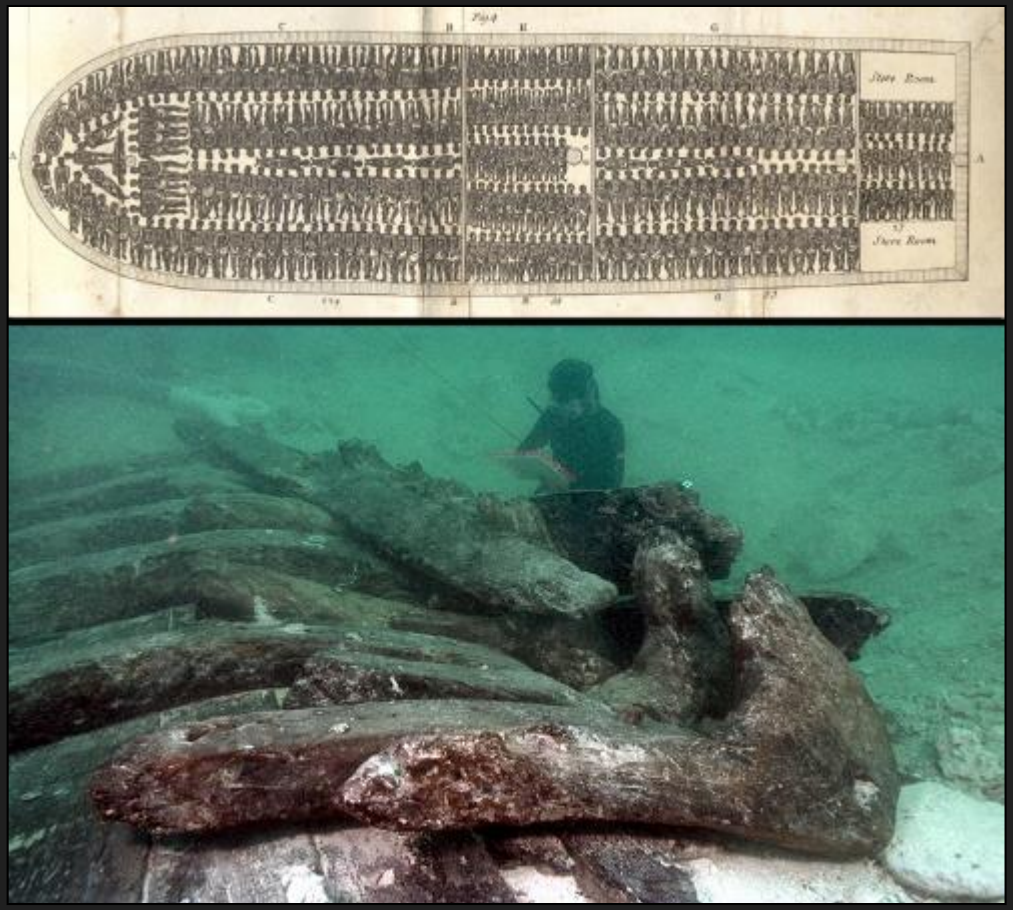
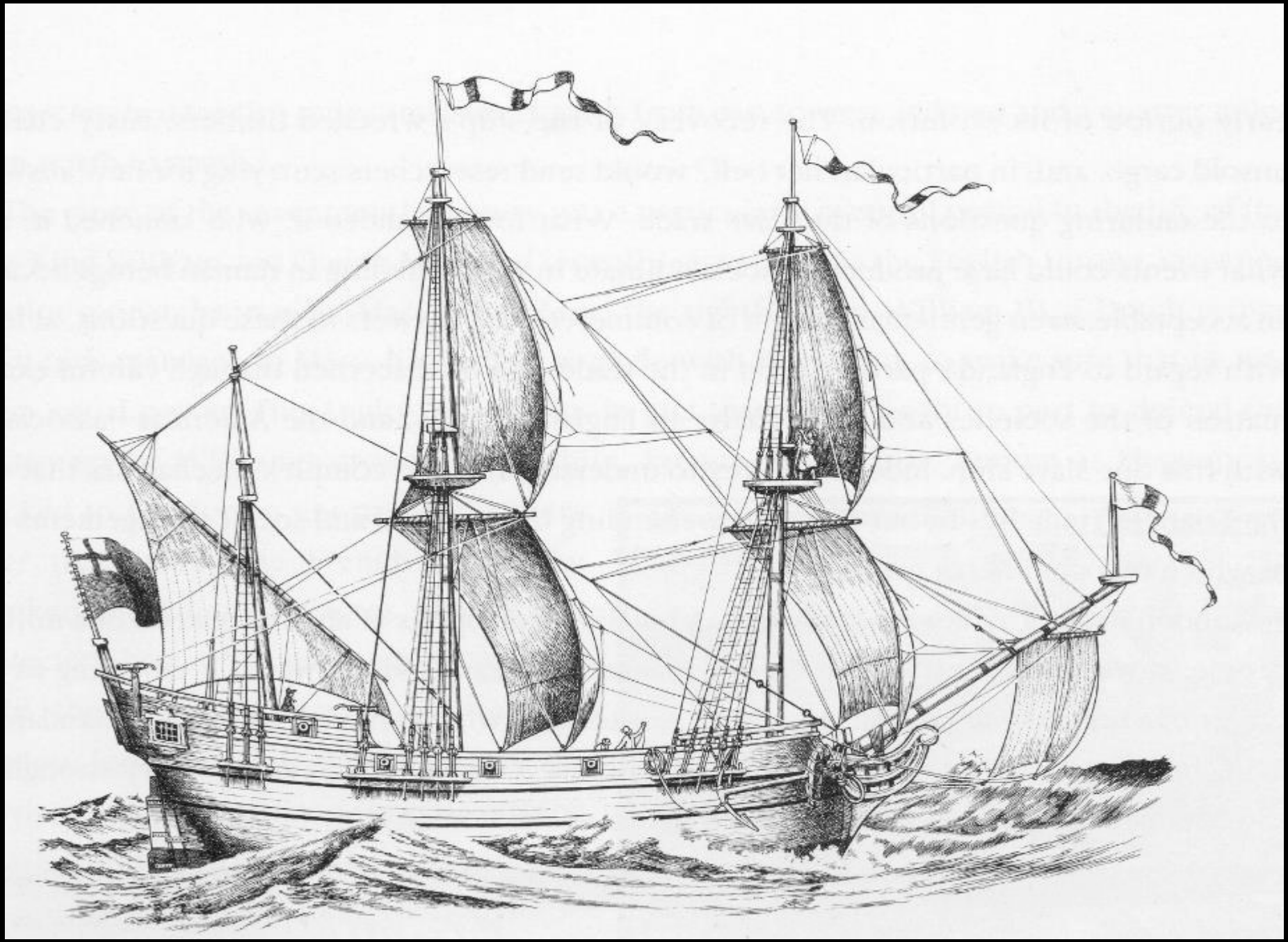
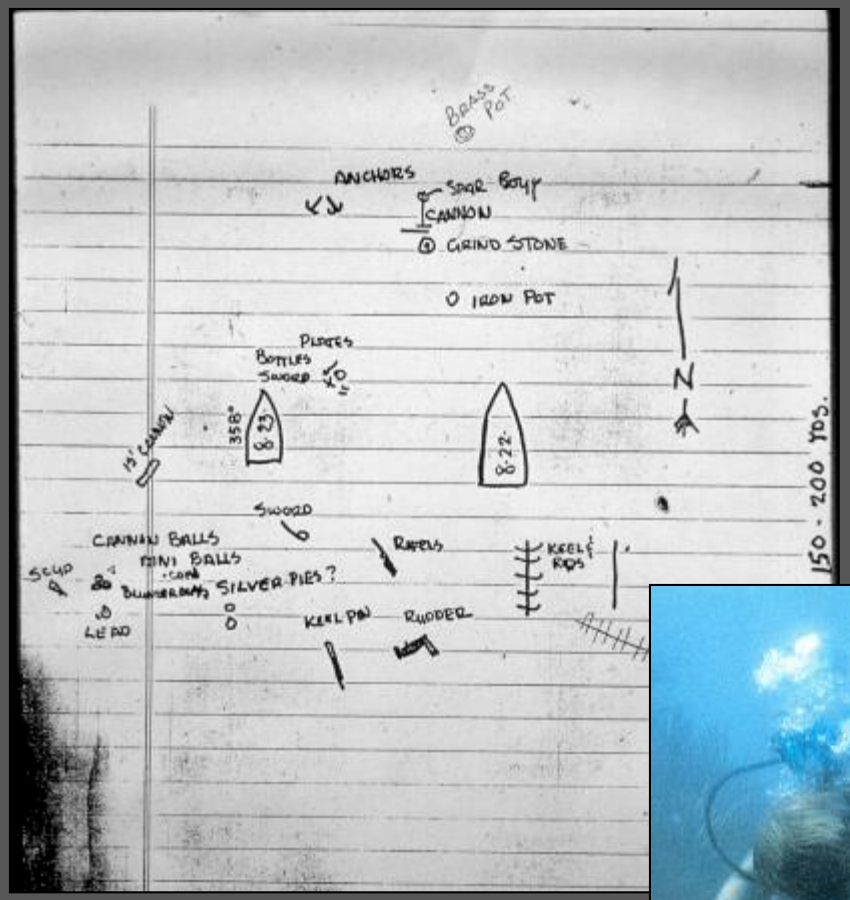
Slavery Submerged: Archaeology of the Transatlantic Slave Trade in the Florida Keys

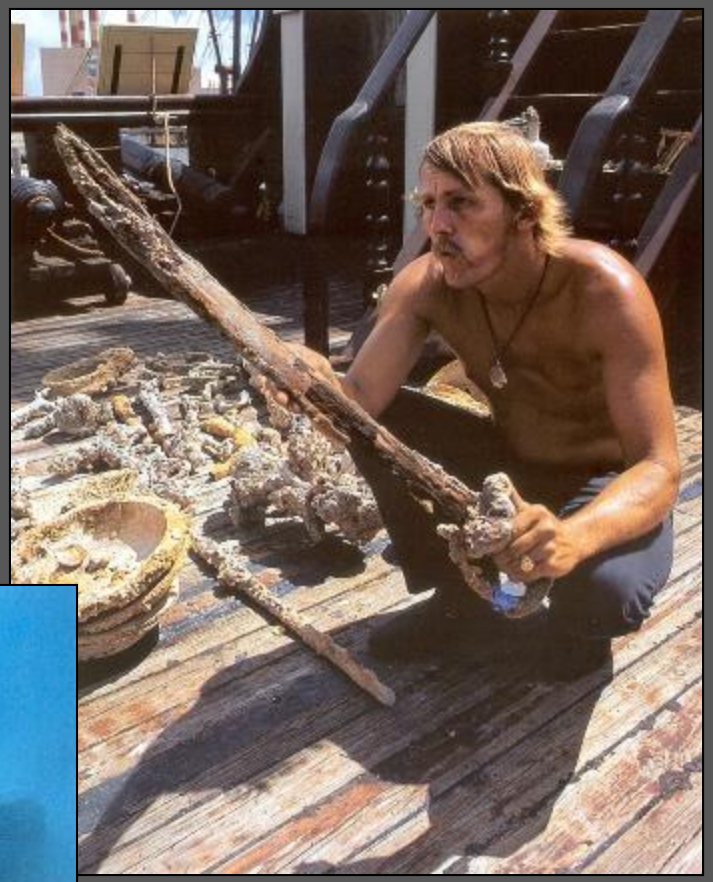


Corey Malcom, Ph.D.
Mel Fisher Maritime Museum, Key West, Florida


Henrietta Marie
X




BRASS POT
ANCHORS
SPAR BOY
CANNON
GRIND STONE
IRON POT
PLATES
BOTTLES
SWORD
358°
8.23
8.22
N
15' CANNON
SWORD
CANNON BALLS
MINI BALLS
SILVER PIES?
LEAD
KEEL PIN
RUDDER
KEEL RODS
150 - 200 YDS.

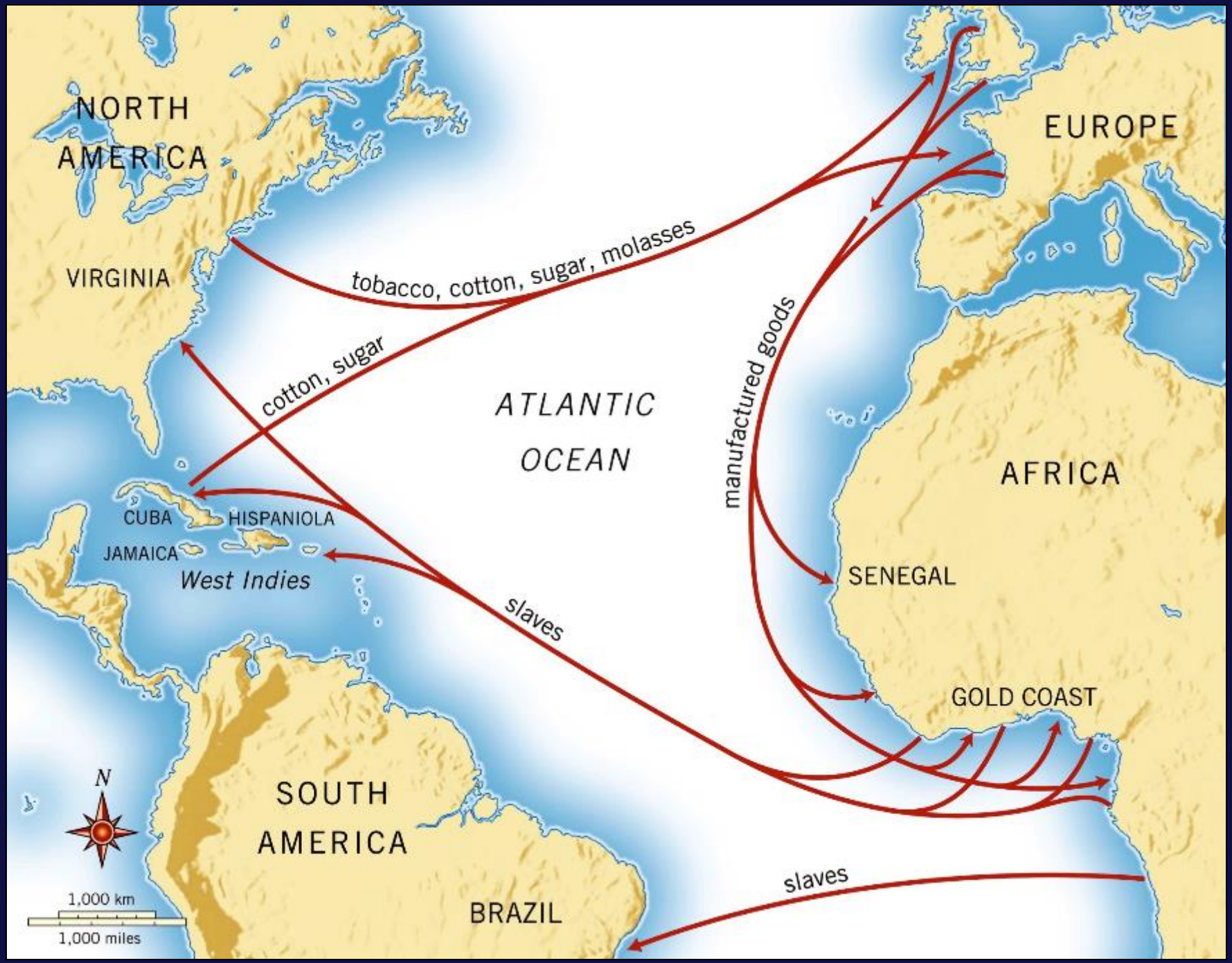




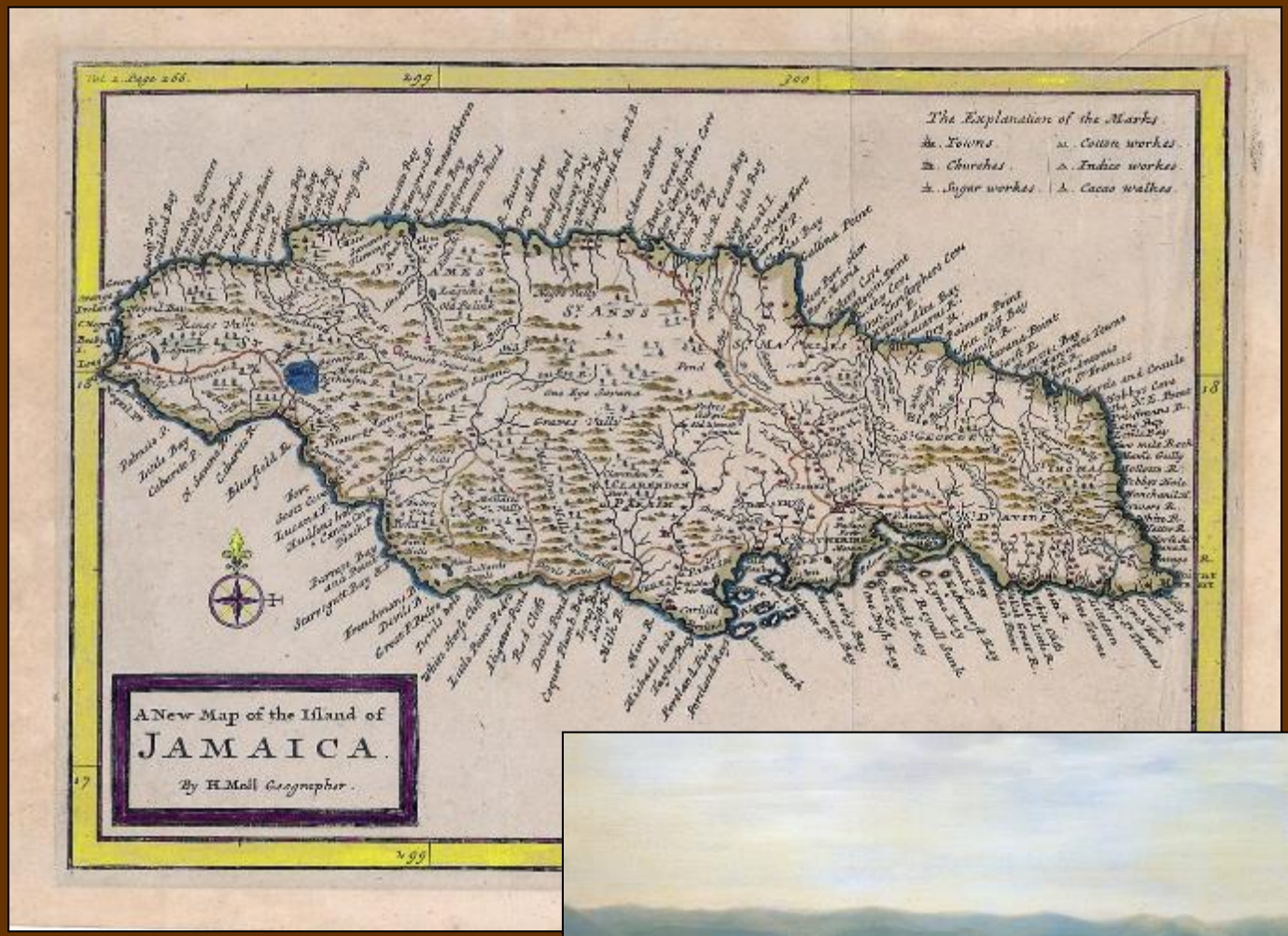

PLAN

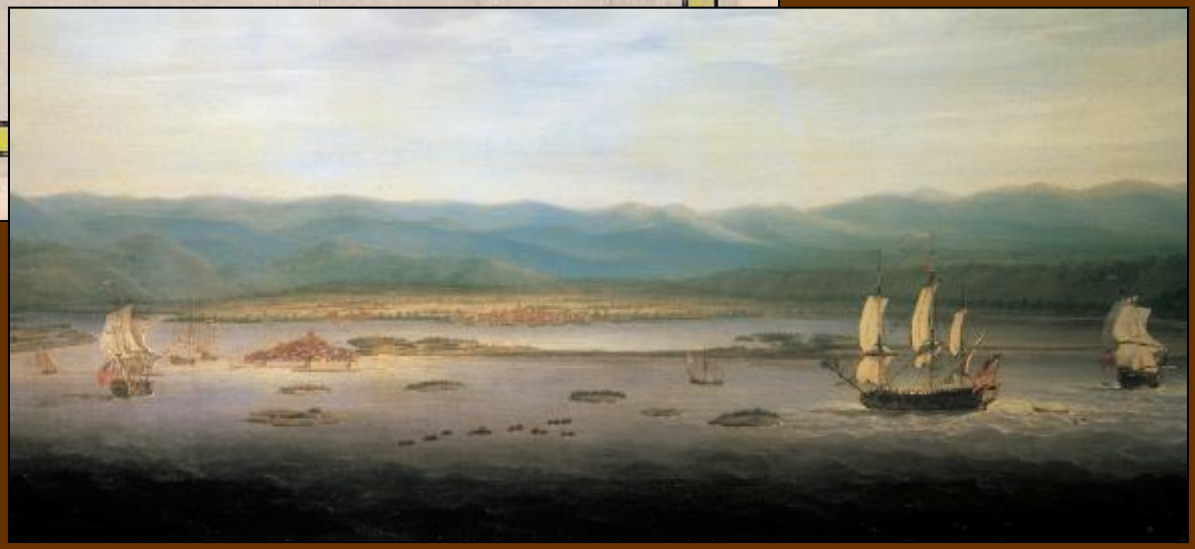

THE HENRIETTA

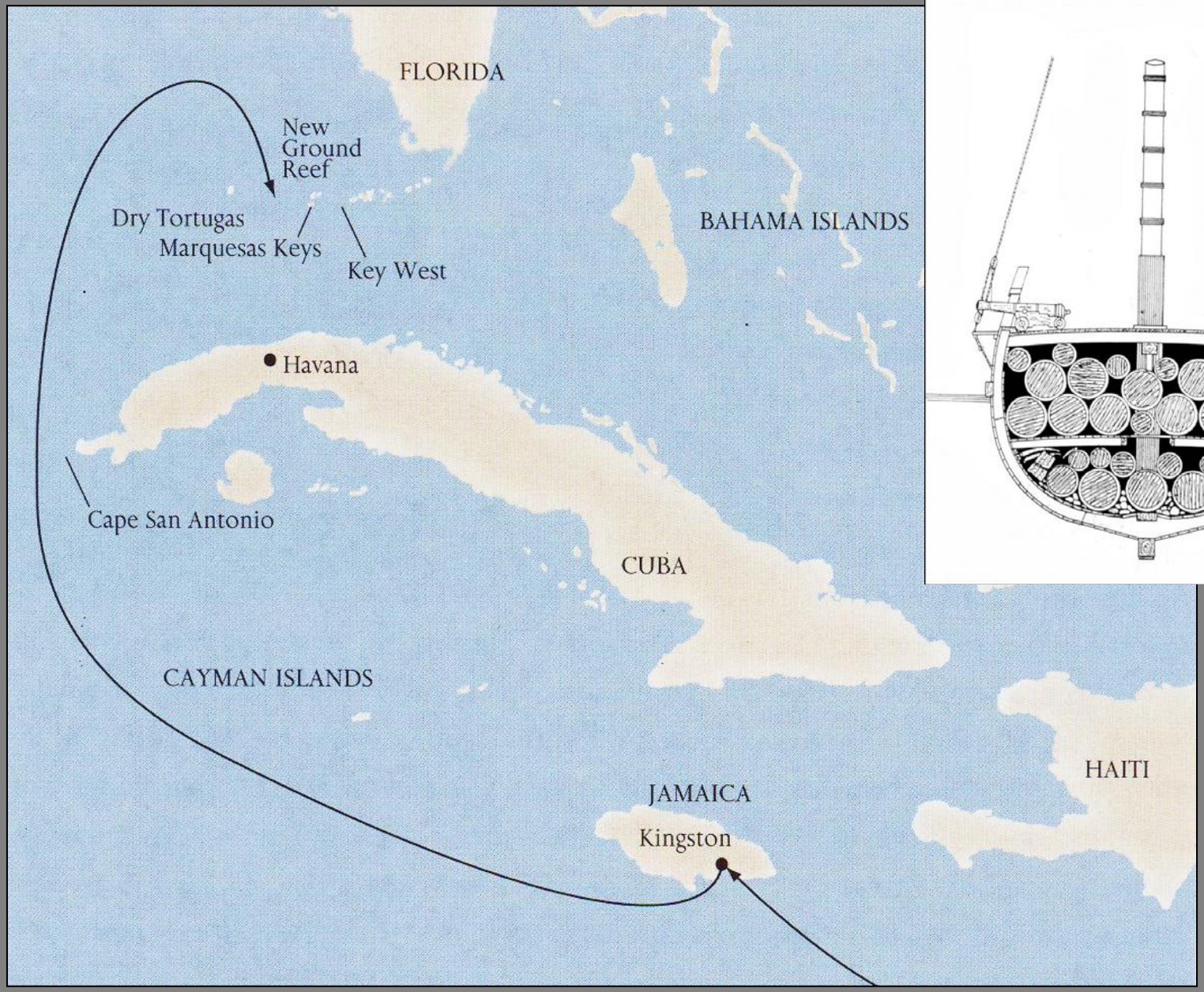

39
A General View of the CITY of LONDON, next
the River Thames.
Printed for BOWLES & CARVER, Map & Printsellers, No 69 in St Paul's Church Yard

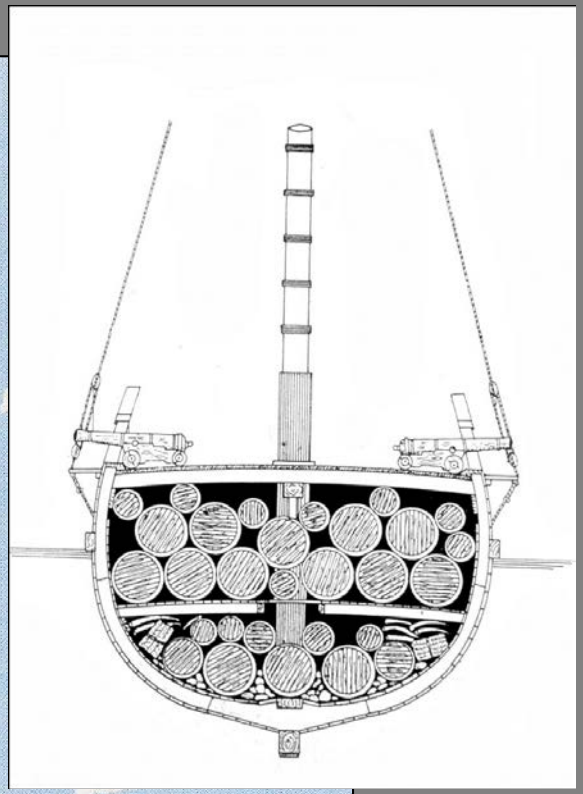

NORTH AMERICA
EUROPE
VIRGINIA
tobacco, cotton, sugar, molasses
cotton, sugar
ATLANTIC OCEAN
manufactured goods
AFRICA
CUBA
HISPANIOLA
JAMAICA
West Indies
SENEGAL
slaves
GOLD COAST
N
SOUTH AMERICA
slaves
1,000 km
1,000 miles
BRAZIL


NEGROLAND and GUINEA. with the European Settlements. Explaining what belongs to England, Holland, Denmark &c.
By H. Moll Geographer
Note. E. Stands for English D. for Dutch
15 D. west from London 5 0 5 10 Deg. E. from London
100 200 300 400 500 English Miles
Tropick of Cancer
Alhamara
Santhaga
P. of ZAARA or the DESART
Laval R.
Tegazza
Salines
Ghir R.
Ghir
Gulf Sintra
Cyprian B.
C. Blanco
Galata
Arguin I.
Guaden
Caravelli
Cassali Salt Mines
Tombut
Meczara well
Deghir
Agadez
Fassana
Nubia R.
Amazen
Senega
Caracoli
Tocror
Godia
Agadez
Mayma
Somara
Cano
Cerma
Nubrina
Cassana
Tirca
Guangara
Senega
Borno Lake
Bogs of Nub
Regebil
Zanfara
Ialoffi
Gambia
Tombut
NEGROLAND
Meczara
Mura
well
Niger R.
Tuspa
Ghanara
Zegzeg
Bito
Salla
Berissa
Cuturnba
Dau
Bunci
Tamby
Gago
Mandinga or Songo
Here are Gold mines
Melli
Bagus
Renunas R.
Beria
Rio Grande
Rio Grande
Sierra de Lionina
C. Virgins
B. Gazalos
Idolos R.
I. Dalas
Hard Sand
Dry
GUINEA
Gold Coast
Slave Coast
Grain Coast
Fomba
Sierra de Leon
C. Si. de Leon
Bonas I.
Shoals of Bonas
C. St. Ann
Sharbro East. P.
C. Mesurado
I. Palma
Botteura
Cape Palmas
Great Benin
Caran
Aggotan
Bodede
Dalmas
C. Formosa
Kings City Callabar
Old Callabar
Many villages old Camarones
R. Camarones
Biafar
Monabas vil. Fishing Town
I. Anbozes
I. Fernando Po to a Savage Prop.
Princes I. to Portugal
I. St. Thomas to Portu.
GULF OF GUINEA.
Borca
I. Branco
R. Borca
R. Campo
St. Benibo R.
Corisco
C. St. John
P. of ETHIOPIA
ATLANTICK OCEAN
Equinoctial Line


The Explanation of the Marks
Towns
Churches
Sugar workes
Cotton workes
Indico workes
Cacao walkes
A New Map of the Island of
JAMAICA.
By H. Moll Geographer.




FLORIDA
New
Ground
Reef
Dry Tortugas
Marquesas Keys
Key West
BAHAMA ISLANDS
Havana
Cape San Antonio
CUBA
CAYMAN ISLANDS
HAITI
JAMAICA
Kingston







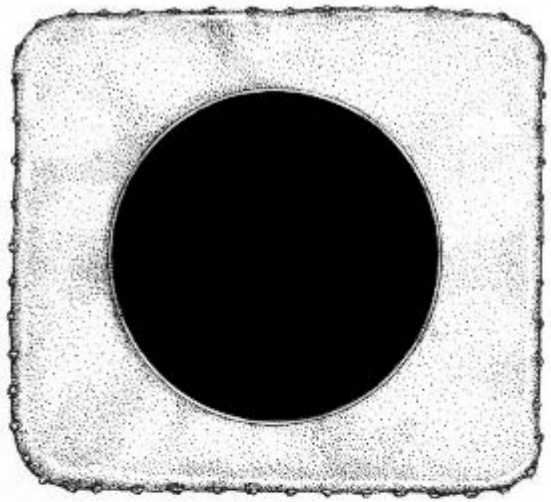




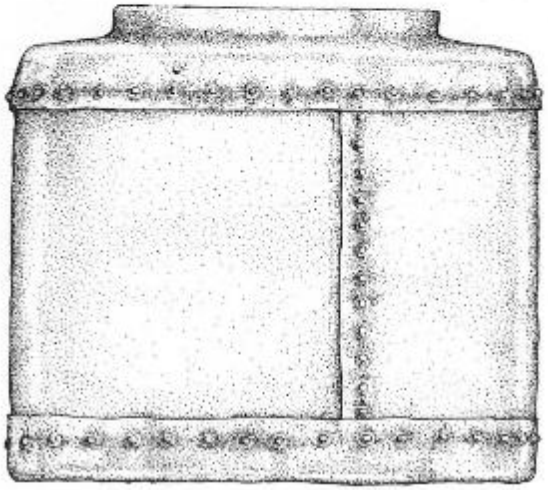


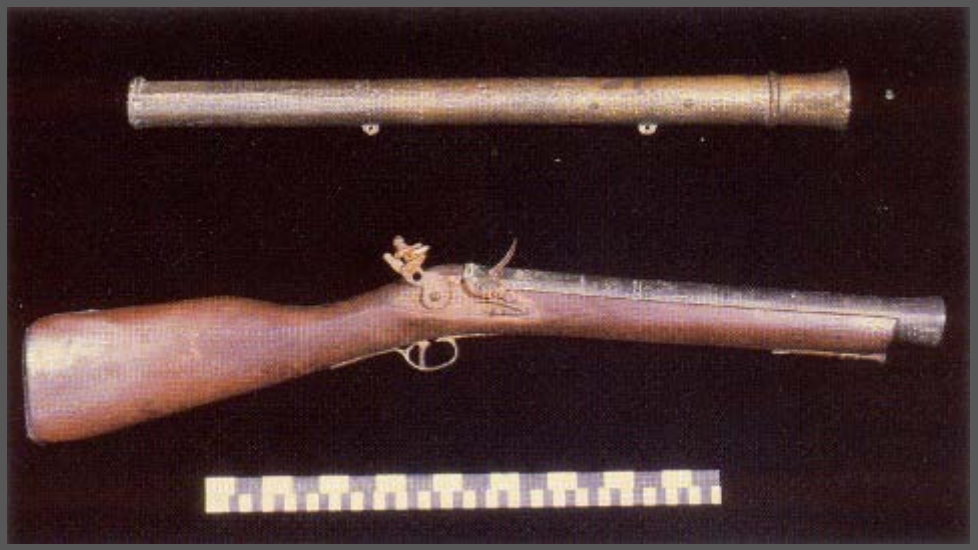

CM
IN









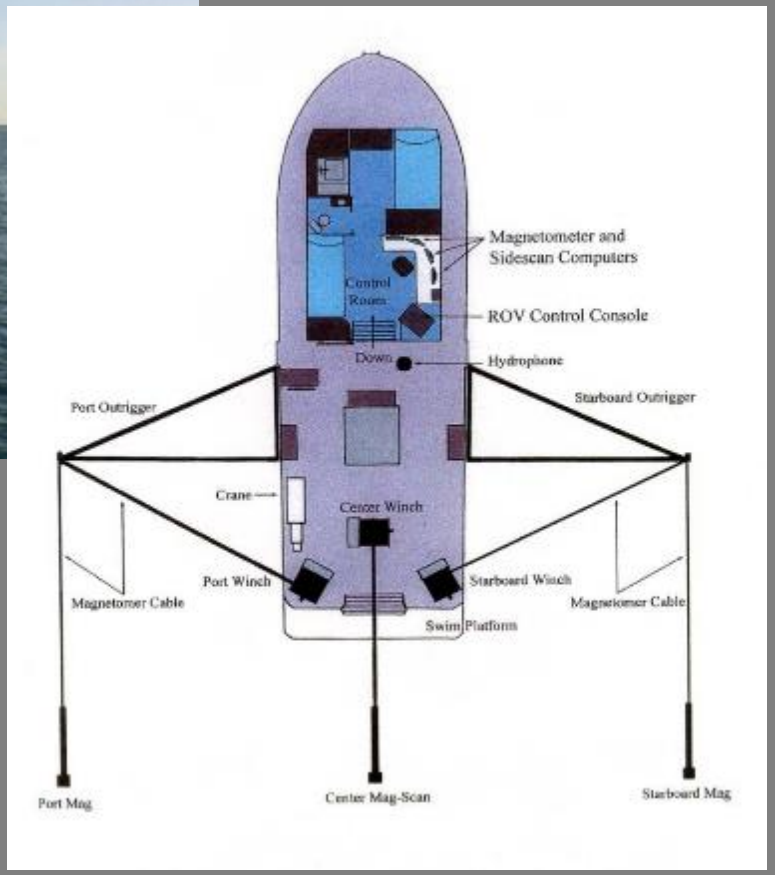




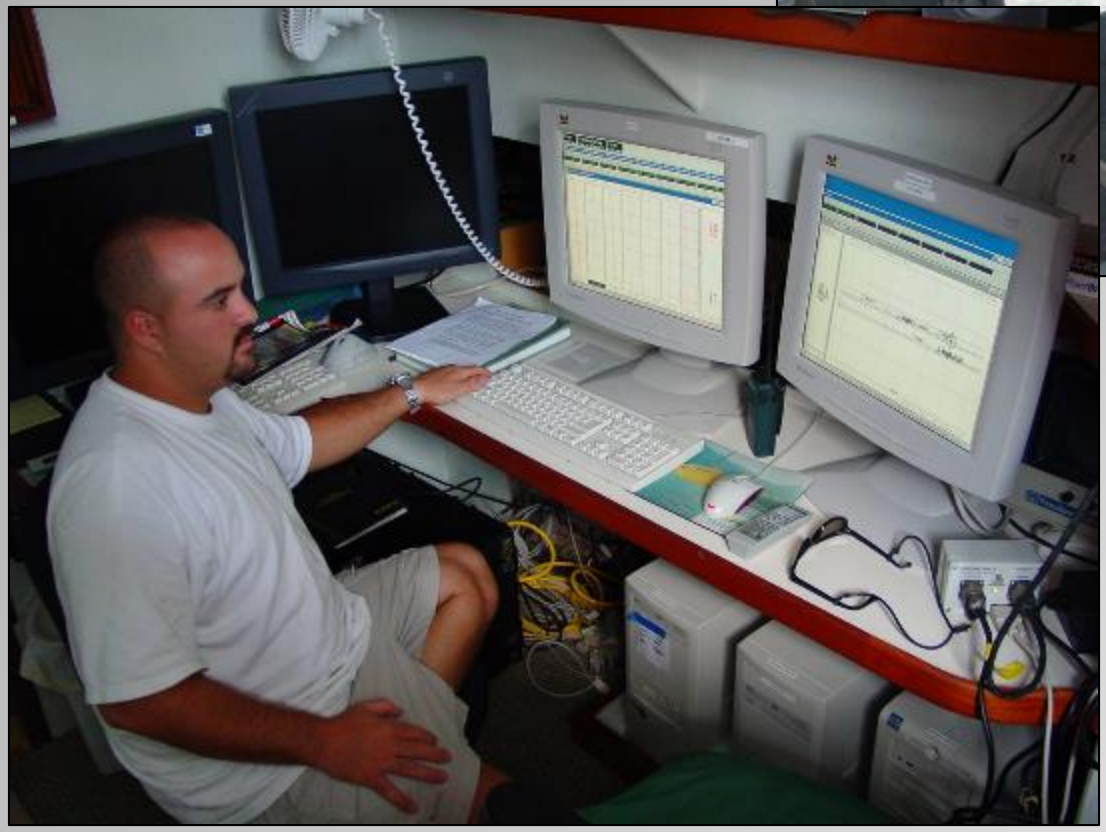


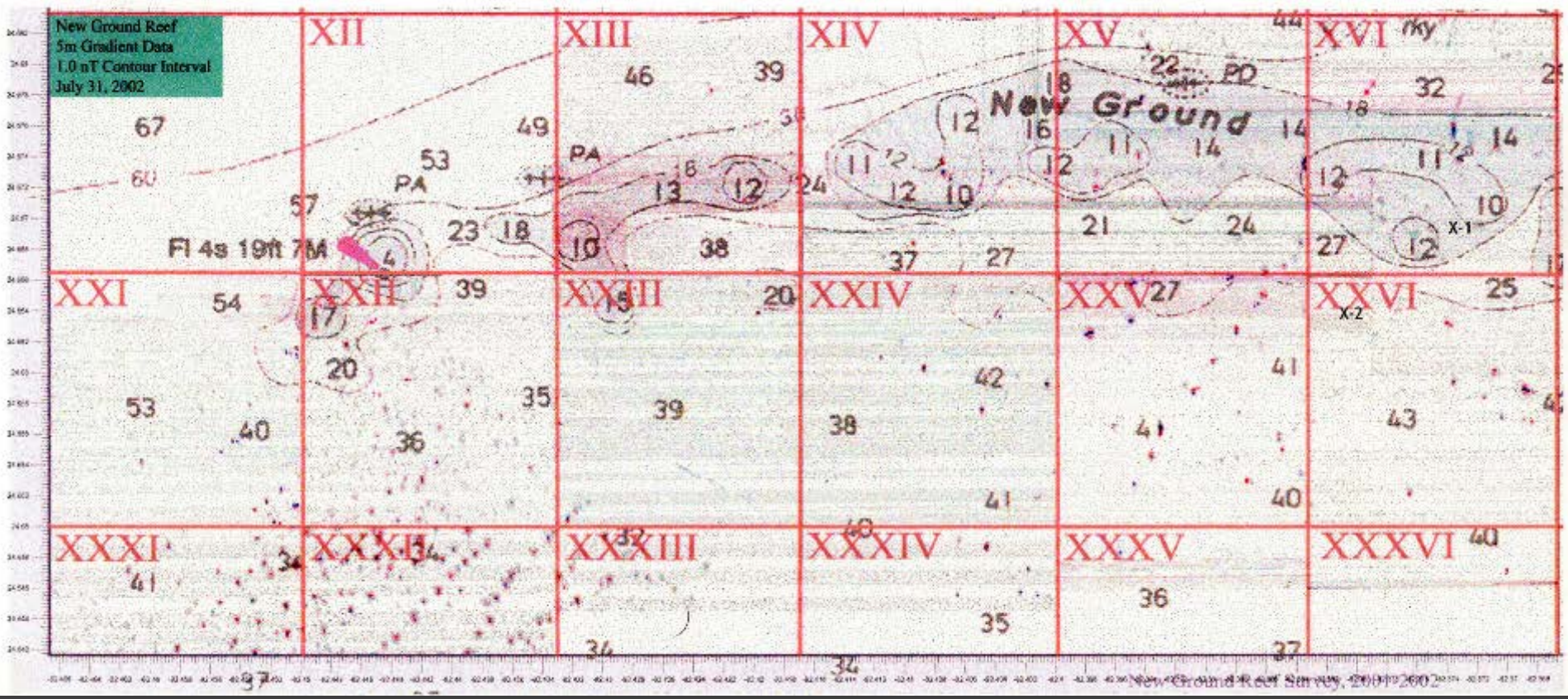


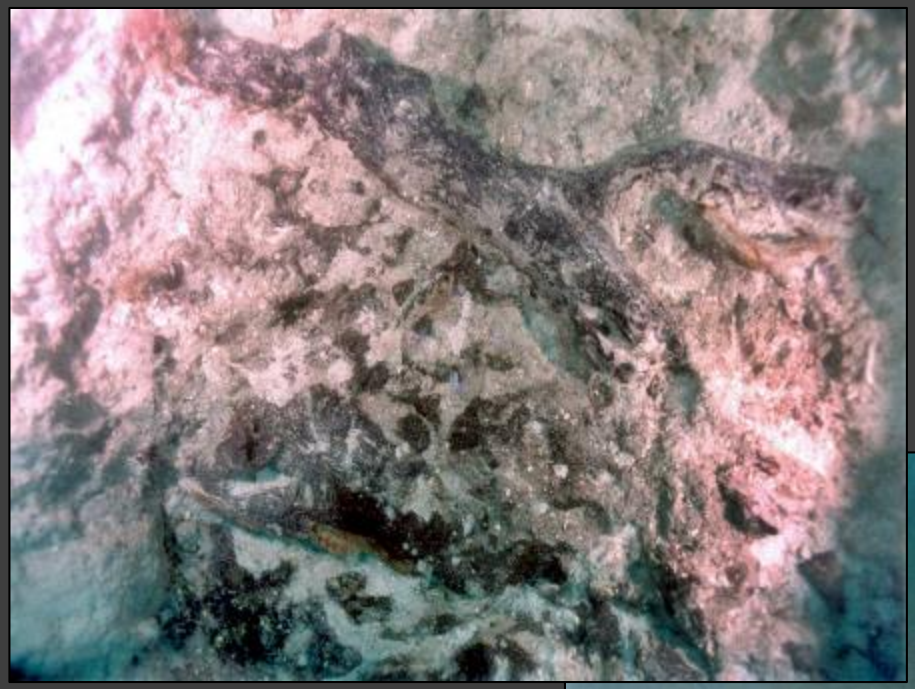

LAKOTA


Magnetometer and
Sidescan Computers
Control
Room
ROV Control Console
Down
Hydrophone
Port Outrigger
Starboard Outrigger
Crane
Center Winch
Port Winch
Starboard Winch
Magnetometer Cable
Magnetometer Cable
Swim Platform
Port Mag
Center Mag-Scan
Starboard Mag






New Ground Reef
5m Gradient Data
1.0 nT Contour Interval
July 31, 2002
XII
XIII
XIV
XV
XVI
XXI
XXII
XXIII
XXIV
XXV
XXVI
XXXI
XXXII
XXXIII
XXXIV
XXXV
XXXVI
New Ground
PA
PD
Fl 4s 19ft 7M
X-1
X-2
New Ground Reef Survey, 2001-2002



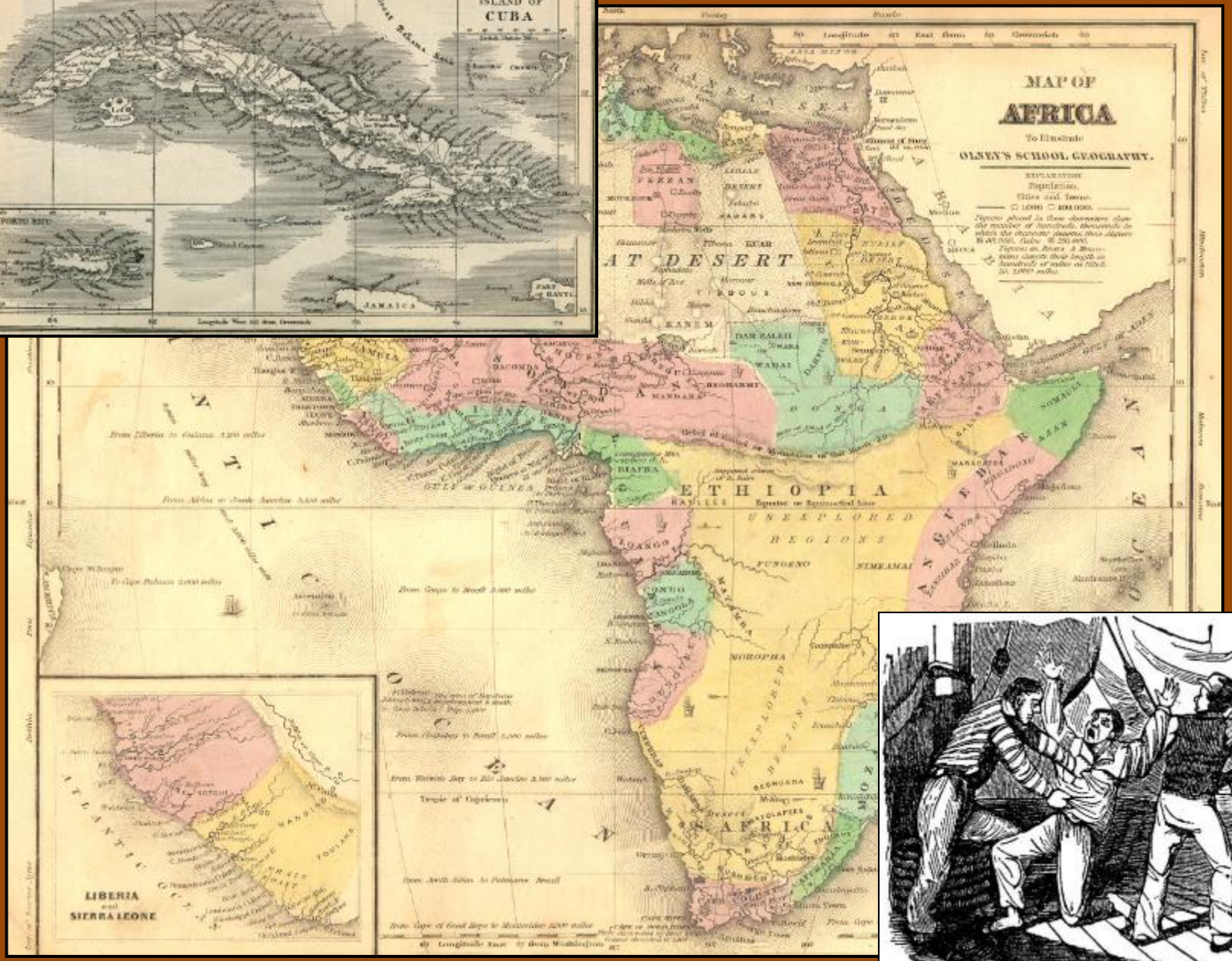



HENRIETTA MARIE
IN MEMORY AND
RECOGNITION OF THE COURAGE,
PAIN AND SUFFERING OF
ENSLAVED AFRICAN PEOPLE.
"SPEAK HER NAME AND GENTLY TOUCH
THE SOULS OF OUR ANCESTORS."
Dedicated November 15, 1992

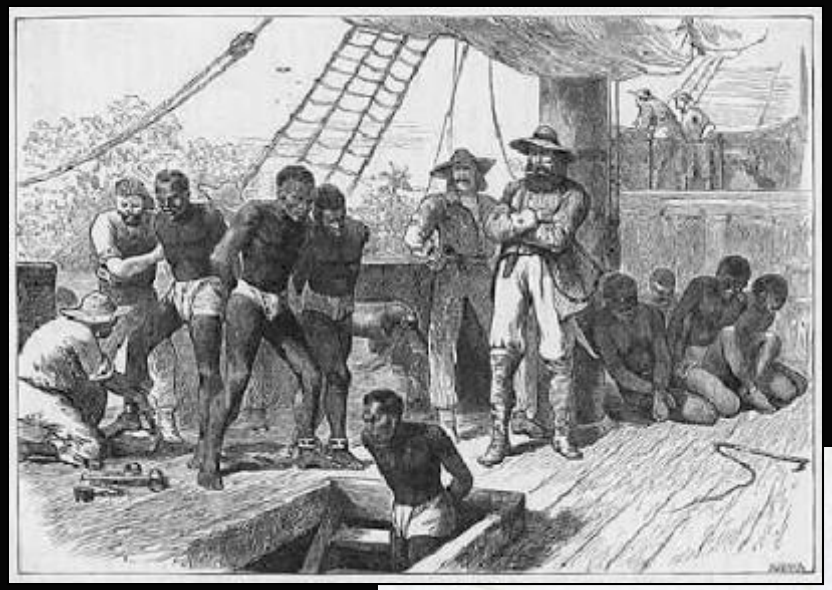

Guerrero
X

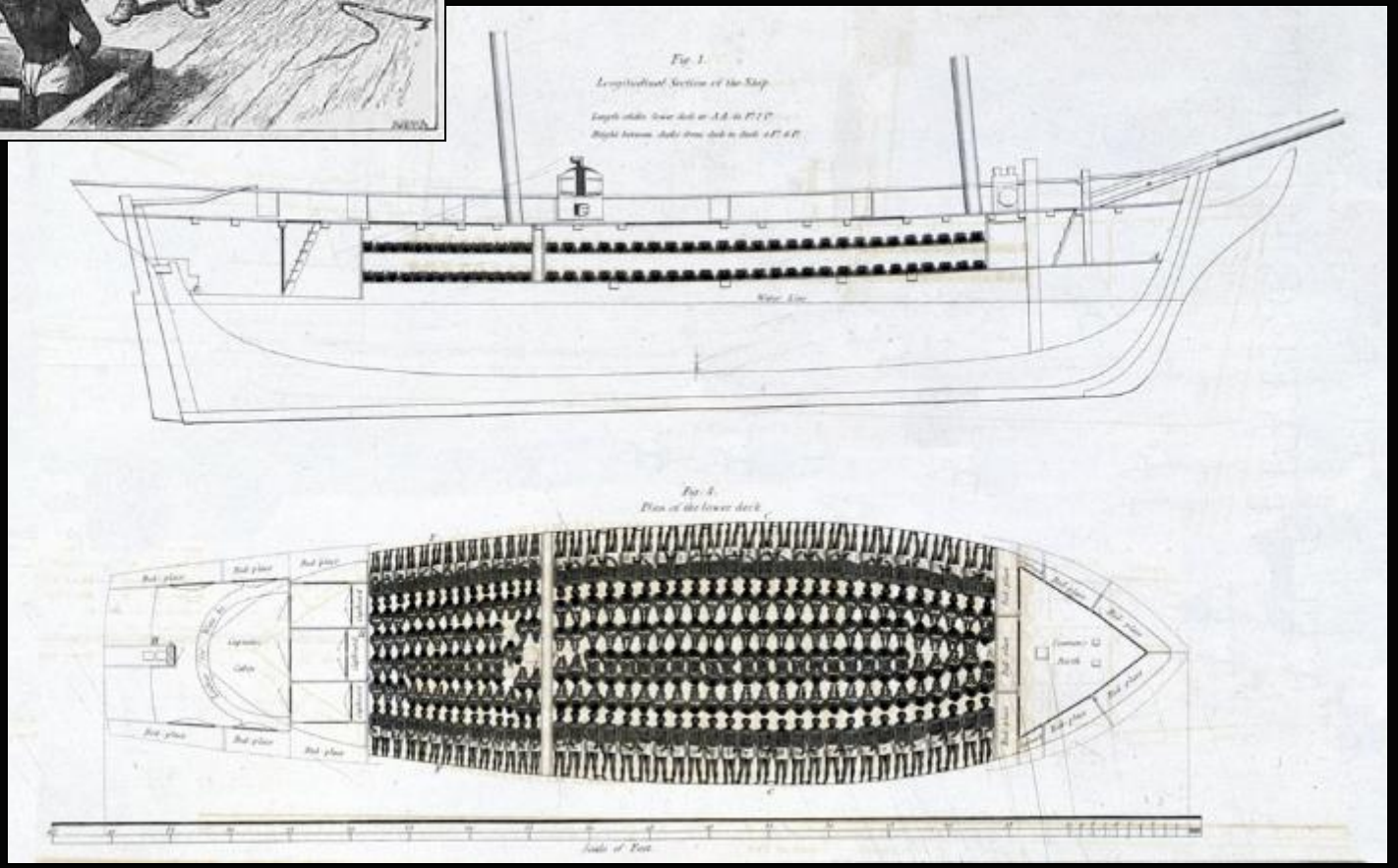



ISLAND OF
CUBA
PORTO RICO
JAMAICA


MAP OF
AFRICA
To Illustrate
OLNEY'S SCHOOL GEOGRAPHY.
EXPLANATION
Populations,
Cities and Towns.
AT DESERT
ETHIOPIA
UNEXPLORED
REGIONS
LIBERIA
and
SIERRA LEONE






Fig. 1.
Longitudinal Section of the Ship
Fig. 2.
Plan of the lower deck
Scale of Feet



NILES' REGISTER—FEBR

FROM KEY WEST. *Dec.* 26, 1827—
editors of the Baltimore American:

Captain Hopner of the Mexican schr
lestador, from a cruize on the coast of
here on the 24th for Vera Cruz, with h
filled with Spanish oil and olives.
daily expected for orders, will touch
for Vera Cruz.

His B. majesty's schooner Nimble,
boarded the schooner Lapwing, Kenne
from Norfolk for New Orleans, off t
Shot Keys, on the 19th instant, all well.
time fired two shots at the Reuben R
overtake her. Next day she fell in
guineaman, the brig Guerrero, of 18
men, and chased her on shore on Cary
both vessels struck at 8 o'clock in th
Guerrero bilged in a moment, and lost a
cries of *five hundred and sixty-one sla*
crew, were appalling beyond descripti
schooner being on shore, and unable t
soners, was obliged to witness the escap
of them. The female slaves were firs
the wrecking schooner Thorn, belong
Dimry of this place, in number 252, ag

Spanish crew having taken forcible possession, carried her to Santa Cruiz, in the island of Cuba, where they were landed, and the Thorn *permitted to depart*. She arrived here on the 24th inst. They placed also 146 slaves on board the American smack Florida, and carried her also by force to Santa Cruiz, and the smack also returned here on the 24th instant. The British schooner succeeded in securing *122 slaves,—(1 since dead), and brought them here in the sloop Surpize where they are *seized by the collector*. The armament and sails, and a few packages of dry goods from the Guerrero, will be sold here in a few days. The Nimble lost her false keel and rudder, but is perfectly tight. She threw over her guns and shot, then floated off, and substituting the Guerrero's rudder for her own, came in here on the 24th where she still is, settling the claims for salvage, about which there seems some difficulty.

We have no American, nor Mexican men of war in port, nor any property from wrecks, which are now quite out of fashion. The English ship James Mitchell, (now the American ship Florida), capt. Chard, is afloat, and cleared for New Orleans, to sail in a few days. She has cost her purchasers, P. C. Greene & Co. about $7,000 and is worth, with all her disadvantages of papers, about $18,000.

Key West continues healthy, but we are dull as idleness can make us.

[Key West, if not placed under better regulations than it has heretofore been, had better be shovelled into the sea. We fear that it will prove an unprofitable and vexatious part of the territory of the United States.]

The British government schr. Nimble, which chased the Spanish slave vessel ashore at Carysfort Reef, on arriving at Key West, demanded the slaves brought there by the wrecking sloop Surprise, but the Collector refused to give them up until he could be instructed on the subject by our government, and the Nimble sailed for Havana without them about the 28th ult. We understand that a good deal of excitement was produced at Key West by the correspondence which took place between the British commander and the Collector. When the Spanish cre
cables of the wre
300 of the slave
fired upon by th
rudder, they w
$10,000 worth
slave brig, was b
possession of by

20th CONGRESS, 1st Session. [Doc. No. 262.] HO. OF REPS. Executive.

AFRICANS AT KEY WEST. 69

MESSAGE

FROM THE

PRESIDENT OF THE UNITED STATES,

RELATIVE TO THE DISPOSITION OF

THE AFRICANS LANDED AT KEY WEST

FROM A

STRANDED SPANISH VESSEL.

APRIL 30, 1828.

Read, and referred to the Committee on the Judiciary

WASHINGTON:

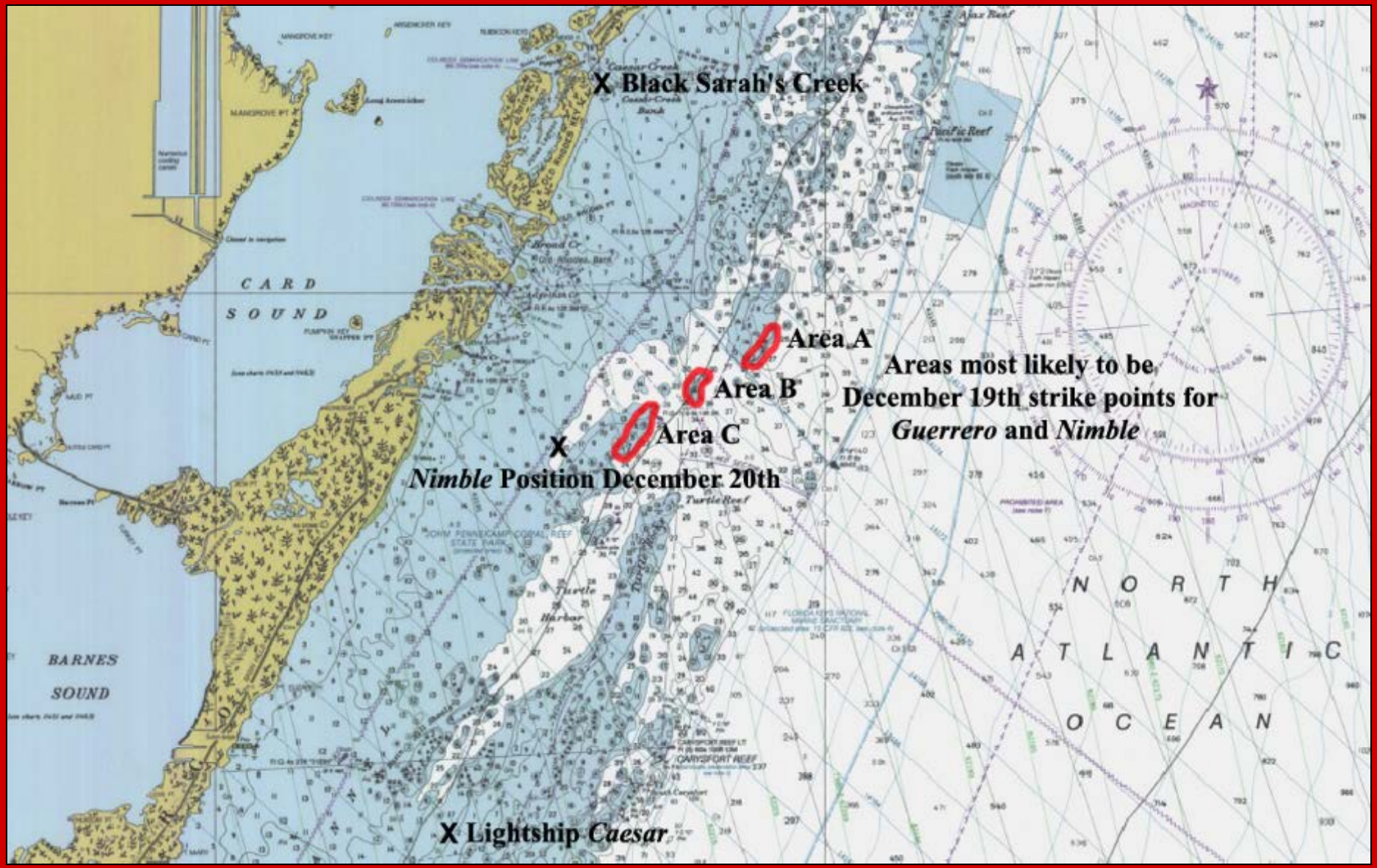
PRINTED BY GALES & SEATON

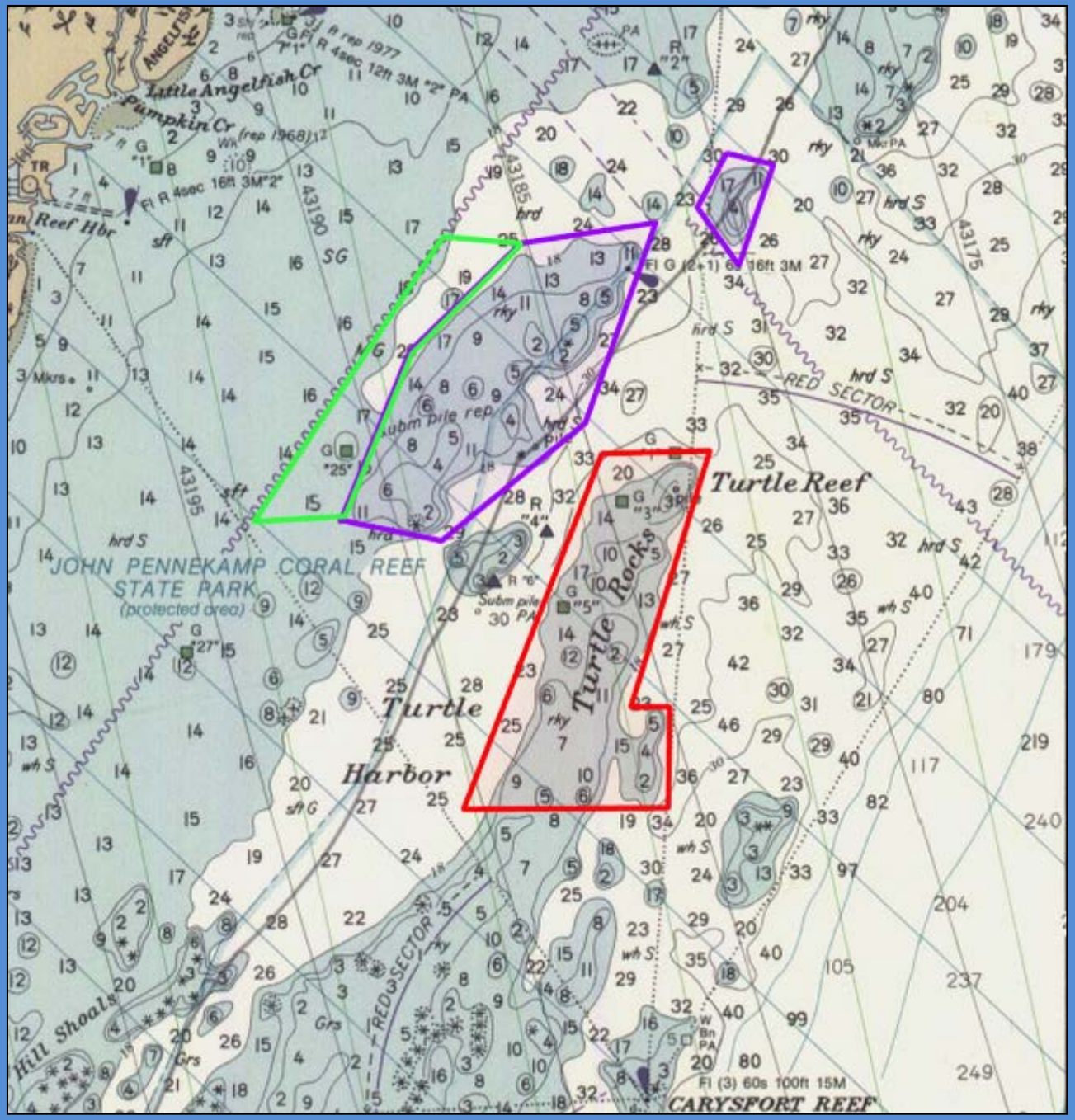
1828.

cloudy 12.00 Obs.d Stranger to
looking brig / Set Topsail, Cleared
& Guns &c. Brig Stranger to whom
to avoid us, Made more sail
y. Chase N.W. & N. 4 miles Crumbed
requires the Strong P.d Squalls with
ying a heavy Sea of Sail & gaining
on Ap. 6.15 hailing close Consecutively
which we returned immediately
They commenced action 6.45 Obs.d Chase
ds to Leward & threw a light & ceased
her having regular soundings from
Carisca reef 1.30 Obs.d Chase on shore
bring Wind & by boarded & sailed
4 bms Com. heaving ballast shot over-
bus on reef 2.30 Drafted off in 2 fms & at 3 PM
& cloudy 4 P.M. Daylight
Towards us proving to be
King vessels sent his Officer
Boat which pursued to see the
ers mounting 8 Guns 12 Pdrs
Guns with a Crew of 95
Slaves on board Obs.d Sloop
es & part of the Crew of the
the Sue J. Schooner the Safe
sence of an American Sloop of
ed the P.M. Cable & Commts in 2 1/2 Fms
P.M. Reef Breakers ahead N.N.E. 2 miles Distance &
the Charge of Prize & Transport the Crew
Upon Deck 12 Noon P.M.

Stopped the 3/8 Cable & Commenced in 2 1/2 hrs

Carry portage Ls. meteal S 60 W 1/4 mi to Black Saraks creek N 1/4 E


X Black Sarah's Creek
Area A
Area B
Area C
Areas most likely to be
December 19th strike points for
Guerrero and *Nimble*
X
Nimble Position December 20th
X Lightship *Caesar*
CARD
SOUND
BARNES
SOUND
NORTH
ATLANTIC
OCEAN


Little Angelfish Cr
Pumpkin Cr
Reef Hbr
JOHN PENNEKAMP CORAL REEF STATE PARK
(protected area)
Turtle Harbor
Turtle Reef
Turtle Rocks
Hill Shoals
RED SECTOR
CARYSFORT REEF
Fl R 4sec 16ft 3M "2"
Fl G (2+1) 6s 16ft 3M
Fl (3) 60s 100ft 15M
43185
43190
43195
43175





Large Box - 3 meter Gradiometer

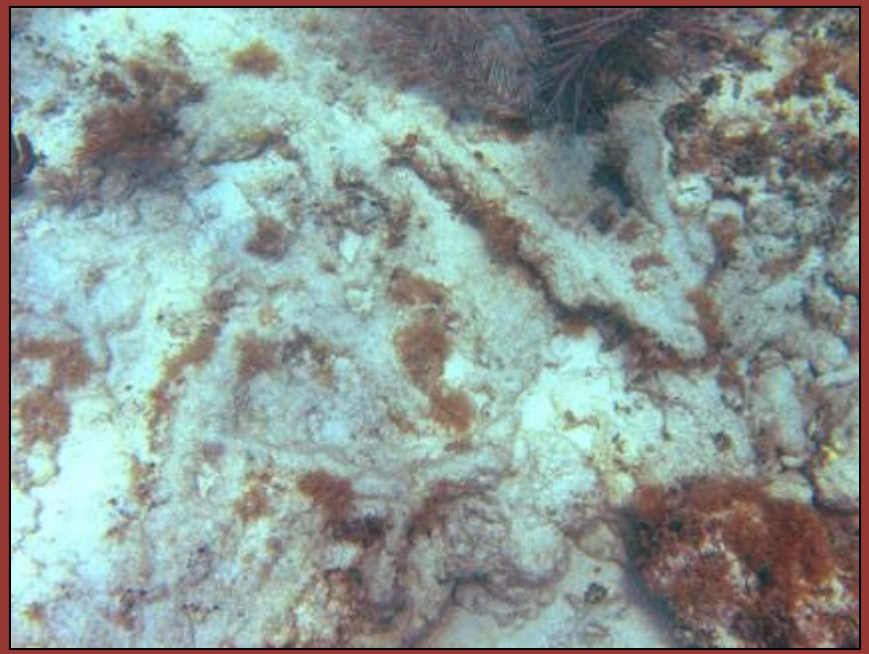
Turtle Harbor Magnetometer Survey
August, 2004

RPM Nautical Foundation
Key West, FL



4

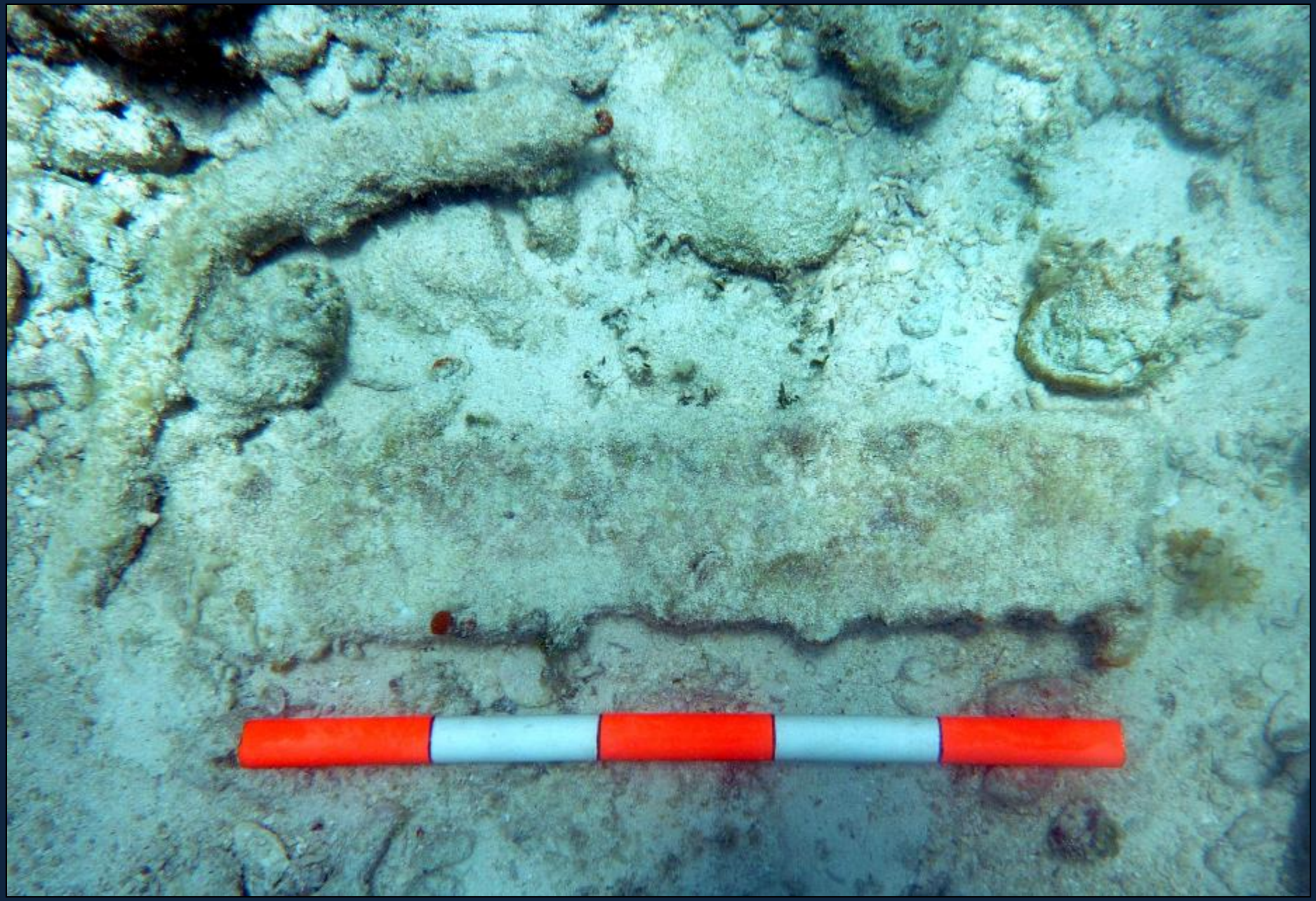














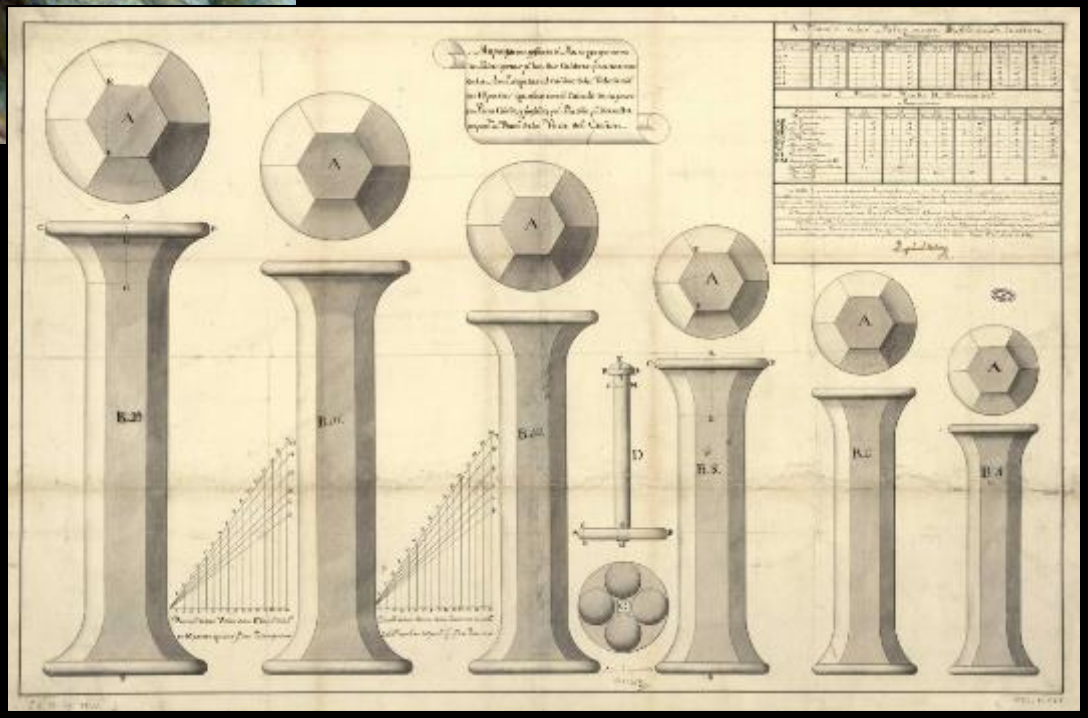











A
B.2
B.3
D






CLYSTERES
Ils étoient pour les lavements.
Hippocrate recommandé le lavement dans
de nombreuses affections et l'on trouve
diverses formules de lavements purgatifs,
détersifs, emolients, astringents.


CM
IN







Figure 50.
Lip thickness: considerably thicker than glass in neck
Lip formation: added glass, location not always clear
Lip shape: down-tooled
String rim shape: down-tooled
Dated examples: 1819, 1827, 1834, 1836, 1840









EAU DE COLOGNE

DE

JEA[illegible] MARIE FARINA,

LE [illegible] ANCIEN DISTILLATEUR À COLOGNE

[illegible]rant vis-à-vis de la place Juliers.

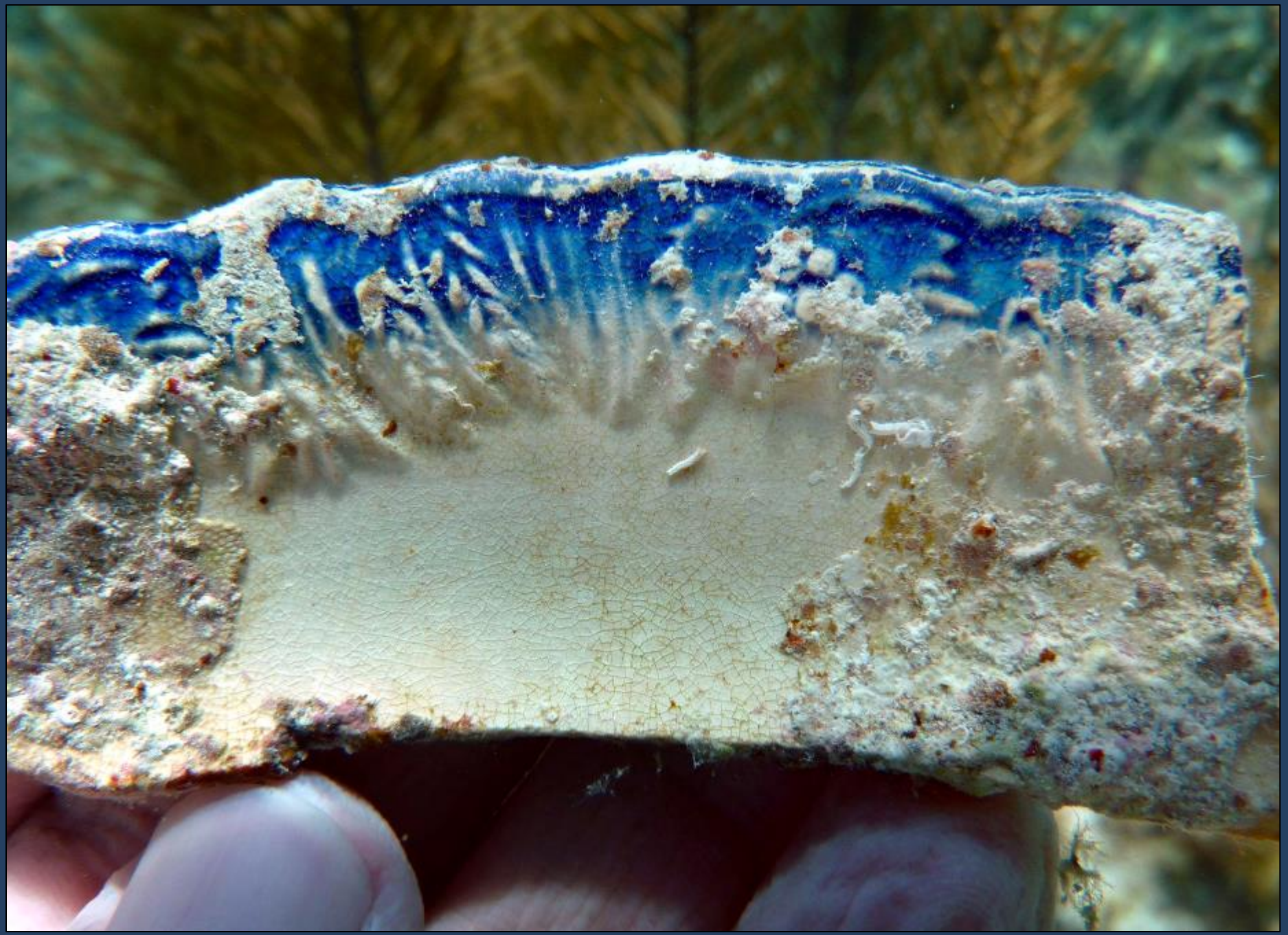
Cette Eau, *composée des* [illegible] *plus spiritueux que produise le règne végétal*, jouit pour ses qualités admirables d'une [illegible] *dans toute l'Europe cultivée, dans les pays lointains* même, qu'il seroit superflu de [illegible] *son éloge.* Aussi occupe-t-elle à juste titre le premier rang parmi les parfums tant ainé[illegible] *pour cette raison comme partie capitale et la plus* essentielle dans la toilette du beau [illegible] *l'employant à se laver ou après le bain on se trouve* singulièrement vivifié; mais il ne fa[illegible] *ses de la lumière à cause de son esprit volatil et* inflammable. En la faisant évaporer [illegible] *et de plus comme d'un moyen non seulement la* plus agréable mais aussi le plus [illegible] *sphère, nouvelle raison qui la rend préférable* aux autres prétendues désinfections telles [illegible] *lesquelles remplissant le nez d'un parfum* tromperoit empuisonnent les poumons de gaz [illegible]

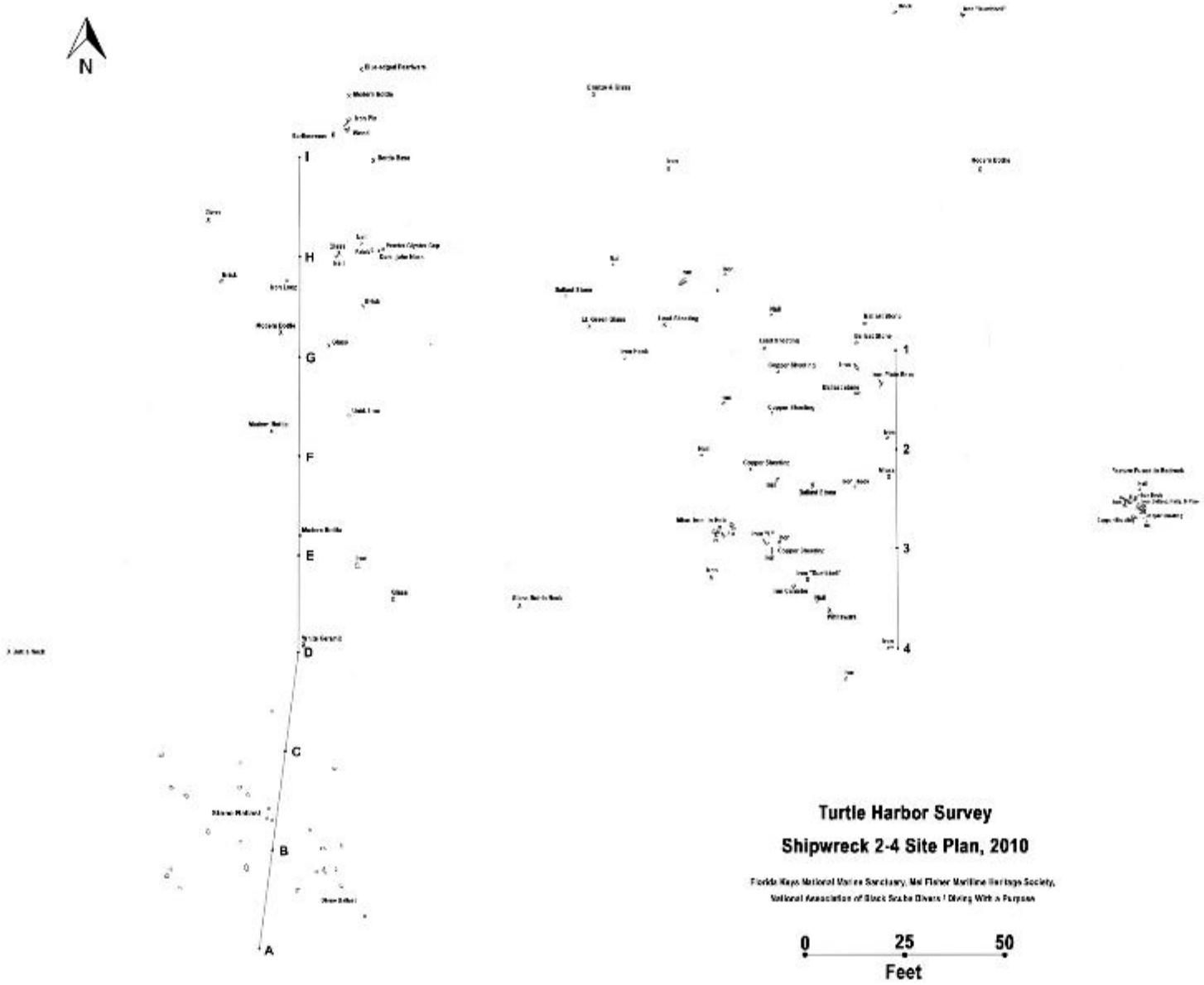
D'après les excellentes qualités de mon Ea[illegible] *ade célébrité qu'elle en tient, il ne faut* pas s'étonner qu'un grand nombre d'imitateurs [illegible] *ent élevés offrent aussi au public une* Eau de Cologne sous toutes sortes de fausses ap[illegible] *faisant valoir, pour couvrir l'illusion* et le succès de leur débit, la raison — FARINA [illegible] *, qui n'a jamais été en relation avec* moi, à su vendre différentes fois sous autant des différ[illegible]

Voilà pourquoi je juge à propos de déclarer que dans l[illegible] *n de l'Eau de Cologne ma maison* est la plus ancienne des [illegible], et que je dois ma manière de [illegible] *meure de* JEAN MARIE FARINA [illegible] *qui serret uniquement à son* naissait par héritage en 1766, [illegible] *nouveau sous séparation et* neveu et filleul JEAN MARIE FARINA de la ligne descendant[illegible] *me que jamais subordonné* ne portant que de cet endroit, a été constitué et l'est encore [illegible] *que sur toute prétention,* pit en connaissance des procédés de ma composition. Je puis do[illegible] *rable et son excellence* parceque mon Eau de Cologne, à l'épreuve même la plus simple, [illegible] *, dégagé d'odeur de* qu'on la frotte p. ex. sèche dans les mains nettes, ou qu'on la [illegible] *, moyen de guillier* savon, elle se distinguera alors non par la prépondérance d'un [illegible] *emploi peu sûr et mesquin des substances majeures, mais par cette juste* proportion des ingrédients congrus, l'agréable mélange de son odeur [illegible] *en se séchant,* dans une de ses parties individuelles. Pour cet effet il ne faut pas négliger [illegible] *phioles de bois* et de les tenir bien fermées, afin que son esprit ne se perde par les pores [illegible] *aucune raison* ne peut nuire à sa qualité, ni en empêcher le transport, car elle ne gl[illegible] *-on le plus* rigoureux; au contraire il faut choisir un dépôt qui ne l'expose pas trop à la c[illegible]

Pour prévenir toute confusion je dois aussi prier de prendre note exacte de [illegible] *ée telle* qu'elle se trouve au bas de cet avis ou, dans l'impossibilité de les signer de ma [illegible] *pétiteur* par un grillé avec un nouveau cachet plus distinct. Chaque phiole en sera à l'av[illegible] *nouveau de* coutume enveloppée d'un de ces avis dans lequel l'ancien cachet a été n'existera [illegible] *temps où le* nouveau suffisamment connu le fera disparaître. Si quelqu'un s'avisait jamais de contrefaire [illegible] *ces dites marques,* je le poursuivrais le plus rigoureusement devant l'autorité compétente.

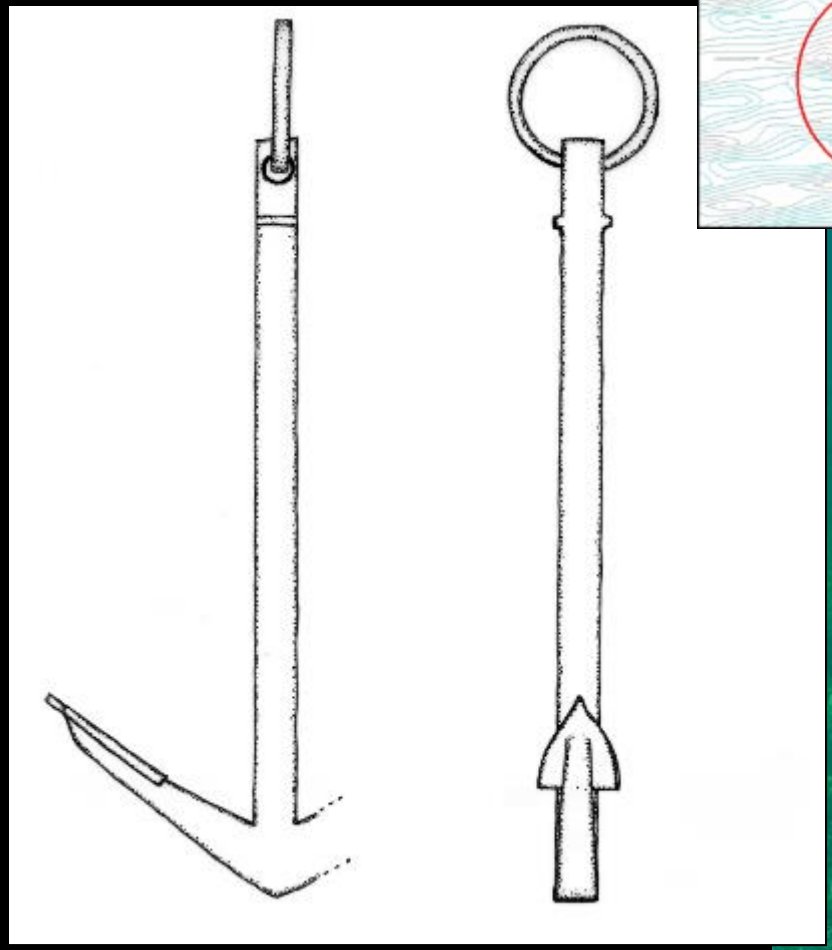
Cologne, le 1.er Janvier 1811.




N
I
H
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D
C
B
A
1
2
3
4
Turtle Harbor Survey
Shipwreck 2-4 Site Plan, 2010
Florida Keys National Marine Sanctuary, Mel Fisher Maritime Heritage Society,
National Association of Black Scuba Divers / Diving With a Purpose
0
25
50
Feet

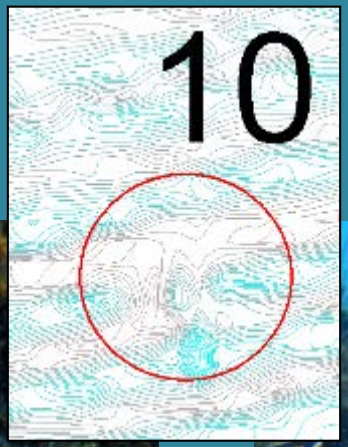
What can we say?

-The wreck was a sailing ship.
- Artifact collection dates to early 19th Century.
- The ship was a total loss – essential gear on bottom.
- Copper sheeting.
- 12 lb. cannon shot, but no cannons.
- No anchors.
- Musket shot.
- Mix of cultures.
- Nothing definitive found (i.e. no name).
- Additional wreckage is buried and unseen.




9

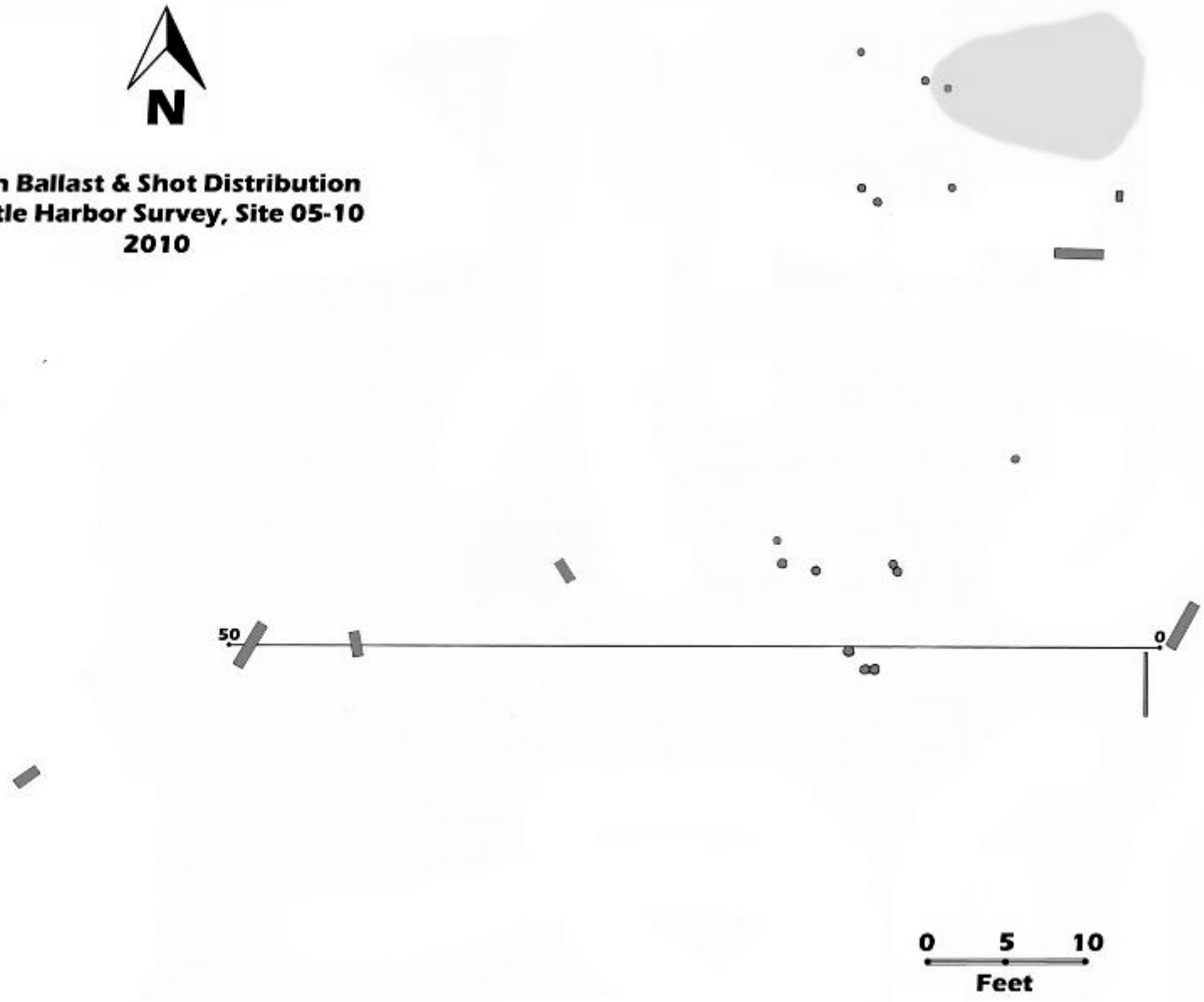



10








N
Iron Ballast & Shot Distribution
Turtle Harbor Survey, Site 05-10
2010
50
0
0
5
10
Feet


X Ivory Wreck

Chapter Fourteen

The Ivory Wreck

The hundreds of cannon that throughout the centuries have been strewn on the reefs of the Florida Keys are no one's secret. They have been found, lost, forgotten, and refound by generation after generation of fishermen. Occasionally a few cannon have been raised and lugged ashore, but it was not until Florida waters were invaded by skin-divers that the wrecks which the cannon guarded were sought out and explored.

Driving up the Overseas Highway with our six skin-divers bumping along happily in the back of a rented truck, we thought we were on our way from Key West to Key Largo to search for wrecks. We had returned from our training trip in the Tortugas and now we planned to investigate that anchor on the Elbow which a year before had nearly made us lose our boat. We had not reckoned on the long arm of coincidence, on the whims of hurricanes, or on the magnetism of Bill Thompson's personality.

Bill and his wife Ethel operated the cool and attractive tourist cottages in Marathon where we stopped for the night. Ingenious and hospitable, they had successfully weathered hurricanes and all the vicissitudes of pioneering on the Keys. When we told Bill our plans for treasure hunting at Key Largo he looked surprised.

"Why go to Key Largo?" he asked. "There should be plenty

of wrecks right here."
that he had raised fro

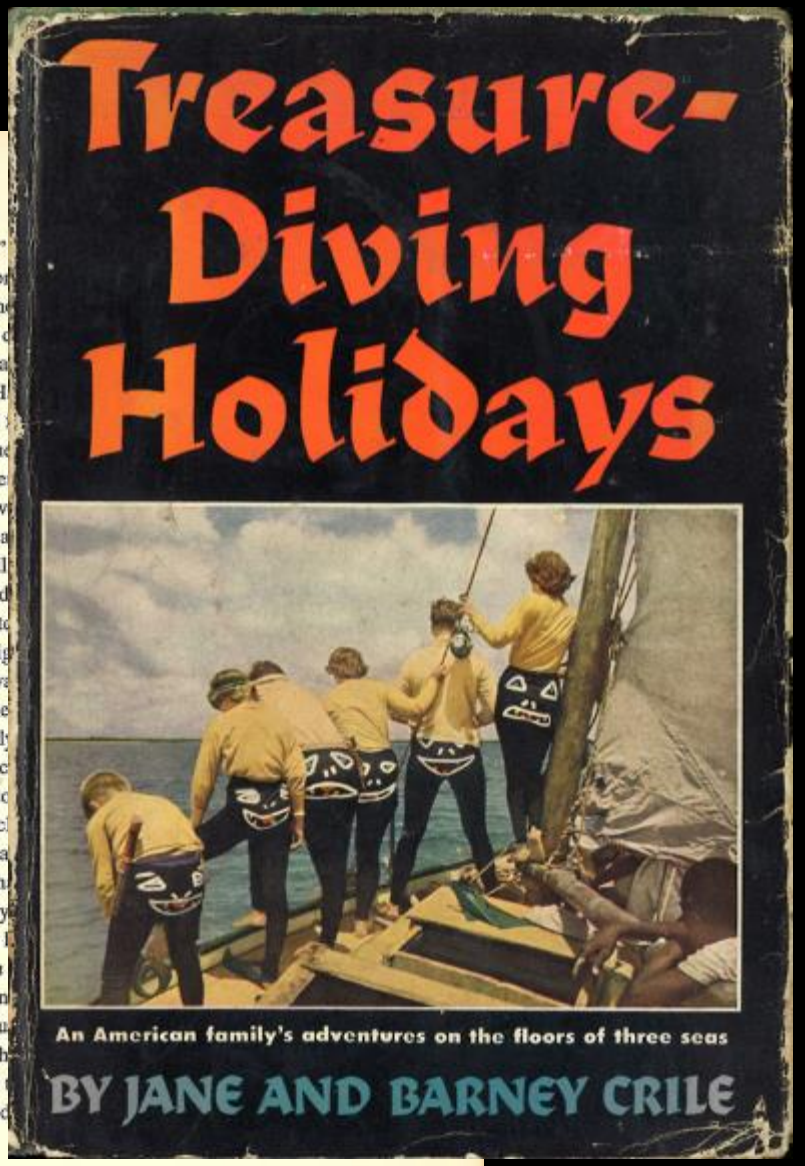
The picture convin
place to dive, so we
fast sport-fishing boa
before. As we left H
reef the water turned
on the edge of the blu
bound steamers and
hugged the reef to av
When we were about
edge of the reef, Bill
overboard and spread
through our face plat

"Look for the straig

The boat drew aw
preservers. Susie looke
We drifted effortless
tide, looking for wrec
sterile sea-swept bott
behind the reef to pic
was right for underwa

"Let's go back to th
dived before," Barney
tures and come back

Parky ran the *Bon*
Light and stopped on
the cameras. Below u
coral that led out to th
most invisible behind
us and then dissolve











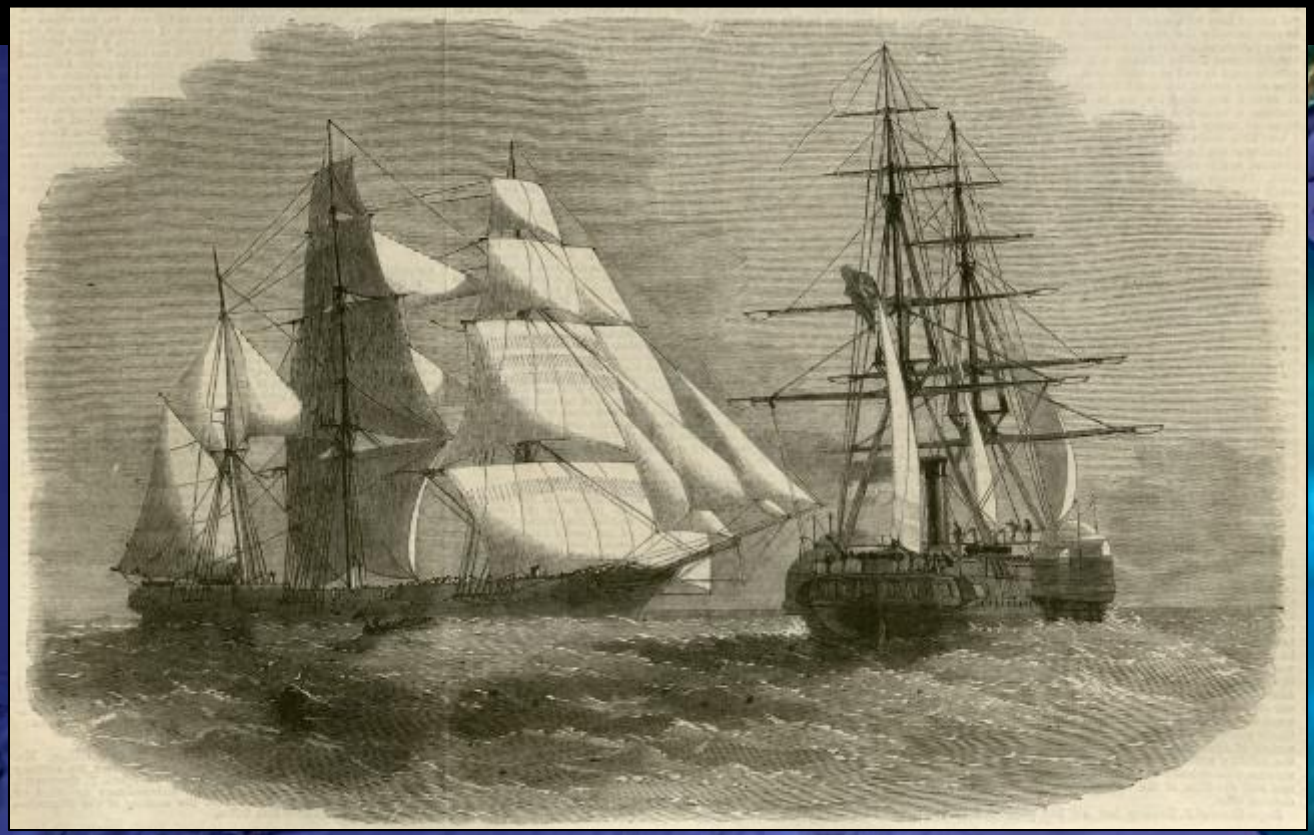






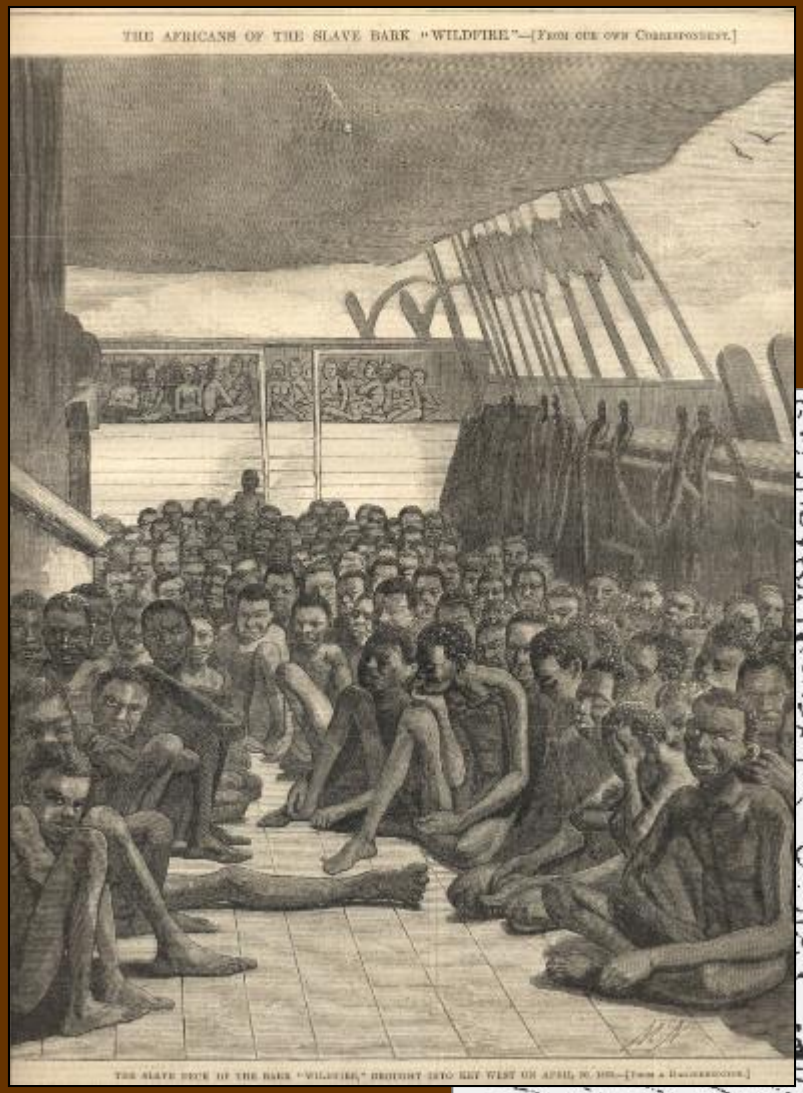



African Cemetery
X



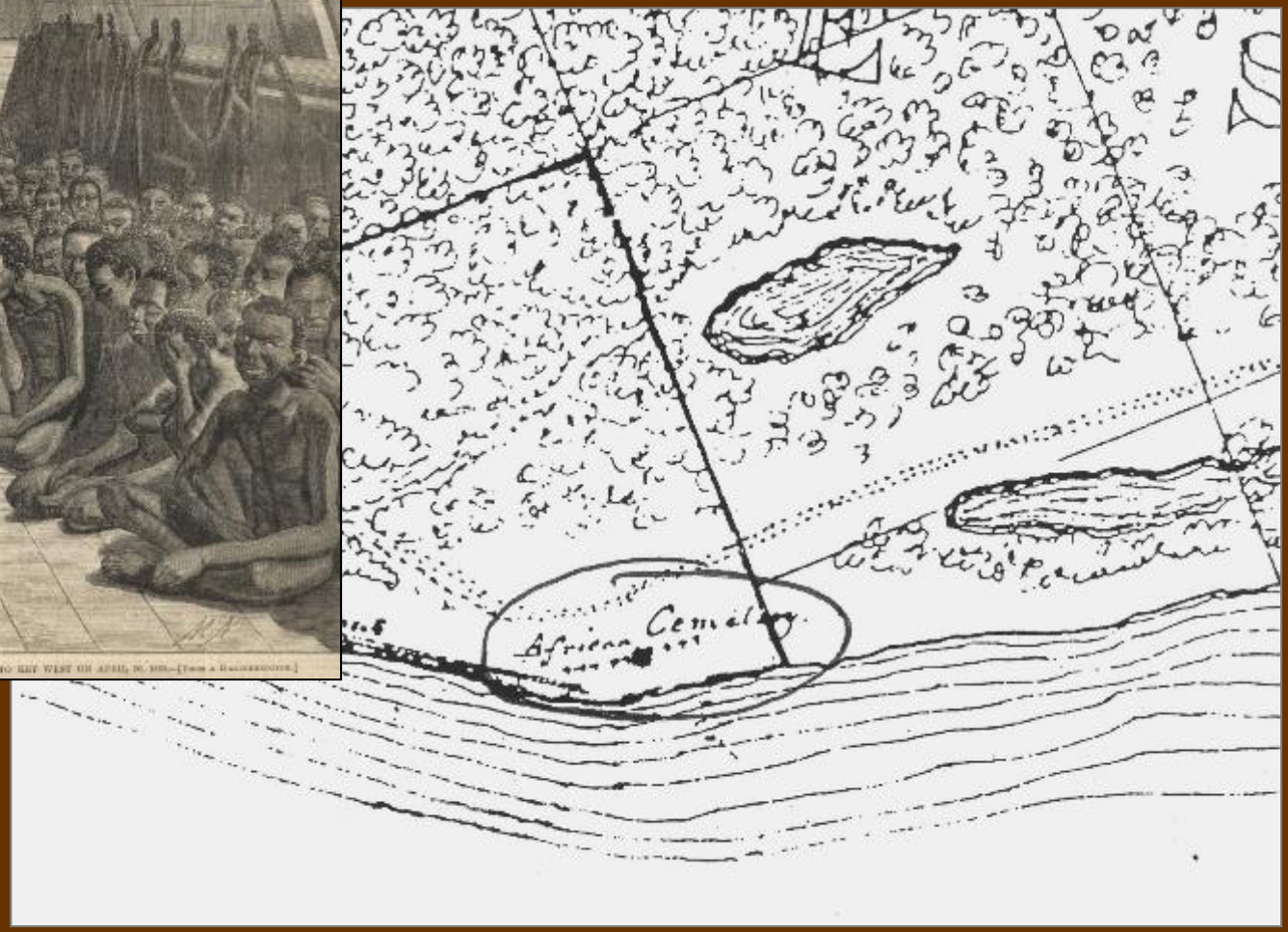



X Wildfire
X Bogota
X William

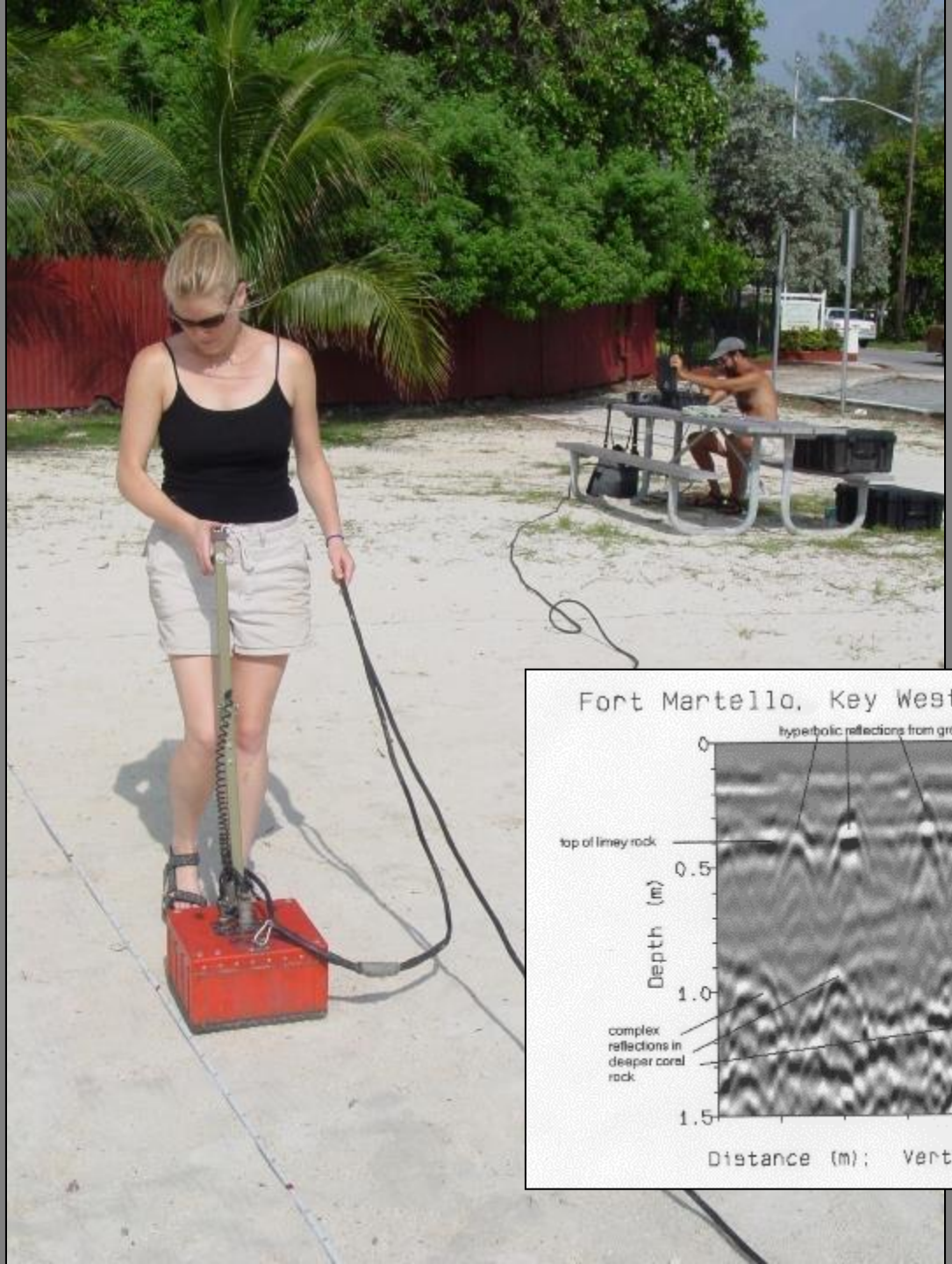


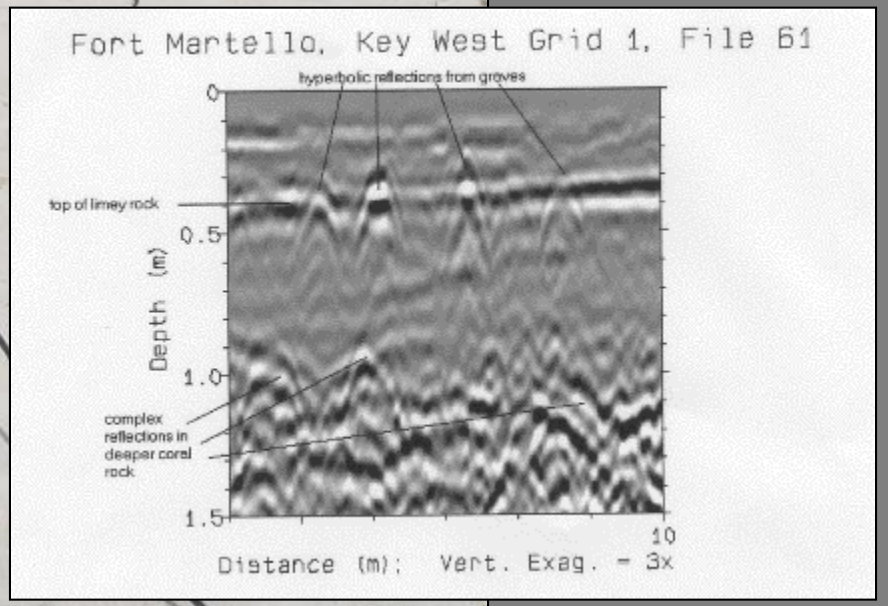
THE AFRICANS OF THE SLAVE BARK "WILDFIRE."—[From our own Correspondent.]

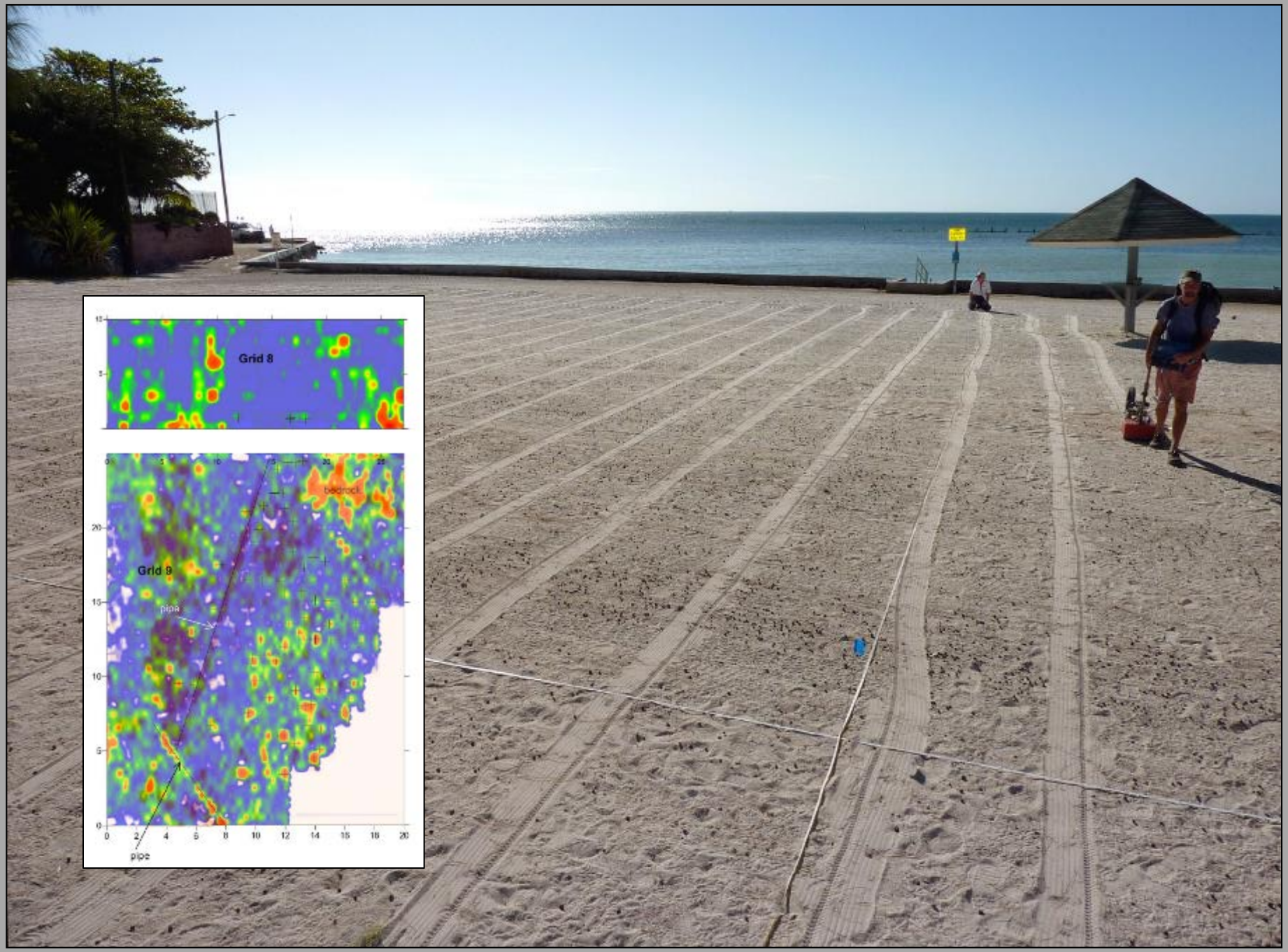
THE SLAVE DECK OF THE BARK "WILDFIRE," BROUGHT INTO KEY WEST ON APRIL 20, 1860.—[From a Daguerreotype.]








Fort Martello, Key West Grid 1, File 61
hyperbolic reflections from groves
top of limey rock
complex reflections in deeper coral rock
Depth (m)
0
0.5
1.0
1.5
10
Distance (m); Vert. Exag. = 3x


Grid 8
bedrock
Grid 9
pipe
pipe
0
2
4
5
8
10
12
14
15
18
20


ATLANTIC BOULEVARD
ATLANTIC BOULEVARD
DOG PARK
DOG PARK
DOG PARK
WATER FOUN.
WATER FOUN.
concrete pad & bench
concrete pad & bench
concrete pad & bench
concrete pad & bench
COVERED TABLE
COVERED TABLE
COVERED TABLE
COVERED TABLE
COVERED TABLE
COVERED TABLE
WEST MARTELLO TOWER (KEY WEST GARDEN CLUB)
1 STORY BRICK RESTROOMS F.F.L. 6.07
WOOD DECK
SANDY BEACH
SANDY BEACH


AFRICAN CEMETERY AT
HIGGS BEACH




al Transatlantic Slave Trade

Web Resources:

Artifact and document database:

floridaslavetradecenter.org

3-D Model Gallery:

sketchfab.com/mfmaritimemuseum

Fig. 5

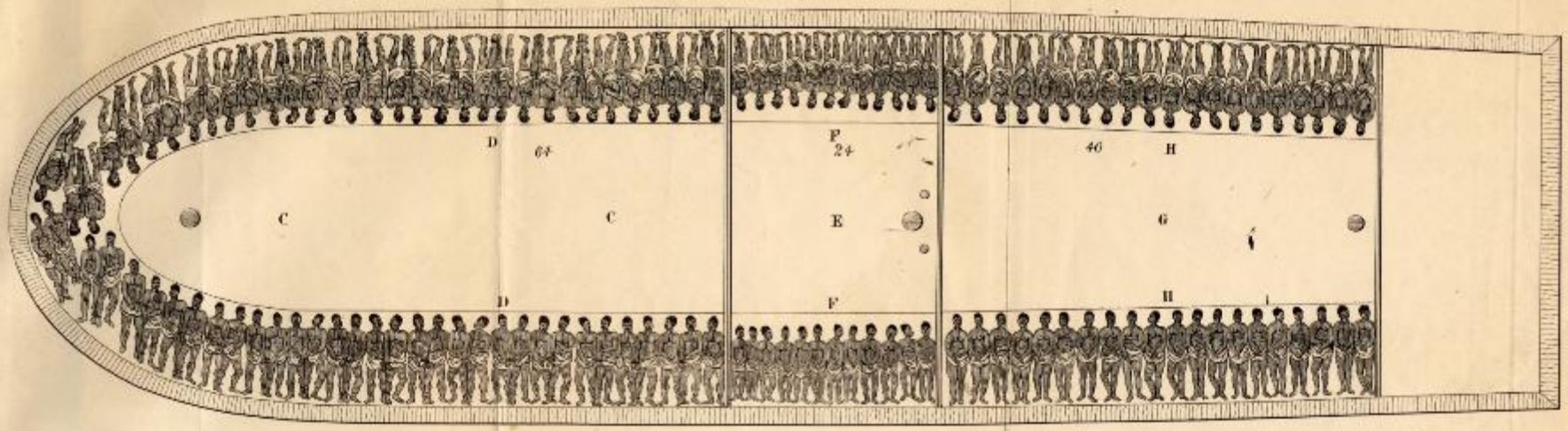
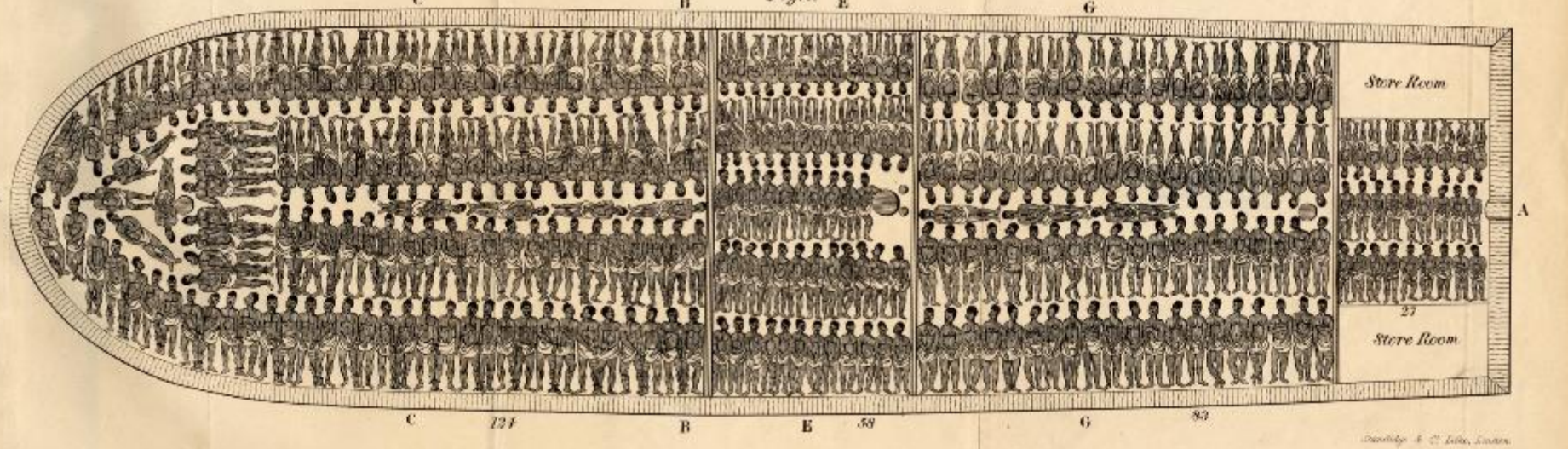

D
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C
D
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24
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F
46
H
G
H
I

Fig. 4.


C
B
E
G
A
A
Store Room
27
Store Room
C
124
B
E
38
G
83