

FIELD GUIDEBOOK
to
ENVIRONMENTS OF COAL FORMATION
IN
SOUTHERN FLORIDA

Trip Leaders
William Spackman
David W. Scholl and William H. Taft

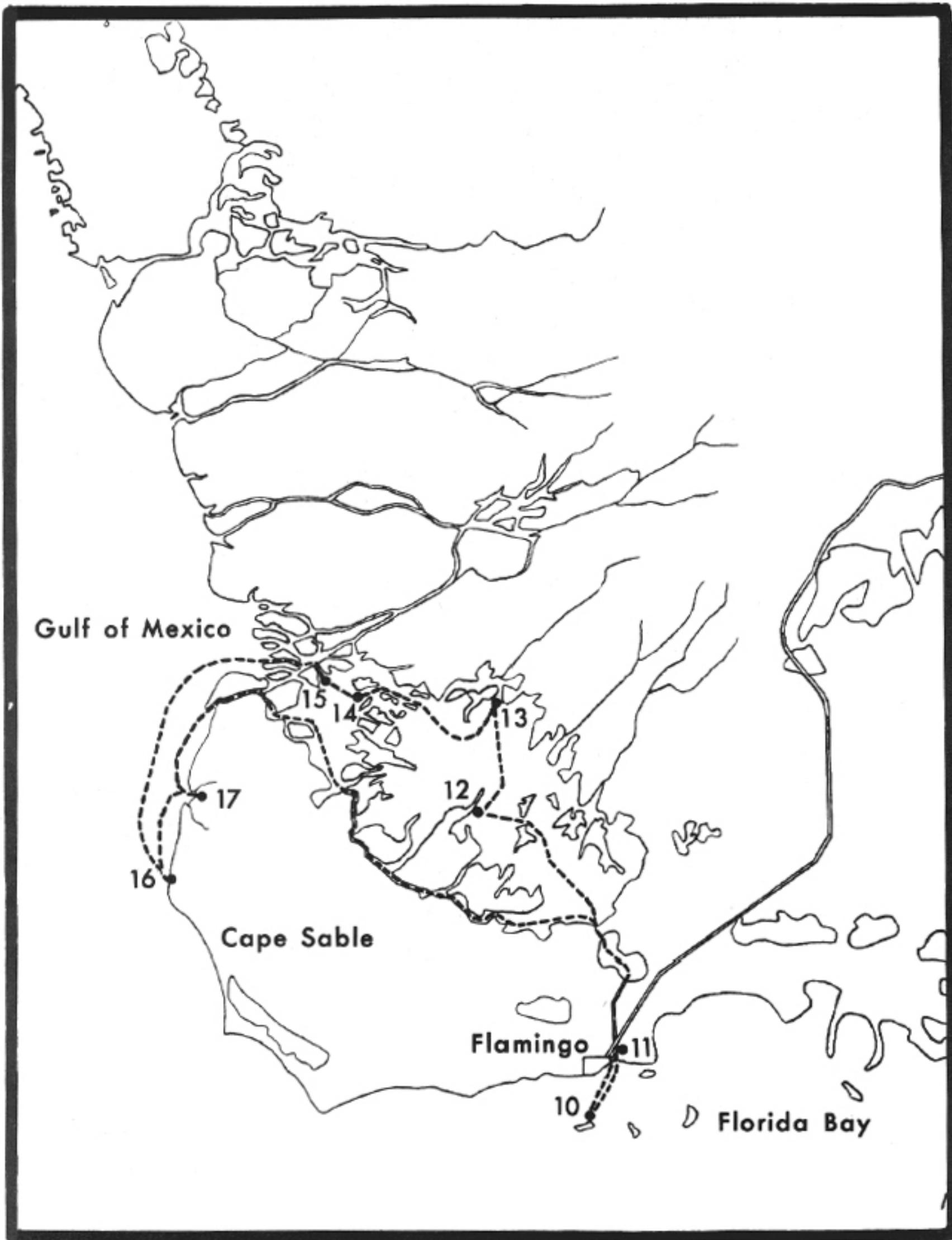
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PRE-CONVENTION FIELDTRIP
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ROUTE FOR THE SECOND DAY

(Trip Map No. 2)

Starting Point: Flamingo Marina. Board large tour boats from piers at south end of Marina.

<u>Nautical Miles</u>	<u>Description</u>
0.0 - 1.7	Enter Florida Bay via Buttonwood Canal. Proceed south following channel to Channel Marker No. 9.
1.7	Alter course and proceed on 227° heading.
1.7 - 2.1	Proceed for 0.4 miles on 227° heading.
2.1	<u>STOP 10:</u> FLORIDA BAY SITE. Drop anchor 0.5 mile off eastern end of Murray Key. See pages 36 to 38 for a discussion of this site.
2.1 - 2.5	Assume heading of 43° and return to Channel Marker No. 9.
2.5 - 4.2	Proceed into channel and return to mouth of Buttonwood Canal.
4.2	Alter course as necessary to enter Buttonwood Canal.
4.2 - 4.7	Proceed north in Buttonwood Canal.
4.7	<u>STOP 11:</u> BUTTONWOOD CANAL SITE. The boats may not actually stop here but your attention will be called to the sediments exposed in the canal's walls.
4.7 - 6.7	Continue north in Buttonwood Canal to Channel Marker No. 2 in Coot Bay.
6.7 - 14.8	Alter course as necessary to follow channel through Coot Bay, Tarpon Creek and Whitewater Bay to Channel Marker No. 28, just west of Midway Pass.
14.8	At Channel Marker No. 28 alter course and assume a heading of 246°.



TRIP MAP NO. 2

- 14.8 - 16.0 Proceed on 246° heading for 1.2 miles then drop anchor.
- 16.0 STOP 12: WHITEWATER BAY - HIGH SALINITY SITE. A discussion of this site is presented on pages 38 to 41.
- 16.0 - 17.0 Set course at 47° and proceed 1.0 miles to Channel Marker No. 30.
- 17.0 - 20.2 Change course to due North at Channel Marker No. 30 and proceed 3.2 miles. Drop anchor.
- 20.2 STOP 13: WHITEWATER BAY - LOW SALINITY SITE. See discussion on pages 38 to 41.
- 20.2 - 22.3 Proceed due south 2.1 miles.
- 22.3 - 23.2 Change course to due West and proceed 0.9 miles to Channel Marker No. 34.
- 23.2 - 28.1 Follow channel proceeding in a northwesterly direction. After passing between the first two island masses, note clarity of water and nature of bottom. The eastern margin of Whitewater Bay is formed by a large number of irregularly shaped islands. The channel moves through an area known as Cormorant Pass. The small elongate island to the right of the channel between Marker No. 42 and Marker No. 44 is shown in the sectional profile presented as Figure 21. Drop anchor midway between Channel Markers 50 and 51.
- 28.1 STOP 14: OYSTER BAY SITE. See comments on page 41.
- 28.1 - 32.3 Proceed to Marker 53 and anchor at south end of adjacent island.
- 32.3 STOP 15: LUNCH. Note remnant island to the southeast.
- 32.3 - 38.0 Return to channel and follow it to the mouth of the Little Shark River.

- 38.0 - 41.2 At 4 second beacon at the mouth of the Little Shark River, alter course to 202° and proceed 3.2 miles to a point off Big Sable Creek.
- 41.2 - 44.0 Alter course to 180° and proceed 2.8 miles to a point south of Little Sable Creek.
- 44.0 - 44.3 Alter course and proceed toward land to the shallowest depth permitted by the boat's draft. Anchor. Leave tour boat and enter ferry skiffs and proceed to shore.
- 44.3 STOP 16: CAPE SABLE BURIED FOREST. A discussion of the objectives of this stop together with pertinent factual information is presented on pages 41 to 44.
- 44.3 - 44.6 Board ferry skiffs and return to tour boats.
- 44.6 - 47.4 Proceed due North 2.8 miles to point off mouth of Big Sable Creek.
- 47.4 - 48.1 Alter course to 74° and proceed .7 miles, anchoring in Big Sable Creek Bay near main stream mouth.
- 48.1 - 48.5 Leave tour boats and board ferry skiffs. Proceed .4 miles into Big Sable Creek.
- 48.5 STOP 17: BIG SABLE CREEK SITE. See pages 44 to 46 for discussion.
- 48.5 - 48.9 Return to tour boat by means of ferry skiffs.
- 48.9 - 49.7 Set course to 320° and proceed 0.8 miles.
- 49.7 - 51.9 Alter course to 23° and proceed 2.2 miles to 4 second beacon at the mouth of the Little Shark River.
- 51.9 - 76.7 Follow Channel Markers to Flamingo Marina (24.8 miles) or use alternate route involving navigation from Big Sable Creek around Cape Sable and to Flamingo via Florida Bay (36.0 miles).
- 76.7 FLAMINGO MARINA - TERMINATION OF SECOND DAY'S FIELD ACTIVITIES. Time of dinner to be announced.