THE ROYAL GUNPOWDER FACTORY

WALTHAM ABBEY

The Barges



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NUMBER OLD SERIES RCHME NUMBER N.G.R. 101 IL 37535 01972 NAME/FUNCTION START DATE END DATE DF4 PUS IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP IF ORD FMP CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES IF ORD FMP PHOTOGRAPHY PHOTOGRAPHY RCHME HISTORIC PHOTOGRAPHY RCHME NORCHTON PHOTOGRAPHY RCHME PHOTOGRAPHY PHOTOGRAPHY RCHME HISTORIC PHOTOGRAPHY RCHME PHOTOGRAPHY PHOTOGRAPHY RCHME PHOTOGRAPHY PHOTOGRAPHY RCHME PHOTOGRAPHY RCHME PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME PHOTOGRAPHY RCHME PHOTOGRAPHY RELATIONSHIPS WITH OTHER MONUMENTS RESCRIPTION RELATIONSHIPS WITH OTHER MO	THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY						
Barge It ORD PP4 PLUS It ORD PP4 PLUS Image: It of P4 PLUS Image: Iteration of the period of the perio	NUMBI	ER	OLD SERIES				
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PHOTOGRAPHY HISTORIC PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1) RCHM101 206/I/17 01 Feb 1993 Barge from South West RCHM101 206/T/9 17 Mar 1993 Barge from West 2) BB92/26360 RCHM101 Barge adjacent to 76 view BB92/26364 Drawing of covered boat BB92/26364 Drawing of covered boat BB92/26458 WASC 901/205 Plan & Section of Swim ended barge WASC 901/121 Barreling Up/Heading house 29.1.1858 RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: CONDITION Pair DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE		RD FP4 PLUS	17				
HISTORIC RCHME 1) RCHM101 206/I/17 01 Feb 1993 Barge from South West RCHM101 206/T/9 17 Mar 1993 Barge from West 2) BB92/26160 RCHM101 Barge adjacent to 76 view BB92/26458 WASC 901/205 Plan & Section of Swim ended barge WASC 901/121 Barreling Up/Heading house 29.1.1858 RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: CONDITION DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE 3) POWER SOURCE	CARTO	GRAPHIC DEPIC	ΠΟΝ		DOCUMENTARY RE	EFEREN	NCES
ASSOCIATED WITH: CONDITION Fair DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE Timber 3) POWER SOURCE					RCHME 1) RCHM101 206/I/1 West RCHM101 206/T/9 from West 2) BB92/26160 RCH BB92/26364 Drawing BB92/26458 WASC 9 ended barge WASC 901/12	9 17 Ma M101 B of cove 01/205	ar 1993 Barge from West arge adjacent to 76 view ered boat Plan & Section of Swim
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE Timber 3) POWER SOURCE			OTHER MONUMENTS				
 CONSTRUCTIONAL MATERIAL Timber ROOF MATERIALS AND STRUCTURE Timber POWER SOURCE 	CONDI	FION Fair					
Timber 3) POWER SOURCE		1) CONSTRUCTIONAL MATERIAL					
	2)						
	3)						
4) DIMENSIONS i) L 8.2m ii) W 2m iii) HT 1.85m	4)	DIMENSIONS i) L 8.2m ii) W 2m iii) HT 1.85m					
 5) The barge is carvel built with copper nails it has a flat bottom. The central section of the barge is covere a barrel shaped superstructure, partly retaining its canvas and hide covering. It was entered through doo fitted with brass furniture from either end. Explosives were loaded into barge through central openings o either side of the barge. Historic artefacts - Any metal fitting and a representative sample of copper nails. 	5)						

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY						
NUMBER		OLD SERIES		RCHME NUMBER 104	N.G.R. TL 37607 01883	
NAME/FU Barge	NCTION			START DATE	END DATE	
	LFORD FP4 PLUS 4 0 0 2 ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF ILFORD FF					
CARTOGR	RAPHIC DEPIC	FION		DOCUMENTARY REFERE	NCES	
PHOTOGR HISTORIC				 PHOTOGRAPHY RCHME 1) 206/H/25 02 Feb 1993 Barge from South 206/H/26 02 Feb 1993 Barge from South East 206/T/16 17 Mar 1993 Barge from South 2) BB92/26163 RCHM104 Barge view from South West BB92/26170 RCHM104 Barge & Bridge view from South East BB92/26180 RCHM104 Barge view from West (Colour) BB92/26181 RCHM104 (Colour) Barge & Bridge view from South East 		
RELATION	NSHIPS WITH C	THER MONUMENTS				
ASSOCIAT	ED WITH:					
CONDITIO						
1) C	ESCRIPTION CONSTRUCTIONAL MATERIAL Timber					
/	ROOF MATERIALS AND STRUCTURE Timber					
/	POWER SOURCE Muscle					
4) D	DIMENSIONS i) L 10.5m ii) W 2.62m iii) HT 2m					
b	The barge is carvel built with copper nails, it has a flat bottom. The central section of the barge is covered by a barrel shaped superstructure, entered through doors fitted with brass furniture from either end. Explosives were loaded into barge through central opening on either side of the barge					
н	Historic artefacts - Any metal fittings and a representative sample of copper nails.					

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMB	ER OLD SERIES	RCHME NUMBER 121	N.G.R. TL 37784 01104		
	FUNCTION ended barge	START DATE	END DATE		
		► 23A			
CARTO	CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES				
	PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1) 206/J/13 4 Mar 1993 From South West 206/Q/24 16 Mar 1993 Swim ended barge from North East				
	IONSHIPS WITH OTHER MONUMENTS				
CONDI	FION Fair				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber					
2)	ROOF MATERIALS AND STRUCTURE				
3)	POWER SOURCE Muscle				
4)	DIMENSIONS i) L 6.15m ii) W 2.5m iii) HT 0.8n	1			
5)	The swim ended barge is carvel built with brass nails and survives to gunwale height. The bottom of the swim ended barge is reinforced with angle irons and metal sheet over a thick ?felt.				
	Historic artefacts - any metal fittings and a sample of nail types				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY				
NUMBER OLD SERIES	RCHME NUMBER 125	N.G.R. TL 37715 00997		
NAME/FUNCTION Swim ended barge	START DATE	END DATE		
CARTOGRAPHIC DEPICTION	DOCUMENTARY REFEREN	NCES		
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME 1) 206/J/17 4 Mar 1993 Swim ended barge from South West 206/L/10 09 Mar 1993 Swim ended barge from South 2) BB92/26216 RCHM 125 Swim ended barge view from South West.			
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:				
CONDITION Fair				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE - - 3) POWER SOURCE Muscle 4) DIMENSIONS i) L 6.78m ii) W 2.2m iii) HT 0.75m 5) The swim ended barge is carvel built with brass nails and survives to gunwale height. The bottom of the swim ended barge is reinforced with angle irons and metal sheet. Historic artefacts - any metal fittings and a sample of copper nail types.				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBER OLD SERIES	RCHME NUMBER N.G.R. 157 TL 37636 01487				
NAME/FUNCTION Swim ended barge	START DATE	END DATE			
NO PHOTOGRAPHY AVAILABLE					
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES					
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1) BB92/26222 View from South East					
RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH: RCHM 158, RCHM 159, RCHM 160					
CONDITION Poor					
 DESCRIPTION CONSTRUCTIONAL MATERIAL Timber ROOF MATERIALS AND STRUCTURE - POWER SOURCE Muscle DIMENSIONS i) L 8.6m ii) W - iii) HT - 5) The swim ended barge lies submerged up to its gunwales in a derelict canal. The swim ended barge is carvel built with copper nails, part of its barrel shaped roof remains. Historic artefacts: Any metal fittings and a representative sample of copper nails. 					

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMB	ER OLD SERIES		rchme number 158	N.G.R. TL 37630 01495	
NAME/ Barge	FUNCTION		START DATE	END DATE	
	NO PHOTOGRAPHY AVAILABLE				
CARTC	CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES				
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME					
	IONSHIPS WITH OTHER MONUMENTS IATED WITH: RCHM 157, RCHM 159, RCHM	И 160			
CONDITION Poor					
DESCRIPTION 1)CONSTRUCTIONAL MATERIAL Timber2)ROOF MATERIALS AND STRUCTURE Timber3)POWER SOURCE Muscle4)DIMENSIONS i) L 9m ii) W - iii) HT -5)The barge lies submerged to its gunwales in a derelict canal. The barge is carvel built with copper nails and fittings. The barge was formerly covered by a barrel shaped roof the framing to which survives.Historic artefacts - Any metal fittings and a representative sample of copper nails.					

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBE	ER OLD SERI	ES	rchme number 159	N.G.R. TL 37627 01500	
NAME/I Barge	UNCTION		START DATE	END DATE	
NO PHOTOGRAPHY AVAILABLE					
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES				NCES	
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME					
	ONSHIPS WITH OTHER MONU ATED WITH: RCHM 157, RCHM				
CONDI	ION Poor				
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE Timber					
3)					
4)	DIMENSIONS i) L 9m ii) W - iii) HT -				
5)	DIMENSIONS 1) L 9m in) W - in) H1 - The barge lies submerged up to its gunwales in a derelict canal. The barge is carvel bulit with copper nails. It was formerly covered by a barrel shaped roof of which only the southern door panel survives above water. Historic artefacts - Any metal fittings and a representative sample of copper nails.				

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY						
NUMB	ER OLD SERIES	rchme number 160	N.G.R. TL 37625 01507			
NAME/ Barge	FUNCTION	START DATE	END DATE			
	NO PHOTOGRAPHY AVAILABLE					
CARTO	GRAPHIC DEPICTION	DOCUMENTARY REFEREN	NCES			
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME						
	IONSHIPS WITH OTHER MONUMENTS ATED WITH: RCHM 157, RCHM 158, RCHM 159					
CONDI	TION Poor					
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber						
2)	ROOF MATERIALS AND STRUCTURE Timber					
3)	POWER SOURCE Muscle					
4)	DIMENSIONS i) L 10 ii) W - iii) HT -					
5)	The barge lies submerged up to its gunwales in a derelict canal. The barge is carvel built with copper nails. Part of the barrel shaped roof remains in place.					

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY						
NUMBI	NUMBER OLD SERIES RCHME NUMBER N.G.R. 169 TL37433 01645					
NAME/I Barge	FUNCTION	START DATE	END DATE			
	VC VC VC VC VC VC VC VC VC VC VC VC VC V					
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES			NCES			
PHOTOGRAPHY HISTORIC PHOTOGRAPHY RCHME 1)206/F/14 From West						
	RELATIONSHIPS WITH OTHER MONUMENTS ASSOCIATED WITH:					
CONDI	ION Poor					
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber 2) ROOF MATERIALS AND STRUCTURE Formerly timber						
3)	POWER SOURCE Muscle					
4) 5)	DIMENSIONS i) L ii) W iii) HT					

THE ROY	AL GUNPOWDER FACTORY	- WALTHAM ABBEY	,			
NUMBER	BER OLD SERIES RCHME NUMBER N.G.R. 279					
NAME/FUNC Barge	FION	START DATE	END DATE			
NO PHOTOGRAPHY AVAILABLE						
CARTOGRAP	HIC DEPICTION	DOCUMENTARY REFEREN	NCES			
PHOTOGRAPHY HISTORIC WASC 916 Powder boat & explosives truck 12.12.1967 WASC 919 Powder boat 12.9.1967 WASC 1072 Powder boat on north site collection of photos WASC 1075 Powder boat RGPF 1975 x14 taken near tele exch WASC 1076 Powder boat RGPF 1063 taken prior to restoration at ERDE in 1963 WASC 1077 Powder boat 12 prints as 1072 WASC 1078 Powder boat 12 prints as 1072 WASC 1078 Powder boat WASC 1078 Powder boat 12 prints as 1072 WASC 1078 Powder boat WASC 1078 Powder boat WASC 1078 Powder boat WASC 1078 Powder boat WASC 1078 Powder boat 12 prints as 1072 WASC 1078 Powder boat WASC 1078 Powder boat WASC 1078 Powder boat WASC 1078 Powder boat WASC 1079 Powder boat WASC 1078 Powder boat WASC 1078 Powder boat WASC 1079 Powder boat WASC 1082/1/2 Powder boat WASC 1524/3 Powder boat G 12007/1 Barge on north site 12.09.1967 G 12007/2 Barge on north site 12.09.1967						
RELATIONSH ASSOCIATED	IPS WITH OTHER MONUMENTS WITH:					
CONDITION	GOOD					
DESCRIPTION 1) CONSTRUCTIONAL MATERIAL Timber						
/	ROOF MATERIALS AND STRUCTURE Timber					
-/	POWER SOURCE Muscle					
4) DIM	DIMENSIONS i) L - ii) W - iii) HT -					
5) This powder barge was restored around 1964 from which time it was displayed moored in the canal near the lecture theatre. It has subsequently been removed to Fort Halstead where it survives in the open, but covered by tarpaulins and plastic sheets.						

THE ROYAL GUNPOWDER FACTORY - WALTHAM ABBEY					
NUMBER OLD SERIES	RCHME NUMBER 337	N.G.R. TL 37718 00868			
NAME/FUNCTION Barge	START DATE	END DATE			
NO PHOTOGRAPHY AVAILABLE					
CARTOGRAPHIC DEPICTION DOCUMENTARY REFERENCES					
PHOTOGRAPHY HISTORIC	PHOTOGRAPHY RCHME				
RELATIONSHIPS WITH OTHER MONUMENTS Submerged in lower reaches of Millhead Stream RCHME 296					
CONDITION Unknown					
 DESCRIPTION 5) Personal communication from Mr Malcolm McLaren. Mr McLaren states that a river barge used to transport gunpowder on the River Lea to the Thames magazines lies submerged in Millhead Stream immediately south of the cast iron bridge RCHME 132 south of the lecture theatre. 					







MONUMENTS "ENGLAND