

**Welsh Wreck Web Research Project
(North Cardigan Bay)
On-line research into the Sinking of:
SS Boscawen (Steamship)**



**1909 Cargo Steamship built by Craig, Taylor & Co Ltd,
Stockton-on-Tees**

**Report compiled by:
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1.0 Abstract

Since 2001 the Malvern Archaeological Diving Unit (MADU) has developed a database of vessels known to have wrecked around the coast of Wales.

This project is to discover information relating to the history of the steamship SS Boscawen built at Craig, Taylor & Co Ltd, Stockton-on-Tees in 1909.

On Aug 21 1918, SS Boscawen was torpedoed 23 miles WNW of Bardsey Island by the German U-boat UB-92. The crew abandoned and the SS Boscawen sunk. 1 crew member was killed during the attack.

The research has been conducted from information gathered from MADU and on-line sites as I do not reside in the U.K.

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2.4 Contributors

Ian Cundy MADU Archaeological Diving Unit,
Nautical Archaeology Society (Regional co-ordinator for Wales)

2.5 Abbreviations

MADU	Malvern Archaeological Diving Unit
MNL	Mercantile Navy List
LR	Lloyds' Registry

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3.0 Introduction

The steamship SS Boscawen was chosen as:

- it covered a period of sea history covering WW1.
- it was a similar ship and time to other ships I had researched from the MADU Wreck list.
- I live overseas online information would be my priority research tool and similar to my previous research a ship from this period should be reasonably well documented online.

The following topics form the basis of the research:

- What were the vessel's specifications?
- What historical information is available relating to the vessel?
- Has any salvage, etc. been carried out?
- Have there been any previous reports produced relating to the vessel?

4.0 Background

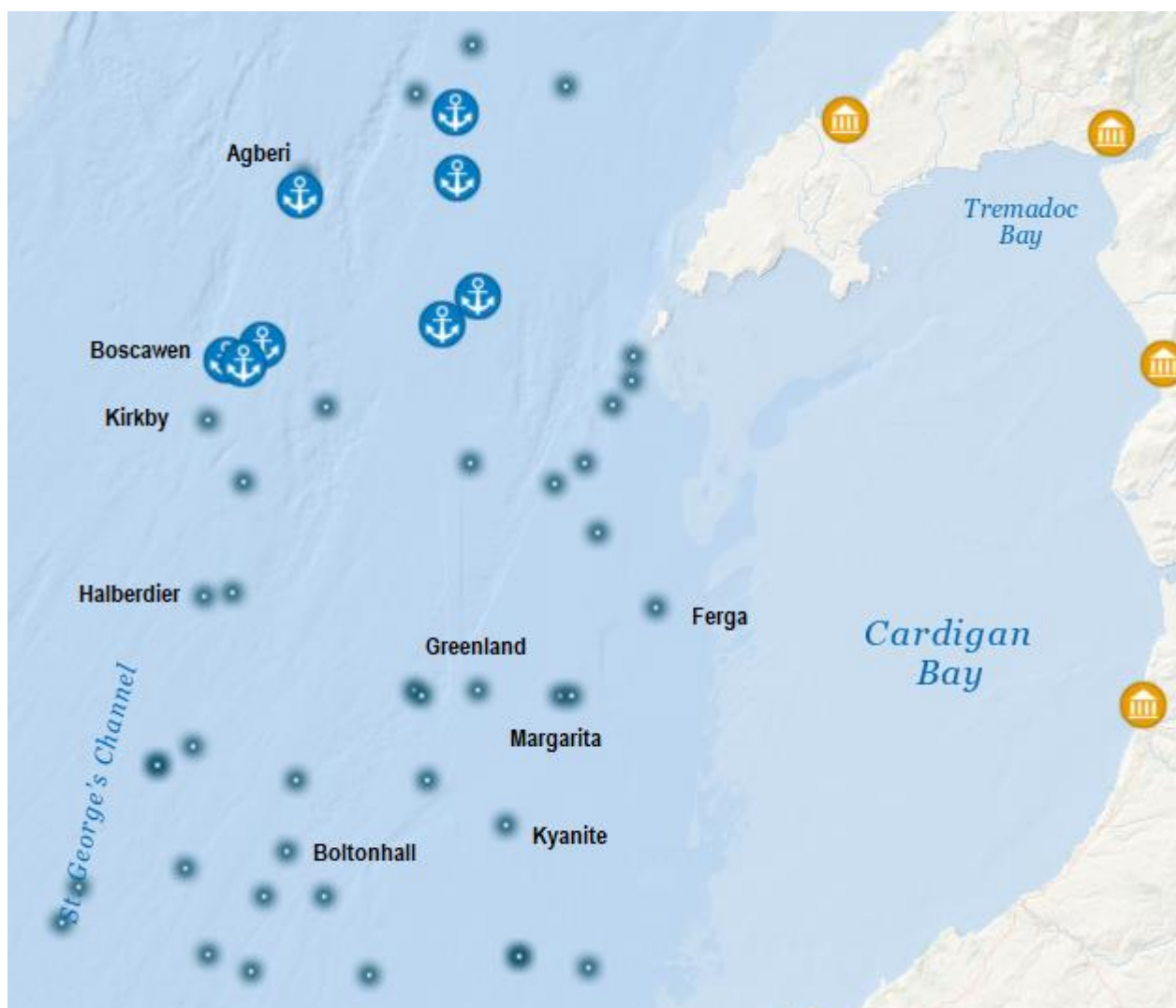
Prior to starting this research the only known data available to me was from the MADU Master Wrecksite Database Listing (Table 1) supplied by Mr Ian Cundy.

Table 1: Extract from MADU Master Wrecksite Database

MADU Ref. No.	Date Wrecked	Name	Location 1	Location 2	Details	Vessel Type	Matls	Ref.
	21/08/1918	Boscawen	Off Bardsey Island	23mi, WNW		Stm	Stl	RHIW / COF

On Aug 21 1918, the SS Boscawen sailing from Birkenhead to Barry Wales in ballast was torpedoed by U-boat UB-92 24 miles WNW of Bardsey Island. The SS Boscawen sank with the death of 1 crew member.

Fig 1: Reported Location of the Sinking of the SS Boscawen



5.0 Research Methodology

Computer System

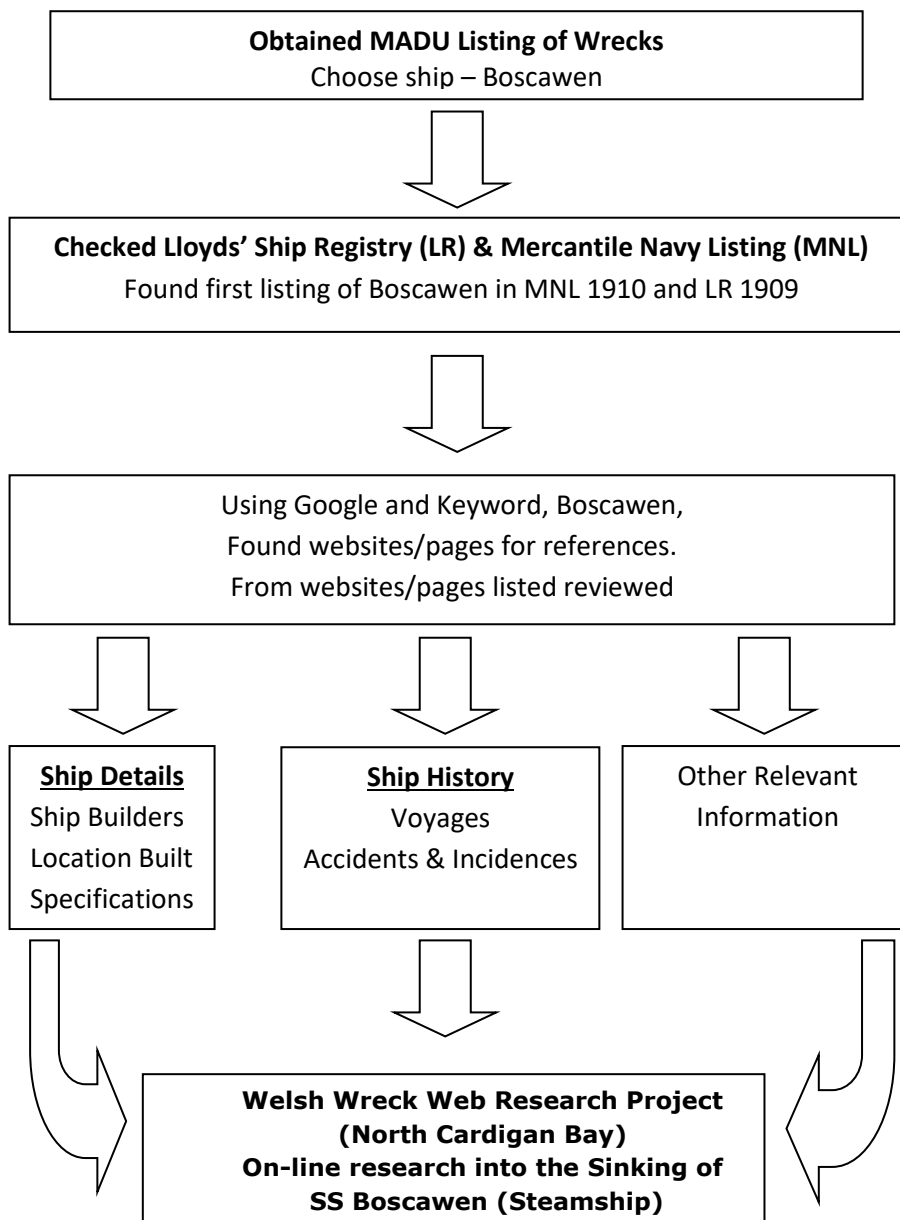
Acer Desktop 64 bit OS; 8 GB Memory, wireless connection.

Windows 10Pro

Microsoft Office 2007

Search engines used: Google Chrome

Methodology



See Section 9 for list of websites viewed

6.0 Results

Table 2: SS Boscawen (Steamship) Specification and History

Vessel	Name/s	SS Boscawen		
	Type	Steamship		
		General Cargo		
Built	Date	Laid Down: N/A		
		Launched: 06/04/1909		
		Delivered: 01/05/1909		
	Builder	Craig, Taylor & Co Ltd		
		Stockton-on-Tees. Yard#: 133		
Construction	Materials	Steel		
	Decks	1		
	Bulkheads	4		
	Others	p/deck 28ft, b/deck 85ft, f/castle 30ft		
Propulsion	Type	Steam		
		Single screw		
Engine	Details	T3cyl		
		21.5, 36, 59 x 39in, 180lb		
		H.P: 239 nhp		
		North Eastern Marine Engineering Co. Ltd.		
	Boilers	2 steel boiler; 6cf GS 90; HS 3722		
Drive	Type	Propeller		
	Number	1		
Dimensions	Length	279 ft	0 ins	m
	Beam	40 ft	8 ins	m
	Draught	18 ft	3 ins	m
Tonnage	Gross	1936 grt		
	Net	1174 nrt		
	Deadweight	3000 dwt		
Owner	First	The Cornish Shipping Company Ltd, Cardiff		
Registry	Port	Cardiff; 01/05/1909		
	Flag	GBR		
	Number	128492		
	Code	H.N.W.P.		
History	Routes	U.K, Mediterranean, Europe		
	Cargo	Coal, grains, raw materials		
Final Voyage	From	Birkenhead		
	To	Barry, Wales		
	Captain	N/A		
	Crew	N/A		
	Passengers	0		
	Cargo	Ballast		
	Date	21/08/1918		
	Location	52 46N, 05 24W, 23 miles WNW of Bardsey Island		
	Cause	Torpedoed by U-boat UB-92		
	Loss of life	1		
	Outcome	Sunk. The wreck was relocated by HMS BEAGLE in July 1982.		

7.0 Analysis

- The steamship SS Boscawen was built and launched (Appendix A) at Craig, Taylor & Co Ltd, Stockton-on Tees in 1909 for The Cornish Shipping Company Ltd, Cardiff (Appendix B, C, D).
- SS Boscawen conducted voyages between the U.K, Mediterranean and Europe. Cargoes carried were varied including coal, raw materials and probably grains.
- Aug 21 1918, while sailing from Birkenhead to Barry Wales in ballast, the SS Boscawen was torpedoed 23 miles WNS of Bardsey Island without warning and sunk by the U-boat UB-92 (Appendix H, I). 1 crew member was killed in the attack.
- The remaining crew members landed safely.
- The wreck was located by HMS BEAGLE in July 1982. The ship was included in the multi-beam surveys undertaken by Bangor University in 2018, as part of the Royal Commission's HLF funded Partnership Project - 'Commemorating the Forgotten U-Boat War around the Welsh Coast 1914-18'.
- This wreck, believed to be the BOSCAWEN, is broken up but retains a height of 6m above the general level of the seabed. It lies with its keel orientated 000/180 degrees and has a length of approximately 60m. There is an additional area of wreckage 150m to the south, standing 10m high.

From newspapers the SS Boscawen was recorded:

1909

Apr 12: Launched at Stockton-on-Tees.
 Apr 24: Arrived Middlesbrough from Sunderland.
 May 19: Conducted sea trials (Appendix E).
 May 20-23: Sailed Middlesbrough for Cardiff.
 May 21: New Company formed for the acquisition of the Boscawen (Appendix F).
 Jun 03: Sailed Portsmouth for Cardiff.
 Jun 06: pass Prawle Point Devon.
 Jul 09-10: Collided with H.M Ships Euryalus and Highlander in Bantry Bay. The Boscawen was sailing from Cardiff to Bantry Bay with a cargo of coal.
 Jul 14: Arrived Cardiff from Bantry Bay with port bow and side damaged.
 Jul 31: Boatswain was killed while loading coal in Cardiff (Appendix G).
 Aug 02: Passed east of Beachy Head from Cardiff.
 Aug 15-30: Anchored off No Man's Fort Spithead Portsmouth.
 Aug 31-Sep 13: Sailed Portsmouth - Cardiff - Portsmouth - Cardiff.
 Sep 15-24: Sailed Swansea for Benisaf Algeria via Civita Vecchia Italy.
 Oct 13-29: Sailed Benisaf Algeria for Newport Wales.
 Nov 06-Dec 21: Sailed Barry - Mediterranean - Cardiff.
 Nov 13: passed east of Gibraltar.
 Nov 18: arr Malta.
 Nov 21: arr Tunis.
 Nov 25-29: arr/dep Bizerte Tunisia.
 Dec 10: arr Nantes France.

1910

Jan 20: Arrived Middlesbrough from Vivero Italy.
 Jan 28: Arrived Shields from Middlesbrough.
 Feb 03: Sailed Shields for Genoa Italy.
 Feb 23: Sailed Genoa Italy for Liverpool.
 Mar 24: Arrived London from Rosario Spain.
 Mar 26-30: Sailed London for Cardiff.
 Apr 01-10: Sailed Barry for Huelva Spain via Gibraltar.
 Apr 30: Arrived Barry Wales from Rotterdam.

May 06-26:	Sailed Newport Wales – Bordeaux – Barry Wales.
Jun 07-20:	Sailed Barry Wales for Seville via Gibraltar.
Jun 23-Jul 10:	Sailed Seville – Dunkirk – Barry Wales.
Jul 15-23:	Sailed Barry for Las Palmas Canary Islands.
Jul 25:	Sailed Las Palmas Canary Islands for Pomaron Portugal.
Aug 07:	Passed north Oitavos Portugal for Rochefort France.
Aug 12-16:	Sailed Rochefort France for Barry Wales.
Aug 20-26:	Sailed Cardiff for Gibraltar.
Sep 10:	Arrived Newport Wales from Almeria Spain.
Sep 15:	Sailed Newport for Barry.
Sep 18-Oct 15:	Sail Barry Wales - Pomaron Portugal – Newport Wales.
Nov 04:	Arrived Newport from Mediterranean.
Nov 08-24:	Sailed Newport for Almeria Spain via Oran Algeria.
Nov 23:	Passed west from Gibraltar.
Dec 24:	Sailed Algiers for Newport.
1911	
Jan 18:	Sailed Malta for Algiers.
Nov 23:	Arrived Sunderland.
1912	
Oct 08:	Passed west of Gibraltar.
1913	
Apr 05:	Arrived Newport.
Jun 06:	Sailed Oran Algeria for Seville.
1914	
Jan 08:	Arrived Seville.
Jan 26:	Passed west of Lizard Cornwall.
Feb 20-27:	Sailed Toulon France for San Juan Spain.
Mar 28:	Sailed Cardiff for Lisbon.
May 09:	Sailed Barry for Swansea, light.
May 13:	Sailed Swansea for Torre Annunziata Italy, cargo of coal.
May 30-Jun 02:	Sailed Torre Annunziata Italy for San Nicolas Spain.
Jul 11-21:	Sailed Hull for Genoa.
Sep 17:	Arrived Barry Wales, light.
1915	
Feb 07:	Arrived Barry Wales, light.
Aug 22:	Arrived Barry Wales from London, light.
1916	
Apr 03:	Arrived Cardiff from Virent France.
Jun 01:	Dry dock in Cardiff.
1917	
	No voyages reported.
1918	
Aug 21:	Sailed Birkenhead for Barry Wales. Torpedoed without warning and sunk 23 miles WNW of Bardsey Island. One crew member killed.

Table 3: UB-92 (U-boat) Specification and History

Vessel	Name/s	UB-92
	Type	UB 111 submarine - coastal torpedo attack class
Built	Date	Ordered: Feb 6 th 1918
		Launched: Mar 25 th 1918
		Delivered: Apr 27 th 1918
		Cost: 3.654m German Papiermark
	Material	Steel
Builder	AG Vulcan Hamburg Yard # 108	
Owner	Imperial German Navy – Kaiserliche Marine	
Dimensions	Length	55.52 m
	Beam	5.76 m
	Draught	3.73 m
Tonnage	Gross	510t (surface); 540t (submerged)
Propulsion	Type	2 x propeller shafts
Engine	Details	2 x MAN-Vulcan four-stroke 6-cyl diesel engines, 1085 bhp 2 x Siemens Schuckert electric motors, 780 shp (580 kW)
	Speed	13 knts (surface); 7.4 knts (submerged)
	Range	7,120 nat miles at 6 knts surface; 55 nat miles at 4 knts submerged
	Depth	50m
Armaments		5 x 50 cm (19.7 in) torpedo tubes (4 bow, 1 stern) 10 torpedoes 1 x 10.5 cm (4.13 in) deck gun
Operations	Captains	Kptlt. Franz Krapohl 27 April - 30 June 1918 Oblt. Johannes Paul Müller July - 11 November 1918
	Crew	3 officers, 31 men
	Patrols	2
	Sinkings/ Damaged	8 merchant ships sunk 17,189 grt
	Date	21/11/1918
	Location	N/A
	Cause	Surrendered
	Loss of life	0
	Outcome	Broken up at Bo'ness in 1919-20

- On 1 February 1917 Germany declared a renewal of 'unrestricted submarine warfare' in a last ferocious attempt to force an end to the First World War.
- Almost immediately, major losses of merchant ships occurred in Welsh waters. Thirteen ships were sunk off Bardsey Island and the Pembrokeshire coast in that month alone – all by the U-boat, UC-65, captained by Otto Steinbrinck, one of the most successful German U-boat commanders of the war.
- UB-92 surrendered Nov 1918 and scrapped at Bo'ness Scotland in 1919-20.

8.0 Conclusions & Recommendations

The project took approximately 2 working days with 1 day of that time spent on on-line research.

Having read the report, sufficient information has been collated to compile a comprehensive history of the steamship SS Boscawen.

The SS Boscawen sailed between the U.K., Mediterranean and Europe carrying reported cargoes of coal, raw materials and probably foods.

Many different WebPages were viewed ranging from large organisations e.g. Lloyd's Registry Listings to smaller WebPages such as local history or people with a given interest in a subject. The quantity and quality of the WebPages appeared depended on the targeted audiences and the amount of work undertaken. Some of the historical and interest in a subject WebPages were extremely useful. Newspaper archives were also very helpful in giving an overall picture of the operation of the ship and filling in information gaps.

Much of the data collated between websites checked out with some discrepancies observed.

A few WebPages viewed led to pay to view pages. However in most cases the information was obtained from other sources.

From the research conducted, setting a goal and how to reach that goal should be mapped out first. Careful use of specific words in search engines is very important. Due to the name a more specific search through archived newspapers was made using specific newspapers to view e.g. Lloyd's List. This vastly reduced the number of articles but keep the search focused.

9.0 References

9.1 Online WebPages

The following websites and pages have been used in the compilation of this report:

<https://www.britishnewspaperarchive.co.uk/>

Keyword: steamship Boscawen

<https://coflein.gov.uk/en/site/516077?term=Boscawen>

<https://www.crewlist.org.uk/data/vesselsalpha>

<https://www.crewlist.org.uk/data/viewimages?data/viewimages>

http://www.teesbuiltships.co.uk/view.php?official_number=&imo=&builder=&builder_eng=&year_built=&launch_after=&launch_before=&role=&type_ref1=&propulsion=&owner=&port=&flag=&disposal=&lost=&ref=166910&vessel=BOSCAWEN

<https://www.google.co.uk/>

<https://hec.lrfoundation.org.uk/archive-library/casualty-returns>

<https://hec.lrfoundation.org.uk/archive-library/lloyds-register-of-ships-online>

<https://newspapers.library.wales/>

<https://rcahmw.gov.uk/one-hundred-years-ago-today-2/>

<http://www.rhiw.com/>

<https://uboat.net/wwi/>

https://uboat.net/wwi/ships_hit/876.html

<https://uboat.net/wwi/types/?type=UB+III>

<https://uboatproject.wales/>

<https://uboatproject.wales/test-esri-map/>

<https://www.wrecksite.eu/wreck.aspx?10998>

https://en.wikipedia.org/wiki/SM_UB-92

9.2 Personal Correspondences

I would like to thank Mr Ian Cundy for supplying the initial information and other information with regards to the research project.

Appendices:

Appendix A: Launch Announcement Apr 12 1909, SS Boscawen

LAUNCH.

BOSCAWEN.—On April 6 Messrs. Craig, Taylor and Co. (Limited) launched from their Thornaby Shipbuilding Yard, Thornaby-on-Tees, a single-deck screw steamer of the following dimensions:—Length, 290 feet; breadth, 40 feet 9 inches; and depth moulded, 20 feet 6 inches. She is built of steel to the highest class in Lloyd's, under special survey. She is equipped with patent steam windlass with quick warping ends, steam steering gear, four steam winches, pole masts to Manchester Ship Canal requirements, large hatches, and all the latest improvements for rapid loading and discharging. Her engines have been constructed by the North-Eastern Marine Engineering Company (Limited), Sunderland, the cylinders being 21½, 36 and 59 inches in diameter, by 39-inch stroke, with two large steel boilers working at 180 lb. pressure. The vessel has been built to the order of Messrs. E. Jenkins and Co., of Cardiff. The steamer was named Boscawen by Mrs. Jenkins, wife of the owner.

Appendix B: Appropriation Book 1909, SS Boscawen

Official Number.	Name of Ship.	Tonnage.	Whether Steam or Sailing.	Port of Registry.	Date of Registry.
128490	Lymington	2363	✓	-	4.09 29 Mar. 1909
1	Monkstone	1961	✓	-	7.09 5 May ✓
2	Boscawen	1174	✓	-	8.09 17 ✓ ✓
3	Cardiff City	118	✓	-	9.09 22 - ✓
4	Wheatfield	197	✓	-	10.09 4 June ✓
5	Pelica	1310	-	-	11.09 18 - -
6	Breaksea	134	✓	-	13.09 30 July ✓
7	Breynton	2699	✓	-	15.09 2 Oct ✓
8	Ashtree	758	✓	-	16.09 22 - -
9	Oku	95	✓	-	19.09 25 Nov ✓
128500	Kuroki	95	✓	-	20.09 2 Dec ✓

Appendix C: Mercantile Navy Listing 1910, SS Boscawen

Number	Name	Builder	Year	Material	Length	Breadth	Depth	Engines	Port	Notes
97540	Borrowdale	M.B.Q.D	Sunderland, 1891	Steel	216 5	31 1	15 0	682 1093	90 Sc.	Robert C. Thompson, Maritime Buildings, Sunderland.
66924	Borwick Rails	..	Whitehaven, 1902	Iron	102 6	19 1	9 6	48 136	70 Pa.	The Whitehaven Harbour Comrs., Harbour Office, Whitehaven. John Tyson, same address.
128492	Boscawen	H.N.W.P	Cardiff, 1909	Steel	279 0	40 8	18 3	1174 1936	239 Sc.	The Cornish Shipping Co., Lim., Devon Buildings, James Street, Cardiff. Edwin Jenkins, 1, James Street, Cardiff.
122940	Boscobel	H.G.J.K	Fleetwood, 1906	Steel	125 8	21 9	8 9	72 225	54 Sc.	Tettenhall Steam Fishing Co. of Fleetwood, Lim., 166, Dock Street, Fleetwood, Lancs. James H. Marr, Dock Street, Fleetwood.
98620	Bosnian	M.D.B.P	Glasgow, 1891	Steel	312 0	39 0	23 5	1576 2507	300 Sc.	The Ellerman Lines, Lim., 12, Moorgate St., City, London. Fred Swift, 21, James St., Liverpool.
98585	Boston	..	Yarmouth, N.S., 1892	Steel	245 0	36 1	275 7	734 1695	550 Sc.	The Dominion Atlantic Railway Co., 6, Great Winchester St., City, London.
104157	Bostonian	..	Boston, 1900	Iron	116 0	21 1	11 1	69 192	51 Sc.	The Boston Deep Sea Fishing & Ice Co., Lim., The Dock, Boston. Thomas D. Donaldson, Haven Bank, Boston.
93797	Bostonian	K.T.W.R	Liverpool, 1888	Steel	421 8	43 2	30 9	3030 4668	500 Sc.	Wilson & Furness-Leyland Line, Lim., 38, Leadenhall St., City, London. H. B. Roper, same address.
124797	Botanic	H.L.T.P	Hull, 1907	Steel	141 8	23 0	12 2	128 312	89 Sc.	The City Steam Fishing Co., Lim., Hull. John A. Laverack, St. Andrew's Dock, Hull.
60829	Bothal	..	Shields, North, 1892	Iron	109 4	20 0	10 1	14 149	60 Pa.	George Dinsdale, Plessey Rd., Blyth, Northumberland.
100661	Bothnia	..	Kingston, Ont., 1896	Comp.	178 1	37 8	12 3	478 833	200 Sc.	Montreal Transportation Co., Montreal, Quebec.
122224	Botrel	..	Montreal, 1906	Wood	50 6	9 7	2 9	12 18	2 Sc.	J. N. Godin, Three Rivers, St. Maurice, co., Quebec.
90646	Boucherville	..	Montreal, 1886	Wood	178 9	26 3	9 2	256 419	85 Pa.	The Richelieu & Ontario Navigation Co., Montreal.
116213	Boulama	S.Q.V.K	Liverpool, 1901	Steel	324 8	45 0	19 6	1625 2613	251 Sc.	The British & African Steam Navigation Co., Lim., Colonial House, 20, Water St., Liverpl Sir Alfred L. Jones, K.C.M.G., same address.
125091	Boulby	..	Port Talbot, 1906	Steel	92 8	18 2	6 2	49 96	7 Sc.	The Briton Ferry Shipping Co., Lim., Vernon

Appendix D: Lloyd's Register 1909, SS Boscawen

LLOYD'S REGISTER. STEAMERS.															B
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Steamer's Name.	Material, Rig, &c.	Registry's Tonnage	Particulars of Classification.			Built.		Owners.	Regist'd Dimensions. Deck Erections, &c.			Port of Registry.	Engines.	Moulded depth.	Date when last built.
Master.	Late Name if any.	Gross Under deck. Net.	Character.	For Special Survey.	Port of Survey.	When	By Whom	Length.	Breadth.	Depth.	Flag.	No. & Dia. of Cylinders—Stroke.	Boiler Pressure NIP—Horse power by Society's formulae.	Freeboard RFP—power by Ship's Register.	ft. in.
Brinkburn	Steel ScSr	2813	100A1	Sld	w	1909	J.L. Thompson & Sons, Ltd	346'0"	49'5"	25'3"	London	T.3Cy.25"42"68"-48" (6)	180lb 500b	350NP	27'11"
Boscawen	Steel ScSr	4950	100A1	Stk	r	1909	Craig, Taylor & Co. Ltd	279'0"	40'8"	18'3"	Cardiff	T.3Cy.21"36"69"-39" (8)	180lb 900b	230NP	20'6"
Bright Wings	Steel ScSr	3116	100A1	PGI	v	1909	Russell & Co.	331'5"	49'0"	21'8"	London	T.3Cy.23"57"61"-42" (8)	180lb 1000b	276NP	24'3"

Appendix E: Trial Trip of SS Boscawen, May 18 1909

TRIAL TRIP.

BOSCAWEN.—O: Thursday the steel screw steamer **Boscawen**, built by Messrs. Craig, Taylor and Co. (Limited), Stockton-on-Tees, to the order of Messrs. E. Jenkins and Co., Cardiff, was taken to sea for her trial trip, which proved highly satisfactory. The vessel is of the following dimensions:—290 feet by 40 feet 9 inches by 20 feet 6 inches depth moulded. She is built of steel to the highest class in Lloyd's registry, under special survey, and has poop, bridge, and top-gallant fore-castle. The vessel is equipped with patent steam windlass with quick warping ends, steam steering gear, four powerful steam winches, large donkey boiler, screw gear aft, telescopic masts, large hatches, and all modern improvements for rapid loading and discharging. The machinery has been constructed by the North Eastern Marine Engineering Company (Limited), the cylinders being 21½, 36, and 59 inches in diameter, by 39-inch stroke, with two large steel boilers working at 180 lb. pressure. During the whole of the trip everything worked with the greatest smoothness, and over a series of runs between Hartlepool Heugh and Redcar Buoy a speed of 11½ knots was maintained. The owner, Captain Jenkins, and his son, Mr. Edgar Jenkins, who were on board the vessel, expressed themselves as being highly pleased with the ship and engines. After the trial trip the vessel proceeded to Cardiff under command of Captain Lewis.

Appendix F: New Company Registered, May 21 1909

NEW COMPANIES REGISTERED.

CORNISH SHIPPING COMPANY.—Capital, 15,000*l.*, in 50*l.* shares. Objects: To adopt an agreement with E. Jenkins (trading as E. Jenkins and Co.) for the acquisition of the steamer **Boscawen**, and to carry on the business of shipowners, &c. The first subscribers are:—E. Jenkins, shipowner, Netherwood, Llandaff; and E. Jenkins, jun., clerk, Netherwood, Llandaff. Private company. E. Jenkins is the manager. Registered office: Devon Buildings, James-street, Cardiff.

CRAIG'S SHIPPING SHARE COMPANY (LIMITED).—Capital, 1,200*l.*, in 10*l.* shares. Private company. Objects: To acquire shares in the ship **Kelburn**. The first subscribers are:—C. Gordon Cowan, shipowner, Bedford, and Robert Shankland, Hadleigh Hall, Hadleigh, Suffolk. Registered office: 13, Hamilton-street, Greenock.

Appendix G: Accident at Cardiff Docks, Aug 01 1909

STRUCK BY LUMP OF COAL

An inquest was held by the Cardiff coroner (Mr. W. L. Yorath) to-day on the body of John Maynard, Clive-street, Grangetown, boatswain on the steamship Boscawen. Mr. Glyn Davies, inspector of factories, represented the Home Office, and Mr. Harold B. Hann was for the employers, the Cardiff Railway Company. It was stated that last Saturday night the **Boscawen** was loading at the Roath Dock. Deceased was unhooking the sling when a lump of coal from the box fell on him. The box was supposed to have been discharged, but a stray lump had remained, and fell a depth of 25 feet. Dr. Thornley, of the infirmary, said that deceased suffered from a depressed fracture of the right side and a compound fracture of the base of the skull. A verdict of "Accidental death" was returned, the jury expressing the opinion that the box should be examined to ascertain whether any coal remained.

Appendix H: German U-Boat UB Class (UB-88 pictured)



33-X50 U.S. Bittern and U.B. 88 (German Submarine) Pedro Miguel Locks. Aug. 12 - 1919

Appendix I: Lloyd's Casualty Listing 1918, SS Boscawen

LLOYD'S REGISTER OF SHIPPING.

RETURNS OF VESSELS TOTALLY LOST, CONDEMNED, &C.

1ST JULY TO 30TH SEPTEMBER, 1918.

List of total losses of Merchant Vessels of 100 tons and upwards between the above dates, of which information was received up to October, 1918.

EXPLANATION OF CONTRACTIONS.

<i>NATIONALITY.</i>			
Amr. = U.S. of America.	Chn. = Chinese.	Itl. = Italian.	Rus. = Russian.
Arg. = Argentine.	Col. = British (Dominions).	Jap. = Japanese.	Sia. = Siamese.
A.-H. = Austro-Hungarian.	Dan. = Danish.	Mex. = Mexican.	Sp. = Spanish.
Blg. = Belgian.	Dut. = Dutch.	Nor. = Norwegian.	Swd. = Swedish.
Braz. = Brazilian.	Fre. = French.	Per. = Peruvian.	Trk. = Turkish.
Cbn. = Cuban.	Ger. = German.	Ptg. = Portuguese.	U.K. = British (United Kingdom)
Chl. = Chilean.	Grk. = Greek.	Rou. = Roumanian.	Urg. = Uruguay.
<i>DESCRIPTION.</i>			
Bg. = Brig.	Bn. = Brigantine.	m. = Masts.	Sc. = Screw Steamer.
Bk. = Bark.	C. = Composite.	Pad. = Paddle Steamer.	Sr. = Schooner.
Bkn. = Barkentine.	I. = Iron.	S. = Ship.	Stl. = Steel.
			Tw. = Twin.
			W. = Wood.

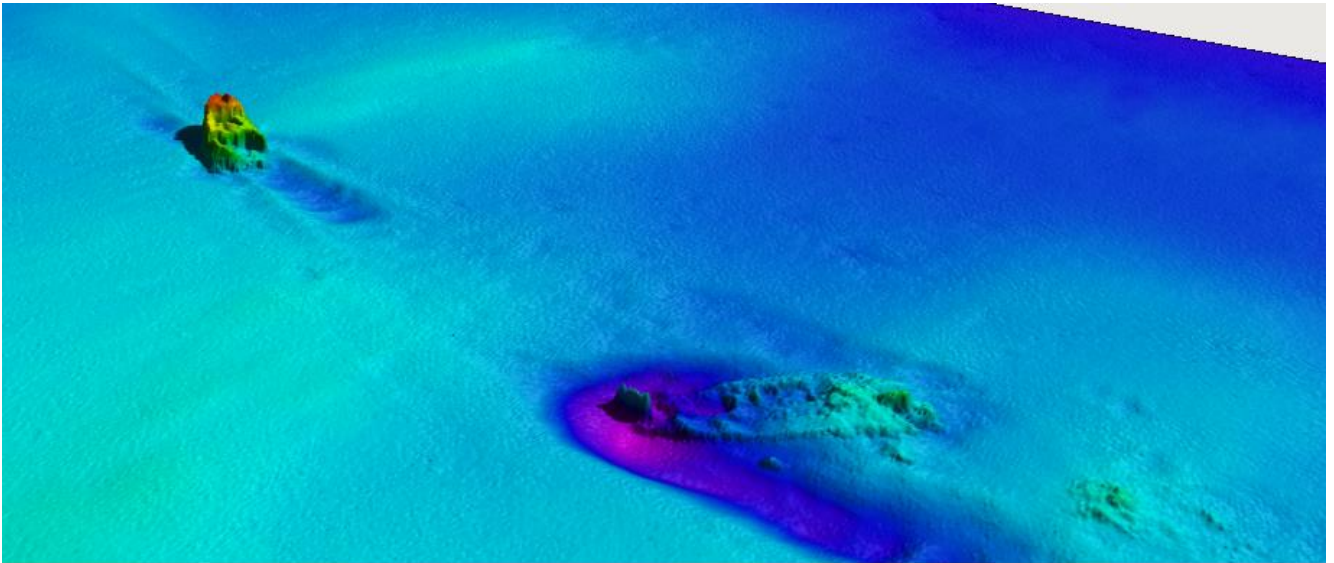
I.-STEAMERS.

8

(i.) War Losses.

No. in Reg. Book. 1918-19.	Vessel's Name.	Tons.		Nationality.	Description.	No. in Reg. Book. 1918-19.	Vessel's Name.	Tons.		Nationality.	Description.
		Net.	Gross.					Net.	Gross.		
109	Achilles	106	225	U.K.	Stl. Sc.	629	Gorsemore	1980	3079	U.K.	Stl. Sc.
513	Aldershot	1354	2177	U.K.	Stl. Sc.	914	Guide Me II	37	107	U.K.	Stl. Sc.
992	Anhui	1355	2209	U.K.	Stl. Tw. Sc.	307	Hatasu	1925	3193	U.K.	Stl. Sc.
1033	Anna Sofie	1609	2577	U.K.	Stl. Sc.	385	Hebburn	1178	1938	U.K.	Stl. Sc.
1459	Arum	2366	3681	U.K.	Stl. Tw. Sc.	720	Highcliffe	2040	3228	U.K.	Stl. Sc.
1685	Auckland Castle	661	1084	U.K.	I. Sc.	726	Highland Harris	3864	6032	U.K.	Stl. Sc.
1688	Audax	398	975	U.K.	Stl. Sc.	1212	Hyperia	2518	3908	U.K.	Stl. Sc.
1765	Australian Transport	3017	4784	U.K.	Stl. Sc.	48	Idaho	1947	3023	U.K.	Stl. Sc.
21	Badagri	1825	2952	U.K.	Stl. Sc.	364	John O. Scott	782	1235	U.K.	Stl. Sc.
68	Baldersby	2218	3613	U.K.	Stl. Sc.	534	Justicia	19801	32234	U.K.	Stl. Trp. Sc.
7	Barrister	3143	4952	U.K.	Stl. Sc.	336	Kendal Castle	2438	3885	U.K.	Stl. Sc.
Sup. 253	Barunga	4672	7484	U.K.	Stl. Sc.	575	Kirkham Abbey	512	1166	U.K.	Stl. Sc.
352	Baywest	2316	3596	U.K.	Stl. Sc.	790	Kosseir	1013	1855	U.K.	I. Sc.
442	Bellbank	2098	3250	U.K.	Stl. Sc.	361	Lavernock	1496	2406	U.K.	Stl. Sc.
625	Bertrand	2282	3613	U.K.	Stl. Sc.	563	Libourne	491	1219	U.K.	Stl. Sc.
726	Biruta	1016	1733	U.K.	Stl. Sc.	762	Loch Tummel	87	228	U.K.	Stl. Sc.
771	Blairhall	1624	2549	U.K.	Stl. Sc.	766	Lochiel	87	241	U.K.	Stl. Sc.
847	Boltonhall	2312	3595	U.K.	Stl. Sc.	881	Lord Stewart	895	1445	U.K.	Stl. Sc.
941	Boscawen	1174	1936	U.K.	Stl. Sc.	10	M. J. Craig	275	691	U.K.	Stl. Sc.
1072	Branksome Hall	2728	4262	U.K.	Stl. Sc.	T. 639	Madame Renée	283	509	U.K.	Stl. Sc.
1328	Buffalo	112	286	U.K.	I. Sc.	101	Madryn	1328	2244	U.K.	Stl. Sc.
441	Carpathia	8660	13603	U.K.	Stl. Tw. Sc.	134	Magellan	2311	3642	U.K.	Stl. Sc.

Appendix J: Sonar Image of Wreck of SS Boscawen



<https://uboatproject.wales/>

Image taken from the multi-beam echo sounder surveys undertaken by Bangor University in 2018, as part of the Royal Commission's HLF funded Partnership Project - 'Commemorating the Forgotten U-boat War around the Welsh Coast 1914-18'. <https://uboatproject.wales/>