

The Purton Hulks

Phase 1 Report Findings



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1.1 Acknowledgement

1.2 The Reports

Report No 1 Jonadab

Report No 2 Envoy

Report No 3 Newark

Report No 4 F.C.B 76

Report No 5 Glenby

Report No 6 F.C.B.

Report No 7 F.C.B.

Report No 8 F.C.B

Report No 9 F.C.B.

Report No 10 Priory

Report No 11 F.C.B.

Report No 12 J. & A. R.

Report No 13 Barry

Report No 14 Petrus

Report No 15 Mary Ann

Report No 16 F.C.B. 52

Report No 17 Briton Ferry

Report No 18 Monarch

Report No 19 F.C.B. 75

Report No 20 Island Maid

Report No 21 Severn Collier

Report No 22 Rockby

Report No 23 Britannia

Report No 24 Catherine Ellen

Report No 25 Higre

Report No 26 Sally

Report No 27 Tirley

Report No 28 Guide

Report No 29 Abbey

Report No 30 Ada

Report No 31 Dispatch

Report No 32 Huntley

Report No 33 Sarah MacDonald

Report No 34 Edith

Report No 35 Dursley

Report No 36 Harriett

1.3 Findings

1.3.1 The Purton Hulks Current Flora & Fauna Designation

1.3.2 The Purton Hulks Significance

1.3.3 The Purton Hulks Risk Register

1.3.4 The Purton Hulks Coastal Geomorph

1.3.5 The Purton Hulks Historic Damage Report

1.3.6 The Purton Hulks Current Damage Report

1.3.7 The Purton Hulks Remaining Artefacts

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Chairman
Friends of Purton
1st March 2010*

1.3.1 The Purton Hulks Current Flora & Fauna Designation

1) The Severn Estuary Special Protection Area (SPA) designated under the EC Directive (79/409/EEC) on the Conservation of Wild Birds

2) The Severn Estuary possible Special Area of Conservation (pSAC) under the EC Directive (92/43/EEC) on the Conservation of Natural Habitats and of Wild Fauna and Flora

3) The Severn Estuary and Upper Severn Estuary Special Sites of Scientific Interest (SSSI)

4) The Severn Estuary Ramsar site designated under the Convention on Wetlands of International Importance (UK11081)

1.3.2 The Purton Hulks Significance

Six examples of only seven Gloucester dock lighters known to exist within the U.K.

Abbey	Fair condition
Barry	Poor condition
Dursley	Fair condition
Huntly	Fair condition
Newark	Poor condition
Tirley	unknown

The only example of Kennet wide beam canal barge remaining within the U.K.

Harriett	Fair condition
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Four examples of only six Stroudwater barges known to exist within the U.K.

Envoy	Poor condition
Glenby	Poor condition
Priory	unknown
Rockby	Poor condition

Only two remaining examples of an Up river 'Wich' Trow known to exist within the U.K.

Britannia	unknown
Mary Ann	unknown

Only three remaining examples of a Gloucester Trow exhibiting both open and boxed construction methods.

Higre	Poor condition
J. & A. R.	Poor condition
Monarch	Poor condition

Two of only three remaining examples of a Down river Trow known to exist within the U.K. The third being the Chepstow built Spray currently at Iron Bridge Museum.

Edith	Poor condition
Jonadab	Poor condition

Four examples of one off 'As built' ancillary work vessels

Briton Ferry	Poor condition
Forty Ton Flat	unknown
Petrus	Poor condition
Severn Collier	Poor condition

Six examples of ocean going Schooners the last known to exist as per each respective builder

Guide of Weymoth	unknown
Island Maid of Dartmouth	unknown
Sally of London	Poor condition
Catharine Ellen of Dungarvon	unknown
Dispatch of Garmouth	Poor condition
Sarah MacDonald of Perthshire	Poor condition

The only example of a Bristol built Dandy remaining within the U.K.

Ada of Bristol	Poor condition
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Seven of only thirty nine Stem head ferro concrete barge built within the U.K.

F.C.B. 52	Good condition
F.C.B. 67	Fair condition
F.C.B. 68	Fair condition
F.C.B. 75	Good condition
F.C.B. 76	Fair condition
F.C.B. 77	Fair condition
F.C.B. 78	Fair condition

1.3.3 The Purton Hulks Risk Register

10 vessels of the collection are deemed to be at immediate risk.

16 vessels of the collection are deemed to be at moderate risk.

10 vessels of the collection are deemed to be at unknown condition as buried.

6 Gloucester dock lighters

Abbey

moderate risk

Barry

immediate risk from erosion

Dursley

moderate risk

Huntly

moderate risk

Newark

unknown condition as buried

Tirley

unknown condition as buried

1 Kennet wide beam canal barge

Harriett

moderate risk

4 Stroudwater barges

Envoy

immediate risk from erosion

Glenby

immediate risk from erosion

Priory

unknown condition as buried

Rockby

moderate risk

2 Up river Trow

Britannia

unknown condition as buried

Mary Ann

unknown condition as buried

3 Gloucester Trow

Higre

moderate risk

J. & A. R.

immediate risk from erosion

Monarch

unknown condition as buried

2 Down river Trow

Edith

moderate risk

Jonadab

immediate risk from erosion

4 Ancillary vessels

Briton Ferry

moderate risk

Forty Ton Flat

unknown condition as buried

Petrus

immediate risk from erosion

Severn Collier

moderate risk

6 Schooners

Guide of Weymoth

Island Maid of Dartmouth

Sally of London

Catharine Ellen of Dungarvon

Dispatch of Garmouth

Sarah MacDonald of Perthshire

unknown condition as buried

unknown condition as buried

immediate risk from collapse

unknown condition as buried

immediate risk from collapse

immediate risk from collapse

1 Dandy

Ada of Bristol

moderate risk

7 Stem head ferro concrete barge

F.C.B. 52

immediate risk from sinking

F.C.B. 67

moderate risk

F.C.B. 68

moderate risk

F.C.B. 75

moderate risk

F.C.B. 76

moderate risk

F.C.B. 77

moderate risk

F.C.B. 78

moderate risk

1.3.4. The Purton Hulks Coastal Geomorph

6 vessels of the collection are deemed to be at immediate risk from erosion.
22 vessels of the collection are deemed to be in a region of uniform deposition
7 vessels of the collection are deemed to be in region of consolidated fill.
1 vessel has been removed from site and therefore not applicable.

6 Gloucester dock lighters

Abbey	region of uniform deposition
Barry	immediate risk from erosion
Dursley	region of uniform deposition
Huntly	region of uniform deposition
Newark	region of uniform deposition
Tirley	region of uniform deposition

1 Kennet wide beam canal barge

Harriett	region of uniform deposition
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4 Stroudwater barges

Envoy	immediate risk from erosion
Glenby	immediate risk from erosion
Priory	consolidated fill
Rockby	region of uniform deposition

2 Up river Trow

Britannia	region of uniform deposition
Mary Ann	region of uniform deposition

3 Gloucester Trow

Higre	region of uniform deposition
J. & A. R.	immediate risk from erosion
Monarch	region of uniform deposition

2 Down river Trow

Edith	region of uniform deposition
Jonadab	immediate risk from erosion

4 Ancillary vessels

Briton Ferry	region of uniform deposition
Forty Ton Flat	consolidated fill
Petrus	immediate risk from erosion
Severn Collier	region of uniform deposition

6 Schooners

Guide of Weymoth
Island Maid of Dartmouth
Sally of London
Catharine Ellen of Dungarvon
Dispatch of Garmouth
Sarah MacDonald of Perthshire

region of uniform deposition
region of uniform deposition
region of uniform deposition
region of uniform deposition
region of uniform deposition
region of uniform deposition

1 Dandy

Ada of Bristol

region of uniform deposition

7 Stem head ferro concrete barge

F.C.B. 52
F.C.B. 67
F.C.B. 68
F.C.B. 75
F.C.B. 76
F.C.B. 77
F.C.B. 78

Not applicable
consolidated fill and scour
consolidated fill and scour
region of uniform deposition
consolidated fill and scour
consolidated fill and scour
consolidated fill and scour

1.3.5 The Purton Hulks Historic Damage Report

14 vessels of the collection have experienced mass timber and iron salvage.

12 vessels of the collection have experienced mass destruction by arson.

5 vessels of the collection present no data due to complete interment.

4 vessels of the collection have experienced mass destruction by erosion.

1 vessel has been removed from site and therefore not applicable.

6 Gloucester dock lighters

Abbey	30% destroyed by arson
Barry	70% destroyed by erosion
Dursley	50% destroyed by arson
Huntly	70% removed by timber salvage
Newark	70% removed by timber salvage
Tirley	unknown damage via J.C.B

1 Kennet wide beam canal barge

Harriett	30% removed by timber salvage
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4 Stroudwater barges

Envoy	40% destroyed by erosion
Glenby	60% destroyed by erosion
Priory	unknown due to consolidated fill
Rockby	30% removed by timber salvage

2 Up river Trow

Britannia	70% destroyed by arson
Mary Ann	unknown due to deposition

3 Gloucester Trow

Higre	70% removed by timber salvage
J. & A. R.	30% removed by timber salvage
Monarch	80% removed by timber salvage

2 Down river Trow

Edith	80% destroyed by arson
Jonadab	unknown monitoring ongoing

4 Ancillary vessels

Briton Ferry	50% removed by timber salvage
Forty Ton Flat	unknown due to consolidated fill
Petrus	75% destroyed by erosion
Severn Collier	40% destroyed by arson

6 Schooners

Guide of Weymoth	80% destroyed by arson
Island Maid of Dartmouth	80% destroyed by arson
Sally of London	70% destroyed by arson
Catharine Ellen of Dungarvon	80% destroyed by arson
Dispatch of Garmouth	50% destroyed by arson
Sarah MacDonald of Perthshire	70% destroyed by arson

1 Dandy

Ada of Bristol	80% destroyed by arson
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7 Stem head ferro concrete barge

F.C.B. 52	Not applicable
F.C.B. 67	70% timber and iron recovery
F.C.B. 68	70% timber and iron recovery
F.C.B. 75	70% timber and iron recovery
F.C.B. 76	70% timber and iron recovery
F.C.B. 77	70% timber and iron recovery
F.C.B. 78	70% timber and iron recovery

1.3.6. The Purton Hulks Current Damage Report

5 vessels of the collection are experiencing damage by climbing.
7 vessels of the collection are experiencing damage by trophy removal.
6 vessels of the collection are experiencing damage by timber removal.
7 vessels of the collection are experiencing unknown damage by interment.
9 vessels of the collection are experiencing damage through natural decay.
2 vessels of the collection were damaged by graffiti, now removed.
1 vessel has been removed from site and therefore not applicable.

6 Gloucester dock lighters

Abbey	Trophy hunting
Barry	Erosion
Dursley	Timber removal
Huntly	Timber removal
Newark	Natural decay
Tirley	unknown

1 Kennet wide beam canal barge

Harriett	Natural decay
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4 Stroudwater barges

Envoy	Erosion
Glenby	Erosion
Priory	unknown
Rockby	Timber removal

2 Up river Trow

Britannia	unknown
Mary Ann	unknown

3 Gloucester Trow

Higre	Timber removal
J. & A. R.	Timber removal
Monarch	unknown

2 Down river Trow

Edith	Trophy hunting
Jonadab	unknown

4 Ancillary vessels

Briton Ferry	Trophy hunting
Forty Ton Flat	unknown
Petrus	Erosion
Severn Collier	Trophy hunting & graffiti

6 Schooners

Guide of Weymoth	Natural decay
Island Maid of Dartmouth	Natural decay
Sally of London	Trophy hunting
Catharine Ellen of Dungarvon	Natural decay
Dispatch of Garmouth	Trophy hunting
Sarah MacDonald of Perthshire	Timber removal

1 Dandy

Ada of Bristol	Trophy hunting
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7 Stem head ferro concrete barge

F.C.B. 52	Not applicable
F.C.B. 67	Climbing
F.C.B. 68	Climbing
F.C.B. 75	Graffiti
F.C.B. 76	Climbing
F.C.B. 77	Climbing
F.C.B. 78	Climbing

1.3.7 The Purton Hulks Remaining Artefacts

12 Vessels with < 10% of visible archaeology remaining.

11 Vessels with < 35 of visible archaeology remaining.

13 Vessels with < 70% of visible archaeology remaining.

6 Gloucester dock lighters

Abbey	> 60% above ground
Barry	> 2% above ground
Dursley	> 50% above ground
Huntly	> 30% above ground
Newark	> 5% above ground
Tirley	> 0% above ground

1 Kennet wide beam canal barge

Harriett	> 50% above ground
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4 Stroudwater barges

Envoy	> 10% above ground
Glenby	> 2% above ground
Priory	> 0% above ground
Rockby	> 20% above ground

2 Up river Trow

Britannia	> 2% above ground
Mary Ann	> 0% above ground

3 Gloucester Trow

Higre	> 25% above ground
J. & A. R.	> 25% above ground
Monarch	> 1% above ground

2 Down river Trow

Edith	> 20% above ground
Jonadab	> 25% above ground

4 Ancillary vessels

Briton Ferry	> 50% above ground
Forty Ton Flat	> 0% above ground
Petrus	> 20% above ground
Severn Collier	> 60% above ground

6 Schooners

Guide of Weymoth	> 2% above ground
Island Maid of Dartmouth	> 1% above ground
Sally of London	> 35% above ground
Catharine Ellen of Dungarvon	> 1% above ground
Dispatch of Garmouth	> 50% above ground
Sarah MacDonald of Perthshire	> 30% above ground

1 Dandy

Ada of Bristol	> 20% above ground
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7 Stem head ferro concrete barge

F.C.B. 52	> 100% above ground
F.C.B. 67	> 70% above ground
F.C.B. 68	> 60% above ground
F.C.B. 75	> 90% above ground
F.C.B. 76	> 70% above ground
F.C.B. 77	> 70% above ground
F.C.B. 78	> 70% above ground