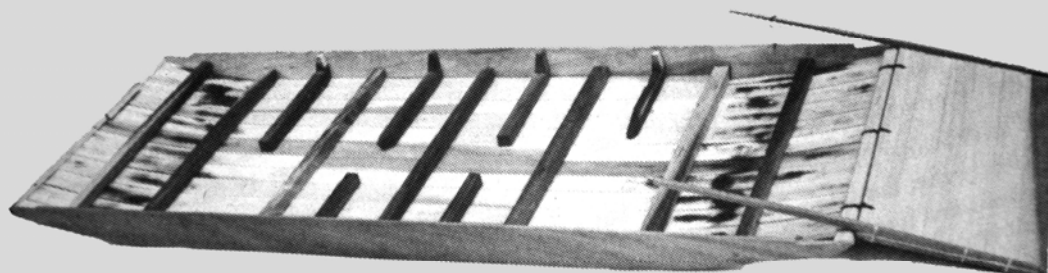


BARGES

**NOTES FROM THE
NORTH CAROLINA MARITIME
WORKSHOP VII**



PRESENTED BY:

**MARK WILDE-RAMSING
STAFF ARCHAEOLOGIST**

**NORTH CAROLINA
UNDERWATER ARCHAEOLOGY BRANCH**

SEPTEMBER, 1989

BARGES

(Notes from the North Carolina Maritime Workshop VII)

Presented by:

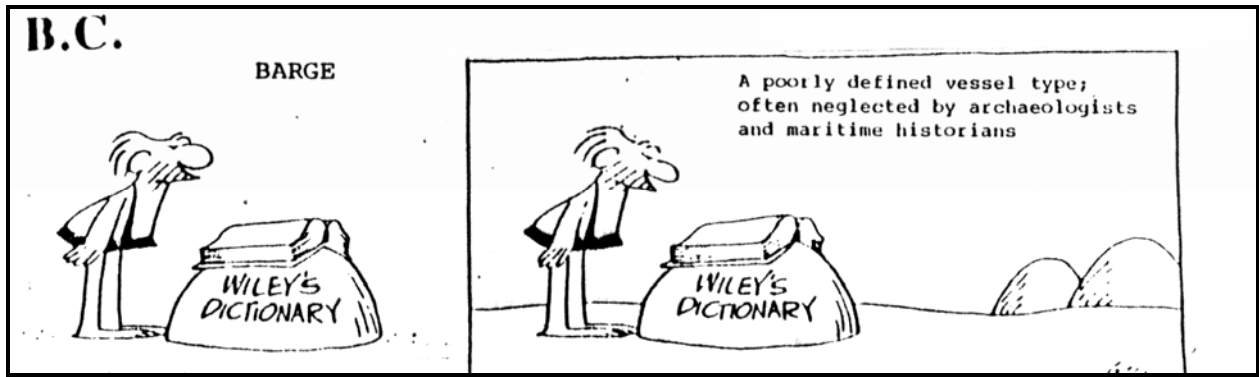
**Mark Wilde-Ramsing, Staff Archaeologist
North Carolina Underwater Archaeology Unit**

September 1989

Notes from the Seventh
North Carolina Maritime Workshop

TOPIC: **Barges**

HELD: **March 22, 1989**
At the North Carolina Maritime Museum
Beaufort, North Carolina



General Notes

Barges are numerous and should offer a good indication of industry on the river provided we can recognize the age and function of a given site

Historically, there does not appear to be consistency in terminology for the barge. Often the terms flat, scow, lighter and barge seem to be used indiscriminately. (Actually, after going through all the shipbuilding records in our files the term barge was used only once and that was for a steel barge in 1923.)

It was suggested that we might assign specific characteristics to each of them for our own typological clarification. For examples:

1. Flat – rectangular shaped
2. Barge – canal type
3. Scow – compartmentalized
4. Lighter – defined by function

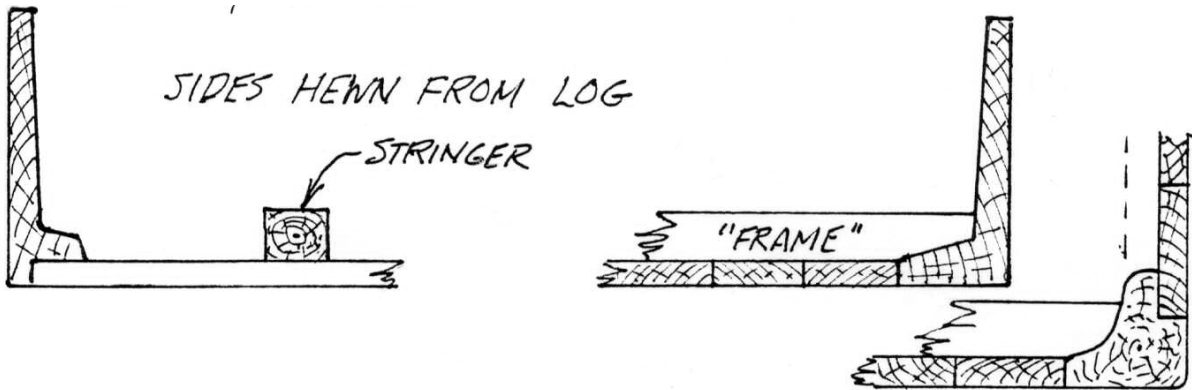
Documented Barge Sites (See attached inventory of 67 from UAU files)

1. 57 rectangular wood barges
 - a. 7 thoroughly documented
 - b. 29 basic measurements
 - c. 21 observed
2. 8 canal barges
 - a. 1 basic measurements
 - b. 7 observed
3. 2 other
 - a. 1 thoroughly documents
 - b. 1 basic measurement

FLATBOAT CONSTRUCTION

TRANSVERSE SECTIONS

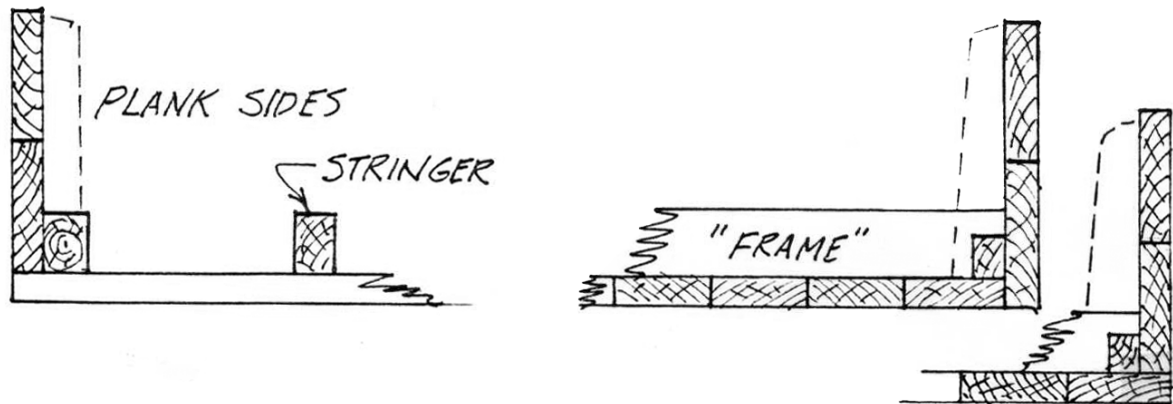
18TH and 19TH Century



Cross Planked

Fore and Aft Planked

19TH and 20TH Century



Cross Planked

Fore and Aft Planked

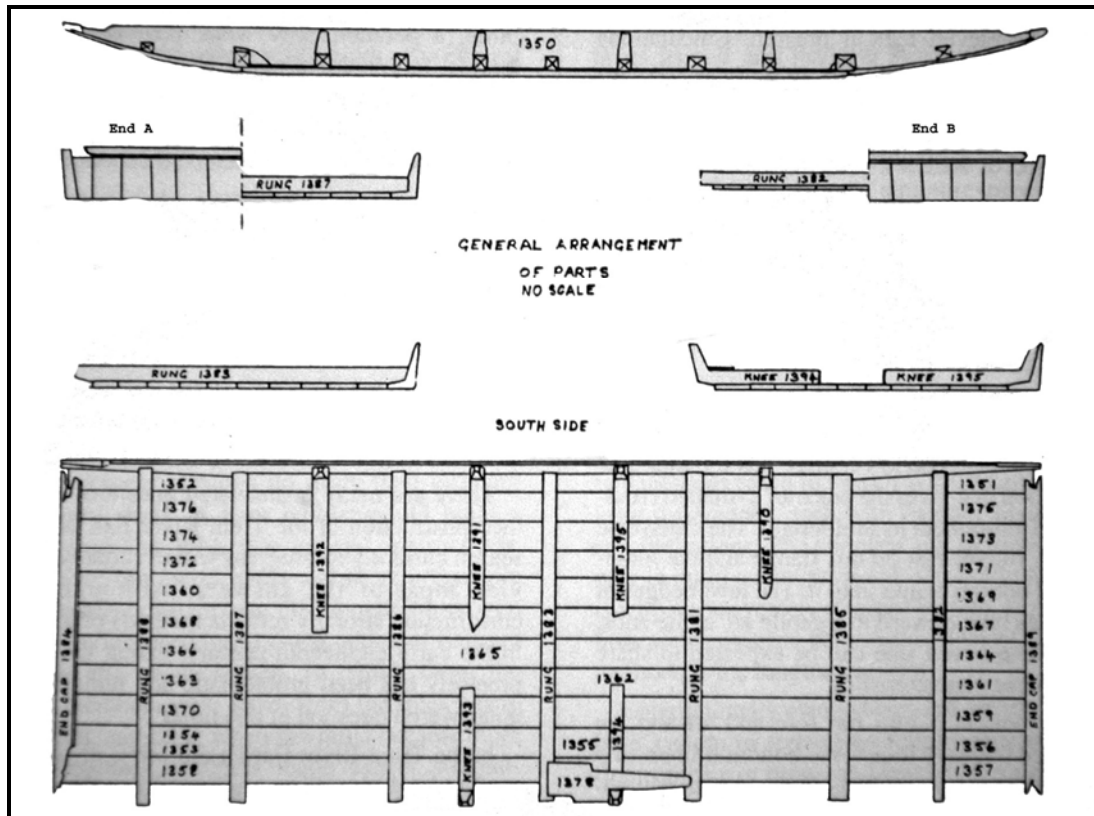
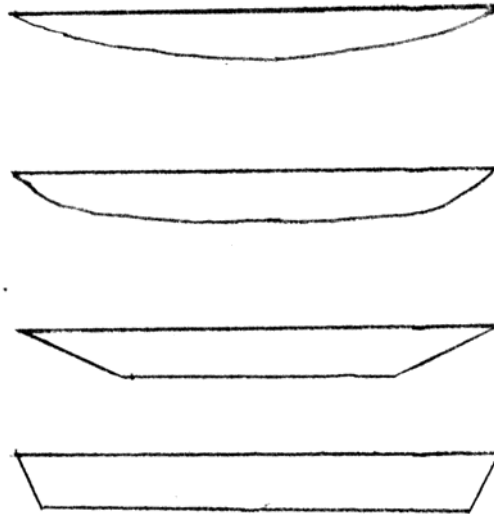
Drawings by Michael B. Alford
NC Maritime Museum

A Very General Chronological Guide to
BARGE SHAPES

oldest



most recent



Arnold Flat Site Plan, Site 005TNR

UNDERWATER ARCHAEOLOGY UNIT SITE FILES

BARGES

WOOD RECTANGULAR BARGES

* **R = raked end; P = Plumb End**

**Site Plan Completed

Number	L	B	D	Ends	Deck	Frame Patterns	Bulkhead Stringers	Use	Remarks
0004BKR	76' 6"	14' 6"	4'	(2) R		Edge Fastened	3 Athwartship Bulk.		Pine
0005BKR	61'	12' 2"	3' 4"	(2)R		Edge Fastened	3 Long Stringers		Juniper/Cypress
0008BKR	36' 4"	9' 3"				Edge Fastened			
0004CFR	72'	15'	4'	(2)R	Yes	Edge Fastened	1 Long Bulkhead		
0005CFR	84' 8"	24' 6"		(2)R			4 Compartments	Hopper Barge	Abandoned Prior to 1924
0007CFR	133' 6"	32' 6"		(2) R			5 Compartments	Hopper Barge	Abandoned Prior to 1924
0008CFR				P&R	Yes	Plank on Frame			
0009CFR	60'	20'		P&R	Yes	Plank on Frame	3 Long. Bulkheads	Steam Crane	
0020CFR	@45'	@15'		R	Yes	Edge Fastened	3 Athwartship Bulk.		Double Order Planking
0024CFR	35'	17'		(2)R			2 Athwartship Bulk.		Light Construction
0025CFR	21'	7'					2 Athwartship Bulk.		Heavy Construction
0026CFR	75'	32'					4 Athwartship Bulk		Heavy Construction Double Outer Plank, Abandoned prior to 1924 photo
0031CFR	55'	17'		(2)R	Yes	Edge Fastened			
0032CFR	54'	19'		(2)R	Yes				
0039CFR	68'	20'		R		Plank on Frame	4 Athwartship Bulk		
0040CFR	75'	24'		(2)R		Edge Fastened			
0042CFR	60'	20'		P&R		Plank on Frame	3 Long. Bulkhead	Steam Crane	
0044CFR	80'			P&R					
0047CFR	OBSERVED			(2)R					
0048CCFR	OBSERVED			(2)R					
0056CFR	OBSERVED								
0057CFR	OBSERVED								
0063CFR	OBSERVED				Yes				
0001BWR**	62'	10'	4'	(2)R	No	Edge Fastened	6 Long Stringers		Near Rice Mill
0068CFR					Yes	Edge Fastened	1 Long. Bulkhead		

Number	L	B	D	Ends	Deck	Frame Patterns	Bulkhead Stringers	Use	Remarks
0003CWR	18' 4"	7'	2' 4"	(2)R	Yes				
0004CWR	74'	20'	3' 6"	R&P	Yes		5 Long. Bulkheads		Corner Reinforces with Horizontal Iron Strap
0007MER	OBSERVED								
0001NER	13'	8'	2' 6"	(2)P	Yes			Pile Driving	Work Platform Sloped Sides
0004NER	40'	11'	3'	R&P		Edge Fastened	6 Long. Stringers		Dock Stanchions in Rear
0014NER	OBSERVED								
0021NER	OBSERVED								
0029NER	30'	9'	1'9"	(2)R		Edge Fastened			
0034NER	100'	20'				Edge Fastened	Long Stringers		
0009NUR**	60'	15' 3"				Plank on Frame	5 Long Stringers		
0013PMR	OBSERVED					Edge Fastened			
0010PQR	OBSERVED					Edge Fastened			
0011PQR	OBSERVED					Edge Fastened			
0012PQR	OBSERVED					Edge Fastened			
0013PQR	OBSERVED					Edge Fastened			
0014PQR	OBSERVED					Edge Fastened			
0015PQR	OBSERVED					Edge Fastened			
0016PQR	OBSERVED					Plank on Frame			
0017PQR	OBSERVED						Compartmentalized	Hopper	
0018PQR	OBSERVED						3 Long. Bulkheads		Deck House & Asphalt Deck
0019PQR	OBSERVED								
0029PQR**	110'	27'		(2)R		Plank on Frame	4 Long Stringers		Rounded corners Heavy Const.
0009PEB	OBSERVED								
0001PRR	60'	20'	8'	(2)R	Yes	Edge Fastened			
0004ROR	79'5"	24'7"	6' 3"		Yes				
0005ROR	110'	33'	8'		Yes	Hanging & Ldging knees; dbl & trpl deck beams		Atlas Plywood Co. 1940's; Abandoned in the 1950's	Heavy Construction

Number	L	B	D	Ends	Deck	Frame Patterns	Bulkhead Stringers	Use	Remarks
0001SAR	24'	7' 7"	1'4"	(2)R			2 Long. Bulkheads		Light Construction
0002SSB	OBSERVED								
0005TNR**	30'	10'	2'	(2)R		Split Log	Athwartship Stringer		
0001YDR**	>23'4"	9'10"	1'3 »				1 Long. Stringer	Ferry	
0010NER**	38'2 1/2"	9'9 3/4"	3'	(2)R		Edge Fastened	2 Long. Stringers	Ferry	
0011NER**	38'8 1/4"	10'	2'3"	(2)R		Edge Fastened	2 Long Stringers	Ferry	
<u>CANAL BARGE</u>									
0023CFR	150'	23'3"				Plank on Frame	Pointed bow – Round Stern		Canted Deck Beams
0002PQR	OBSERVED								
0003PQR	OBSERVED								
0004PQR	OBSERVED								
0005PQR	OBSERVED								
0007PQR	OBSERVED								
0008PQR	OBSERVED								
0027PQR	OBSERVED								
<u>OTHER</u>									
0060NER	60'	14'6"	3'			Plank on Frame			Pointed Bow – Rd. Stern – Large Towing bit in bow; no machinery
0058CFR**	>30'	9'	2'8"			Plank on Frame			Flat Bottom – Pointed Bow – Open hull with small fore deck

