

Trip	8	CED
Date	4/20/23	
Cargo	Split	

Ready: 1457 Start: 1517

Time	Delays	Reason
2002	2028	Dark x products
2102	2110	Sample test
2256	2303	Sample

Finish: Clamps: All

Guys	On/Off	On/Off	On/Off
Hopper	1330/2230	0430/1030	
Cameron	1330/17	23-1030	
Kiron	11/12		
Art	12/1330		

loader A/S our Red. O.
Cameron can work till 1030 then
Hits 15

Cargo- 57s / 8s / 9s								
Hatch	R-1	R-2	R-3	R-4	Cargo	Shift	Tons	H2O
1					57s			
2	500*	Trim					500	
3	Fill	Load 3 then 2 then 4					2917	Pump 4 3ft
4	2500						2510	Pump 2 3ft
5			Trim					
6	2500						2518	
7			Trim					
8	2500				8s		2500	Pump 3
9		500	Call 1M					
10	2500						2501	
11								
12	600						600	Pump 4
13		800						
14	1000						1001	
15		800						
16	2400				9s	15	2401	Pump 5
17			Trim					
18	2500						2502	
19			Trim					
20		Fill			8s		225	
21	Fill						2021	Pump 6
22		Fill						

Special Instructions: No Deeper than: 26-08 Mac +20
 Call 1M or Capt at any time if needed. Watch Drafts!!!
 Boom out with H2O in 6s. Run rig off if tonnages don't fit!
 Rig can not reach outboard! Do not pack inboard side!
 57s 8s 9s

Trim	FWD	MID	AFT	H2O	Tons

	P	S	Final Drafts
1			
2			F:
3			
4			M:
5			
6			A:
7			
FP			
AP			



MS _____
 S _____
 I _____
 W _____

DATES APPLICABLE
 TO SEASONS

GROSS TONS = _____
 NET TONS = _____
 DEADWEIGHT = _____
 BALE CUBIC = _____
 LENGTH = _____
 DEAM = _____
 DEPTH = _____
 NO. OF HATCHES = _____
 CENTERS = _____
 DEPTH OF WATER BOTTOM = _____
 NO. OF BALLAST TANKS = _____
 FWD. HOLDING HATCH = _____
 BODY HATCH = _____
 AFT. HOLDING HATCH = _____
 T.P.I. = _____



GRAND RIVER NAVIGATION CO.

Standing Loading Orders

1. Make sure holds & gates are 100% clean.
2. Scrape ledges/coamings & rake down piles before closing hatches.
3. Sound tanks when dry and record in inches.
4. Note all tonnages and shifting times.
5. Keep track of deck crew hours in the book.
6. Keep an eye on water in tunnel while loading, make sure it is as dry as possible before trim.
7. Pay attention to different cargos. Make sure right cargo and tonnage goes in the right hatch.
8. Have draft board out if needed.
9. **Keep an eye on draft rule of thumb & no deeper than 1ft from final draft. Be aware of load port max drafts do not exceed them.**
10. Use judgment on ballast; if load is slow pump later, if load is fast pump sooner. Watch rig clearance to the rails as well.
11. Read all notes in the book at watch changes.
12. Call 1st. Mate or Master at any time in doubt!!!

YEAR _____

Gate	Hatch	Hold
1		
2	1	
3		
4		
5	2	1
6		
7		
8	3	
9		
10		
11	4	
12		
13		
14	5	2
15		
16		
17	6	
18		
19		
20	7	
21		
22		
23	8	
24		
25		
26	9	3
27		
28		
29	10	
30		
31		
32	11	
33		
34		
35	12	
36		
37		
38	13	4
39		
40		
41	14	
42		
43		
44	15	
45		
46		
47	16	
48		
49		
50	17	5
51		
52		
53	18	
54		
55		
56	19	
57		
58		
59	20	
60		
61		
62	21	6
63		
64		
65	22	
66		

1 LT to 1.12 ST
 1 LT to 1.016 MT
 1 ST to 0.8923 LT
 1 ST to 0.90718474 MT
 1 MT to 0.984207 LT
 1 MT to 1.10231131 ST
 1 m to 3.281 ft.
 1 ft. to 0.305 m

RDERS

TRIM TABLE

HCH	TONS	DOWN	TIP
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			

John J. Boland - Trim Table		
per 100 - Net Tons		
Hatch #	FWD	AFT
1	3.13	-1.34
2	2.9	-1.16
3	2.68	-1.03
4	2.46	-0.85
5	2.32	-0.67
6	2.1	-0.45
7	1.96	-0.31
8	1.79	-0.18
9	1.56	0
10	1.34	0.22
11	1.16	0.4
12	0.98	0.54
13	0.8	0.71
14	0.63	0.94
15	0.45	1.12
16	0.22	1.3
17	0	1.43
18	-0.18	1.61
19	-0.36	1.79
20	-0.49	2.01
21	-0.71	2.14
22	-0.89	2.32