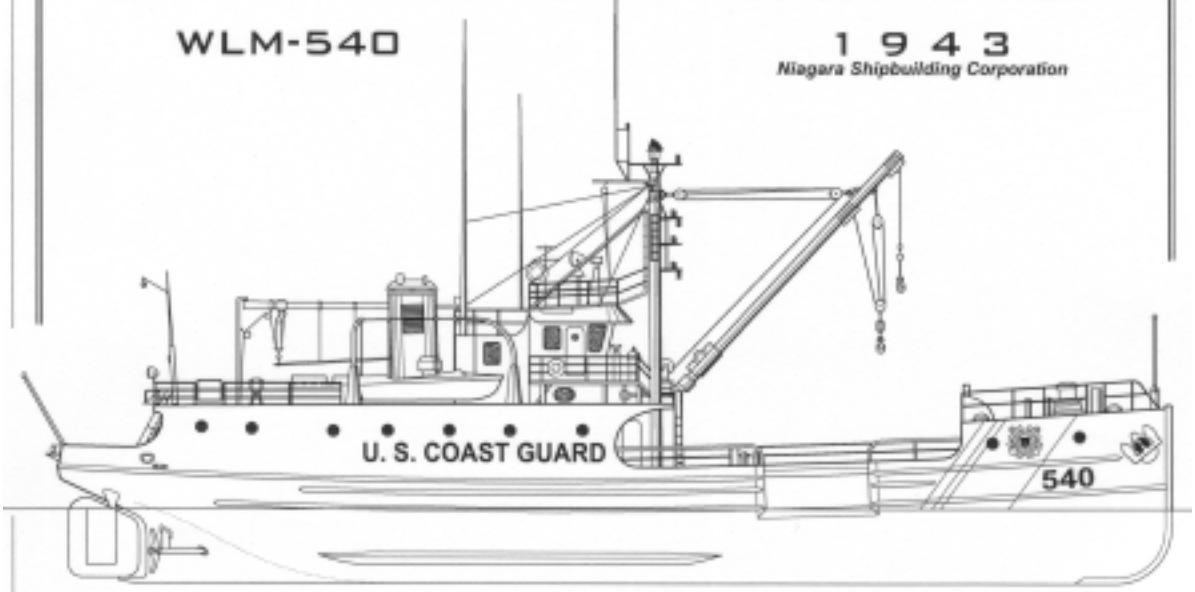
CGC "WHITE SUMAC"

WLM-540

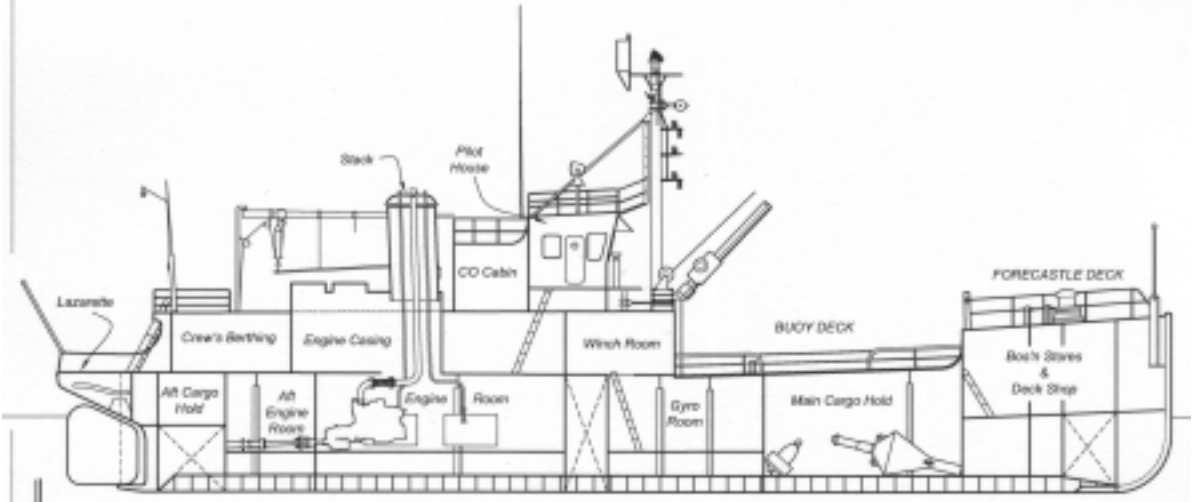
1943

Niagara Shipbuilding Corporation



OUTBOARD PROFILE

NOTE: *This drawing was traced from historic design drawings of the USCG Cutter WHITE SUMAC ("General Arrangement & Profiles"; original ca. 1947– revised 1971, 1976 & 1985). HAER did not field check dimensions or arrangement of features. Upper and Buoy deck features based in part on HAER's photographs of the vessel (LA-14-16; LA-14-17 & LA-14-20).*



INBOARD PROFILE

The "WHITE SUMAC" was originally constructed as a yard lighter (YF 416) for the United States Navy in 1943. This class of vessel provided logistical support to naval operations during World War II. Following the war, the U.S. Coast Guard acquired eight of these vessels to perform service for their aids to navigation as buoy tenders.

The United States Coast Guard Recording Program is part of the Historic American Engineering Record (HAER), a long-range program documenting historically significant engineering, industrial, and maritime sites in the United States. The HAER program is administered by the National Park Service, U.S. Department of the Interior. The USCG Buoy Tenders, 133' Class Recording Project was sponsored during 2000 & 2001 by the USCG, Sheri Inel, liaison.

The measured drawings, historical reports and photographs were prepared under the direction of Eric DeLony, Chief of HAER & Todd Croteau, Maritime Program Manager. The team consisted of Howard Jefferson (University of the District of Columbia) & Pete Brooks, architects; Candace Gifford & Kevin Foster, historians; and Jet Lowe, photographer.

Pete Brooks, 2001

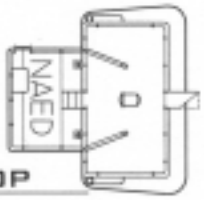
UNITED STATES COAST GUARD RECORDING PROGRAM	U.S. COAST GUARD CUTTER "WHITE SUMAC", 1943/1947 U.S.C.G. 8TH DISTRICT BASE NEW ORLEANS ORLEANS PARISH LOUISIANA	1 of 3	HISTORIC AMERICAN ENGINEERING RECORD LA-14

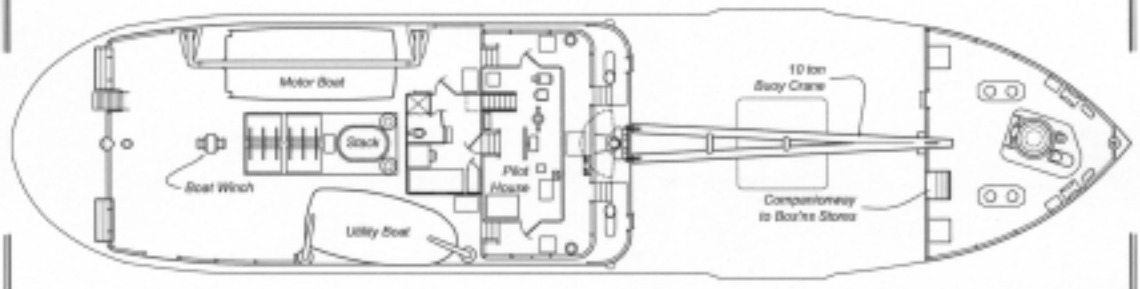
DECK PLANS

CGC "WHITE SUMAC"

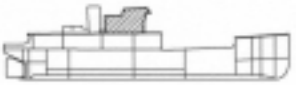
NOTE: *This drawing was traced from historic design drawings of the USCG Cutter WHITE SUMAC ("General Arrangement & Profiles", original ca. 1947– revised 1971, 1976 & 1989). HAER did not field check dimensions or arrangement of features. See HAER Field Notebooks for more information.*

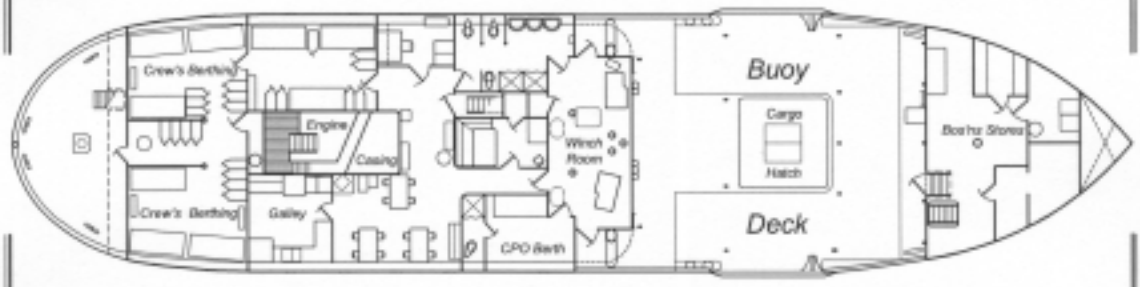
PILOT HOUSE TOP



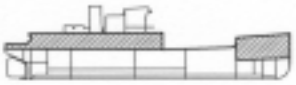


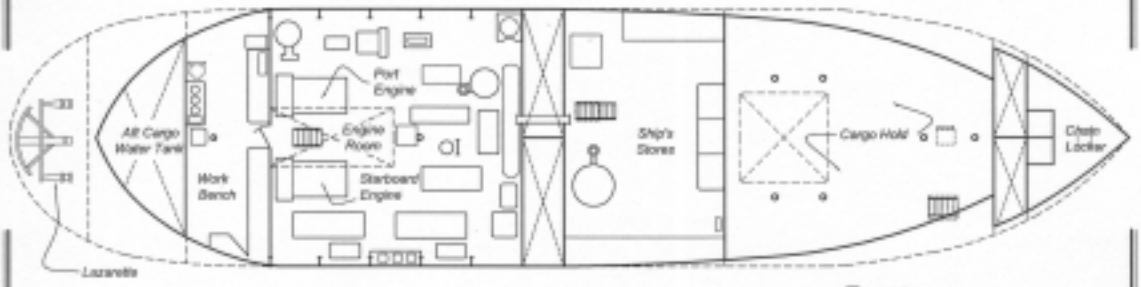
UPPER & FORECASTLE DECKS



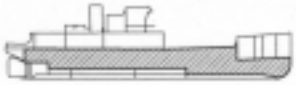


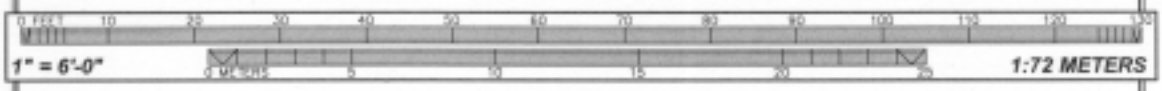
MAIN DECK





HOLD





DRAWN BY: Pete Brooks, 2001

UNITED STATES COAST GUARD RECORDING PROGRAM

U.S. COAST GUARD CUTTER "WHITE SUMAC", 1943/1947

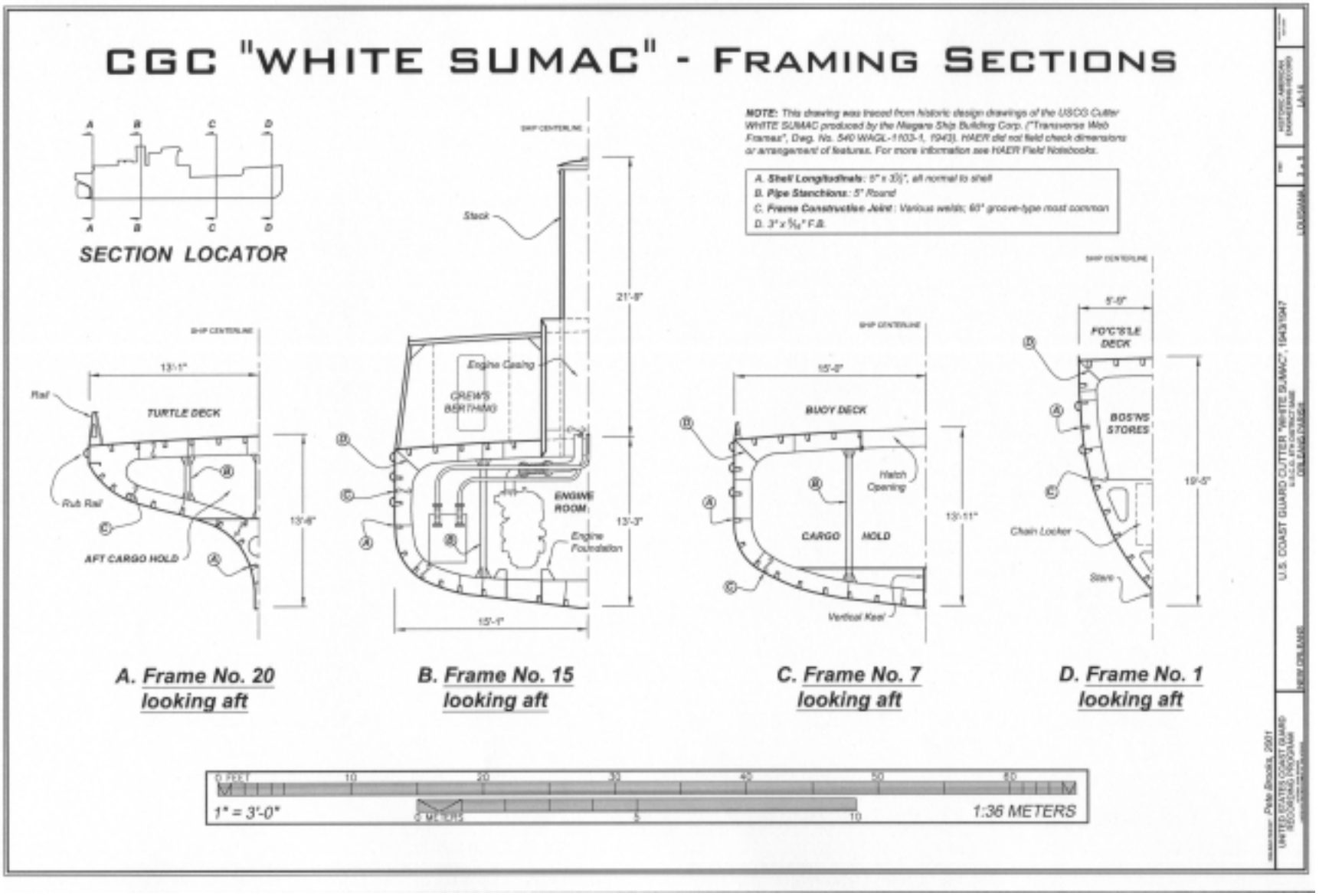
U.S.C.G. 8TH DISTRICT BASE ORLEANS PARISH

NEW ORLEANS LOUISIANA

2 of 8

HISTORIC AMERICAN ENGINEERING RECORD

LA-14

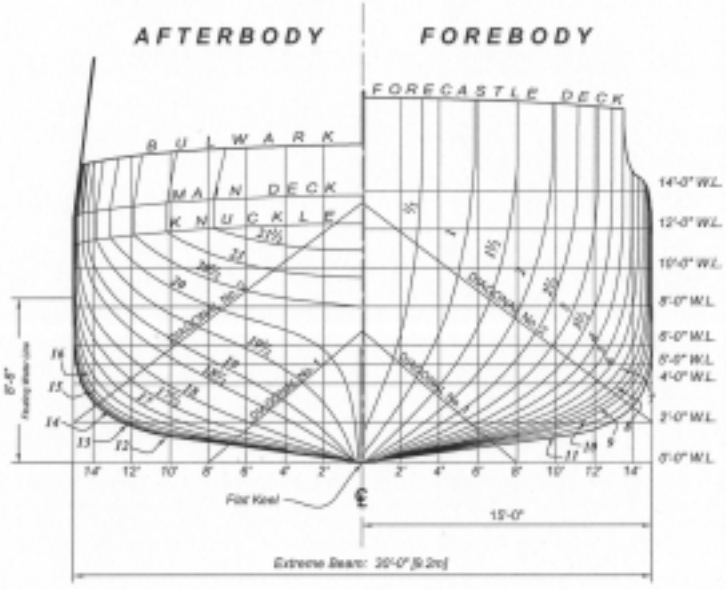

CGC "WHITE SUMAC" - FRAMING SECTIONS
SECTION LOCATOR
A
B
C
D
NOTE: This drawing was traced from historic design drawings of the USCG Cutter WHITE SUMAC produced by the Niagara Ship Building Corp. ("Transverse Web Frames", Dwg. No. 540 WAGL-1103-1, 1943). HAER did not field check dimensions or arrangement of features. For more information see HAER Field Notebooks.
A. Shell Longitudinals: 5" x 3½", all normal to shell
B. Pipe Stanchions: 5" Round
C. Frame Construction Joint: Various welds; 60° groove-type most common
D. 3" x 5/16" F.B.
SHIP CENTERLINE
Stack
21'-8"
Engine Casing
CREW'S BERTHING
ENGINE ROOM
Engine Foundation
13'-3"
15'-1"
13'-1"
Rail
TURTLE DECK
Rub Rail
AFT CARGO HOLD
13'-6"
15'-0"
BUOY DECK
Hatch Opening
CARGO HOLD
13'-11"
Vertical Keel
5'-9"
FO'C'S'LE DECK
BOS'N'S STORES
19'-6"
Chain Locker
Stays
A. Frame No. 20 looking aft
B. Frame No. 15 looking aft
C. Frame No. 7 looking aft
D. Frame No. 1 looking aft
0 FEET
10
20
30
40
50
60
1" = 3'-0"
0 METERS
5
10
1:36 METERS
U.S. COAST GUARD CUTTER "WHITE SUMAC", 1943/1947
LOUISIANA
NEW ORLEANS
Pete Brooks, 2001

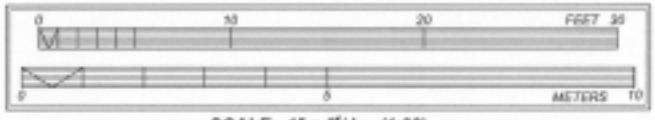
CGC "WHITE SUMAC" - BODY PLAN

Table of Offsets

		FOREBODY STATIONS														
		½	1	1½	2	2½	3	3½	4	5	6	7	8	9	10	11
HALF-BREADTHS	POINTSILL	3-1-4	5-6-5	8-8-2	9-9-1	11-1-3	12-1-5	12-11-0	13-6-1	–	–	–	–	–	–	–
	2" W.L.	0-2-0	1-3-0	2-5-6	3-2-8	3-10-2	5-1-3	6-8-1	8-10-8	8-8-8	9-9-8	11-0-2	11-11-8	12-6-2	12-9-3	12-9-7
	4" W.L.	1-1-4	2-7-7	4-1-4	5-6-2	6-5-0	8-1-2	9-2-1	10-8-8	12-0-8	13-3-3	14-0-8	14-8-1	14-7-4	14-7-7	14-7-7
	6" W.L.	1-6-2	3-3-1	4-10-6	6-4-7	7-4-6	9-1-2	10-3-4	11-4-0	13-6-8	13-11-7	14-6-8	14-8-3	14-10-7	14-11-1	14-11-1
	8" W.L.	1-10-2	3-4-3	5-6-3	7-1-4	8-7-0	9-10-6	11-0-6	12-6-3	14-0-2	14-4-8	14-9-8	14-11-4	15-0-8	15-0-0	15-0-0
	10" W.L.	2-4-3	4-6-7	6-6-2	8-0-7	9-8-7	10-10-1	12-1-1	13-11-2	14-4-7	14-9-1	14-10-4	14-11-6	15-0-8	15-0-0	15-0-0
	12" W.L.	2-8-5	5-1-2	7-2-3	8-11-7	10-5-5	11-8-0	12-7-4	13-3-7	14-8-7	14-9-8	14-10-4	14-11-6	15-0-8	15-0-0	15-0-0
	13" W.L.	2-11-0	5-5-5	7-7-5	9-5-6	10-10-7	12-8-2	12-10-2	13-8-6	14-8-2	14-8-1	14-10-4	14-11-6	15-0-8	15-0-0	15-0-0
	14" W.L.	3-8-6	5-8-8	7-11-1	9-8-6	10-8-6	12-1-6	–	–	–	–	–	–	–	–	–
HEIGHTS above base	POINTSILL	19-1-7	18-1-1	16-8-0	17-10-7	17-9-7	17-8-0	17-8-2	17-7-6	–	–	–	–	–	–	–
	2" BOTT.	0-6-0	3-0-2	1-9-2	1-1-4	0-9-6	0-7-2	0-6-0	0-5-1	0-4-1	0-3-4	0-3-0	0-2-6	0-2-4	0-2-3	0-2-3
	4" BOTT.	–	0-5-6	3-10-2	2-7-2	1-10-5	1-5-5	1-2-1	0-11-7	0-9-5	0-8-1	0-7-0	0-6-2	0-5-7	0-5-6	0-5-4
	6" BOTT.	–	–	5-10-2	4-5-3	3-5-1	2-5-7	1-11-7	1-7-7	1-3-2	1-0-6	0-11-0	0-9-7	0-9-2	0-8-7	0-8-6
	8" BOTT.	–	–	14-7-0	7-6-1	5-10-0	3-11-0	3-1-2	2-6-4	1-10-7	1-6-7	1-3-2	1-1-3	1-0-4	1-0-0	1-0-0
	10" BOTT.	–	–	–	–	4-11-5	6-1-7	4-8-1	3-6-1	2-7-7	2-0-6	1-3-3	1-0-7	1-4-2	1-2-6	1-2-1
	12" BOTT.	–	–	–	–	–	11-10-1	9-5-1	6-11-2	3-11-4	2-11-7	2-4-6	2-0-1	1-9-6	1-8-1	1-7-0
	14" BOTT.	–	–	–	–	–	–	–	–	7-6-6	5-0-6	3-11-0	3-4-2	3-0-4	2-10-0	2-10-1
Deadwood	No. 1	2-1-0	2-7-5	4-9-2	5-7-7	6-4-1	6-10-5	7-0-5	7-2-4	8-0-5	8-3-7	8-6-2	8-8-0	8-8-7	8-9-4	8-8-1
	No. 2	3-5-6	6-1-5	8-1-7	9-8-6	11-0-2	12-1-2	13-0-4	13-10-1	13-9-6	13-11-1	13-9-2	13-11-1	17-1-6	17-3-0	17-2-7

		AFTERBODY STATIONS														
		12	13	14	15	16	17	17½	18	18½	19	19½	20	20½	21	21½
HALF-BREADTHS	MAIN DECK	15-0-0	15-0-0	15-0-0	15-0-0	14-11-0	14-11-0	14-10-2	14-9-0	14-8-7	14-3-0	13-9-5	13-1-4	11-10-5	10-1-7	7-9-4
	2" W.L.	12-4-7	12-4-7	12-4-7	12-4-4	11-8-4	9-9-0	7-10-6	6-9-0	6-1-7	2-7-0	1-4-2	0-5-0	–	–	–
	4" W.L.	14-7-7	14-7-7	14-7-7	14-6-8	14-2-4	13-0-2	11-10-7	10-4-1	9-3-3	5-9-8	3-1-5	0-11-1	–	–	–
	6" W.L.	14-11-1	14-11-1	14-11-1	14-10-3	14-7-0	13-10-2	13-0-4	11-10-0	10-1-4	7-9-0	4-7-6	1-5-4	–	–	–
	8" W.L.	15-0-0	15-0-0	15-0-0	14-11-6	14-10-0	14-4-6	13-10-0	13-11-6	11-7-6	9-7-5	5-8-4	2-7-6	–	–	–
	8" W.L.	15-0-0	15-0-0	15-0-0	15-0-0	14-11-6	14-10-4	14-8-1	14-3-5	13-7-0	12-7-1	10-11-6	8-3-6	2-1-7	–	–
	10" W.L.	15-0-0	15-0-0	15-0-0	15-0-0	14-11-0	14-11-0	14-10-2	14-8-5	14-5-7	14-0-1	13-1-7	11-10-3	9-9-7	6-4-1	–
HEIGHTS above base	MAIN DECK	12-3-1	12-2-4	12-2-4	12-2-4	12-2-6	12-3-1	12-3-7	12-4-2	12-9-1	12-9-7	12-9-6	12-7-1	12-9-4	12-11-3	13-1-4
	2" BOTT.	0-2-3	0-2-3	0-2-3	0-2-4	0-2-7	0-3-6	0-4-6	0-6-4	0-10-2	1-6-0	2-11-0	5-1-0	7-11-7	9-4-1	10-8-0
	4" BOTT.	0-5-4	0-5-4	0-5-4	0-5-7	0-6-6	0-8-6	0-11-1	1-3-2	1-11-0	3-11-6	4-7-1	6-7-1	8-2-4	9-6-4	10-10-2
	6" BOTT.	0-8-6	0-8-6	0-8-6	0-8-2	0-10-4	1-1-6	1-6-4	2-0-0	2-10-4	4-1-3	5-8-3	7-6-3	8-7-1	9-10-7	11-2-4
	8" BOTT.	1-0-6	1-0-0	1-0-0	1-0-4	1-2-2	1-7-0	2-0-3	2-9-4	3-10-2	5-3-0	6-6-2	7-10-4	9-2-3	10-6-1	–
	10" BOTT.	1-3-1	1-3-1	1-3-2	1-4-1	1-6-6	2-2-1	2-10-1	3-4-5	4-11-1	6-2-3	7-3-3	8-9-3	10-1-1	11-5-3	–
	12" BOTT.	1-7-6	1-7-6	1-8-1	1-10-1	2-2-4	3-2-1	4-0-7	5-1-5	6-8-2	7-8-0	8-4-2	10-1-0	–	–	–
	14" BOTT.	2-10-1	2-10-1	2-10-6	3-1-2	3-8-1	5-2-6	6-2-6	7-4-4	8-7-0	9-11-3	–	–	–	–	–
Deadwood	No. 1	8-9-1	8-9-1	8-9-1	8-8-7	8-7-1	8-2-5	7-10-0	7-3-0	6-5-2	5-4-8	4-8-1	3-7-1	–	–	–
	No. 2	17-2-7	17-2-7	17-2-6	17-1-1	16-8-5	15-8-7	14-11-7	14-1-2	13-0-1	11-10-8	10-7-1	9-3-1	7-8-4	5-5-3	3-8-6





SCALE: 1" = 2½' (1:32)

Note

This drawing was traced from an historic design drawing of the "WHITE SUMAC" ("Lines & Offsets"; 540 WAGL-0500-6, 1944). HAER did not lift lines or field check dimensions. Offset data were condensed to fit available space; drawing noted above includes many more station points and reference lines. See HAER Field Notebooks for more information. Station spacing is 6'-0", half-stations at 3'-0". Zero (0) Station is located at the outer edge of stem. All offset dimensions are given in FEET-INCHES-EIGHTHS OF AN INCH. Example: 11-4-2 = 11' 4 ¼"

HISTORIC AMERICAN ENGINEERING RECORD

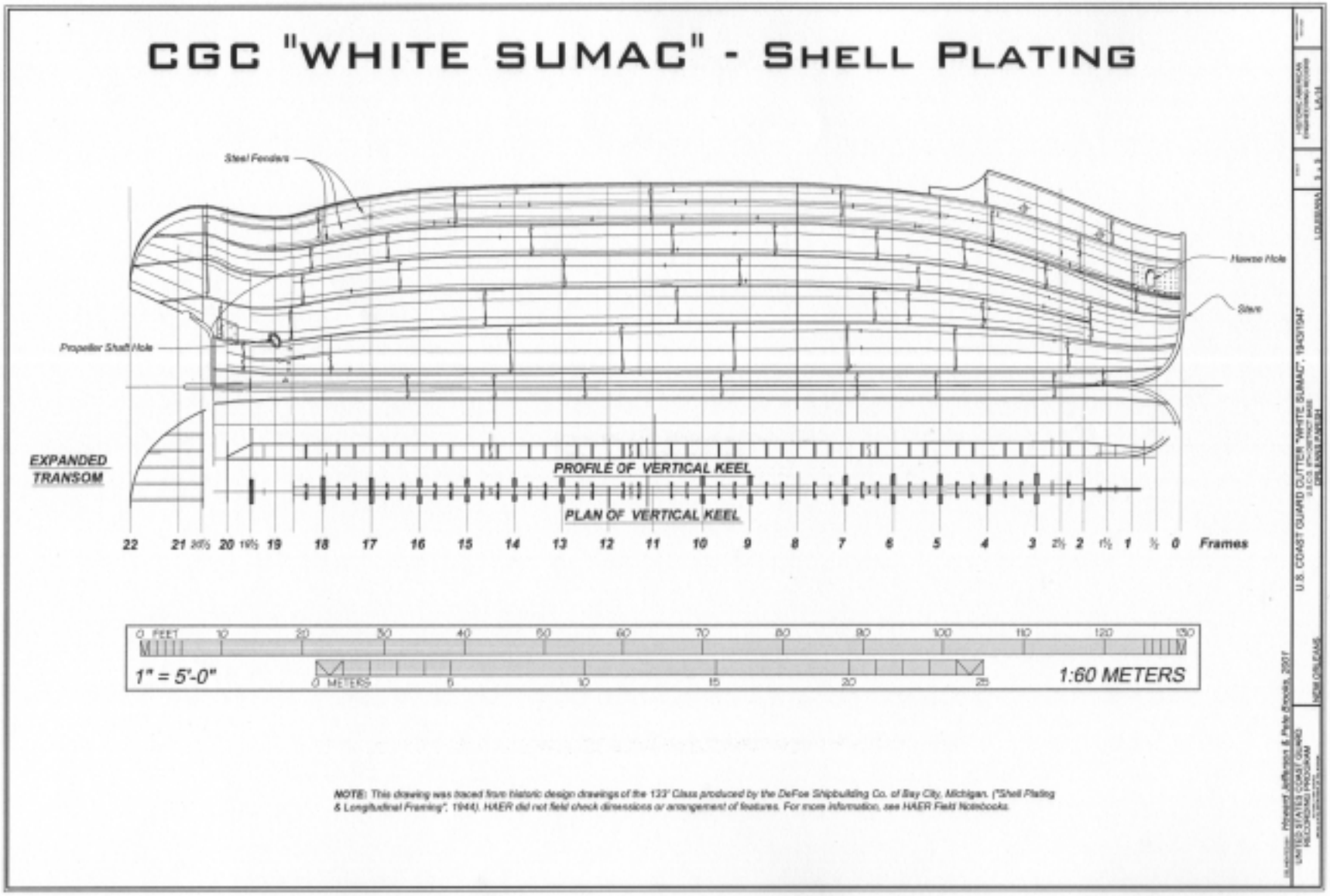
U.S. COAST GUARD CUTTER "WHITE SUMAC", 1943/1961

LOWER MAIN

SIDE OF BLOCK

Peter Brooks, 2001

UNITED STATES COAST GUARD RECREATIONAL PROGRAM


CGC "WHITE SUMAC" - SHELL PLATING
Steel Fenders
Hawse Hole
Stem
Propeller Shaft Hole
EXPANDED TRANSOM
PROFILE OF VERTICAL KEEL
PLAN OF VERTICAL KEEL
22 21 20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0 Frames
0 FEET 10 20 30 40 50 60 70 80 90 100 110 120 130
1" = 5'-0"
0 METERS 5 10 15 20 25
1:60 METERS
NOTE: This drawing was traced from historic design drawings of the 133' Class produced by the DeFoe Shipbuilding Co. of Bay City, Michigan. ("Shell Plating & Longitudinal Framing", 1944). HAER did not field check dimensions or arrangement of features. For more information, see HAER Field Notebooks.
U.S. COAST GUARD CUTTER "WHITE SUMAC", 1943/1947
NEW ORLEANS