

The Troubridge Decision



August 7, 1914

SEMI-HISTORICAL

Beaufort Number: Force 0

Sea State: < 1 foot

Wind Direction and Speed: Variable

2 - 3 knots

Game Scale: 18000 (1" = 500 yds)

Game Turn: 2 Minutes Per Turn

COVER SHEET



GERMANY

Mittelmeer Division										RADM Souchon						
CB	Goeben		0441-0	22600 ts	610 ft	TS: 2	4x	50cm G6	TT		<i>ARMOR</i>					0.83
	27 kts	10 x	28cm SKL/50 C/09	36	19,790 yds	39.6"	2 x	FCS 1N2	None	0	1	1.7	2	2.6	3	2.1
	2731 DP	12 x	15cm SKL/45	16	16,223 yds	32.4"	2 x	FCS 2Q2	None	0	4	11.5	5	8.8	6	3.2
	Turn: 45										7	7.6	8	7.5	9	3.6
CL	Breslau		0524-0	5000 ts	446 ft	TS: 1	2x	50cm G6D	TT		<i>ARMOR</i>					0.83
	27 kts	12 x	10.5cm SKL/45 C/06	11	13,914 yds	27.8"	2 x	FCS 1S2	None	0	1	1.5	2	0.0	3	0.5
	1285 DP								None	0	4	3.2	5	2.0	6	0.0
	Turn: 60								None	0	7	0.0	8	1.7	9	0.6



GREAT BRITAIN

First Cruiser Squadron										RADM Troubridge						
	CA	Defence	0786-0	14600 ts	519 ft	TS: 1	5x 18" Mk VI	TT			ARMOR					0.95
	23 kts	4 x 9.2"/50.1 Mk XI	28	16,200 yds	32.4"	2 x FCS	1Q1	None	0	1	1.4	2	1.9	3	1.7	
	2195 DP	10 x 7.5"/50 Mk II, V	22	14,328 yds	28.7"	2 x FCS	2S2	None	0	4	9.5	5	5.7	6	2.9	
	Turn: 45							None	0	7	6.7	8	7.6	9	2.9	
	CA	Black Prince	0777-1	13550 ts	506 ft	TS: 1	3x 18" Mk VI	TT			ARMOR					0.95
	23 kts	6 x 9.2"/47 BL Mk X	28	15,176 yds	30.4"	2 x FCS	1Q1	None	0	1	1.4	2	1.9	3	1.6	
	2115 DP	10 x 6"/50 BL Mk XI	16	16,268 yds	32.5"	2 x FCS	2S2	None	0	4	9.5	5	5.7	6	2.9	
	Turn: 45							None	0	7	5.7	8	7.1	9	2.7	
	CA	Duke of Edinburgh	0778-1	13550 ts	506 ft	TS: 1	3x 18" Mk VI	TT			ARMOR					0.95
	23 kts	6 x 9.2"/47 BL Mk X	28	15,176 yds	30.4"	2 x FCS	1Q1	None	0	1	1.4	2	1.9	3	1.6	
	2115 DP	10 x 6"/50 BL Mk XI	16	16,268 yds	32.5"	2 x FCS	2S2	None	0	4	9.5	5	5.7	6	2.9	
	Turn: 45							None	0	7	5.7	8	7.1	9	2.7	
	CA	Warrior	0780-1	13550 ts	506 ft	TS: 1	3x 18" Mk VI	TT			ARMOR					0.95
	23 kts	6 x 9.2"/47 BL Mk X	28	15,176 yds	30.4"	2 x FCS	1Q2	None	0	1	1.4	2	1.9	3	1.6	
	2115 DP	4 x 7.5"/50 Mk II, V	22	14,328 yds	28.7"	2 x FCS	2S2	None	0	4	9.5	5	5.7	6	2.9	
	Turn: 45							None	0	7	5.7	8	7.1	9	2.7	



THE TROUBRIDGE DECISION

August 7, 1914

G.O.D. SETUP INFO

On the night of August 6, 1914, Rear Admiral Sir Ernest Troubridge, commanding the First Cruiser Squadron set a course to intercept the German battlecruiser GOEBEN and her consort BRESLAU west of the Greek island of Zante, south of the entrance to the Adriatic. Regular reports from the cruiser GLOUCESTER which had been shadowing the German force since the day before indicated Troubridge's four armored cruisers could intercept the GOEBEN as early as 0600 the next morning.

But history has recorded that Troubridge had a change of heart and later faced court-martial for failing to pursue the German battlecruiser. What might have happened had he continued on course and engaged the GOEBEN?

SITUATION REPORT

7 August 1914 (0602 LCT)

Visibility is CODE 8 (VERY CLEAR)
Sunrise 7 August: 0546 Local (GMT -1)
Sea is calm
Winds are light and variable 2-3 knots

Maximum range for FC solution:

GOEBEN to British cruiser 20,000
BRESLAU to British cruiser 17,000
British cruiser to GOEBEN 18,800
British cruiser to BRESLAU 17,000

GERMAN FORCES

- Course of German formation is 124-degrees
- Cruising speed of German formation at start is 18 knots
- Maximum formation speed is 20 knots
- Maximum speed of GOEBEN is 24 knots and at speeds above 21 knots, a roll of 01-15 is required to increase speed by 1kt during a game turn.
- GOEBEN is leaving a trail of smoke due to poor quality coal
- BRESLAU is 10,000 yards directly astern of GOEBEN
- Initial sighting of smoke from British cruisers by GOEBEN is RED 15 range 31,000 yards

BRITISH FORCES

- Course of British formation is 170-degrees
- Cruising speed of British formation at start is 19 knots
- Maximum formation speed is 19 knots
- Interval is 500 yards
- Maximum speed of WARRIOR is 21 knots.

DEFENCE (f)
BLACK PRINCE
DUKE OF EDINBURGH
WARRIOR



ROYAL NAVY

THE TROUBRIDGE DECISION

August 7, 1914



Rear-Admiral Troubridge

MOST SECRET

SITUATION REPORT

7 August 1914

0602 LCT

Visibility is CODE 8 (VERY CLEAR)
Sunrise 7 August: 0546 Local (GMT -1)

Maximum range for FC solution:
To GOEBEN 18,800
To BRESLAU 17,000

Sea is calm
Winds are light and variable 2-3 knots

Formation is line ahead:

DEFENCE (f)
BLACK PRINCE
WARRIOR
DUKE OF EDINBURGH

Course: 170-degrees
Speed: 19 knots
Maximum formation speed: 19 knots
Interval: 500 yards

Maximum speed of WARRIOR is 21 knots.

ORDERS AND INTELLIGENCE:

Seek to engage the German force with the objective of inflicting sufficient damage so as to permit interception by own battlecruisers.

Maximum speed of GOEBEN estimated at 25-26 knots.



KRIEGSMARINE

THE TROUBRIDGE DECISION

August 7, 1914



Rear-Admiral Souchon

STRENG GEHEIM!

SITUATION REPORT

7 August 1914

0602 LCT

Visibility is CODE 8 (VERY CLEAR)
Sunrise 7 August: 0546 Local (GMT -1)

Maximum range for FC solution:
GOEBEN to British cruiser 20,000
BRESLAU to British cruiser 17,000

Sea is calm
Winds are light and variable 2-3 knots

Formation is line ahead:

GOEBEN (f)
BRESLAU

Course: 124-degrees
Speed: 18 knots
Maximum formation speed: 20 knots

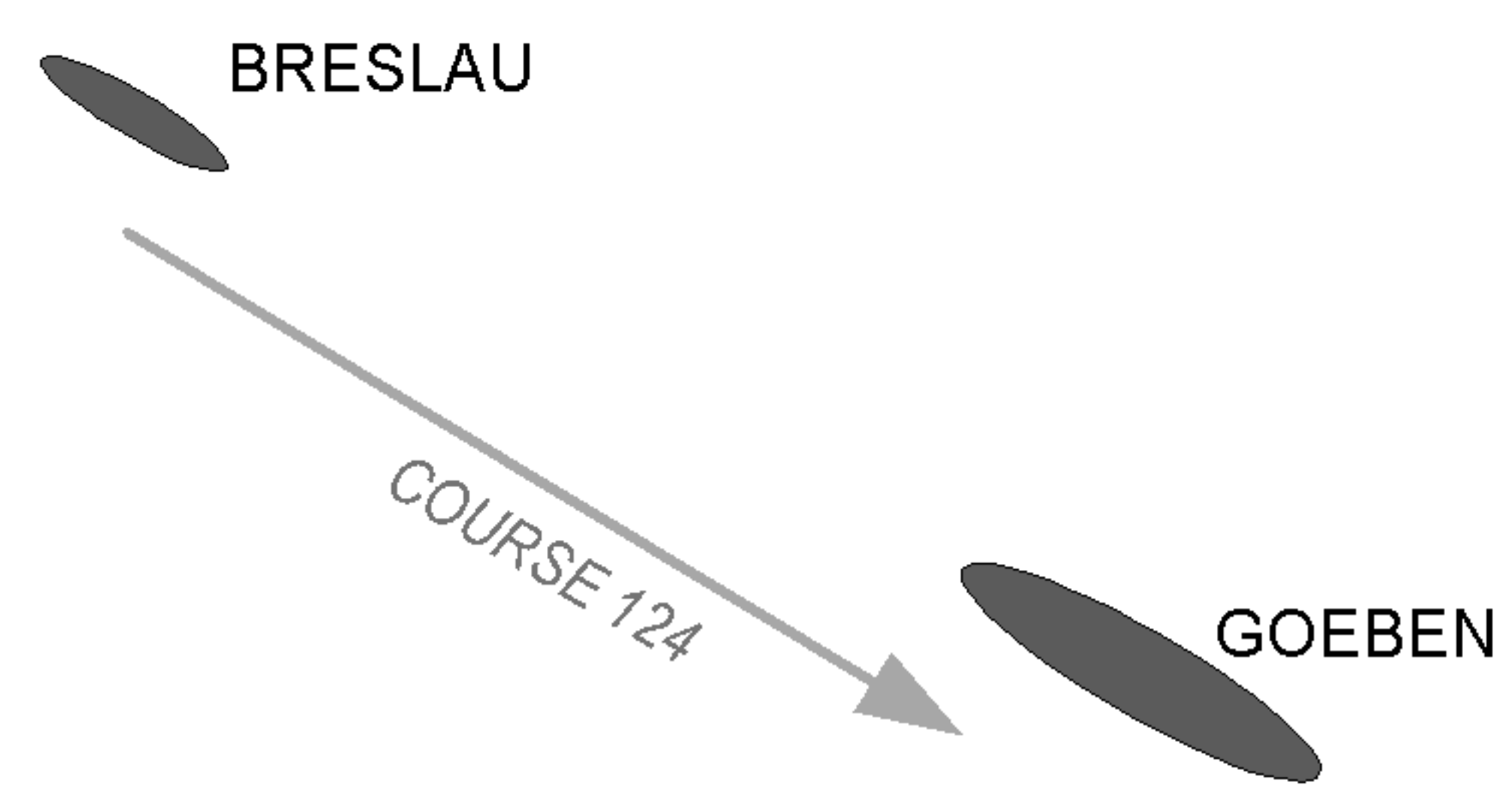
BRESLAU is on station 10,000 yards astern of GOEBEN
Maximum speed of GOEBEN is 24 knots

At speeds above 21 knots, a roll of 01-15 is required for GOEBEN to increase speed by 1 knot during a game turn. GOEBEN is leaving a trail of smoke due to poor quality coal

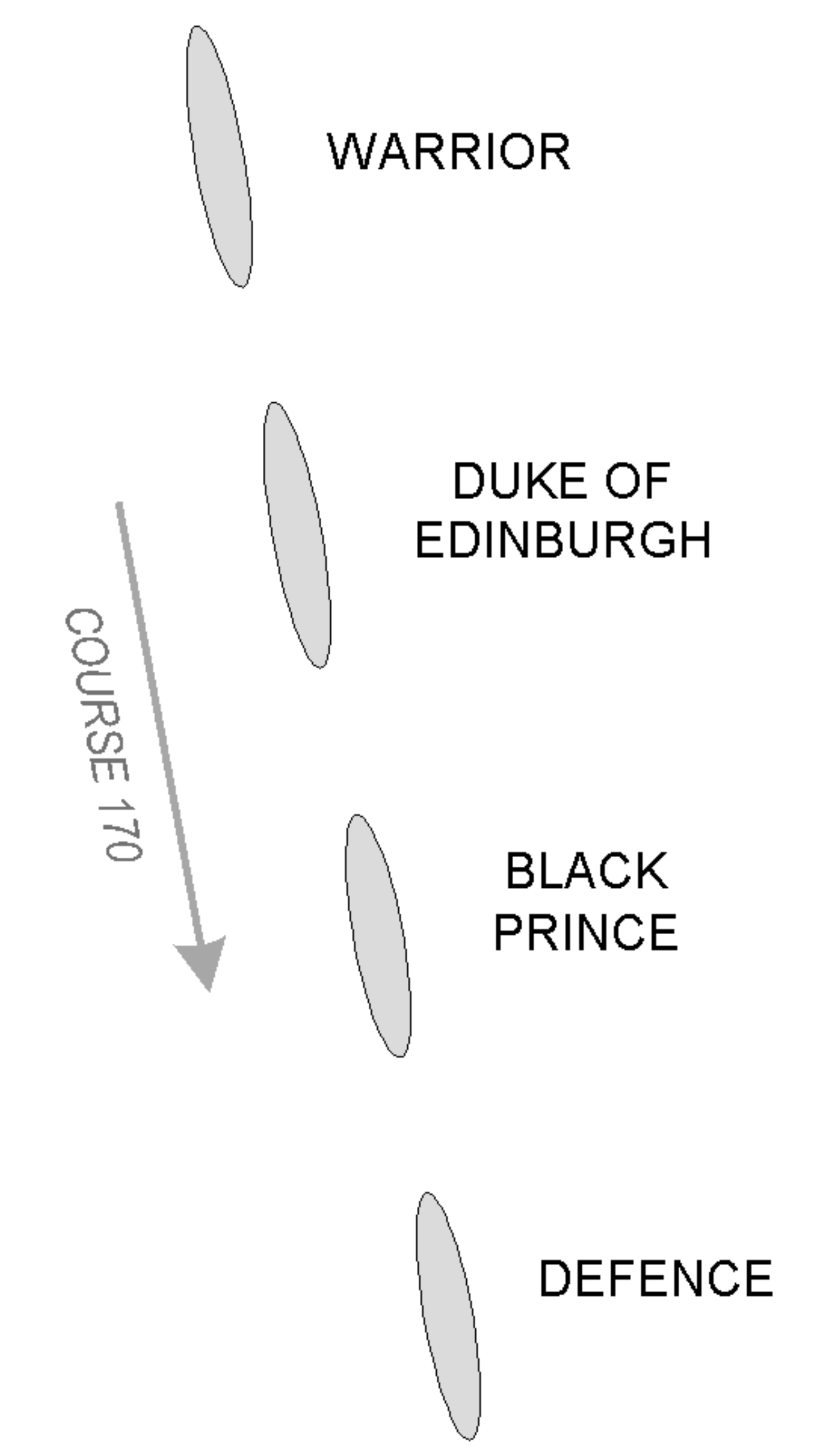
Initial sighting of smoke by GOEBEN is RED 15, range 31,000 yards

ORDERS AND INTELLIGENCE:

Engagement with superior enemy forces is to be avoided at all costs. In the event of engagement with the enemy, every effort must be taken to avoid serious damage to GOEBEN.



From GOEBEN bearing is RED 15 (109-degrees true), distance 31,000 yards



THE TROUBRIDGE DECISION
August 7, 1914



Goeben

CB GERMANY

1912 to 1917

0441-0 MOLTKE Class

Displacement
Complement
Broken Up 00/00/1971

22,600 ts
1053

Length
Beam
Draft

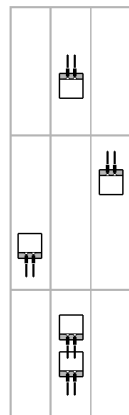
610 ft
97 ft
27 ft

Blohm & Voss, Hamburg
Launched 03/28/1911
Completed 08/28/1912



SHIP LOG SHEET

Version 10/17/2004



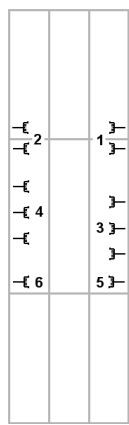
10 x 28cm SKL/50 C/09

36

Max ROF		Range		Shell Size/Weight	
2.8	sh/min	19,790 yds	39.6"	11.0"	666.0 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
2	1N2	None		COM	HE
AA	0.0	Level	S	Ammunition	81 rpg 810

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	16	10	12	7	9	6	8	5	
10 - 18	11	7	8	5	7	4	6	4	
19 - 27	9	6	7	4	5	3	5	3	
28 - 36	8	5	6	4	5	3	4	2	
37 - 45	7	5	5	3	4	3	4	2	

APC PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	5.6	5.6	5.6	5.2	4.6	4.0	3.3	2.8	2.5					
Rge	S	S	S	S	S	M	M	M	L					
H	0.4	0.7	9.0	1.1	1.3	1.4	1.6	1.8	2.1					
V	17.6	15.6	13.8	12.0	10.5	9.0	7.3	6.0	5.4					



12 x 15cm SKL/45

16

Max ROF		Range		Shell Size/Weight	
6.0	sh/min	16,223 yds	32.4"	5.9"	99.8 lbs.
Fire Control		FC Radar	+ 0	AP	SAP
2	2Q2	None		COM	HE
AA	0.0	Level	S	Ammunition	150 rpg 1800

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	11	7	7	5	5	3	4	3	
10 - 18	8	5	5	3	4	2	3	2	
19 - 27	6	4	4	3	3	2	3	2	
28 - 36	5	3	4	2	3	2	2	1	
37 - 45	5	3	3	2	2	2	2	1	

APC PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.6	5.5	4.6	3.9	3.2	2.5	2.3						
Rge	S	S	S	M	M	L	L	L						
H	0.1	0.2	0.3	0.4	0.5	0.7	1.1	1.4						
V	7.7	6.0	4.6	3.6	2.9	2.4	1.9	1.7						

Crew	Sea	BR	Targ Sz	Ops
			2	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	4	Ammo	11
50cm G6			
Damage Class	G		
Settings			
2,400/35			
5,500/27			

MINES

0			
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RAPID FIRE BATTERIES

RF1	12	8.8cm SKL/45 C/09				
Max Rg	11,695	23.4"	7	5		
Eff Rg	5,263	10.5"	11	8		
RF	Port	6	5	3	2	1
24	Stbd	6	5	3	2	1
AA	Port	14	11	8	5	2
S	Stbd	14	11	8	5	2

RF2

None					
Max Rg					
Eff Rg					

RF	Port					
0	Stbd					

AA	Port					
	Stbd					

RF3

None					
Max Rg					
Eff Rg					

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	3100	Oil (ts)	0	Radius (nm/mts)	Search Radar		ASW WEAPONS				
Engines	Parsons turbines			4120	14	None			Rack		
Boilers	24 Schulz-Thornycroft					None			Ammo		



Warrior

CA GREAT BRITAIN

1914 to 1916

0780-1 WARRIOR Class

Displacement
Complement
Sunk 06/01/1916

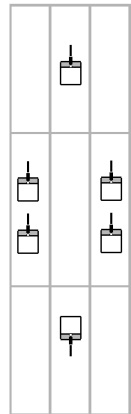
13,550 ts
712

Length 506 ft
Beam 74 ft
Draft 25 ft
Pembroke Dockyard
Launched 11/25/1905
Completed 12/12/1906



SHIP LOG SHEET

Version 6/21/2006



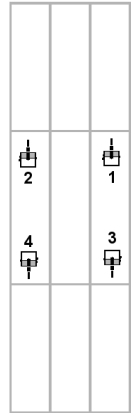
6 x 9.2"/47 BL Mk X

28

Max ROF		Range		Shell Size/Weight		
3.0	sh/min	15,176 yds	30.4"	9.2"	380.0 lbs.	
Fire Control		FC Radar	+ 0	AP	SAP	
2	1Q2	None		COM	HE	
AA	0.0	Level	S	Ammunition	150 rpg	900

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	14	9	9	6	7	4	6	4	
10 - 18	10	6	7	4	5	3	4	3	
19 - 27	8	5	5	3	4	3	3	2	
28 - 36	7	4	5	3	3	2	3	2	
37 - 45	6	4	4	3	3	2	3	2	

AP PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	6.0	6.0	5.6	4.7	4.0	3.4	2.7	2.7						
Rge	S	S	S	M	M	M	L	L						
H	0.2	0.4	0.6	0.7	0.9	1.1	1.6	1.6						
V	8.0	6.6	5.4	4.4	3.7	3.2	2.8	2.8						



4 x 7.5"/50 Mk II, V

22

Max ROF		Range		Shell Size/Weight		
5.0	sh/min	14,328 yds	28.7"	7.5"	200.0 lbs.	
Fire Control		FC Radar	+ 0	AP	SAP	
2	2S2	None		COM	HE	
AA	0.0	Level	S	Ammunition	180 rpg	720

FIRE CONTROL TABLE									
T Kts	Short	Medium	Long	Extreme					
0 - 9	9	6	6	4	5	3	4	2	
10 - 18	7	4	4	3	3	2	3	2	
19 - 27	5	3	4	2	3	2	2	1	
28 - 36	5	3	3	2	2	1	2	1	
37 - 45	4	3	3	2	2	1	2	1	

APC PENETRATION TABLE														
Yds	2,000	4,000	6,000	8,000	10,000	12,000	15,000	18,000	21,000	24,000	27,000	30,000	33,000	36,000
ROF	7.8	6.6	5.6	4.6	3.9	3.2	2.7							
Rge	S	S	S	M	M	L	L							
H	0.2	0.3	0.4	0.6	0.7	0.8	1.3							
V	8.6	6.6	5.0	3.9	3.1	2.3	2.1							

Crew	Sea	BR	Targ Sz	Ops
			1	

AIRCRAFT

Aircraft	0	Catapult	0
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TORPEDOES

TT	3	Ammo	4
18" Mk VI			
Damage Class	H		
Settings			
1,000/34			
2,000/28			
4,000/20			

MINES

RAPID FIRE BATTERIES

RF1	26	Vickers 3pdr Mk I,II			
Max Rg	7,900	15.8"	5	4	
Eff Rg	3,555	7.1"	8	6	

RF	Port	13	10	7	4	2
9	Stbd	13	10	7	4	2

AA	Port	0	0	0	0	0
M	Stbd	0	0	0	0	0

RF2

None						
Max Rg						
Eff Rg						

RF	Port					
0	Stbd					

AA	Port					
	Stbd					

RF3

None						
Max Rg						
Eff Rg						

RF	Port					
	Stbd					

AA	Port					
	Stbd					

Coal (ts)	2050	Oil (ts)	0	Radius (nm/mts)		Search Radar	None	ASW MORTARS/ATW		DEPTH CHARGES	
Engines	4-cylinder TE					None				Rack	
Boilers	Yarrow					None				Ammo	

