

**LISTING OF CORAL CORES
AND SLABS AT THE
UNITED STATES
GEOLOGICAL SURVEY
COASTAL CENTER
600 4TH ST. SOUTH
ST. PETERSBURG FL. 33701
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12/1/1990

U.S.G.S. OPEN FILE REPORT 91-45

The 364 cores listed in this catalog were collected by J. Harold Hudson between 1974 and 1990 with the assistance of Dong Ryong Choi, Renato Diaz, Robert Dill, Richard Dodge, Ellen Druffel, Steven Early, Joseph Ghiold, Steven Giddings, Carlos Goenoga, Sheila Griffin, John Halas, Robert Halley, Walter Jaap, Jim Kendall, Jack Kindinger, Lee Kumph, Valerie Paul, Daniel Robbin, Carol Lee Roark, Philip Shea, E. A. Shinn, Pete Spicer, Jack Thompson, Margarite Toscano, and Jenny Wheaton

With few exceptions, cores from the Atlantic are from hemispherical, relatively smooth and non-branching forms of *Montastrea annularis*. Pacific corals are from similar growth forms of *Porites lutea*. Exceptions are noted in the listing. All cores have been slabbed (approx. 5 mm thick) and are accompanied by x-radiograph negatives

Information about the cores is presented as indicated below:

General Location Florida

Place name **-Ajax Reef (25° 22'N; 80° 05'W)** approximate location

Time of collection **-July, 1984**

Coral core number or letter and approximate core length in centimeters **#1(22);**

Second core from same coral; **#1'(24);**

Core from second coral in immediate area **#2(18)**

For information about access to these cores, contact Robert B. Halley at the USGS Coastal Center, 600 4th St. South, St. Petersburg, FL 33701 (813) 893 3684 x3020

Florida Keys

-Shinn Shoal (25° 27.0' N; 80° 07.3' W)

-March, 1975

-Cores

#1(33), #2(33)

-Biscayne National Park

-July, 1986

-Site 1 (25° 28.9' N; 80° 09.1' W)

#1A(114), #1B(99), #1C(96), #1D(91),
#1E(122), #1F(117),

-Site 2 (25° 25.3' N; 80° 09.1' W)

#"Old Yeller" core

-Site 3 (25° 21.7' N; 80° 10.2' W)

#3A(102), #3B(135),

-Site 4 (25° 23.9' N; 80° 10.2' W)

#4A(198), #4B(140), 4C(119), #4D(114),
#4E(216), #4F(185), #4G(112)

-Site 5 (25° 36.8' N; 80° 06.1' W)

#5A(71), #5B(61)

-September, 1986

-Site 5 (cont.)

#5C(76), #5D(48), #5E(23), #5F(51),
#5G(63), #5H(71), #5I(74),

-Site 6 (25° 23.7' N; 80° 08.1' W)

#6A(147), #6A'(185), #6B(117)

-Site 7 (25° 20.6' N; 80° 11.0' W)

#7A(99), #7B(48), #7C(117), #7D(168), #7E(114)

-Site 8 (25° 35.3' N; 80° 09.2' W)

#8B(114), #8C(53), #8E(107), #8F(48), #8G(122)

-Elliott Key (25° 24' N; 80° 13' W)

-September, 1977

-Cores

#MKR(102), #Mid-Elliott(94)

-Florida Bay (24° 53' N; 80° 45' W)

-October, 1986

-Cores

#5(102), #5'(102), #6(84)

-Hen and Chickens Reef (24° 56' N; 80° 33' W)

-August, 1980

-Cores

#1(79), #2(63), #3(119), #4(51), #5(130),
#6(109), #7(46), #8(112), #9(66), #10(56),
#13(165), #14(63)

-Looe Key Reef (24° 33' N; 81° 24' W)

-August, 1980

-Cores

#1(61), #2(56), #3(69), #4(102), #5(119),
#6(107), #7(84), #8(76), #9(76), #10(51),
#11(107), #12(61)

-July, 1983

-Cores

#1(99), #2(102), #3(102), #4(102), #5(61),
#6(84), #7(122), #8(104)

-Short Cores

#2(23), #2'(18), #3(23), #4(23), #5(10),
#6(10), #7(10), #8(15), #9(10), #10(10),
#11(10), #12(25)

-Bleaching Study, 1989

-Cores

#Biggest Head (10 Pieces)(244)

-Random, Mixed Short Cores

#1(25), #2(36), #3(25), #4(36), #5(25),
#A-8(25), #C-4(36), #C-5(25), #C-6(25),
#D-2(28), #E-4(25), #F-6(25), G-7(25),
#H-7(25), #H-11(25), #I-3(28),
#HC-1(25), #HC-2(25), #HC-3(30),
#Big Head(25), #Twin Coral(25)

-Marquesas Keys (24° 35' N; 82° 11' W)

-August, 1980

-Cores

#1(178), #3(71), #4(38), #5(79), #6(66)

-Ragged Keys (25° 28' N; 80° 10' W)

-March, 1975

-Core

#1(25)

-April, 1980

-Core

#1(61)

-New Ground Shoal (24° 41' N; 82° 23' W)

-July, 1983

-Cores

#1(46), #2(25)

-Davis Reef (24° 56' N; 82° 30' W)

-September, 1974

-Core

#1(33)

-Mosquito Bank (25° 4'N; 80° 24'W)

-August, 1980

-Cores

#1(43), #2(61), #3(43), #4(43), #5(43),
#6(43), #7(43), #8(41), #9(43), #10(36),
#11(30), #12(53)

-Key Largo Marine Sanctuary

-August, 1978

-Site A Cores (25° 15.7' N; 80° 15.1' W)

#A1(61), #A2(91), #A3(58), #A4(46),
#A5(58), #A6(58), #A7(58), #A8(48),
#A9(61), #A10(46), #A11(48), #A12(58)

-Site B Cores (25° 16.4' N; 80° 13.9' W)

#B1(56), #B2(114), #B2-A(58), #B3(58),
#B4(56), #B5(58), #B6(58), #B7(53),
#B8(58), #B9(56), #B10(51), #B11(58),
#B12(22)

-Site C Cores (25° 13.0' N; 80° 12.9' W)

#C1(119), #C2(48), #C3(58), #C4(61),
#C5(66), #C6(56), #C7(71), #C8(56),
#C9(56), #C10(61), #C11(53), #C12(56)

-Site D Cores (25° 13.5' N; 80° 16.4' W)

#D1(58), #D2(58), #D3(53), #D4(51),
#D5(130), #D6(58), #D7(58), #D8(56),
#D9(56), #D10(48), #D11(56), #D12(43)

-Site E Cores (25° 13.1' N; 80° 15.7' W)

#E1(43), #E2(58), #E3(53), #E4(51),
#E5(84), #E6(48), #E7(86), #E8(56),
#E9(56), #E10(48), #E11(58), #E12(56)

-Site F Cores (25° 15.7' N; 80° 07.1' W)

#F1(112), #F2(53), #F3(53), #F4(56),
#F5(51), #F6(61), #F7(51), #F8(56),
#F9(61), #F10(117), #F11(53), #F12(58)

-Site G Cores (25° 04.5' N; 80° 23.4' W)

#G1(48), #G2(51), #G3(51), #G4(53),
#G5(56), #G6(58), #G7(43), #G8(53),
#G9(71), #G10(58), #G11(58), #G12(41)

-Site H Cores (25° 01.9' N; 80° 23.5' W)

#H1(43), #H2(58), #H3(58), #H4(58),
#H5(58), #H6(56), #H7(53), #H8(56),
#H9(53), #H10(56), #H11(86), #H12(56)

-Site I Cores (25° 03.0' N; 80° 21.3' W)

#I1(58), #I2(58), #I3(56), #I4(61),
#I5(56), #I6(56), #I7(58), #I8(53),
#I9(53), #I10(58), #I11(53), #I12(46)

-Site J Cores (25° 07.4' N; 80° 21.0' W)

#J1(53), #J2(58), #J3(56), #J4(51),
#J5(94), #J6(53), #J7(51), #J8(58),
#J9(51), #J10(56), #J11(56), #J12(61)

-Site K Cores (25° 05.1' N, 80° 18.4' W)

#K1(53), #K2(56), #K3(23), #K4(53),
#K5(33), #K6(56), #K7(30), #K8(28),
#K9(43), #K10(53), #K11(51), #K12(76)

-Site L Cores (25° 00.9' N; 80° 22.2' W)

#L1(102), #L2(53), #L3(51), #L4(43),
#L5(56), #L6(48), #L7(58), #L8(58),
#L9(58), #L10(71), #L11(64), #L12(48)

Florida Pleistocene (Key Largo Limestone)

-Key Largo Cut (25° 08' N; 80° 24' W)

-1977

-Slabs

#1(66), #2(64), #3(30)

-Elliot Key (25° 24' N; 80° 13' W)

-1977

-Slab

#1(41)

Gulf Of Mexico

-East Flower Gardens (27° 56' N; 93° 36' W)

-August, 1979

-Cores

#1(66), #2(66), #3(66), #4(61), #5(61),
#6(53), #7(61), #8(53), #9(66), #10(61),
#11(66), #12(63), #D. strigosa(36)

-West Flower Gardens (27° 53' N; 93° 49' W)

-October, 1982

-Cores

#1(35), #2(35), #3(33), #4(35), #5(35),
#6(15), #7(20), #8(35), #9(34), #10(33),
#11(35), #2-1(34), #2-1A(35), #2A(35),
#3A(36), #4A(20), #5A(35)

Bahamas

-Hogsty Reef (21° 42' N; 73° 47' W)

-December, 1978

-Cores

#1(66), #2(64), #3(127), #4(114), #5(112),
#6(69)

Belize

-Carrie Bow Key (16° 48' N; 88° 05' W)

-July and August, 1977

-Cores

#1(102), #2(28), #3(28), #4(48)

-Glover's Reef (16° 45' N; 87° 45' W)

-July, 1977

-Cores

#A(31), #A'(31), #B(30), #C(33), #D(64)

Puerto Rico

-Turrumate I Cay (17° 56' N; 66° 58' W)

-July, 1982

-Core

#2(119), #10(66)

-Cayo Enrique (17° 57' N; 67° 03' W)

-July, 1982

-Core

#1(102)

-Rodriguez Reef (18° 10' N; 67° 11' W)

-July, 1982

-Core

#1(61), #2(94)

Virgin Islands

-St. Croix (17° 45' N; 64° 35" W)

-December, 1976

-Cores

#1 (*Dendrogyra cylindrus*)(20), #2(31), #3(27),
#4(29), #5(25), #6(30), #7(31), #8(28),
#9(20), #10(30), #11(28), #12(28),
#13(30), #14(27), #15(31), #16(31),
#17(22), #18(30), #19(33)

Marshall Islands

-Enewetak Atoll (*Porites lutea*) (11° 40' N; 162° 15' E)

-July, 1984

-Cores

#1(69), #2(36), #3(28), #4(25), #5(28),
#6(36), #7(30), #8(74), #9(244), #10(150),
#11(173), #13(180), #14(135), #15(262)

Philippine Islands

-Nido Field (off Palawan Island) (11° 29' N; 119° 01" E)

-May, 1981

-Core

#1(117)(*Porites lobata*)