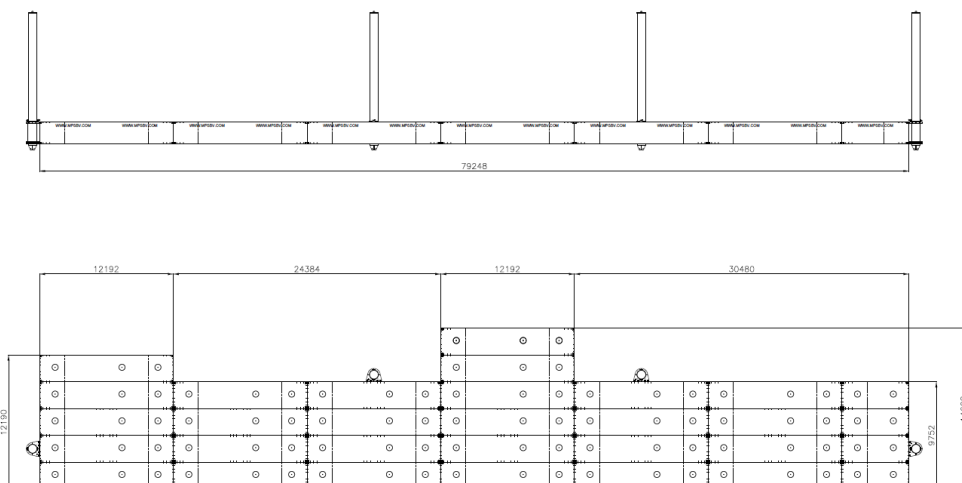


Opmerking: Dit rapport dient in het Nederlands aangeleverd te worden.

10-06-2024

"MPS PONTOON"

79.25x14.63x1.98m"



Specification : **Stability with passengers on board** **Project MPS 23-188**

Calculated for : Modular Pontoon system BV
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The Netherlands

Project	23_188 pontoon 79.25x14.63x1.98 m	
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-	18/01/2024	Stability calculations; intact and damage

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January 2024

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1. ABBREVIATIONS AND UNITS

Hydrostatic curves

Draft from base	- (m)
Waterplane area	- (m^2)
Centre of floatation	- Centre of floatation of the waterline (m)
Mom. of inertia long.	- Moment of inertia longitudinal (m^4)
Mom. of inertia tran.	- Moment of inertia transverse (m^4)
Ton/cm immersion	- (Ton/cm)
Volume	- Volume displacement (m^3)
Volume & appendages	- Volume displacement with appendages (m^3)
Displacement	- Weight displacement (Ton)
Vert. center buoyancy	- Vertical center of buoyancy (m)
Long. center buoyancy	- Longitudinal center of buoyancy (m)
KM transverse	- Vertical distance between the transverse metacenter and the baseline (m)
KM longitudinal	- Vertical distance between the longitudinal metacenter and the baseline (m)
Mom change trim 1 cm	- Moment to change trim 1 cm (Tonm)
Wetted surface	- (m^2)

Crosscurves

Volume	- Volume displacement (m^3)
Displ.	- Weight displacement (Ton)
Draft	- The distance between the intersection centerline-heeling waterline and the baseline (m)
LCB	- Longitudinal center of buoyancy (m)
TCB	- Transverse center of buoyancy (m)
VCB	- Vertical center of buoyancy (m)
KN sin phi	- Righting lever when KG is 0 (m)

The App is situated at the aft end of the vessel

The Fpp is situated at the fore end of the vessel (79.25 meter from App)

The mean draft is measured at 39.625 m. forward of APP.

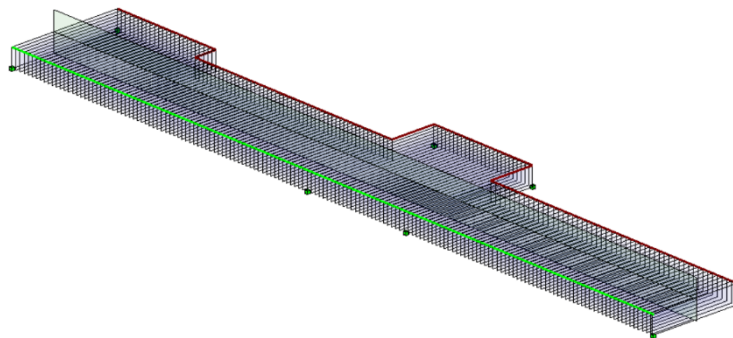
All vertical distances are related to the baseline.

All longitudinal distances are related to APP (aft end of vessel).

2. GENERAL DATA

GENERAL PARTICULARS

Name MPS 79.25*14.63*1.98 m
Length 79.25 m
Breadth moulded 14.63 m
Depth 1.98 m



INPUT DATA HULLFORM

The hull form is according the drawings of MPS.
The vessel is asymmetric.

COMPARTMENTS

The compartments are according the drawings MPS.
All not used compartments in the MPS pontoons are empty and dry in the calculations.

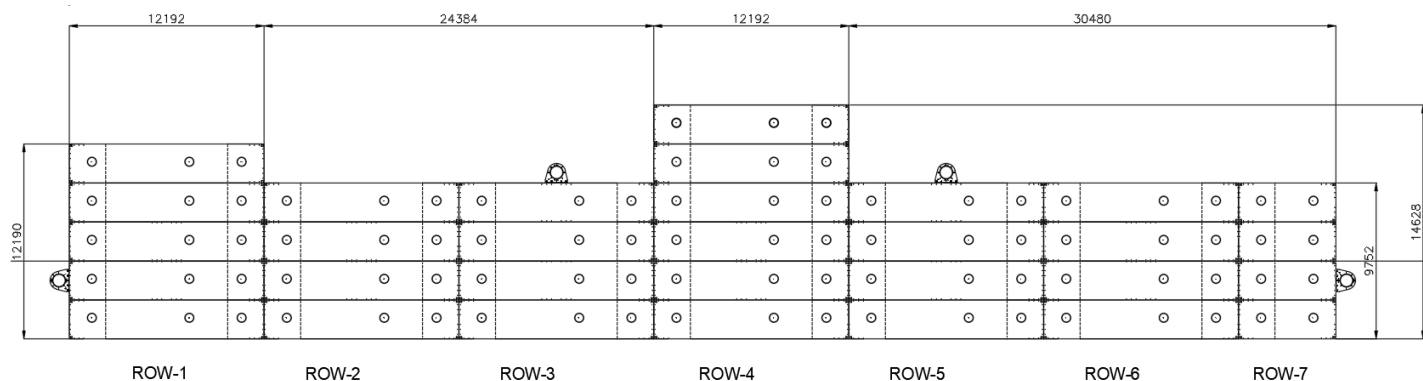
All not used compartments should be empty and dry. Rests of water have a negative effect on the stability.

OPENINGS

No non-watertight openings have been taken into account for the stability calculations.
All openings are to be closed watertight.
Margin lines points at the baseline are used for the stability criteria.

Light Ship Weight

- Light ship weight, according calculations
VCG is taken at deck level, 1.98 m above base line.



The center line is positioned 2 units from SB side, see red line in picture below.
The vessel is asymmetric.

In the table on the next page, the weights of all the MPS units are added to calculate the weight and centre of gravity of the pontoon.

79.25x14.63x1.98

	container position	container nr	weight [ton]	vcg [m]	lcg [m]	tcg [m]	vmom [tonm]	lmom [tonm]	tmom [tonm]
row 1,2	SB side out	MPS 265	11.700	1.981	6.096	3.658	23.180	71.323	42.794
row 1,1	SB side in	MPS 265	11.700	1.981	6.096	1.219	23.180	71.323	14.265
row 1,-1	PS side in	MPS 265	11.700	1.981	6.096	-1.219	23.180	71.323	-14.265
row 1,-2	PS side out1	MPS 265	11.700	1.981	6.096	-3.658	23.180	71.323	-42.794
row 1,-3	PS side out2	MPS 265	11.700	1.981	6.096	-6.096	23.180	71.323	-71.323
row 2,2	SB side out	MPS 465	11.700	1.981	18.288	3.658	23.180	213.970	42.794
row 2,1	SB side in	MPS 465	11.700	1.981	18.288	1.219	23.180	213.970	14.265
row 2,-1	PS side in	MPS 465	11.700	1.981	18.288	-1.219	23.180	213.970	-14.265
row 2,-2	PS side out1	MPS 465	11.700	1.981	18.288	-3.658	23.180	213.970	-42.794
row 3,2	SB side out	MPS 465	11.700	1.981	30.480	3.658	23.180	356.616	42.794
row 3,1	SB side in	MPS 465	11.700	1.981	30.480	1.219	23.180	356.616	14.265
row 3,-1	PS side in	MPS 465	11.700	1.981	30.480	-1.219	23.180	356.616	-14.265
row 3,-2	PS side out1	MPS 465	11.700	1.981	30.480	-3.658	23.180	356.616	-42.794
row 4,2	SB side out	MPS 465	11.700	1.981	42.672	3.658	23.180	499.262	42.794
row 4,1	SB side in	MPS 465	11.700	1.981	42.672	1.219	23.180	499.262	14.265
row 4,-1	PS side in	MPS 465	11.700	1.981	42.672	-1.219	23.180	499.262	-14.265
row 4,-2	PS side out1	MPS 465	11.700	1.981	42.672	-3.658	23.180	499.262	-42.794
row 4,-3	PS side out2	MPS 465	11.700	1.981	42.672	-6.096	23.180	499.262	-71.323
row 4,-4	PS side out3	MPS 465	11.700	1.981	42.672	-8.534	23.180	499.262	-99.852
row 5,2	SB side out	MPS 465	11.700	1.981	54.864	3.658	23.180	641.909	42.794
row 5,1	SB side in	MPS 465	11.700	1.981	54.864	1.219	23.180	641.909	14.265
row 5,-1	PS side in	MPS 465	11.700	1.981	54.864	-1.219	23.180	641.909	-14.265
row 5,-2	PS side out1	MPS 465	11.700	1.981	54.864	-3.658	23.180	641.909	-42.794
row 6,2	SB side out	MPS 465	11.700	1.981	67.056	3.658	23.180	784.555	42.794
row 6,1	SB side in	MPS 465	11.700	1.981	67.056	1.219	23.180	784.555	14.265
row 6,-1	PS side in	MPS 465	11.700	1.981	67.056	-1.219	23.180	784.555	-14.265
row 6,-2	PS side out1	MPS 465	11.700	1.981	67.056	-3.658	23.180	784.555	-42.794
row 7,2	SB side out	MPS 265	6.700	1.981	76.200	3.658	13.274	510.540	24.506
row 7,1	SB side in	MPS 265	6.700	1.981	76.200	1.219	13.274	510.540	8.169
row 7,-1	PS side in	MPS 265	6.700	1.981	76.200	-1.219	13.274	510.540	-8.169
row 7,-2	PS side out1	MPS 265	6.700	1.981	76.200	-3.658	13.274	510.540	-24.506
Total configuration			342.700	1.981	39.050	-0.708	678.957	13382.549	-242.499

MISCELLANEOUS ITEMS ON DECK

Spuds

The vessel is equipped with spuds.

The spud are grounded and have no influence on the pontoon.

The spud carriers are mounted to the pontoon and are taken into account in the calculations.

Description	Weight ton	VCG m	LCG m	TCG m	
Subtotals for group : Spuds					
Spud carrier 1	1.330	1.000	-0.550	1.219	-
Spud carrier 2	1.330	1.000	30.480	-5.427	-
Spud carrier 3	1.330	1.000	54.864	-5.427	-
Spud carrier 4	1.330	1.000	79.798	1.219	-
SUBTOTAL	5.320	1.000	41.148	-2.104	

Ramps

The vessel is equipped with ramps.

The end of the ramps rest on the pontoon.

The weights of the ramps resting on the pontoon are taken into account in the calculations and are estimated.

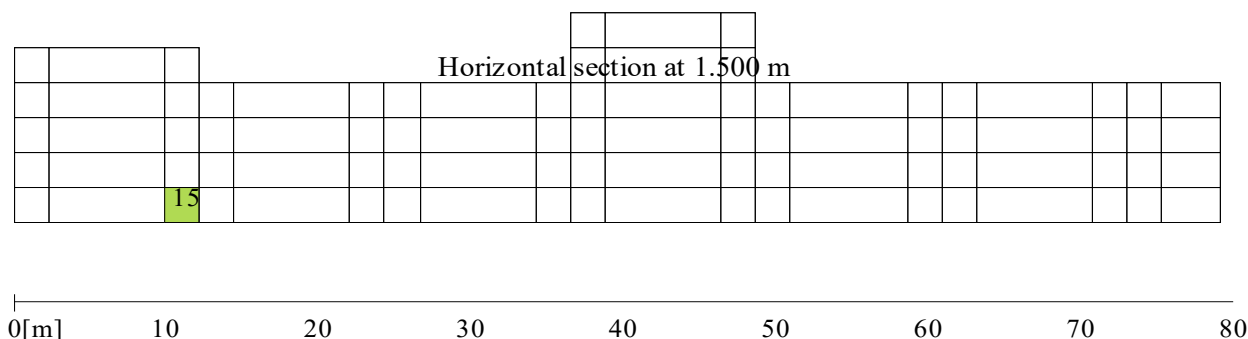
Also a railing will be mounted on the pontoon. An estimated weight is taken into account.

Description	Weight ton	VCG m	LCG m	TCG m	
railing & misc	1.000	2.500	39.620	0.285	
ramp row 1	1.000	2.000	0.500	-4.877	
ramp row 2	2.000	2.000	47.500	-10.254	
SUBTOTAL	5.320	1.000	41.148	-2.104	

WATER BALLAST

Due to the asymmetrical hull and the items on deck the empty vessel with equipment has a statical angle of heel.

A water ballast tank on SB has been filled with 6.30 ton to reduce the heel to almost 0.0 degrees.



EXTERNAL MOMENTS THAT AFFECT THE STABILITY

The external moments are :

- Wind moment (25 kg/m²)
- Passenger moment

PASSENGERS ON BOARD

Passengers can walk on board via the ramps on the PS of the pontoon.

The maximum number of passengers are calculated.

The number of persons is 2.5 person per m². The weight of a person is 75 kg.

For this pontoon the maximum number of persons is 2155.4 person.

Passenger moment.

The passenger moment has been calculated with 3.75 person per m².

The 2155.4 passengers will move to SB or to PS. Therefore the passenger moments are calculated to both sides.

The stability for each loading conditions is calculated to SB and to PS.

The pontoon has 7 rows of MPS units. The number of passengers and the moments are calculated per rectangle block/rows.

The calculations of passenger moments are presented in the table below.

	Length	Breadth	Area	max nr. of	weight of	lever pass	lever pass	mom pass	mom pass
position	[m]	[m]	[m]	passengers	passengers	3.75 p/m2	3.75 p/m2	3.75 p/m2	3.75 p/m2
					[ton]	PS [m]	SB [m]	PS [tonm]	SB [tonm]
row 1	12.19	12.19	148.64	371.6	27.87	3.251	0.813	90.614	22.653
row 2-3	24.38	9.75	237.83	594.6	44.59	1.626	1.626	72.491	72.491
row 4	12.19	14.63	178.37	445.9	33.45	4.877	0.000	163.105	0.000
row 5-6-7	30.48	9.75	297.29	743.2	55.74	1.626	1.626	90.614	90.614
Total passengers				2155.4	161.65	2.579	1.149	416.824	185.759

Position of passengers

	Weight	VCG	LCG	TCG	Vmom	Lmom	Tmom
passengers	[ton]	[m]	[m]	[m]	[tonm]	[tonm]	[tonm]
row 1	27.87	3.00	6.10	-1.22	83.61	169.90	-33.98
row 2-3	44.59	3.00	24.38	0.00	133.78	1087.37	0.00
row 4	33.45	3.00	42.67	-2.44	100.34	1427.17	-81.55
row 5-6-7	55.74	3.00	64.01	0.00	167.23	3567.92	0.00
	161.65	3.00	38.68	-0.71	484.95	6252.36	-115.53

STABILITY CRITERIA

Criteria are according regulation NR612 DT R01 MARCH 2023

Intact stability

CRITERIA :

- the residual safety clearance is not less than:
 - 0.30 m for weathertight apertures
 - 0.40 m for unprotected openings
- the residual freeboard value is at least 0.30 m
- The angle of list is not to exceed 10° and the base of the hull shall not emerge.

Calculated in stability software

Minimum metacentric height G'M
 Maximum statical angle of inclination due to wind- and passenger moment
 Distance between waterline and deck due to wind- and passenger moment
 Base of hull submerged (distance > 0)

Criterion	
0.150	meter
10.000	degrees SB
0.300	meter
0.000	meter

Damage stability

EXTEND OF DAMAGE

SIDE DAMAGE			BOTTOM DAMAGE		
Longitudinal	0.1*Lwl	7.925	Longitudinal	0.1*Lwl	7.925
Breadth	B/5	2.926	Breadth	B/5	2.926
Vertical	top/bottom		Vertical	0.59 m	

CRITERIA :

- Under the combined action of heeling moments, the residual freeboard and the residual safety clearance are not less than 0.10 m.

In each calculated loading condition the values criteria are calculated and presented.

Calculated damage cases

The following damage cases have been calculated :

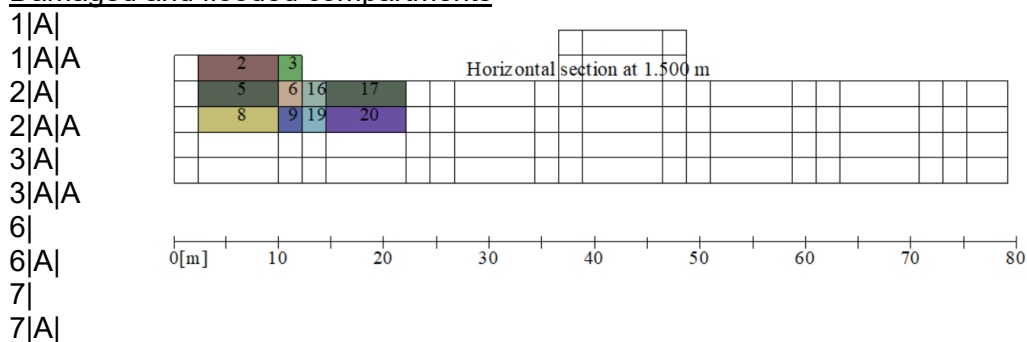
INPUTDATA DAMAGE CASES

pontoon 79.25x14.63x1.98m

19 Jan 2024 12:45:22

Damage case : AFT PS 3

Damaged and flooded compartments



Damage case : AFT SB 3

Damaged and flooded compartments

3|A|

3|A|A

4|A|

4|A|A

5|A|

5|A|A

7|

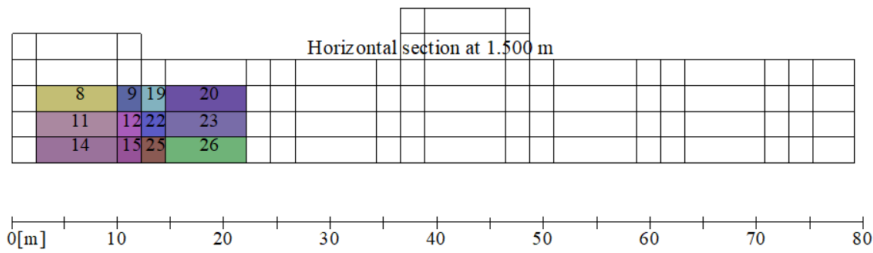
7|A|

8|

8|A|

9|

9|A|



Damage case : AFT SB 2

Damaged and flooded compartments

4|A|

4|A|A

5|A|

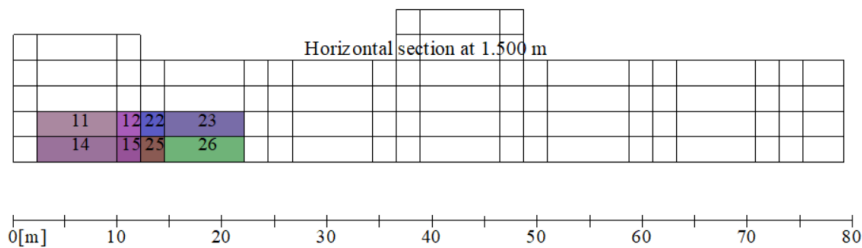
5|A|A

8|

8|A|

9|

9|A|



Damage case : 1/2 L PS 3

Damaged and flooded compartments

10|A|

10|A|A

14|

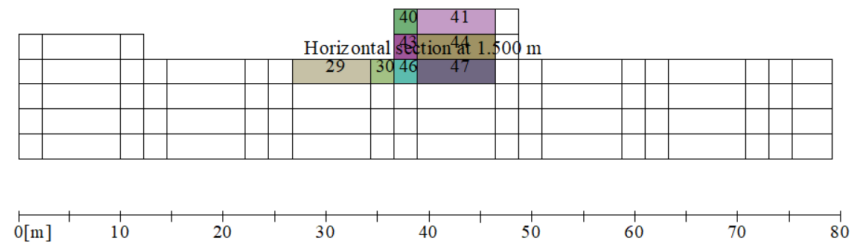
14|A|

15|

15|A|

16|

16|A|



Damage case : 1/2 L PS 2

Damaged and flooded compartments

10|A|

10|A|A

11|A|

11|A|A

15|

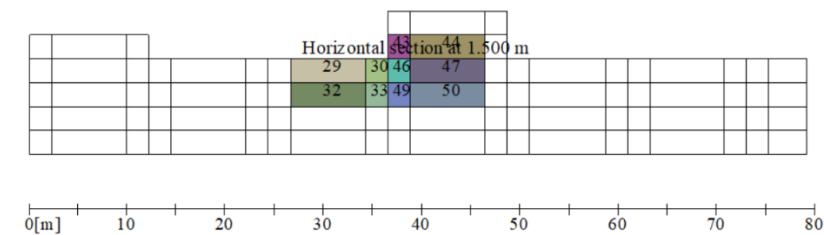
15|A|

16|

16|A|

17|

17|A|



Damage case : 1/2L PS in 3

Damaged and flooded compartments

14|A|

14|A|A

15|A|

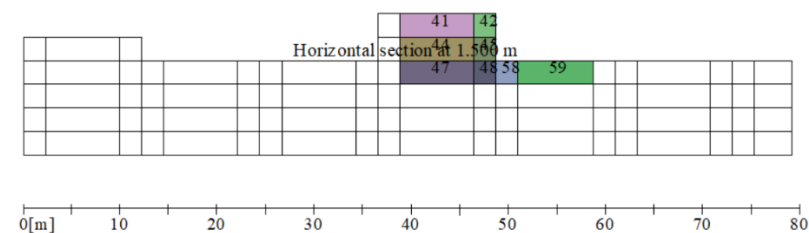
15|A|A

16|A|

16|A|A

20|

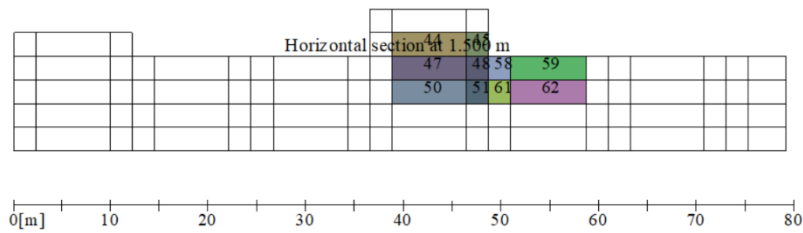
20|A|



Damage case : 1/2L PS in 2

Damaged and flooded compartments

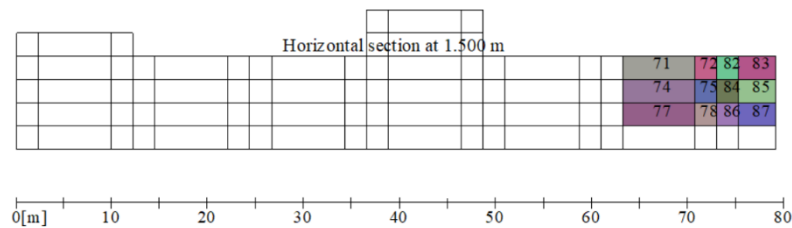
15|A|
15|A|A
16|A|
16|A|A
17|A|
17|A|A
20|
20|A|
21|
21|A|



Damage case : FORE PS 3

Damaged and flooded compartments

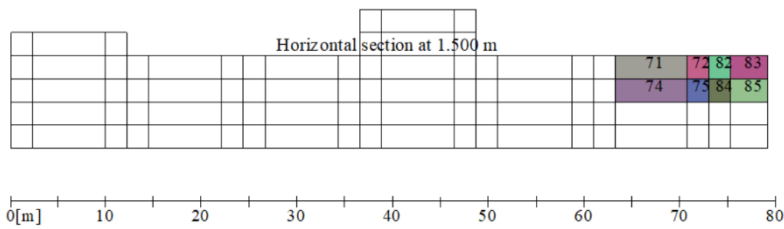
24|A|
24|A|A
25|A|
25|A|A
26|A|
26|A|A
28|
28|A
29|
29|A
30|
30|A



Damage case : FORE PS 2

Damaged and flooded compartments

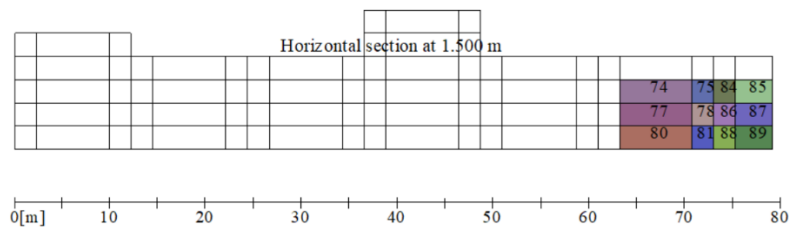
24|A|
24|A|A
25|A|
25|A|A
28|
28|A
29|
29|A



Damage case : FORE SB 3

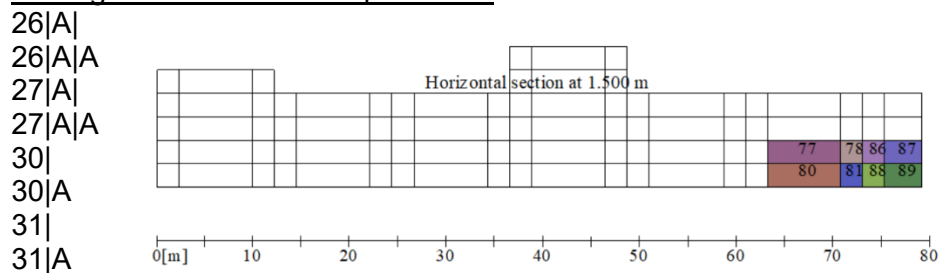
Damaged and flooded compartments

25|A|
25|A|A
26|A|
26|A|A
27|A|
27|A|A
29|
29|A
30|
30|A
31|
31|A



Damage case : FORE SB 2

Damaged and flooded compartments



LOADING CONDITIONS

For inland waterways the following situations are calculated :

light pontoon

Pontoon with equipment

Pontoon with equipment & 2155 passengers (max passengers)

Pontoon with equipment & 2155 passengers to PS

Pontoon with equipment & 2155 passengers to SB

Pontoon with equipment & passengers 2-7 to PS

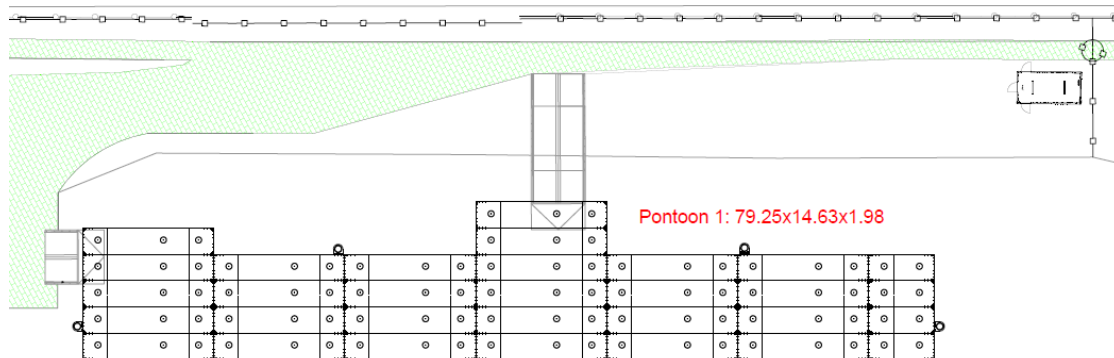
Pontoon with equipment & passengers 1-4 to PS

Pontoon with equipment & passengers fore & aft ship to PS

Pontoon with equipment & passengers on midship row 2-4 to PS

CONCLUSION AND RESULTS OF CALCULATIONS

The MPS pontoon 79.25*14.63*1.98 m is equipped spud carriers and railing. Also ramps are resting on the PS of the pontoon.



Passengers will be able to enter the pontoon via the ramps.

The maximum number of passengers on the pontoon is 2155 (based on 2.5 passenger/m²)

The passenger moments is due to crowded passengers to the side (based on 3.75 passenger/m²)

The loading conditions are tested to the NR612 rules for harbour equipment.

Intact and damage stability calculations have been performed.

Water ballast

Due to the asymmetrical hull and the items on deck the empty vessel with equipment has a statical angle of heel.

A water ballast tank on SB has been filled with 6.3 ton to reduce the heel to almost 0.0 degrees.

INTACT STABILITY

A summary of the calculated loading conditions is presented in the following table :

==INTACT STABILITY== condition	draft		trim	Angle of	Minimum	Minimum	Stability
	aft [m]	fore [m]	[m]	inclination [degr]	freeboard [m]	draft [m]	
Light pontoon	0.40	0.40	0.00	0.29 PS	1.54	0.37	OK
Pontoon with equipment	0.43	0.43	0.00	0.00	1.53	0.42	OK
Pontoon with equipm & 3716 passengers (max passeng	0.62	0.62	0.00	0.01 SB	1.34	0.59	OK
Pontoon with equipment & 3716 passengers to PS	0.62	0.62	0.00	1.88 PS	1.10	0.44	OK
Pontoon with equipment & 3716 passengers to SB	0.62	0.62	0.00	3.06 SB	1.07	0.22	OK

The vessel complies the intact stability criteria in all the calculated conditions. The minimum draft is 0.22 m (>0.0m) and the freeboard is 1.07 m (>0.3m)

DAMAGE STABILITY

The damage stability is calculated for the conditions with the passengers to the side.

A summary of the calculated damage cases is presented in the following table :

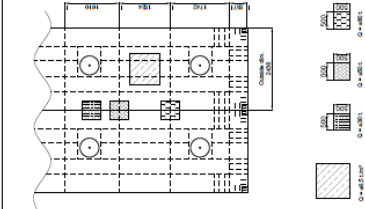
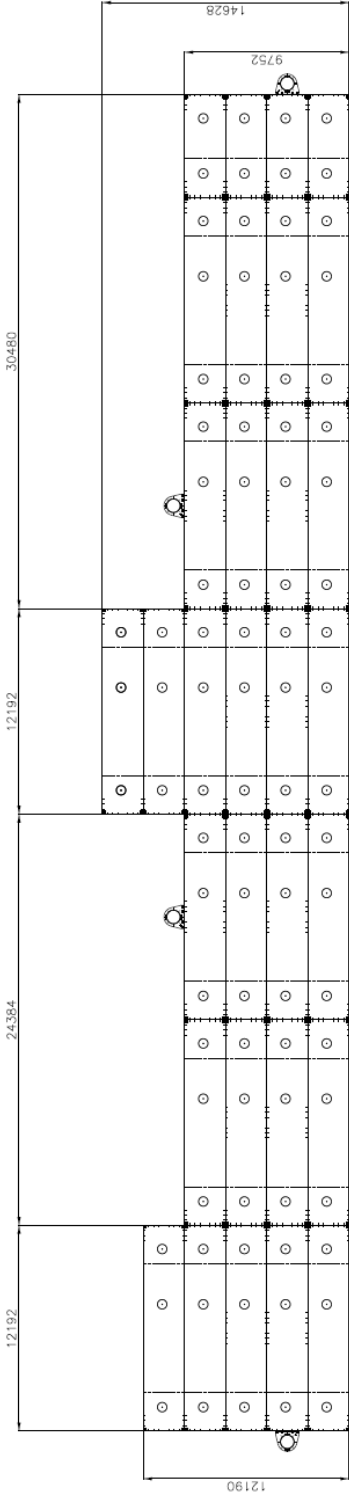
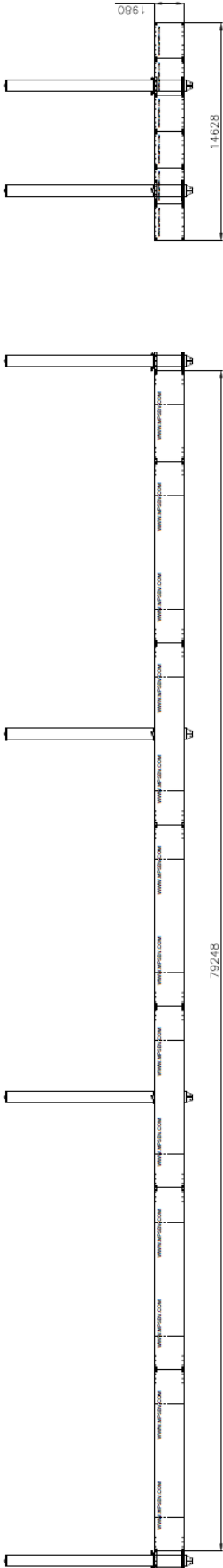
Per loading condition the worst damage case is given.

A summary of the all damage cases of all loading conditions can be found on page 456.


==DAMAGE STABILITY==	draft	trim	Angle of	Minimum	
damage case	aft [m]	fore [m]	inclination [degr]	freeboard [m]	Stability
==Pontoon with equipment					
Worst damage case : Damage case: AFT SB 3	0.77	0.30	-0.48	1.23 SB	1.09 OK
== Pontoon with equipment & 2155 passengers (max passengers)					
Worst damage case : Damage case: AFT SB 3	0.77	0.30	-0.48	1.23 SB	0.65 OK
== Pontoon with equipment & 2155 passengers to PS					
Worst damage case : Damage case: 1/2L PS in 3	0.53	0.78	0.25	6.59 PS	0.14 OK
== Pontoon with equipment & 2155 passengers to SB					
Worst damage case : Damage case: AFT SB 3	1.21	0.42	-0.80	3.38 SB	0.47 OK
== Pontoon with equipment & passengers 2-7 to PS					
Worst damage case : Damage case: 1/2L PS in 3	0.42	0.83	0.42	6.45 PS	0.18 OK
== Pontoon with equipment & passengers 1-4 to PS					
Worst damage case : Damage case: AFT PS 3	1.10	0.16	-0.94	5.03 PS	0.22 OK
== Pontoon with equipment & passengers fore & aft ship to PS					
Worst damage case : Damage case: 1/2L PS in 3	0.40	0.72	0.31	5.90 PS	0.35 OK
== Pontoon with equipment & passengers on midship row 2-4 to PS					
Worst damage case : Damage case: 1/2L PS in 3	0.48	0.61	0.13	6.18 PS	0.34 OK

The minimum freeboard in the calculations is 0.14 m (>0.1m).

REV	DATE	DOWN	CHKD	APPROV	REMARK
A	27-1-2023	SE			Updated systrames and pontoon



- Assembly consists:
- MPS container type 40' : 15 pcs
 - MPS container type 40' : 12 pcs
 - MPS container type 20' : 4 pcs
 - MPS container type 20'3P : 0 pcs



MODULAR PONTOON SYSTEMS BV
 Veedam 1, 5308 JH, Aalst (Gld) Holland
 Tel: +31(0)418-678086, Email: info@mps-bv.com

Project:
 General Arrangement
 Pontoon 1: 79,25x14,63x1,98

Scale: 1:200
 Date: 27-10-2023
 Checked by: 23_188
 Drawn by: SE

Sheet:
 1
 of
 1

Drawing:
 23_188-01.0
 Rev:
 A

Drawing Format: A2
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3. HYDROSTATIC PARTICULARS

HYDROSTATIC PARTICULARS

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:09

Trim = 0.000 m

Draft from base m	Displ. [density 1.0000] ton	Immer- sion ton/cm	Moment change trim tonm/cm	LCB from APP m	TCB from CL m	LCF from APP m	KM transv. m
0.200	172.39	8.62	55.37	38.677	-0.712	38.676	58.626
0.220	189.62	8.62	55.37	38.677	-0.712	38.676	53.315
0.240	206.86	8.62	55.37	38.677	-0.712	38.678	48.892
0.260	224.10	8.62	55.37	38.677	-0.712	38.678	45.150
0.280	241.34	8.62	55.37	38.677	-0.712	38.678	41.944
0.300	258.58	8.62	55.37	38.677	-0.712	38.677	39.166
0.320	275.82	8.62	55.37	38.677	-0.712	38.678	36.738
0.340	293.05	8.62	55.37	38.677	-0.712	38.678	34.597
0.360	310.29	8.62	55.37	38.677	-0.712	38.678	32.694
0.380	327.53	8.62	55.37	38.677	-0.712	38.677	30.993
0.400	344.77	8.62	55.37	38.677	-0.712	38.678	29.463
0.420	362.01	8.62	55.37	38.677	-0.712	38.676	28.079
0.440	379.25	8.62	55.37	38.677	-0.712	38.677	26.823
0.460	396.49	8.62	55.37	38.677	-0.712	38.678	25.676
0.480	413.72	8.62	55.37	38.677	-0.712	38.678	24.626
0.500	430.96	8.62	55.37	38.677	-0.712	38.674	23.659
0.520	448.20	8.62	55.37	38.677	-0.712	38.678	22.770
0.540	465.44	8.62	55.37	38.677	-0.712	38.677	21.946
0.560	482.68	8.62	55.37	38.677	-0.712	38.679	21.183
0.580	499.92	8.62	55.37	38.677	-0.712	38.674	20.471
0.600	517.16	8.62	55.37	38.677	-0.712	38.678	19.808
0.620	534.39	8.62	55.37	38.677	-0.712	38.676	19.189
0.640	551.63	8.62	55.37	38.677	-0.712	38.676	18.609
0.660	568.87	8.62	55.37	38.677	-0.712	38.677	18.065
0.680	586.11	8.62	55.37	38.677	-0.712	38.677	17.554
0.700	603.35	8.62	55.37	38.677	-0.712	38.676	17.072
0.720	620.59	8.62	55.37	38.677	-0.712	38.679	16.617
0.740	637.82	8.62	55.37	38.677	-0.712	38.671	16.188
0.760	655.06	8.62	55.37	38.677	-0.712	38.678	15.781
0.780	672.30	8.62	55.37	38.677	-0.712	38.679	15.396
0.800	689.54	8.62	55.37	38.677	-0.712	38.677	15.032

HYDROSTATIC PARTICULARS
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:09

Trim = 0.000 m

Draft from base m	Displ. [density 1.0000] ton	Immer- sion ton/cm	Moment change trim tonm/cm	LCB from APP m	TCB from CL m	LCF from APP m	KM transv. m
0.820	706.78	8.62	55.37	38.677	-0.712	38.677	14.685
0.840	724.02	8.62	55.37	38.677	-0.712	38.675	14.355
0.860	741.26	8.62	55.37	38.677	-0.712	38.677	14.040
0.880	758.49	8.62	55.37	38.677	-0.712	38.678	13.741
0.900	775.73	8.62	55.37	38.677	-0.712	38.679	13.456
0.920	792.97	8.62	55.37	38.677	-0.712	38.678	13.183
0.940	810.21	8.62	55.37	38.677	-0.712	38.677	12.923
0.960	827.45	8.62	55.37	38.677	-0.712	38.679	12.673
0.980	844.69	8.62	55.37	38.677	-0.712	38.677	12.434
1.000	861.92	8.62	55.37	38.677	-0.712	38.669	12.205
1.020	879.16	8.62	55.37	38.677	-0.712	38.679	11.986
1.040	896.40	8.62	55.37	38.677	-0.712	38.676	11.774
1.060	913.64	8.62	55.37	38.677	-0.712	38.676	11.573
1.080	930.88	8.62	55.37	38.677	-0.712	38.676	11.377
1.100	948.12	8.62	55.37	38.677	-0.712	38.675	11.191
1.120	965.36	8.62	55.37	38.677	-0.712	38.677	11.012
1.140	982.60	8.62	55.37	38.677	-0.712	38.676	10.838
1.160	999.83	8.62	55.37	38.677	-0.712	38.677	10.671
1.180	1017.07	8.62	55.37	38.677	-0.712	38.680	10.510
1.200	1034.31	8.62	55.37	38.677	-0.712	38.681	10.355
1.220	1051.55	8.62	55.37	38.677	-0.712	38.681	10.204
1.240	1068.79	8.62	55.37	38.677	-0.712	38.677	10.059
1.260	1086.03	8.62	55.37	38.677	-0.712	38.682	9.920
1.280	1103.27	8.62	55.37	38.677	-0.712	38.680	9.784
1.300	1120.50	8.62	55.37	38.677	-0.712	38.683	9.654
1.320	1137.74	8.62	55.37	38.677	-0.712	38.673	9.528
1.340	1154.98	8.62	55.37	38.677	-0.712	38.671	9.405
1.360	1172.22	8.62	55.37	38.677	-0.712	38.672	9.287
1.380	1189.46	8.62	55.37	38.677	-0.712	38.673	9.173
1.400	1206.69	8.62	55.37	38.677	-0.712	38.668	9.061
1.420	1223.93	8.62	55.37	38.677	-0.712	38.673	8.953

HYDROSTATIC PARTICULARS
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:09

Trim = 0.000 m

Draft from base m	Displ. [density 1.0000] ton	Immer- sion ton/cm	Moment change trim tonm/cm	LCB from APP m	TCB from CL m	LCF from APP m	KM transv. m
1.440	1241.17	8.62	55.37	38.677	-0.712	38.674	8.849
1.460	1258.41	8.62	55.37	38.677	-0.712	38.671	8.747
1.480	1275.65	8.62	55.37	38.677	-0.712	38.669	8.649
1.500	1292.89	8.62	55.37	38.677	-0.712	38.681	8.554
1.520	1310.13	8.62	55.37	38.677	-0.712	38.682	8.461
1.540	1327.37	8.62	55.37	38.677	-0.712	38.680	8.370
1.560	1344.60	8.62	55.37	38.677	-0.712	38.683	8.283
1.580	1361.84	8.62	55.37	38.677	-0.712	38.680	8.198
1.600	1379.08	8.62	55.37	38.677	-0.712	38.680	8.116
1.620	1396.32	8.62	55.37	38.677	-0.712	38.683	8.035
1.640	1413.56	8.62	55.37	38.677	-0.712	38.676	7.957
1.660	1430.80	8.62	55.37	38.677	-0.712	38.658	7.881
1.680	1448.04	8.62	55.37	38.677	-0.712	38.670	7.807
1.700	1465.27	8.62	55.37	38.677	-0.712	38.668	7.735
1.720	1482.51	8.62	55.37	38.677	-0.712	38.665	7.665
1.740	1499.75	8.62	55.37	38.677	-0.712	38.664	7.597
1.760	1516.99	8.62	55.37	38.677	-0.712	38.666	7.531
1.780	1534.23	8.62	55.37	38.677	-0.712	38.666	7.466
1.800	1551.46	8.62	55.37	38.677	-0.712	38.666	7.403

4. LOADING CONDITIONS

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:58

Loading condition : light pontoon

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : WB							
1	0.0	1.0000	0.000	0.000	1.147	-6.096	0.000
1 A	0.0	1.0000	0.000	0.000	6.104	-6.096	0.000
1 A A	0.0	1.0000	0.000	0.000	11.053	-6.096	0.000
2	0.0	1.0000	0.000	0.000	1.147	-3.657	0.000
2 A	0.0	1.0000	0.000	0.000	6.104	-3.657	0.000
2 A A	0.0	1.0000	0.000	0.000	11.053	-3.657	0.000
3	0.0	1.0000	0.000	0.000	1.147	-1.219	0.000
3 A	0.0	1.0000	0.000	0.000	6.104	-1.219	0.000
3 A A	0.0	1.0000	0.000	0.000	11.053	-1.219	0.000
4	0.0	1.0000	0.000	0.000	1.147	1.219	0.000
4 A	0.0	1.0000	0.000	0.000	6.104	1.219	0.000
4 A A	0.0	1.0000	0.000	0.000	11.053	1.219	0.000
5	0.0	1.0000	0.000	0.000	1.147	3.657	0.000
5 A	0.0	1.0000	0.000	0.000	6.104	3.657	0.000
5 A A	0.0	1.0000	0.000	0.000	11.053	3.657	0.000
6	0.0	1.0000	0.000	0.000	13.339	-3.657	0.000
6 A	0.0	1.0000	0.000	0.000	18.296	-3.657	0.000
6 A A	0.0	1.0000	0.000	0.000	23.245	-3.657	0.000
7	0.0	1.0000	0.000	0.000	13.339	-1.219	0.000
7 A	0.0	1.0000	0.000	0.000	18.296	-1.219	0.000
7 A A	0.0	1.0000	0.000	0.000	23.245	-1.219	0.000
8	0.0	1.0000	0.000	0.000	13.339	1.219	0.000
8 A	0.0	1.0000	0.000	0.000	18.296	1.219	0.000
8 A A	0.0	1.0000	0.000	0.000	23.245	1.219	0.000
9	0.0	1.0000	0.000	0.000	13.339	3.657	0.000
9 A	0.0	1.0000	0.000	0.000	18.296	3.657	0.000
9 A A	0.0	1.0000	0.000	0.000	23.245	3.657	0.000
10	0.0	1.0000	0.000	0.000	25.531	-3.657	0.000
10 A	0.0	1.0000	0.000	0.000	30.488	-3.657	0.000
10 A A	0.0	1.0000	0.000	0.000	35.437	-3.657	0.000
11	0.0	1.0000	0.000	0.000	25.531	-1.219	0.000
11 A	0.0	1.0000	0.000	0.000	30.488	-1.219	0.000
11 A A	0.0	1.0000	0.000	0.000	35.437	-1.219	0.000
12	0.0	1.0000	0.000	0.000	25.531	1.219	0.000
12 A	0.0	1.0000	0.000	0.000	30.488	1.219	0.000
12 A A	0.0	1.0000	0.000	0.000	35.437	1.219	0.000
13	0.0	1.0000	0.000	0.000	25.531	3.657	0.000
13 A	0.0	1.0000	0.000	0.000	30.488	3.657	0.000
13 A A	0.0	1.0000	0.000	0.000	35.437	3.657	0.000
14	0.0	1.0000	0.000	0.000	37.723	-8.526	0.000
14 A	0.0	1.0000	0.000	0.000	42.680	-8.526	0.000
14 A A	0.0	1.0000	0.000	0.000	47.629	-8.526	0.000
15	0.0	1.0000	0.000	0.000	37.723	-6.096	0.000
15 A	0.0	1.0000	0.000	0.000	42.680	-6.096	0.000
15 A A	0.0	1.0000	0.000	0.000	47.629	-6.096	0.000
16	0.0	1.0000	0.000	0.000	37.723	-3.657	0.000

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:58

Loading condition : light pontoon

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Subtotals for group (continued) : WB							
16 A	0.0	1.0000	0.000	0.000	42.680	-3.657	0.000
16 A A	0.0	1.0000	0.000	0.000	47.629	-3.657	0.000
17	0.0	1.0000	0.000	0.000	37.723	-1.219	0.000
17 A	0.0	1.0000	0.000	0.000	42.680	-1.219	0.000
17 A A	0.0	1.0000	0.000	0.000	47.629	-1.219	0.000
18	0.0	1.0000	0.000	0.000	37.723	1.219	0.000
18 A	0.0	1.0000	0.000	0.000	42.680	1.219	0.000
18 A A	0.0	1.0000	0.000	0.000	47.629	1.219	0.000
19	0.0	1.0000	0.000	0.000	37.723	3.657	0.000
19 A	0.0	1.0000	0.000	0.000	42.680	3.657	0.000
19 A A	0.0	1.0000	0.000	0.000	47.629	3.657	0.000
20	0.0	1.0000	0.000	0.000	49.915	-3.657	0.000
20 A	0.0	1.0000	0.000	0.000	54.872	-3.657	0.000
20 A A	0.0	1.0000	0.000	0.000	59.821	-3.657	0.000
21	0.0	1.0000	0.000	0.000	49.915	-1.219	0.000
21 A	0.0	1.0000	0.000	0.000	54.872	-1.219	0.000
21 A A	0.0	1.0000	0.000	0.000	59.821	-1.219	0.000
22	0.0	1.0000	0.000	0.000	49.915	1.219	0.000
22 A	0.0	1.0000	0.000	0.000	54.872	1.219	0.000
22 A A	0.0	1.0000	0.000	0.000	59.821	1.219	0.000
23	0.0	1.0000	0.000	0.000	49.915	3.657	0.000
23 A	0.0	1.0000	0.000	0.000	54.872	3.657	0.000
23 A A	0.0	1.0000	0.000	0.000	59.821	3.657	0.000
24	0.0	1.0000	0.000	0.000	62.107	-3.657	0.000
24 A	0.0	1.0000	0.000	0.000	67.064	-3.657	0.000
24 A A	0.0	1.0000	0.000	0.000	72.013	-3.657	0.000
25	0.0	1.0000	0.000	0.000	62.107	-1.219	0.000
25 A	0.0	1.0000	0.000	0.000	67.064	-1.219	0.000
25 A A	0.0	1.0000	0.000	0.000	72.013	-1.219	0.000
26	0.0	1.0000	0.000	0.000	62.107	1.219	0.000
26 A	0.0	1.0000	0.000	0.000	67.064	1.219	0.000
26 A A	0.0	1.0000	0.000	0.000	72.013	1.219	0.000
27	0.0	1.0000	0.000	0.000	62.107	3.657	0.000
27 A	0.0	1.0000	0.000	0.000	67.064	3.657	0.000
27 A A	0.0	1.0000	0.000	0.000	72.013	3.657	0.000
28	0.0	1.0000	0.000	0.000	74.299	-3.657	0.000
28 A	0.0	1.0000	0.000	0.000	77.347	-3.657	0.000
29	0.0	1.0000	0.000	0.000	74.299	-1.219	0.000
29 A	0.0	1.0000	0.000	0.000	77.347	-1.219	0.000
30	0.0	1.0000	0.000	0.000	74.299	1.219	0.000
30 A	0.0	1.0000	0.000	0.000	77.347	1.219	0.000
31	0.0	1.0000	0.000	0.000	74.299	3.657	0.000
31 A	0.0	1.0000	0.000	0.000	77.347	3.657	0.000
SUBTOTAL	0.0	-	0.000	0.000	0.000	0.000	0.000
TOTAL	-	-	342.700	1.981	39.050	-0.708	0.000

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:58

Loading condition : light pontoon

Hydrostatics

Volume	342.701	m ³
LCF	38.677	m
Mom. change trim	55.372	tonm/cm
Ton/cm immersion	8.619	ton/cm
Density	1.0000	ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.398 m
Draft aft (App)	0.386 m
Draft fore (Fpp)	0.409 m
Trim	0.023 m

Transverse stability

KM transverse	29.638	m		
VCG	1.981	m		
GM solid	27.657	m		
GG' correction	0.000	m		
G'M liquid	27.657	m	VCG'	1.981 m

The stability values are calculated for the actual trim.

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-5.619	2.375	-3.582	-1.716	-0.354	-1.513	2.994
50.00	PS	-3.558	1.637	-4.244	-1.518	-0.455	-2.272	2.663
40.00	PS	-2.221	1.177	-4.755	-1.273	-0.542	-2.940	2.206
35.00	PS	-1.699	1.004	-4.942	-1.136	-0.580	-3.226	1.937
30.00	PS	-1.241	0.850	-5.073	-0.991	-0.613	-3.469	1.644
25.00	PS	-0.836	0.694	-5.138	-0.837	-0.641	-3.659	1.333
20.00	PS	-0.472	0.525	-5.111	-0.678	-0.665	-3.769	1.008
15.00	PS	-0.147	0.361	-4.939	-0.513	-0.684	-3.743	0.679
10.00	PS	0.137	0.222	-4.432	-0.344	-0.697	-3.391	0.365
5.00	PS	0.331	0.098	-3.220	-0.173	-0.705	-2.342	0.105
2.00	PS	0.373	0.049	-1.739	-0.069	-0.707	-0.963	0.017
0.00		0.398	0.023	-0.709	0.000	-0.708	-0.001	0.000
2.00	SB	0.422	-0.003	0.322	0.069	-0.707	0.961	0.017
5.00	SB	0.443	-0.038	1.582	0.173	-0.705	2.115	0.100
10.00	SB	0.375	-0.054	2.575	0.344	-0.697	2.927	0.327
15.00	SB	0.215	-0.066	3.012	0.513	-0.684	3.183	0.596
20.00	SB	-0.001	-0.077	3.258	0.678	-0.665	3.245	0.877
25.00	SB	-0.266	-0.089	3.401	0.837	-0.641	3.205	1.159
30.00	SB	-0.565	-0.109	3.448	0.991	-0.613	3.071	1.434
35.00	SB	-0.895	-0.133	3.420	1.136	-0.580	2.863	1.693
40.00	SB	-1.269	-0.159	3.339	1.273	-0.542	2.608	1.932

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : light pontoon

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
50.00	SB	-2.219	-0.226	3.061	1.518	-0.455	1.998	2.336
60.00	SB	-3.674	-0.329	2.662	1.716	-0.354	1.300	2.625

Statical angle of inclination is 0.00 degrees

Contour : No deck cargo

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.398 m
Trim	0.023 m
Statical angle of inclination	0.00 degrees
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	27.657 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.003 degrees SB
Distance between waterline and deck due to wind- and passenger moment	0.300	1.569 meter
Base of hull submerged (distance > 0)	0.000	-0.384 meter

Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	27.657 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.003 degrees SB
Distance between waterline and deck due to wind- and passenger moment	0.300	1.569 meter
Base of hull submerged (distance > 0)	0.000	-0.384 meter

VCG'

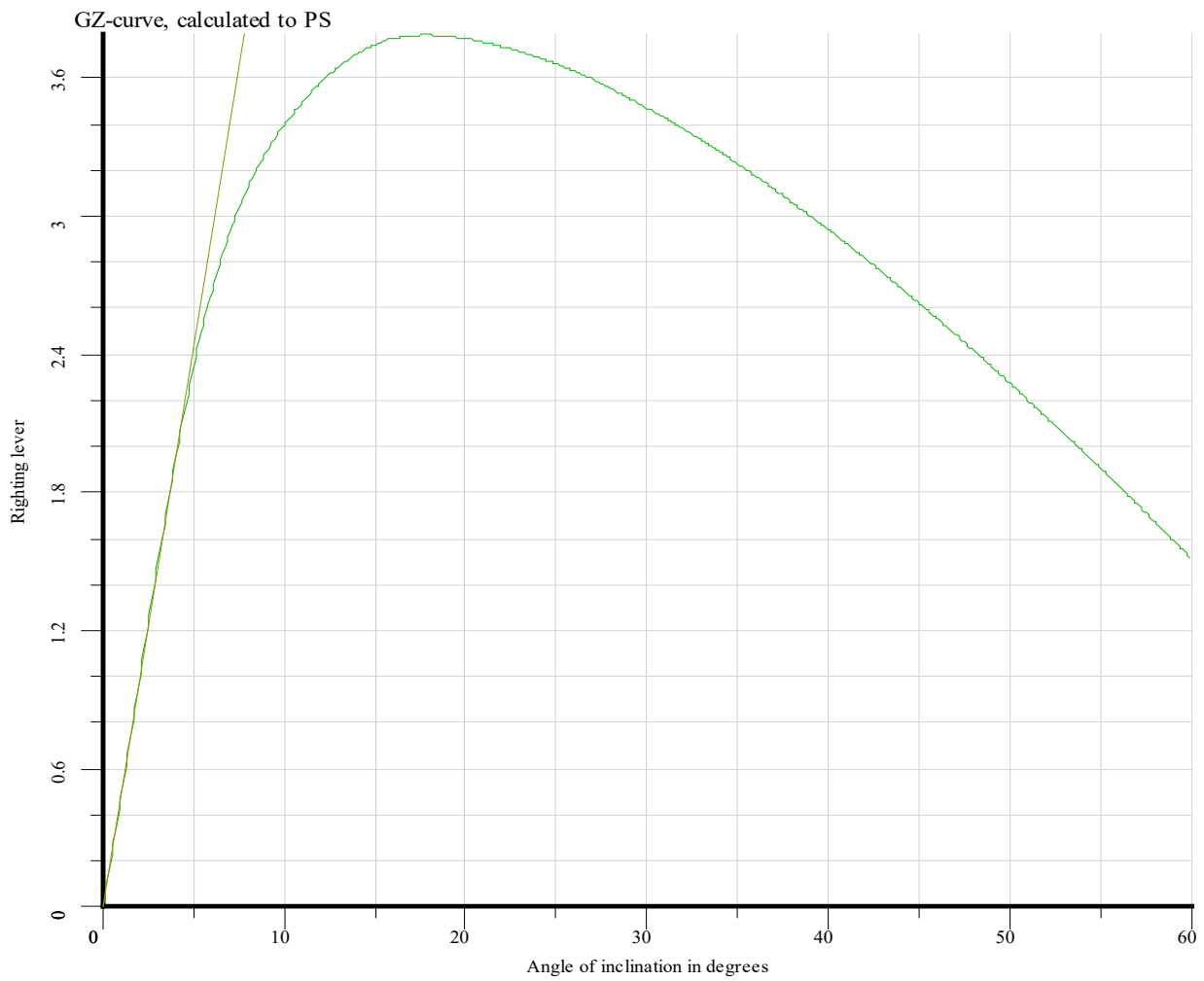
Maximum allowable PS	29.488 m
Maximum allowable SB	29.488 m
Maximum allowable	29.488 m
Actual	1.981 m

Loading condition complies with the stated criteria.

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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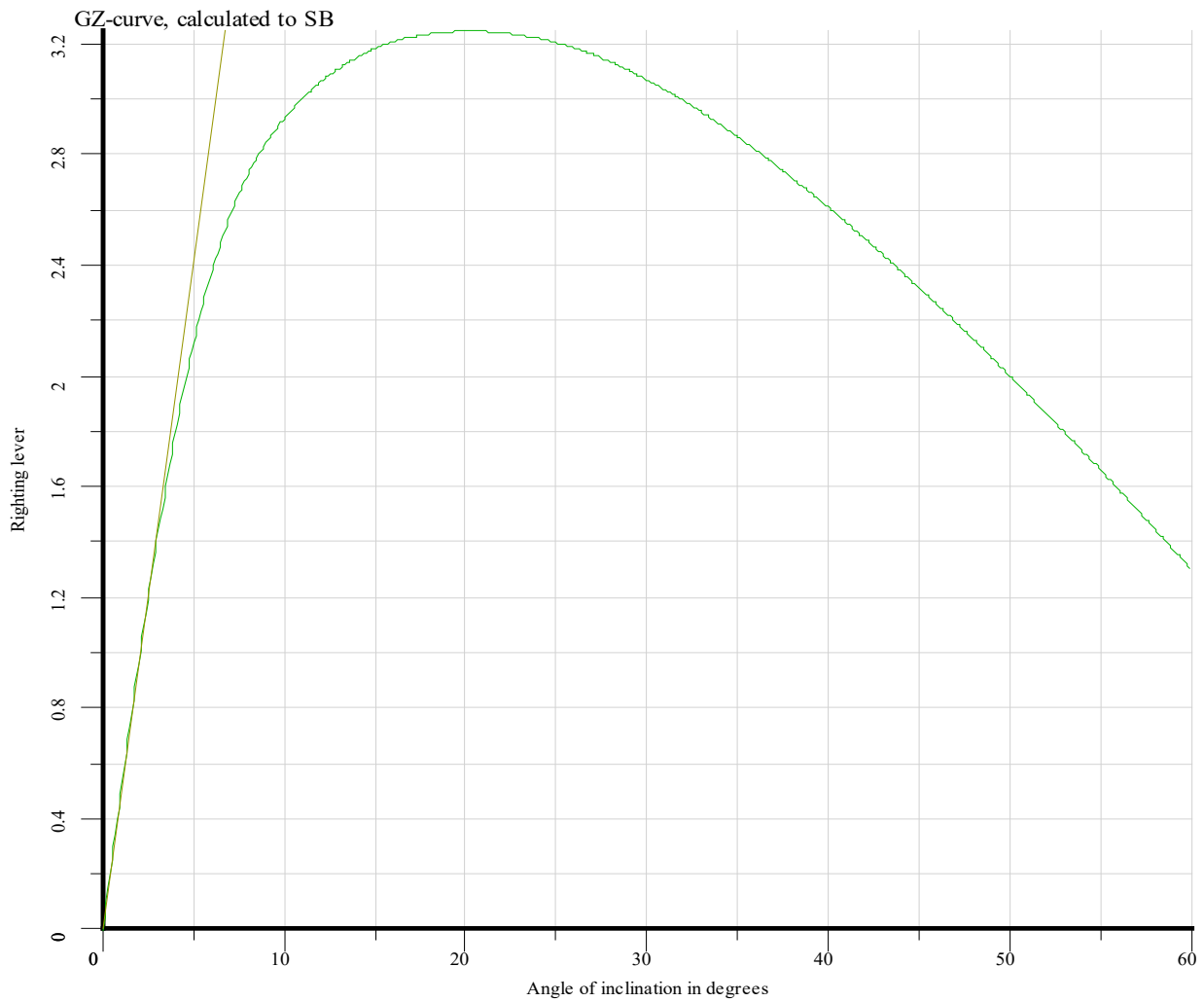
Loading condition : light pontoon



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : light pontoon



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : light pontoon

Draft at equilibrium at selected locations

Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.386
aft SB	0.000	4.877	0.000	-0.387
mid aft PS	36.576	-9.754	0.000	-0.397
mid aft SB	36.576	4.877	0.000	-0.397
mid fore PS	48.768	-9.754	0.000	-0.400
mid fore SB	48.768	4.877	0.000	-0.401
fore PS	79.350	-4.877	0.000	-0.409
fore SB	79.350	4.877	0.000	-0.410

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : light pontoon

Wind contour : No deck cargo

0[m]		10	20	30	40	50	60	70	80
1	1					2	1 A		
3	1 A A					4	2		
5	2 A					6	2 A A		
7	3					8	3 A		
9	3 A A					10	4		
11	4 A					12	4 A A		
13	5					14	5 A		
15	5 A A					16	6		
17	6 A					18	6 A A		
19	7					20	7 A		
21	7 A A					22	8		
23	8 A					24	8 A A		
25	9					26	9 A		
27	9 A A					28	10		
29	10 A					30	10 A A		
31	11					32	11 A		
33	11 A A					34	12		
35	12 A					36	12 A A		
37	13					38	13 A		
39	13 A A					40	14		
41	14 A					42	14 A A		
43	15					44	15 A		
45	15 A A					46	16		
47	16 A					48	16 A A		
49	17					50	17 A		
51	17 A A					52	18		
53	18 A					54	18 A A		
55	19					56	19 A		
57	19 A A					58	20		
59	20 A					60	20 A A		
61	21					62	21 A		
63	21 A A					64	22		
65	22 A					66	22 A A		
67	23					68	23 A		
69	23 A A					70	24		
71	24 A					72	24 A A		
73	25					74	25 A		
75	25 A A					76	26		

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : light pontoon

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77 26|A|
79 27|
81 27|A|A
83 28|A
85 29|A
87 30|A
89 31|A

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78 26|A|A
80 27|A|
82 28|
84 29|
86 30|
88 31|

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			Horizontal Section at 1.500 m																			
						40			41			42										
						43			44			45										
1	2	3	4	5	6	16	17	18	28	29	30	46	47	48	58	59	60	70	71	72	82	83
7	8	9	19	20	21	31	32	33	49	50	51	61	62	63	73	74	75	84	85			
10	11	12	22	23	24	34	35	36	52	53	54	64	65	66	76	77	78	86	87			
13	14	15	25	26	27	37	38	39	55	56	57	67	68	69	79	80	81	88	89			

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
1	0.0	1.0000	0.000	0.000	1.147	-6.096	0.000
1 A	0.0	1.0000	0.000	0.000	6.104	-6.096	0.000
1 A A	0.0	1.0000	0.000	0.000	11.053	-6.096	0.000
2	0.0	1.0000	0.000	0.000	1.147	-3.657	0.000
2 A	0.0	1.0000	0.000	0.000	6.104	-3.657	0.000
2 A A	0.0	1.0000	0.000	0.000	11.053	-3.657	0.000
3	0.0	1.0000	0.000	0.000	1.147	-1.219	0.000
3 A	0.0	1.0000	0.000	0.000	6.104	-1.219	0.000
3 A A	0.0	1.0000	0.000	0.000	11.053	-1.219	0.000
4	0.0	1.0000	0.000	0.000	1.147	1.219	0.000
4 A	0.0	1.0000	0.000	0.000	6.104	1.219	0.000
4 A A	0.0	1.0000	0.000	0.000	11.053	1.219	0.000
5	0.0	1.0000	0.000	0.000	1.147	3.657	0.000
5 A	0.0	1.0000	0.000	0.000	6.104	3.657	0.000
5 A A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
6	0.0	1.0000	0.000	0.000	13.339	-3.657	0.000
6 A	0.0	1.0000	0.000	0.000	18.296	-3.657	0.000
6 A A	0.0	1.0000	0.000	0.000	23.245	-3.657	0.000
7	0.0	1.0000	0.000	0.000	13.339	-1.219	0.000
7 A	0.0	1.0000	0.000	0.000	18.296	-1.219	0.000
7 A A	0.0	1.0000	0.000	0.000	23.245	-1.219	0.000
8	0.0	1.0000	0.000	0.000	13.339	1.219	0.000
8 A	0.0	1.0000	0.000	0.000	18.296	1.219	0.000
8 A A	0.0	1.0000	0.000	0.000	23.245	1.219	0.000
9	0.0	1.0000	0.000	0.000	13.339	3.657	0.000
9 A	0.0	1.0000	0.000	0.000	18.296	3.657	0.000
9 A A	0.0	1.0000	0.000	0.000	23.245	3.657	0.000
10	0.0	1.0000	0.000	0.000	25.531	-3.657	0.000
10 A	0.0	1.0000	0.000	0.000	30.488	-3.657	0.000
10 A A	0.0	1.0000	0.000	0.000	35.437	-3.657	0.000
11	0.0	1.0000	0.000	0.000	25.531	-1.219	0.000
11 A	0.0	1.0000	0.000	0.000	30.488	-1.219	0.000

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Subtotals for group (continued) : WB							
11 A A	0.0	1.0000	0.000	0.000	35.437	-1.219	0.000
12	0.0	1.0000	0.000	0.000	25.531	1.219	0.000
12 A	0.0	1.0000	0.000	0.000	30.488	1.219	0.000
12 A A	0.0	1.0000	0.000	0.000	35.437	1.219	0.000
13	0.0	1.0000	0.000	0.000	25.531	3.657	0.000
13 A	0.0	1.0000	0.000	0.000	30.488	3.657	0.000
13 A A	0.0	1.0000	0.000	0.000	35.437	3.657	0.000
14	0.0	1.0000	0.000	0.000	37.723	-8.526	0.000
14 A	0.0	1.0000	0.000	0.000	42.680	-8.526	0.000
14 A A	0.0	1.0000	0.000	0.000	47.629	-8.526	0.000
15	0.0	1.0000	0.000	0.000	37.723	-6.096	0.000
15 A	0.0	1.0000	0.000	0.000	42.680	-6.096	0.000
15 A A	0.0	1.0000	0.000	0.000	47.629	-6.096	0.000
16	0.0	1.0000	0.000	0.000	37.723	-3.657	0.000
16 A	0.0	1.0000	0.000	0.000	42.680	-3.657	0.000
16 A A	0.0	1.0000	0.000	0.000	47.629	-3.657	0.000
17	0.0	1.0000	0.000	0.000	37.723	-1.219	0.000
17 A	0.0	1.0000	0.000	0.000	42.680	-1.219	0.000
17 A A	0.0	1.0000	0.000	0.000	47.629	-1.219	0.000
18	0.0	1.0000	0.000	0.000	37.723	1.219	0.000
18 A	0.0	1.0000	0.000	0.000	42.680	1.219	0.000
18 A A	0.0	1.0000	0.000	0.000	47.629	1.219	0.000
19	0.0	1.0000	0.000	0.000	37.723	3.657	0.000
19 A	0.0	1.0000	0.000	0.000	42.680	3.657	0.000
19 A A	0.0	1.0000	0.000	0.000	47.629	3.657	0.000
20	0.0	1.0000	0.000	0.000	49.915	-3.657	0.000
20 A	0.0	1.0000	0.000	0.000	54.872	-3.657	0.000
20 A A	0.0	1.0000	0.000	0.000	59.821	-3.657	0.000
21	0.0	1.0000	0.000	0.000	49.915	-1.219	0.000
21 A	0.0	1.0000	0.000	0.000	54.872	-1.219	0.000
21 A A	0.0	1.0000	0.000	0.000	59.821	-1.219	0.000
22	0.0	1.0000	0.000	0.000	49.915	1.219	0.000
22 A	0.0	1.0000	0.000	0.000	54.872	1.219	0.000
22 A A	0.0	1.0000	0.000	0.000	59.821	1.219	0.000
23	0.0	1.0000	0.000	0.000	49.915	3.657	0.000
23 A	0.0	1.0000	0.000	0.000	54.872	3.657	0.000
23 A A	0.0	1.0000	0.000	0.000	59.821	3.657	0.000
24	0.0	1.0000	0.000	0.000	62.107	-3.657	0.000
24 A	0.0	1.0000	0.000	0.000	67.064	-3.657	0.000
24 A A	0.0	1.0000	0.000	0.000	72.013	-3.657	0.000
25	0.0	1.0000	0.000	0.000	62.107	-1.219	0.000
25 A	0.0	1.0000	0.000	0.000	67.064	-1.219	0.000
25 A A	0.0	1.0000	0.000	0.000	72.013	-1.219	0.000
26	0.0	1.0000	0.000	0.000	62.107	1.219	0.000
26 A	0.0	1.0000	0.000	0.000	67.064	1.219	0.000
26 A A	0.0	1.0000	0.000	0.000	72.013	1.219	0.000
27	0.0	1.0000	0.000	0.000	62.107	3.657	0.000
27 A	0.0	1.0000	0.000	0.000	67.064	3.657	0.000

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Subtotals for group (continued) : WB							
27 A A	0.0	1.0000	0.000	0.000	72.013	3.657	0.000
28	0.0	1.0000	0.000	0.000	74.299	-3.657	0.000
28 A	0.0	1.0000	0.000	0.000	77.347	-3.657	0.000
29	0.0	1.0000	0.000	0.000	74.299	-1.219	0.000
29 A	0.0	1.0000	0.000	0.000	77.347	-1.219	0.000
30	0.0	1.0000	0.000	0.000	74.299	1.219	0.000
30 A	0.0	1.0000	0.000	0.000	77.347	1.219	0.000
31	0.0	1.0000	0.000	0.000	74.299	3.657	0.000
31 A	0.0	1.0000	0.000	0.000	77.347	3.657	0.000
SUBTOTAL	0.4	1.0000	6.300	0.579	11.053	3.657	2.699
TOTAL	-	-	358.320	1.943	38.530	-0.714	2.699

Hydrostatics

Volume	358.326 m ³
LCF	38.677 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.416 m
Draft aft (App)	0.420 m
Draft fore (Fpp)	0.411 m
Trim	-0.010 m

Transverse stability

KM transverse	28.364 m		
VCG	1.943 m		
GM solid	26.420 m		
GG' correction	0.008 m		
G'M liquid	26.413 m	VCG'	1.951 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:59

Loading condition : Pontoon with equipment

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-5.446	2.046	-3.550	-1.690	-0.357	-1.503	2.949
50.00	PS	-3.438	1.408	-4.203	-1.494	-0.459	-2.249	2.621
40.00	PS	-2.132	1.004	-4.705	-1.254	-0.547	-2.904	2.169
35.00	PS	-1.622	0.855	-4.888	-1.119	-0.585	-3.184	1.903
30.00	PS	-1.175	0.724	-5.016	-0.975	-0.618	-3.422	1.615
25.00	PS	-0.780	0.592	-5.079	-0.824	-0.647	-3.608	1.308
20.00	PS	-0.427	0.445	-5.053	-0.667	-0.671	-3.715	0.987
15.00	PS	-0.110	0.293	-4.878	-0.505	-0.689	-3.684	0.663
10.00	PS	0.166	0.167	-4.373	-0.339	-0.703	-3.331	0.354
5.00	PS	0.351	0.061	-3.142	-0.170	-0.711	-2.261	0.100
2.00	PS	0.391	0.017	-1.700	-0.068	-0.713	-0.919	0.016
0.00		0.416	-0.010	-0.714	0.000	-0.714	-0.000	0.000
2.00	SB	0.440	-0.036	0.273	0.068	-0.713	0.918	0.016
5.00	SB	0.463	-0.075	1.511	0.170	-0.711	2.052	0.096
10.00	SB	0.402	-0.105	2.523	0.339	-0.703	2.887	0.319
15.00	SB	0.249	-0.129	2.973	0.505	-0.689	3.157	0.585
20.00	SB	0.039	-0.150	3.227	0.667	-0.671	3.231	0.864
25.00	SB	-0.219	-0.176	3.373	0.824	-0.647	3.196	1.146
30.00	SB	-0.507	-0.218	3.418	0.975	-0.618	3.060	1.419
35.00	SB	-0.826	-0.265	3.389	1.119	-0.585	2.854	1.678
40.00	SB	-1.186	-0.317	3.308	1.254	-0.547	2.601	1.916
50.00	SB	-2.100	-0.451	3.033	1.494	-0.459	1.997	2.319
60.00	SB	-3.502	-0.655	2.640	1.690	-0.357	1.307	2.608

Statical angle of inclination is 0.00 degrees

Contour : with deck cargo

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:59

Loading condition : Pontoon with equipment

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.416 m
Trim	-0.010 m
Statcal angle of inclination	0.00 degrees
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	26.413 meter
Maximum statcal angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.549 meter
Base of hull submerged (distance > 0)	0.000	-0.402 meter

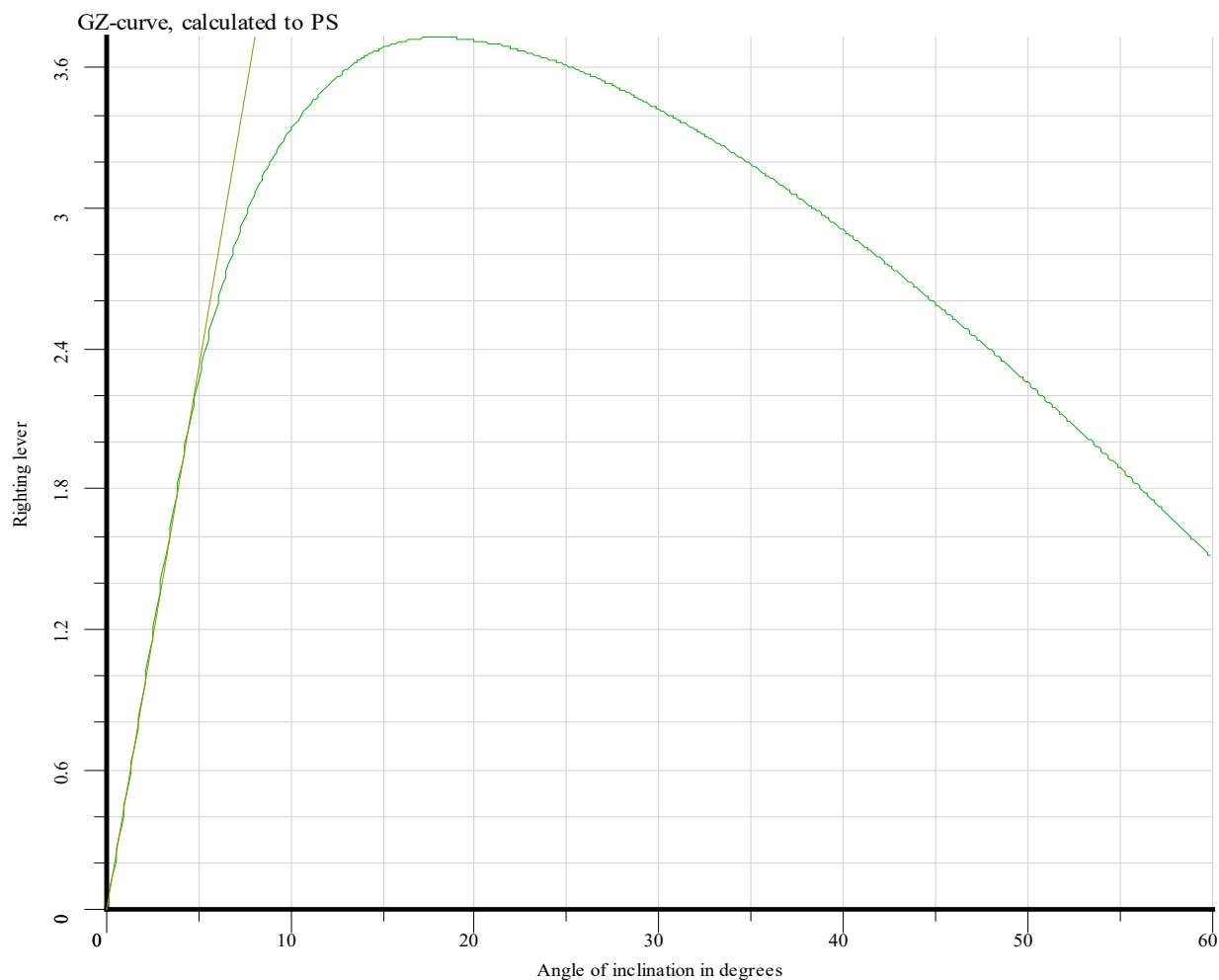
Calculated to SB

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	26.413 meter
Maximum statcal angle of inclination due to wind- and passenger moment	10.000	0.000 degrees
Distance between waterline and deck due to wind- and passenger moment	0.300	1.551 meter
Base of hull submerged (distance > 0)	0.000	-0.401 meter

VCG'

Maximum allowable PS	28.037 m
Maximum allowable SB	27.128 m
Maximum allowable	27.128 m
Actual	1.951 m

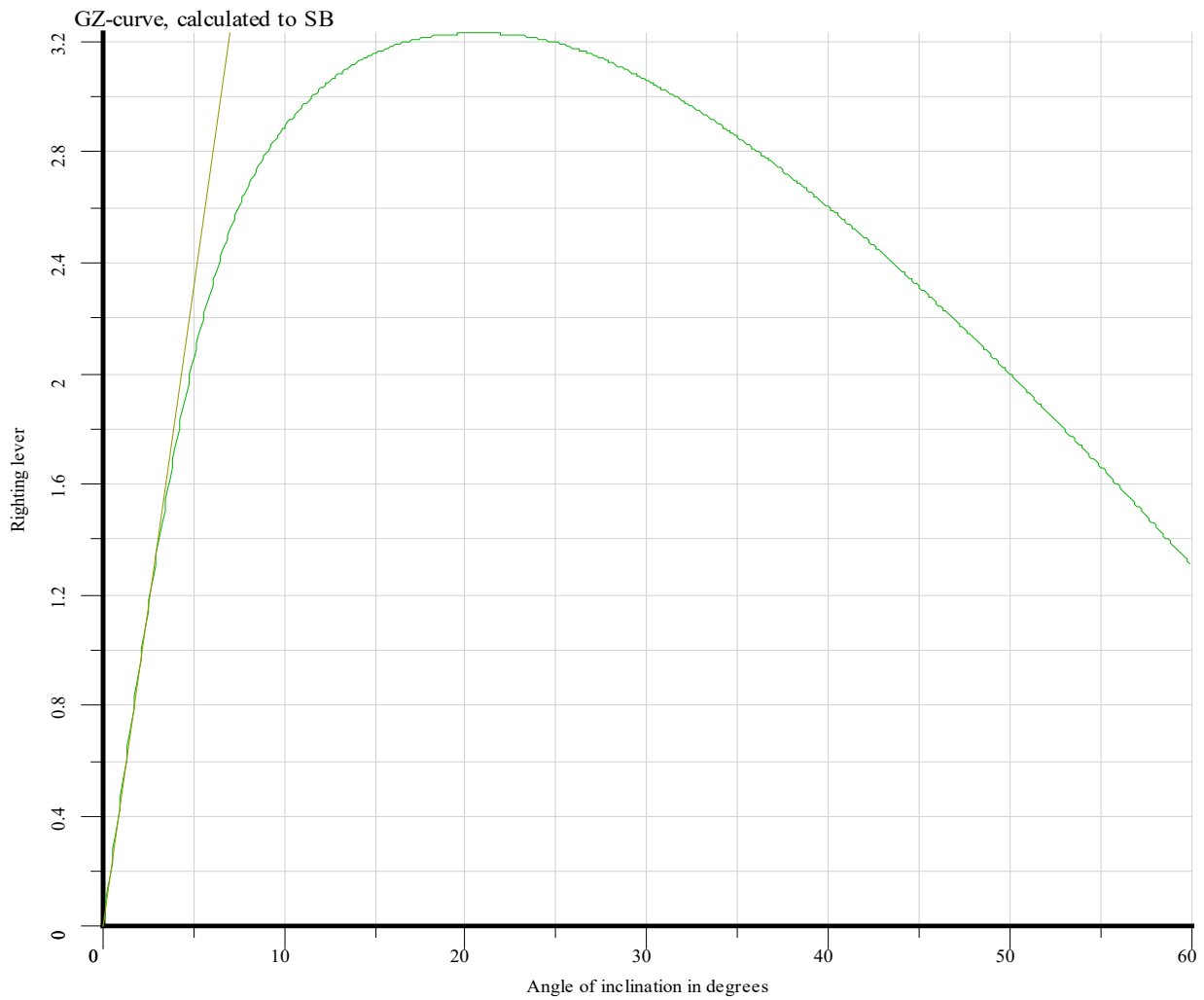
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:59

Loading condition : Pontoon with equipment



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:59

Loading condition : Pontoon with equipment

Draft at equilibrium at selected locations

Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.420
aft SB	0.000	4.877	0.000	-0.420
mid aft PS	36.576	-9.754	0.000	-0.416
mid aft SB	36.576	4.877	0.000	-0.416
mid fore PS	48.768	-9.754	0.000	-0.414
mid fore SB	48.768	4.877	0.000	-0.415
fore PS	79.350	-4.877	0.000	-0.411
fore SB	79.350	4.877	0.000	-0.411

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:59

Loading condition : Pontoon with equipment

Wind contour : with deck cargo

0[m]		10	20	30	40	50	60	70	80
1	1					2	1 A		
3	1 A A					4	2		
5	2 A					6	2 A A		
7	3					8	3 A		
9	3 A A					10	4		
11	4 A					12	4 A A		
13	5					14	5 A		
15	5 A A					16	6		
17	6 A					18	6 A A		
19	7					20	7 A		
21	7 A A					22	8		
23	8 A					24	8 A A		
25	9					26	9 A		
27	9 A A					28	10		
29	10 A					30	10 A A		
31	11					32	11 A		
33	11 A A					34	12		
35	12 A					36	12 A A		
37	13					38	13 A		
39	13 A A					40	14		
41	14 A					42	14 A A		
43	15					44	15 A		
45	15 A A					46	16		
47	16 A					48	16 A A		
49	17					50	17 A		
51	17 A A					52	18		
53	18 A					54	18 A A		
55	19					56	19 A		
57	19 A A					58	20		
59	20 A					60	20 A A		
61	21					62	21 A		
63	21 A A					64	22		
65	22 A					66	22 A A		
67	23					68	23 A		
69	23 A A					70	24		
71	24 A					72	24 A A		
73	25					74	25 A		

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:17:59

Loading condition : Pontoon with equipment

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75 25|A|A
77 26|A|
79 27|
81 27|A|A
83 28|A
85 29|A
87 30|A
89 31|A

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76 26|
78 26|A|A
80 27|A|
82 28|
84 29|
86 30|
88 31|

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			Horizontal section at 1.500 m																									
1	2	3	4	5	6	16	17	18	28	29	30	40	41	42	43	44	45	46	47	48	58	59	60	70	71	72	82	83
7	8	9	19	20	21	31	32	33	49	50	51	61	62	63	73	74	75	84	85									
10	11	12	22	23	24	34	35	36	52	53	54	64	65	66	76	77	78	86	87									
13	14	15	25	26	27	37	38	39	55	56	57	67	68	69	79	80	81	88	89									

0[m] 10 20 30 40 50 60 70 80

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 2155.4 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	27.870	3.000	6.100	-1.220	-
passengers row 2-3	-	-	44.590	3.000	24.380	0.000	-
passengers row 4	-	-	33.450	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	55.740	3.000	64.010	0.000	-
SUBTOTAL	-	-	161.650	3.000	38.678	-0.715	-
TOTAL	-	-	519.970	2.272	38.576	-0.714	2.699

Hydrostatics

Volume	519.974 m ³
LCF	38.675 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.603 m
Draft aft (App)	0.608 m
Draft fore (Fpp)	0.598 m
Trim	-0.009 m

Transverse stability

KM transverse	19.705 m		
VCG	2.272 m		
GM solid	17.433 m		
GG' correction	0.005 m		
G'M liquid	17.427 m	VCG'	2.277 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-3.662	1.790	-3.212	-1.972	-0.357	-0.883	2.241
50.00	PS	-2.211	1.231	-3.774	-1.744	-0.459	-1.571	2.027
40.00	PS	-1.264	0.868	-4.203	-1.464	-0.547	-2.193	1.697
35.00	PS	-0.891	0.724	-4.357	-1.306	-0.585	-2.466	1.493
30.00	PS	-0.561	0.597	-4.460	-1.139	-0.619	-2.703	1.268
25.00	PS	-0.263	0.484	-4.497	-0.962	-0.647	-2.888	1.023
20.00	PS	0.006	0.390	-4.444	-0.779	-0.671	-2.994	0.766
15.00	PS	0.240	0.281	-4.254	-0.589	-0.690	-2.974	0.504
10.00	PS	0.433	0.152	-3.758	-0.395	-0.703	-2.659	0.254
5.00	PS	0.542	0.057	-2.428	-0.198	-0.711	-1.518	0.066
2.00	PS	0.579	0.017	-1.398	-0.079	-0.714	-0.605	0.011
0.00		0.603	-0.009	-0.713	0.000	-0.714	0.001	0.000
2.00	SB	0.628	-0.036	-0.028	0.079	-0.714	0.607	0.011
5.00	SB	0.662	-0.077	0.965	0.198	-0.711	1.478	0.066
10.00	SB	0.661	-0.121	2.057	0.395	-0.703	2.365	0.239
15.00	SB	0.568	-0.149	2.618	0.589	-0.690	2.718	0.463
20.00	SB	0.421	-0.191	2.919	0.779	-0.671	2.811	0.706
25.00	SB	0.261	-0.245	3.039	0.962	-0.647	2.724	0.948
30.00	SB	0.088	-0.304	3.067	1.139	-0.619	2.547	1.179
35.00	SB	-0.104	-0.368	3.039	1.306	-0.585	2.318	1.391
40.00	SB	-0.322	-0.441	2.971	1.464	-0.547	2.055	1.582
50.00	SB	-0.873	-0.626	2.740	1.744	-0.459	1.455	1.890
60.00	SB	-1.717	-0.910	2.408	1.972	-0.357	0.793	2.087

Statical angle of inclination is 0.00 degrees

Contour : with deck cargo

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.603 m
Trim	-0.009 m
Statical angle of inclination	0.00 degrees
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	17.427 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.003 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	1.362 meter
Base of hull submerged (distance > 0)	0.000	-0.590 meter

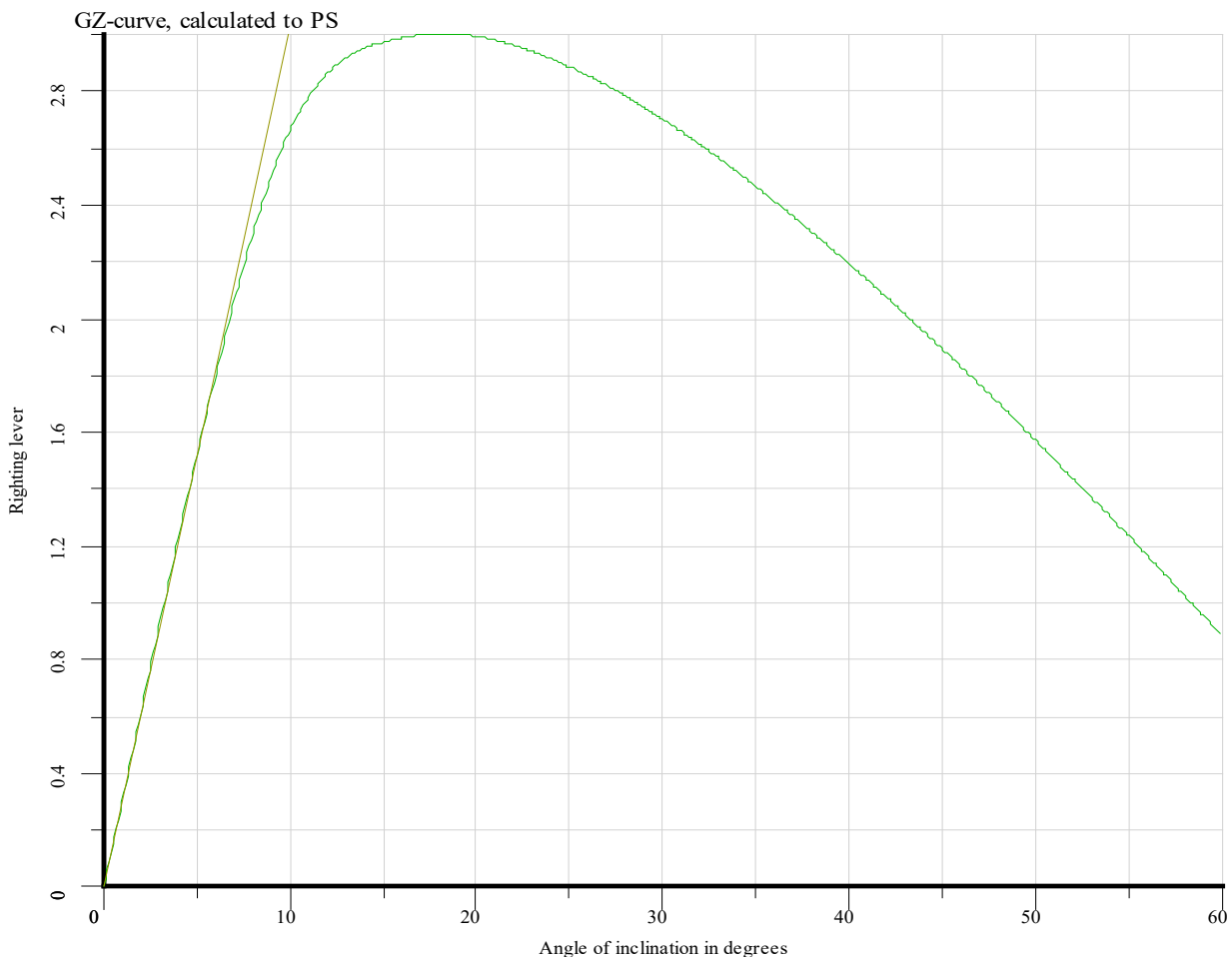
Calculated to SB

	<u>Criterion</u>	<u>Value</u>
Minimum metacentric height G'M	0.150	17.427 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	0.003 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	1.363 meter
Base of hull submerged (distance > 0)	0.000	-0.588 meter

VCG'

Maximum allowable PS	19.422 m
Maximum allowable SB	19.263 m
Maximum allowable	19.263 m
Actual	2.277 m

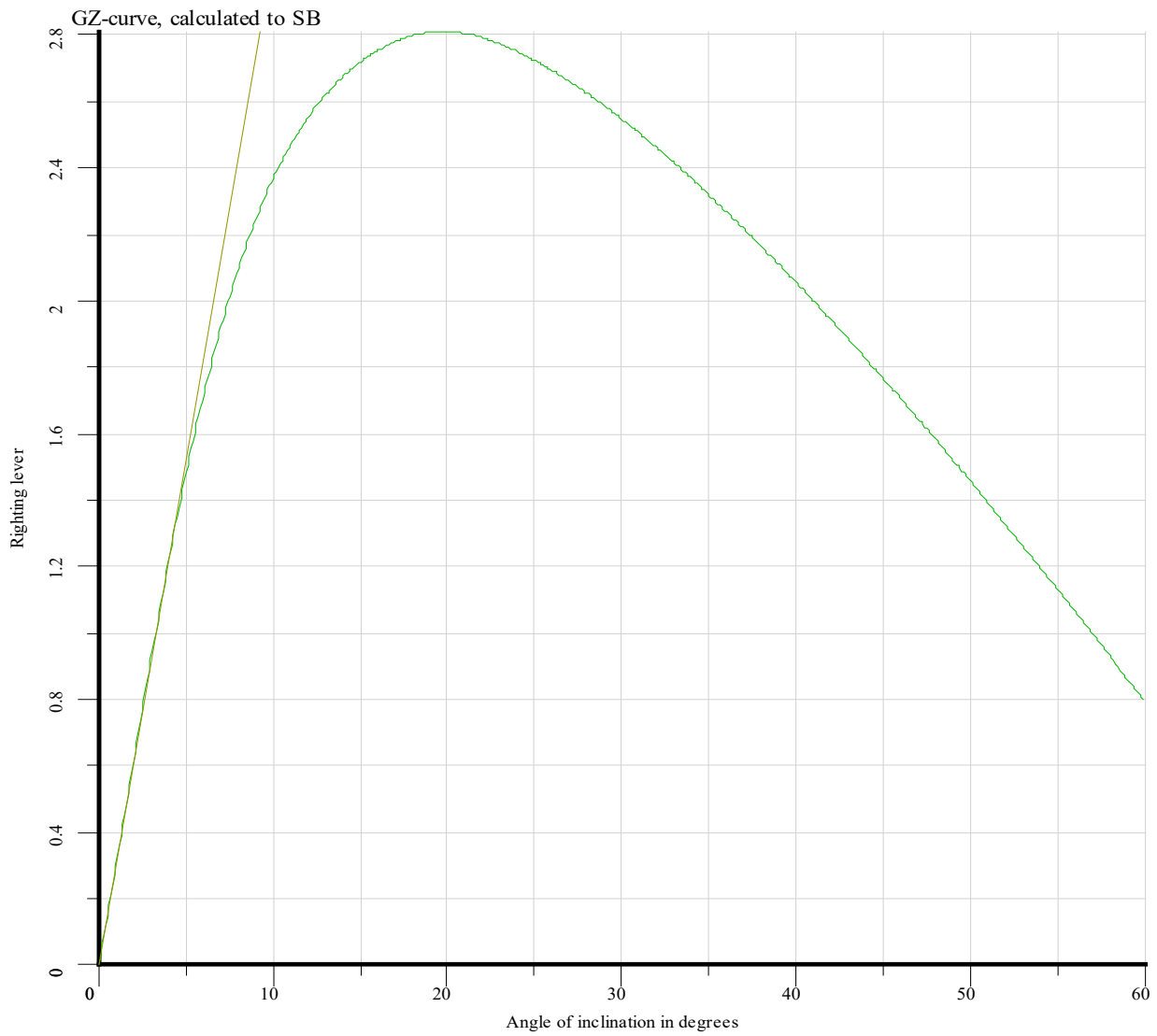
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Draft at equilibrium at selected locations

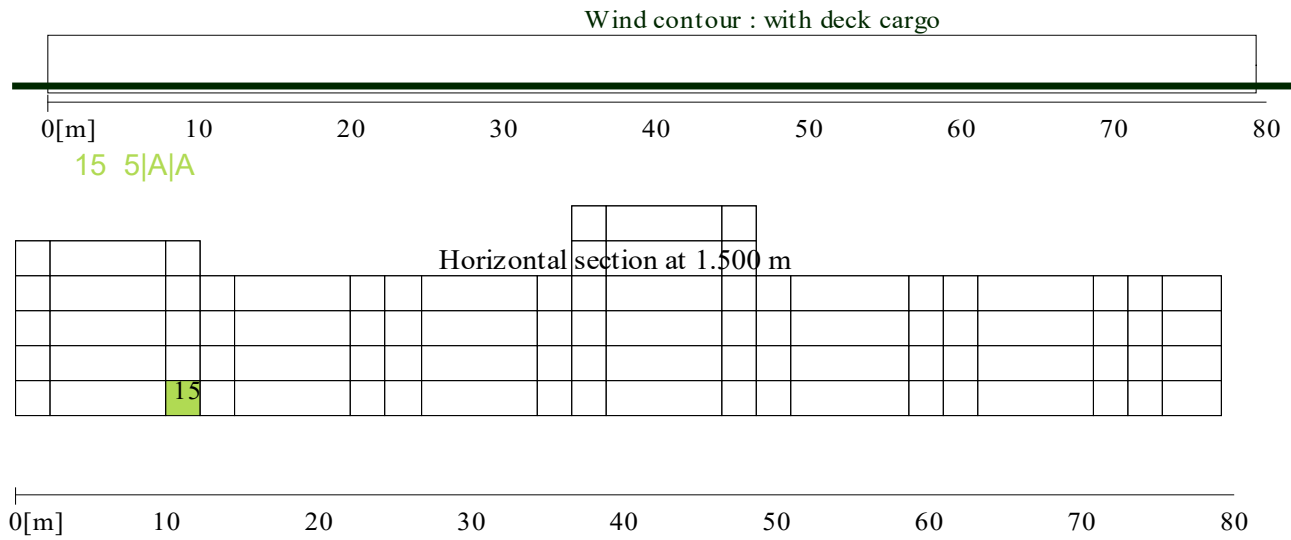
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.608
aft SB	0.000	4.877	0.000	-0.608
mid aft PS	36.576	-9.754	0.000	-0.604
mid aft SB	36.576	4.877	0.000	-0.603
mid fore PS	48.768	-9.754	0.000	-0.602
mid fore SB	48.768	4.877	0.000	-0.602
fore PS	79.350	-4.877	0.000	-0.599
fore SB	79.350	4.877	0.000	-0.598

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to PS

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 2155.4 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	27.870	3.000	6.100	-1.220	-
passengers row 2-3	-	-	44.590	3.000	24.380	0.000	-
passengers row 4	-	-	33.450	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	55.740	3.000	64.010	0.000	-
SUBTOTAL	-	-	161.650	3.000	38.678	-0.715	-
TOTAL	-	-	519.970	2.272	38.576	-0.714	2.699

Hydrostatics

Volume	519.974 m ³
LCF	38.675 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.603 m
Draft aft (App)	0.608 m
Draft fore (Fpp)	0.598 m
Trim	-0.009 m

Transverse stability

KM transverse	19.705 m		
VCG	2.272 m		
GM solid	17.433 m		
GG' correction	0.005 m		
G'M liquid	17.427 m	VCG'	2.277 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to PS

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-3.662	1.790	-3.212	-1.972	-0.758	-0.483	1.566
50.00	PS	-2.211	1.231	-3.774	-1.744	-0.974	-1.056	1.431
40.00	PS	-1.264	0.868	-4.203	-1.464	-1.161	-1.579	1.200
35.00	PS	-0.891	0.724	-4.357	-1.306	-1.242	-1.809	1.052
30.00	PS	-0.561	0.597	-4.460	-1.139	-1.313	-2.009	0.885
25.00	PS	-0.263	0.484	-4.497	-0.962	-1.374	-2.161	0.703
20.00	PS	0.006	0.390	-4.444	-0.779	-1.424	-2.241	0.510
15.00	PS	0.240	0.281	-4.254	-0.589	-1.464	-2.200	0.315
10.00	PS	0.433	0.152	-3.758	-0.395	-1.493	-1.870	0.133
5.00	PS	0.542	0.057	-2.428	-0.198	-1.510	-0.719	0.015
2.00	PS	0.579	0.017	-1.398	-0.079	-1.515	0.196	0.001
0.00		0.603	-0.009	-0.713	0.000	-1.516	0.802	0.019
2.00	SB	0.628	-0.036	-0.028	0.079	-1.515	1.408	0.057
5.00	SB	0.662	-0.077	0.965	0.198	-1.510	2.276	0.154
10.00	SB	0.661	-0.121	2.057	0.395	-1.493	3.154	0.396
15.00	SB	0.568	-0.149	2.618	0.589	-1.464	3.492	0.689
20.00	SB	0.421	-0.191	2.919	0.779	-1.424	3.564	0.999
25.00	SB	0.261	-0.245	3.039	0.962	-1.374	3.450	1.306
30.00	SB	0.088	-0.304	3.067	1.139	-1.313	3.241	1.598
35.00	SB	-0.104	-0.368	3.039	1.306	-1.242	2.975	1.870
40.00	SB	-0.322	-0.441	2.971	1.464	-1.161	2.669	2.116
50.00	SB	-0.873	-0.626	2.740	1.744	-0.974	1.970	2.522
60.00	SB	-1.717	-0.910	2.408	1.972	-0.758	1.194	2.799

Statical angle of inclination is 2.63 degrees to portside

Contour : with deck cargo

Additional heeling moment is -416.824 tonm

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to PS

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.603 m
Trim	-0.009 m
Statical angle of inclination	2.63 degrees PS
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	17.427 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	2.632 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	0.943 meter
Base of hull submerged (distance > 0)	0.000	-0.327 meter

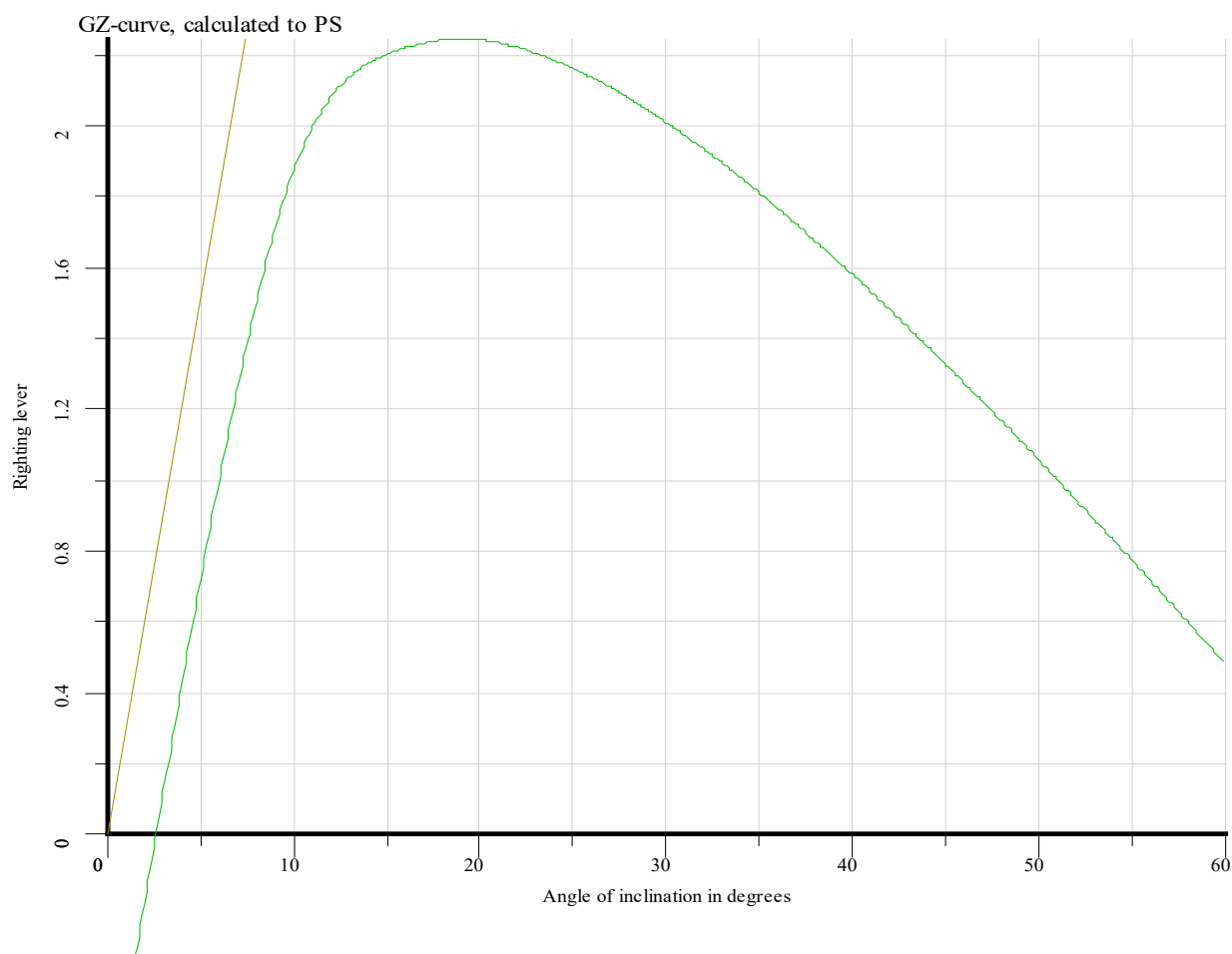
Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	17.427 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	2.632 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	0.970 meter
Base of hull submerged (distance > 0)	0.000	-0.344 meter

VCG'

A non-zero statical angle of equilibrium occurs,
No maximum allowable VCG' is calculated.

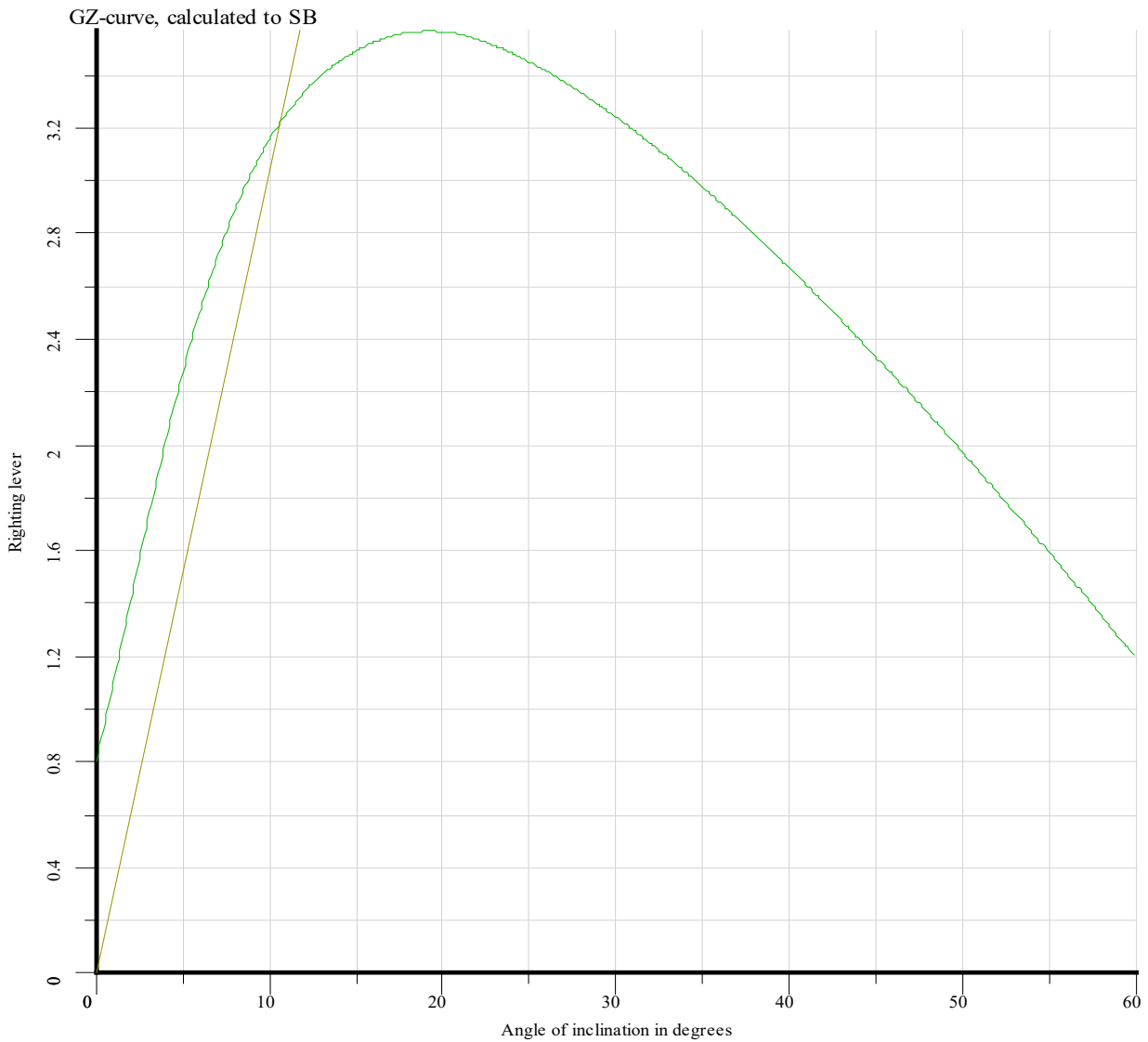
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to PS

Draft at equilibrium at selected locations

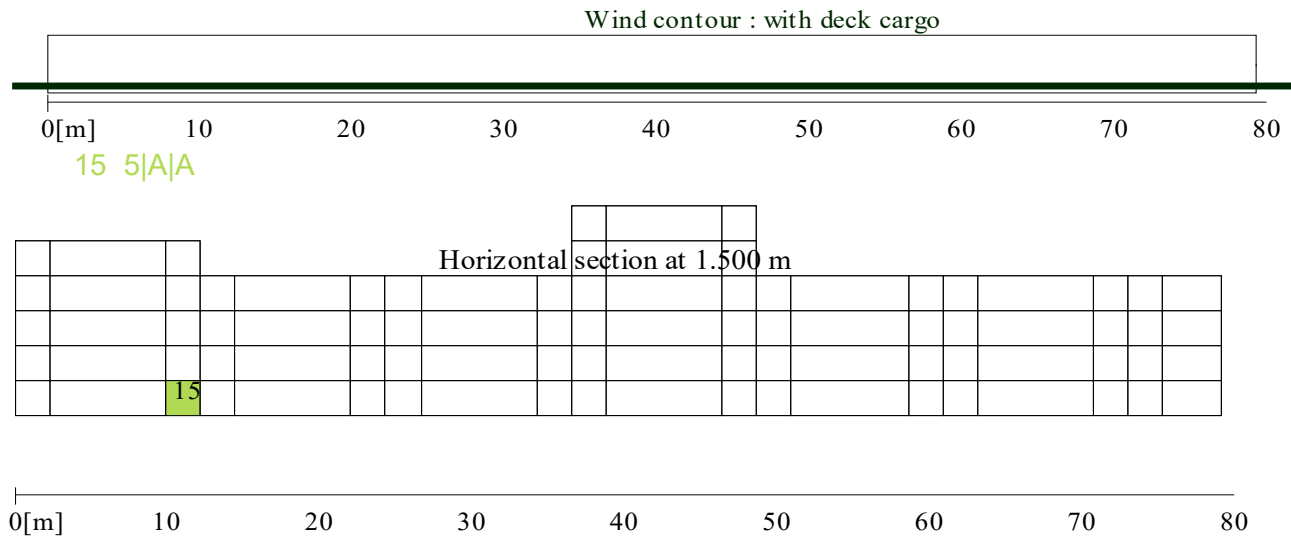
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.895
aft SB	0.000	4.877	0.000	-0.335
mid aft PS	36.576	-9.754	0.000	-1.018
mid aft SB	36.576	4.877	0.000	-0.347
mid fore PS	48.768	-9.754	0.000	-1.022
mid fore SB	48.768	4.877	0.000	-0.350
fore PS	79.350	-4.877	0.000	-0.808
fore SB	79.350	4.877	0.000	-0.360

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to SB

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 2155.4 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	27.870	3.000	6.100	-1.220	-
passengers row 2-3	-	-	44.590	3.000	24.380	0.000	-
passengers row 4	-	-	33.450	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	55.740	3.000	64.010	0.000	-
SUBTOTAL	-	-	161.650	3.000	38.678	-0.715	-
TOTAL	-	-	519.970	2.272	38.576	-0.714	2.699

Hydrostatics

Volume	519.974 m ³
LCF	38.675 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.603 m
Draft aft (App)	0.608 m
Draft fore (Fpp)	0.598 m
Trim	-0.009 m

Transverse stability

KM transverse	19.705 m		
VCG	2.272 m		
GM solid	17.433 m		
GG' correction	0.005 m		
G'M liquid	17.427 m	VCG'	2.277 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to SB

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-3.662	1.790	-3.212	-1.972	-0.178	-1.062	2.554
50.00	PS	-2.211	1.231	-3.774	-1.744	-0.229	-1.800	2.304
40.00	PS	-1.264	0.868	-4.203	-1.464	-0.273	-2.466	1.930
35.00	PS	-0.891	0.724	-4.357	-1.306	-0.292	-2.759	1.702
30.00	PS	-0.561	0.597	-4.460	-1.139	-0.309	-3.013	1.450
25.00	PS	-0.263	0.484	-4.497	-0.962	-0.324	-3.211	1.178
20.00	PS	0.006	0.390	-4.444	-0.779	-0.335	-3.330	0.892
15.00	PS	0.240	0.281	-4.254	-0.589	-0.345	-3.320	0.600
10.00	PS	0.433	0.152	-3.758	-0.395	-0.352	-3.011	0.320
5.00	PS	0.542	0.057	-2.428	-0.198	-0.356	-1.874	0.101
2.00	PS	0.579	0.017	-1.398	-0.079	-0.357	-0.962	0.027
0.00		0.603	-0.009	-0.713	0.000	-0.357	-0.356	0.004
2.00	SB	0.628	-0.036	-0.028	0.079	-0.357	0.250	0.002
5.00	SB	0.662	-0.077	0.965	0.198	-0.356	1.122	0.038
10.00	SB	0.661	-0.121	2.057	0.395	-0.352	2.013	0.180
15.00	SB	0.568	-0.149	2.618	0.589	-0.345	2.373	0.374
20.00	SB	0.421	-0.191	2.919	0.779	-0.335	2.475	0.587
25.00	SB	0.261	-0.245	3.039	0.962	-0.324	2.400	0.801
30.00	SB	0.088	-0.304	3.067	1.139	-0.309	2.238	1.004
35.00	SB	-0.104	-0.368	3.039	1.306	-0.292	2.026	1.190
40.00	SB	-0.322	-0.441	2.971	1.464	-0.273	1.781	1.356
50.00	SB	-0.873	-0.626	2.740	1.744	-0.229	1.225	1.620
60.00	SB	-1.717	-0.910	2.408	1.972	-0.178	0.615	1.781

Statical angle of inclination is 1.19 degrees to starboard

Contour : with deck cargo

Additional heeling moment is 185.759 tonm

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to SB

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.603 m
Trim	-0.009 m
Statcal angle of inclination	1.19 degrees SB
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	17.427 meter
Maximum statcal angle of inclination due to wind- and passenger moment	10.000	1.192 degrees SB
Distance between waterline and deck due to wind- and passenger moment	0.300	1.257 meter
Base of hull submerged (distance > 0)	0.000	-0.425 meter

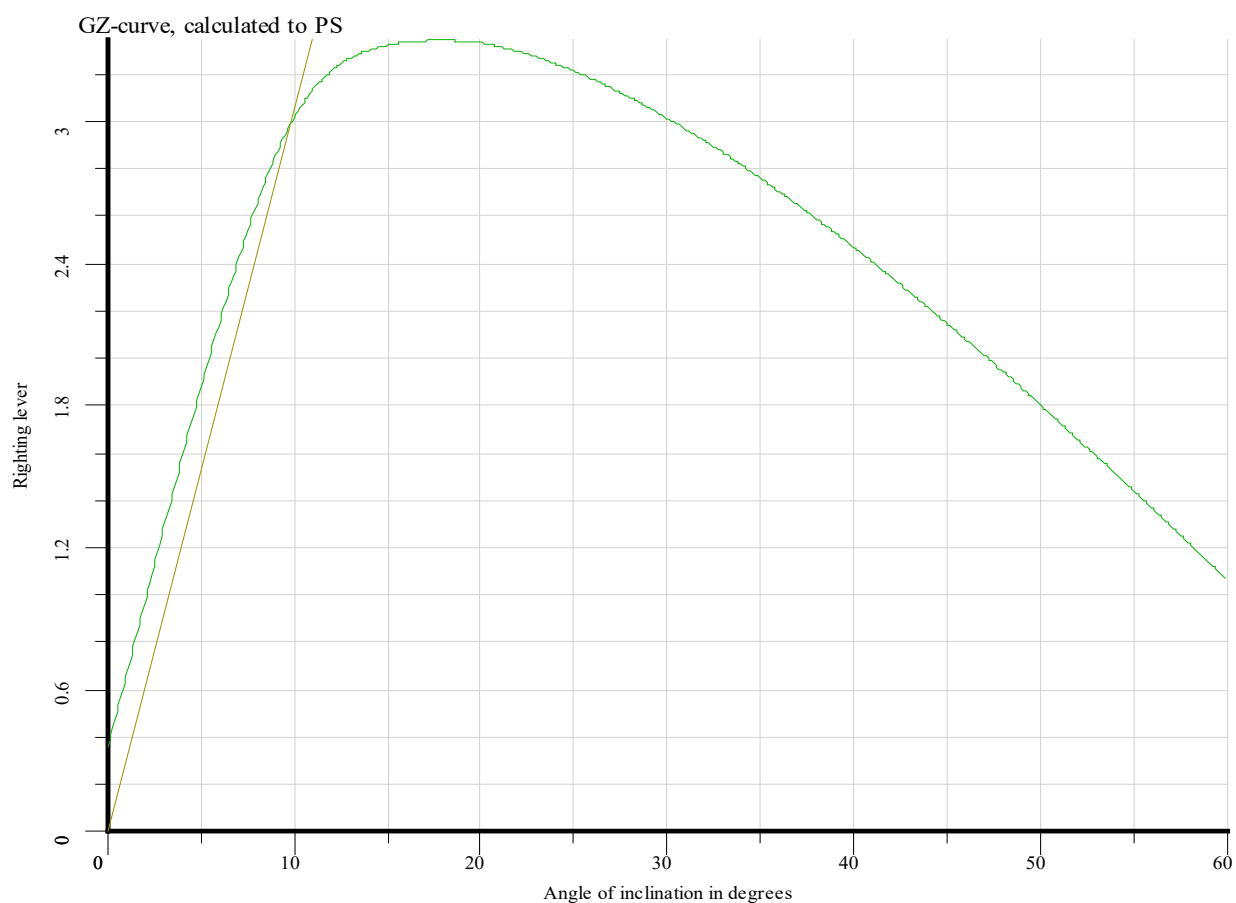
Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	17.427 meter
Maximum statcal angle of inclination due to wind- and passenger moment	10.000	1.192 degrees SB
Distance between waterline and deck due to wind- and passenger moment	0.300	1.240 meter
Base of hull submerged (distance > 0)	0.000	-0.398 meter

VCG'

Maximum allowable PS	14.624 m
Maximum allowable SB	13.837 m
Maximum allowable	13.837 m
Actual	2.277 m

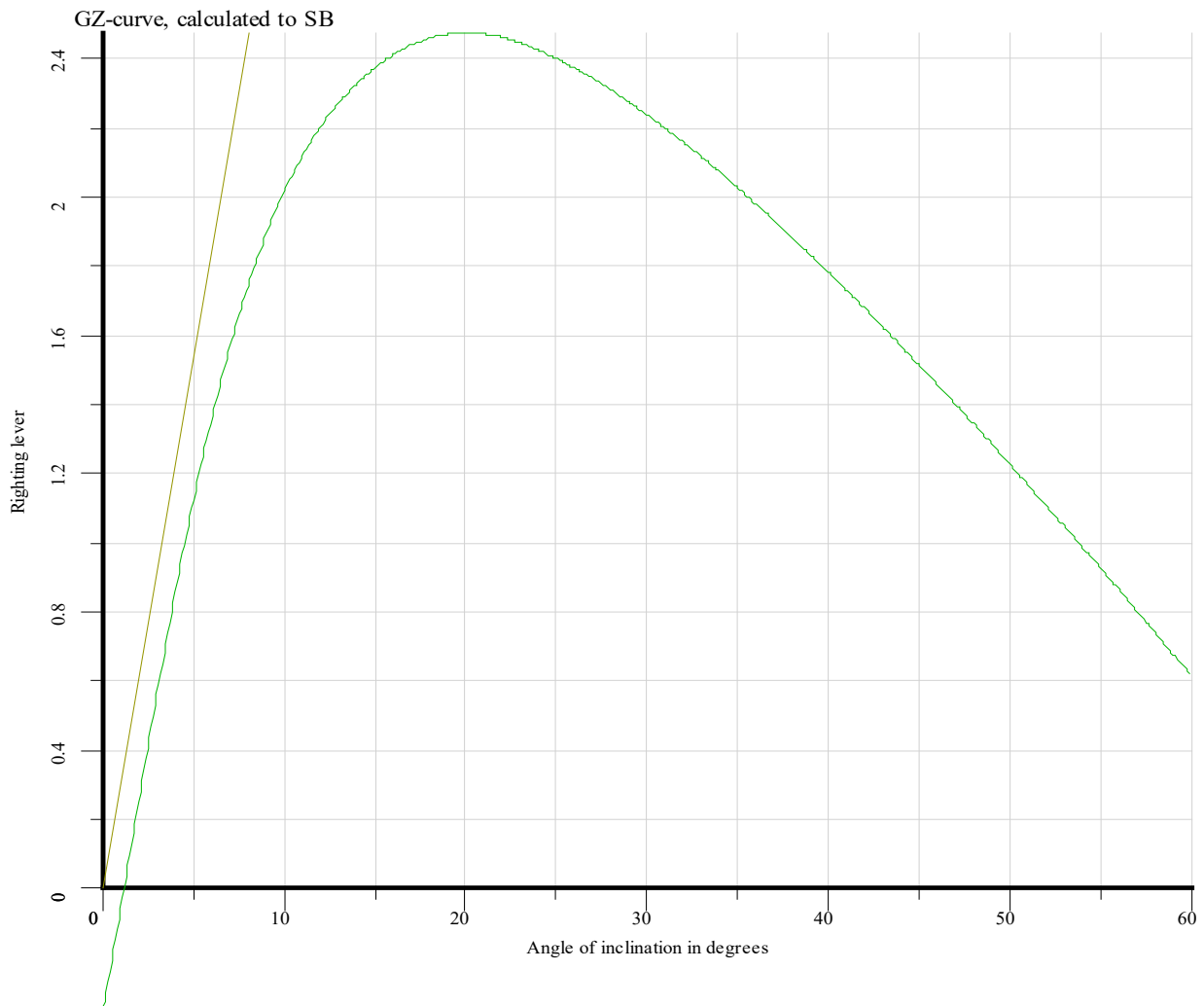
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to SB



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to SB

Draft at equilibrium at selected locations

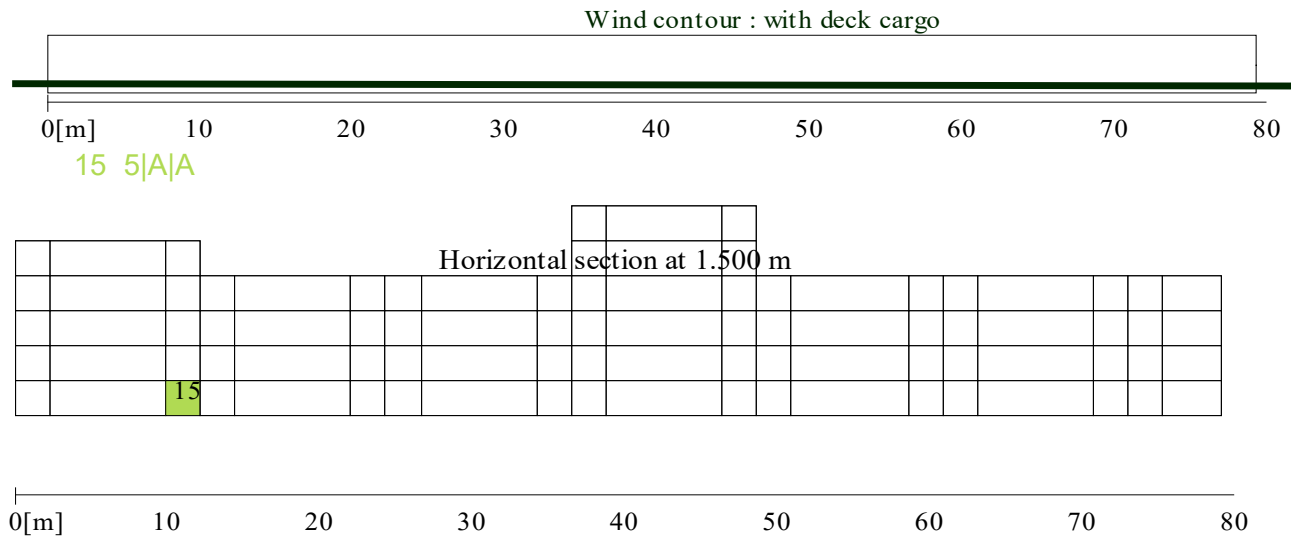
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.477
aft SB	0.000	4.877	0.000	-0.731
mid aft PS	36.576	-9.754	0.000	-0.415
mid aft SB	36.576	4.877	0.000	-0.720
mid fore PS	48.768	-9.754	0.000	-0.411
mid fore SB	48.768	4.877	0.000	-0.716
fore PS	79.350	-4.877	0.000	-0.503
fore SB	79.350	4.877	0.000	-0.706

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:00

Loading condition : Pontoon with equipment & 2155 passengers to SB



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:01

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 1784 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	0.000	3.000	6.100	-1.220	-
passengers row 2-3	-	-	44.590	3.000	24.380	0.000	-
passengers row 4	-	-	33.450	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	55.740	3.000	64.010	0.000	-
SUBTOTAL	-	-	133.780	3.000	45.465	-0.610	-
TOTAL	-	-	492.100	2.231	40.416	-0.686	2.699

Hydrostatics

Volume	492.081 m ³
LCF	38.677 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.573 m
Draft aft (App)	0.495 m
Draft fore (Fpp)	0.650 m
Trim	0.155 m

Transverse stability

KM transverse	20.790 m		
VCG	2.231 m		
GM solid	18.559 m		
GG' correction	0.005 m		
G'M liquid	18.554 m	VCG'	2.236 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:01

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-3.969	3.352	-3.249	-1.937	-0.766	-0.547	1.629
50.00	PS	-2.422	2.307	-3.821	-1.713	-0.985	-1.123	1.482
40.00	PS	-1.413	1.624	-4.258	-1.437	-1.174	-1.646	1.240
35.00	PS	-1.015	1.355	-4.414	-1.283	-1.255	-1.876	1.086
30.00	PS	-0.664	1.120	-4.519	-1.118	-1.327	-2.073	0.913
25.00	PS	-0.350	0.917	-4.559	-0.945	-1.389	-2.225	0.725
20.00	PS	-0.066	0.739	-4.508	-0.765	-1.440	-2.303	0.527
15.00	PS	0.185	0.556	-4.310	-0.579	-1.480	-2.251	0.327
10.00	PS	0.390	0.373	-3.820	-0.388	-1.509	-1.922	0.141
5.00	PS	0.511	0.220	-2.505	-0.195	-1.527	-0.783	0.017
2.00	PS	0.548	0.181	-1.419	-0.078	-1.532	0.191	0.001
0.00		0.573	0.155	-0.696	0.000	-1.533	0.837	0.019
2.00	SB	0.597	0.128	0.028	0.078	-1.532	1.481	0.059
5.00	SB	0.630	0.087	1.061	0.195	-1.527	2.393	0.162
10.00	SB	0.620	0.089	2.132	0.388	-1.509	3.253	0.414
15.00	SB	0.517	0.109	2.675	0.579	-1.480	3.577	0.714
20.00	SB	0.356	0.137	2.979	0.765	-1.440	3.654	1.031
25.00	SB	0.178	0.175	3.104	0.945	-1.389	3.548	1.346
30.00	SB	-0.015	0.217	3.133	1.118	-1.327	3.342	1.648
35.00	SB	-0.229	0.263	3.104	1.283	-1.255	3.077	1.928
40.00	SB	-0.471	0.316	3.033	1.437	-1.174	2.770	2.183
50.00	SB	-1.084	0.448	2.793	1.713	-0.985	2.066	2.607
60.00	SB	-2.025	0.651	2.450	1.937	-0.766	1.280	2.900

Statical angle of inclination is 2.57 degrees to portside

Contour : with deck cargo

Additional heeling moment is -416.824 tonm

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:01

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.573 m
Trim	0.155 m
Statical angle of inclination	2.57 degrees PS
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	18.554 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	2.573 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	0.964 meter
Base of hull submerged (distance > 0)	0.000	-0.223 meter

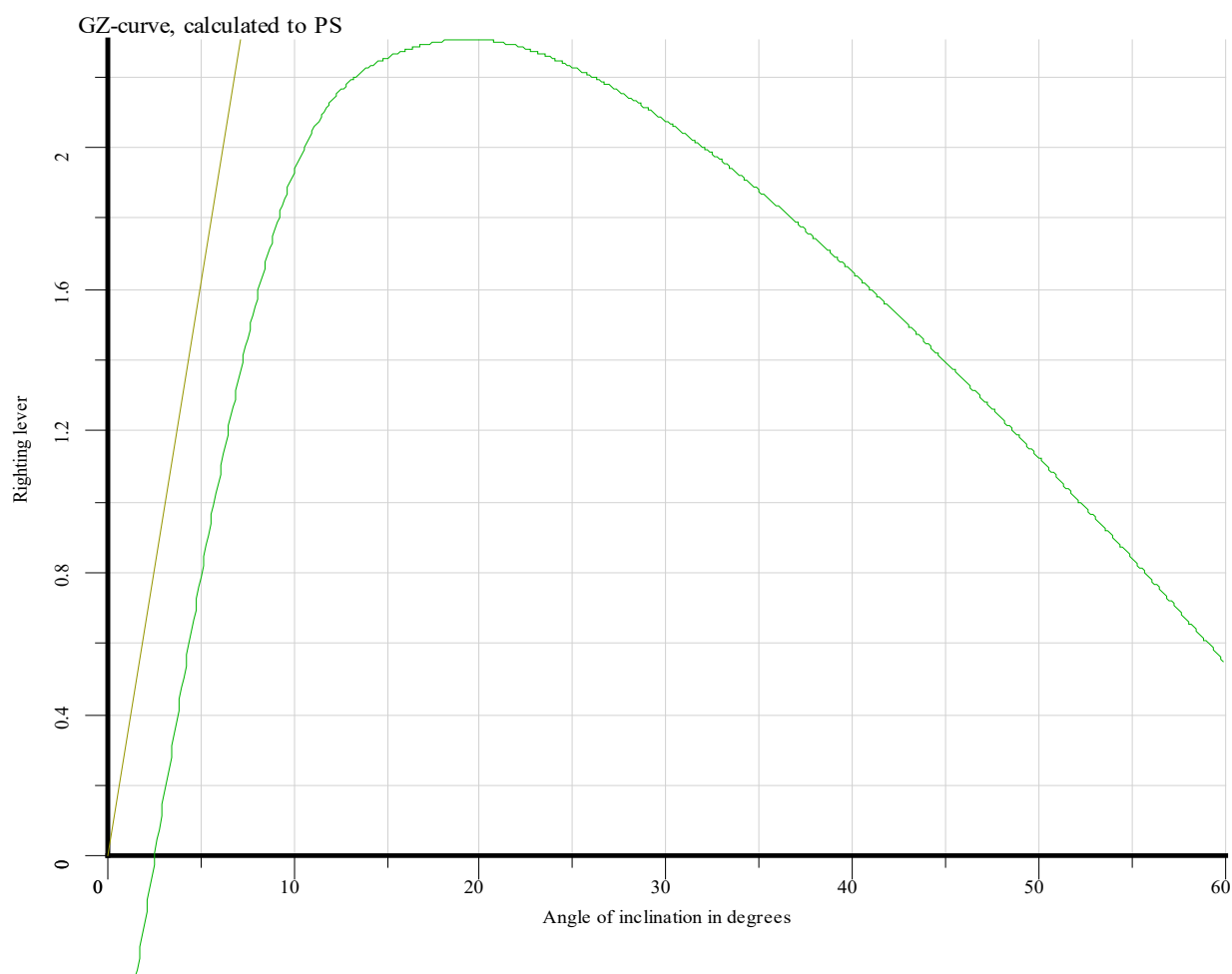
Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	18.554 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	2.573 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	0.991 meter
Base of hull submerged (distance > 0)	0.000	-0.239 meter

VCG'

A non-zero statical angle of equilibrium occurs,
No maximum allowable VCG' is calculated.

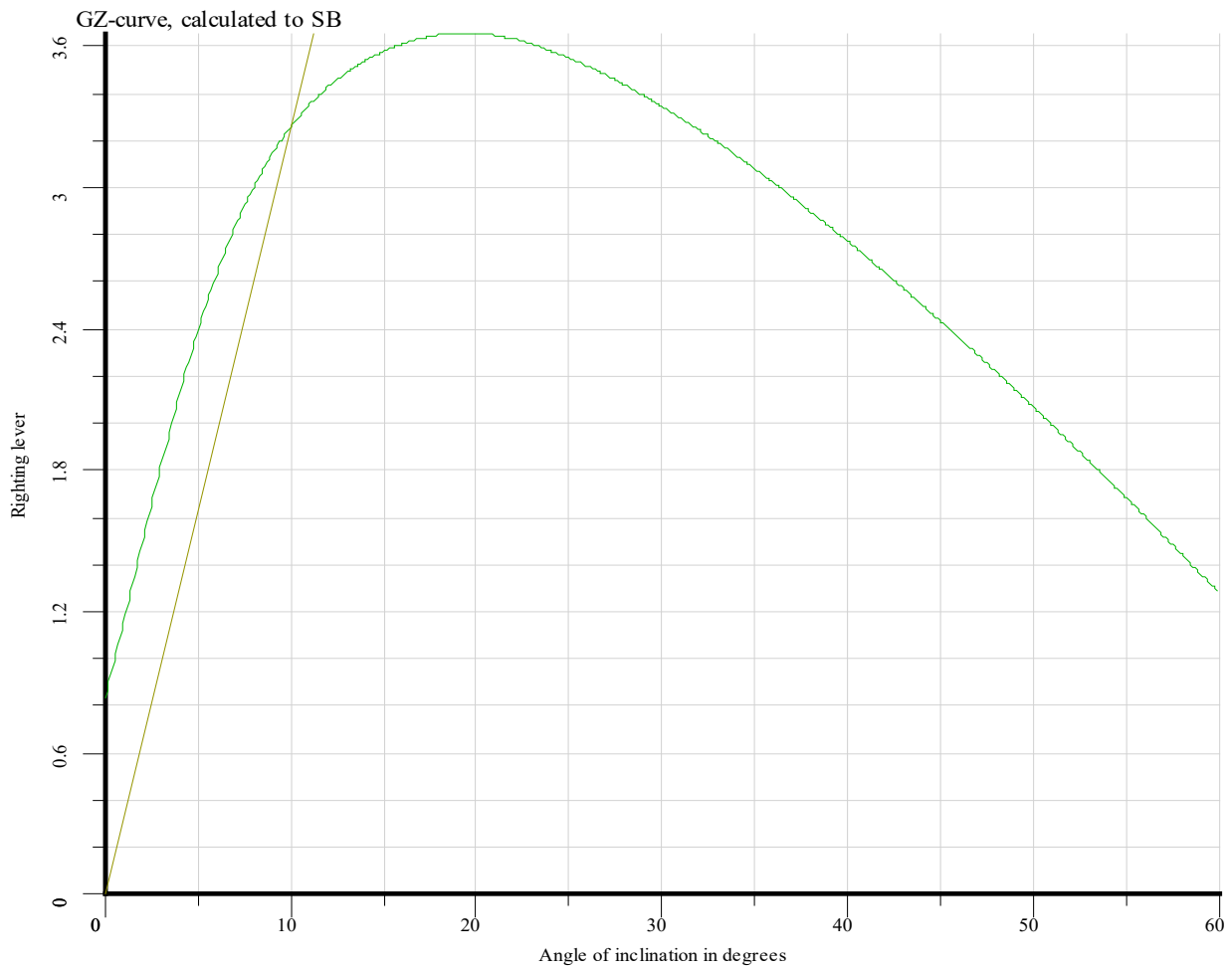
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:01

Loading condition : Pontoon with equipment & passengers 2-7 to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:01

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Draft at equilibrium at selected locations

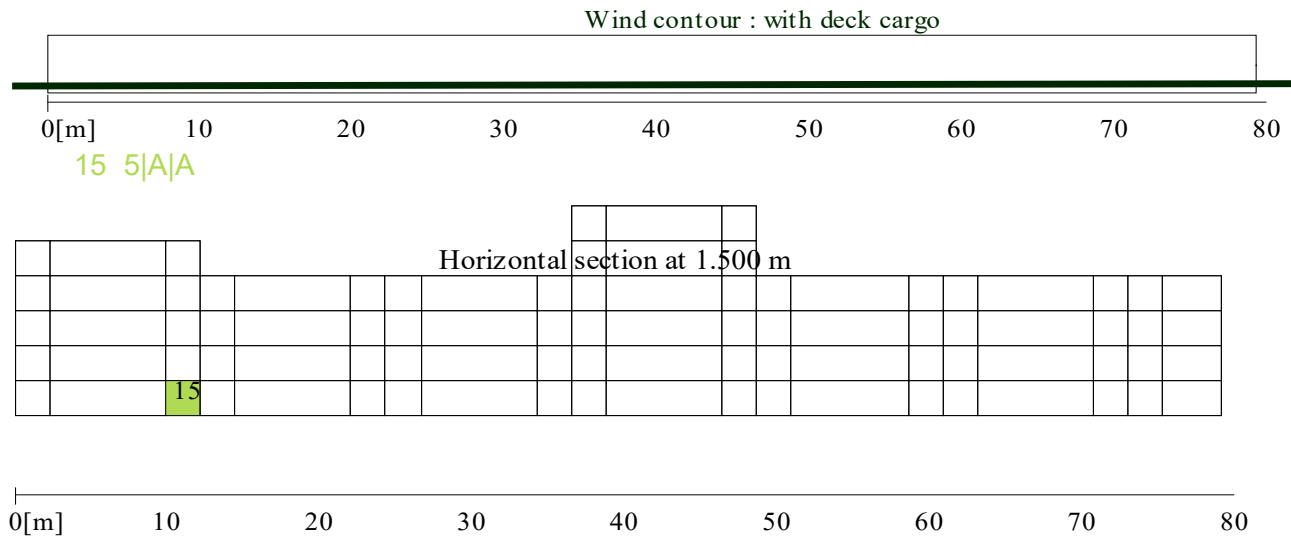
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.778
aft SB	0.000	4.877	0.000	-0.231
mid aft PS	36.576	-9.754	0.000	-0.973
mid aft SB	36.576	4.877	0.000	-0.316
mid fore PS	48.768	-9.754	0.000	-1.001
mid fore SB	48.768	4.877	0.000	-0.345
fore PS	79.350	-4.877	0.000	-0.854
fore SB	79.350	4.877	0.000	-0.416

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:18:01

Loading condition : Pontoon with equipment & passengers 2-7 to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Description	Filling %	Density ton/m ³	Weight ton	VCg m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 1784 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	27.870	3.000	6.100	-1.220	-
passengers row 2-3	-	-	44.590	3.000	24.380	0.000	-
passengers row 4	-	-	33.450	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	0.000	3.000	64.010	0.000	-
SUBTOTAL	-	-	105.910	3.000	25.346	-1.092	-
TOTAL	-	-	464.230	2.184	35.523	-0.800	2.699

Hydrostatics

Volume	464.272 m ³
LCF	38.677 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.535 m
Draft aft (App)	0.668 m
Draft fore (Fpp)	0.403 m
Trim	-0.265 m

Transverse stability

KM transverse	22.005 m		
VCg	2.184 m		
GM solid	19.821 m		
GG' correction	0.006 m		
G'M liquid	19.815 m	VCg'	2.190 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-4.277	-0.481	-3.330	-1.897	-0.849	-0.585	1.647
50.00	PS	-2.634	-0.333	-3.924	-1.678	-1.091	-1.155	1.495
40.00	PS	-1.562	-0.233	-4.379	-1.408	-1.301	-1.671	1.247
35.00	PS	-1.139	-0.195	-4.542	-1.256	-1.391	-1.895	1.091
30.00	PS	-0.766	-0.161	-4.651	-1.095	-1.470	-2.085	0.917
25.00	PS	-0.432	-0.140	-4.694	-0.926	-1.539	-2.229	0.729
20.00	PS	-0.139	-0.139	-4.659	-0.749	-1.595	-2.314	0.530
15.00	PS	0.118	-0.160	-4.489	-0.567	-1.640	-2.282	0.328
10.00	PS	0.339	-0.197	-3.986	-0.380	-1.672	-1.934	0.140
5.00	PS	0.474	-0.199	-2.656	-0.191	-1.691	-0.774	0.015
2.00	PS	0.511	-0.238	-1.508	-0.076	-1.697	0.266	0.002
0.00		0.535	-0.265	-0.743	0.000	-1.698	0.955	0.023
2.00	SB	0.560	-0.291	0.023	0.076	-1.697	1.644	0.068
5.00	SB	0.591	-0.335	1.087	0.191	-1.691	2.588	0.180
10.00	SB	0.572	-0.448	2.179	0.380	-1.672	3.470	0.451
15.00	SB	0.458	-0.553	2.710	0.567	-1.640	3.784	0.770
20.00	SB	0.290	-0.679	2.996	0.749	-1.595	3.842	1.104
25.00	SB	0.095	-0.857	3.124	0.926	-1.539	3.737	1.435
30.00	SB	-0.117	-1.061	3.157	1.095	-1.470	3.532	1.753
35.00	SB	-0.353	-1.287	3.129	1.256	-1.391	3.264	2.050
40.00	SB	-0.620	-1.542	3.058	1.408	-1.301	2.951	2.322
50.00	SB	-1.296	-2.190	2.816	1.678	-1.091	2.229	2.775
60.00	SB	-2.333	-3.183	2.468	1.897	-0.849	1.420	3.095

Statical angle of inclination is 2.74 degrees to portside

Contour : with deck cargo

Additional heeling moment is -416.824 tonm

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.535 m
Trim	-0.265 m
Statical angle of inclination	2.74 degrees PS
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	19.815 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	2.741 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	0.986 meter
Base of hull submerged (distance > 0)	0.000	-0.151 meter

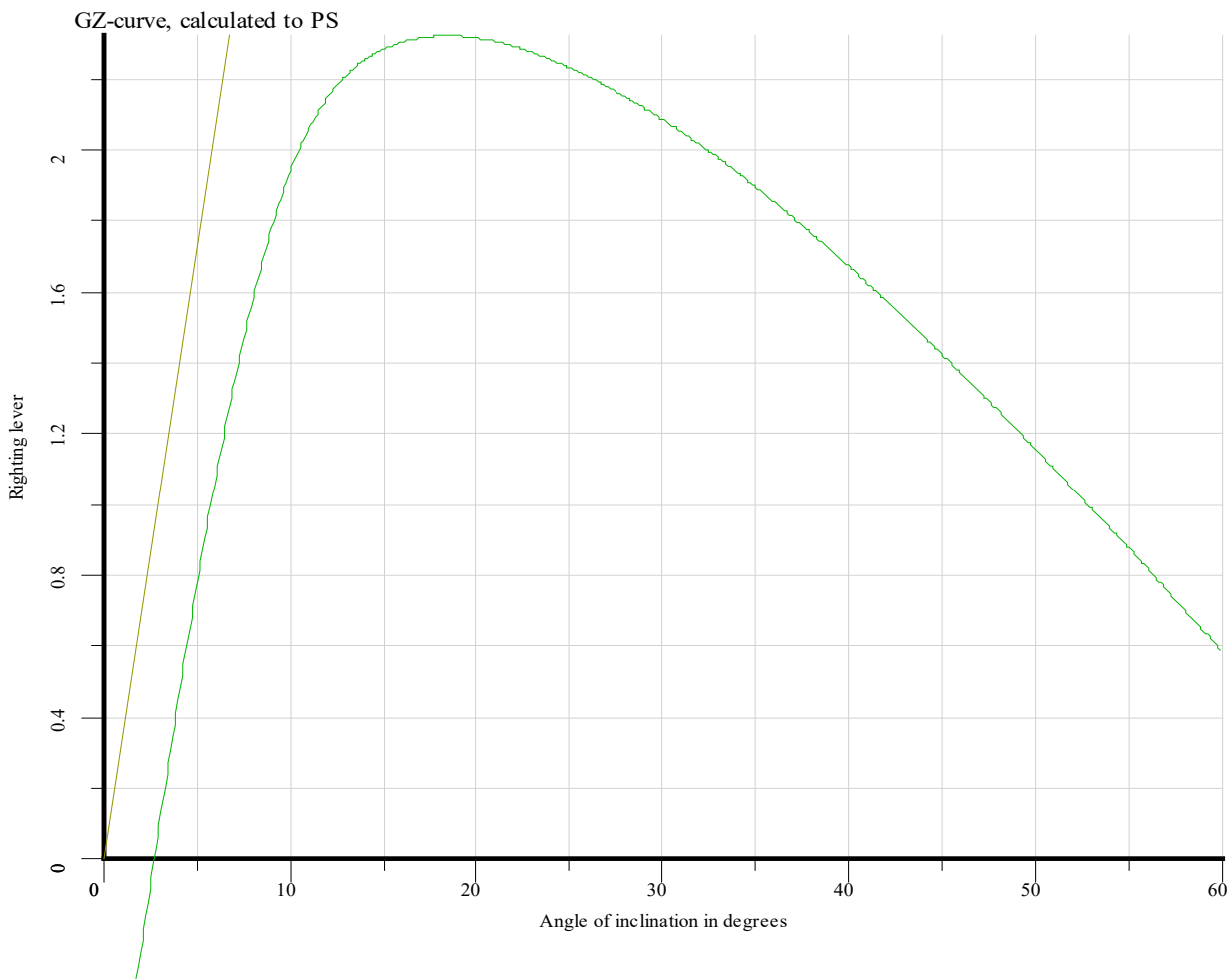
Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	19.815 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000	2.741 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	1.013 meter
Base of hull submerged (distance > 0)	0.000	-0.165 meter

VCG'

A non-zero statical angle of equilibrium occurs,
No maximum allowable VCG' is calculated.

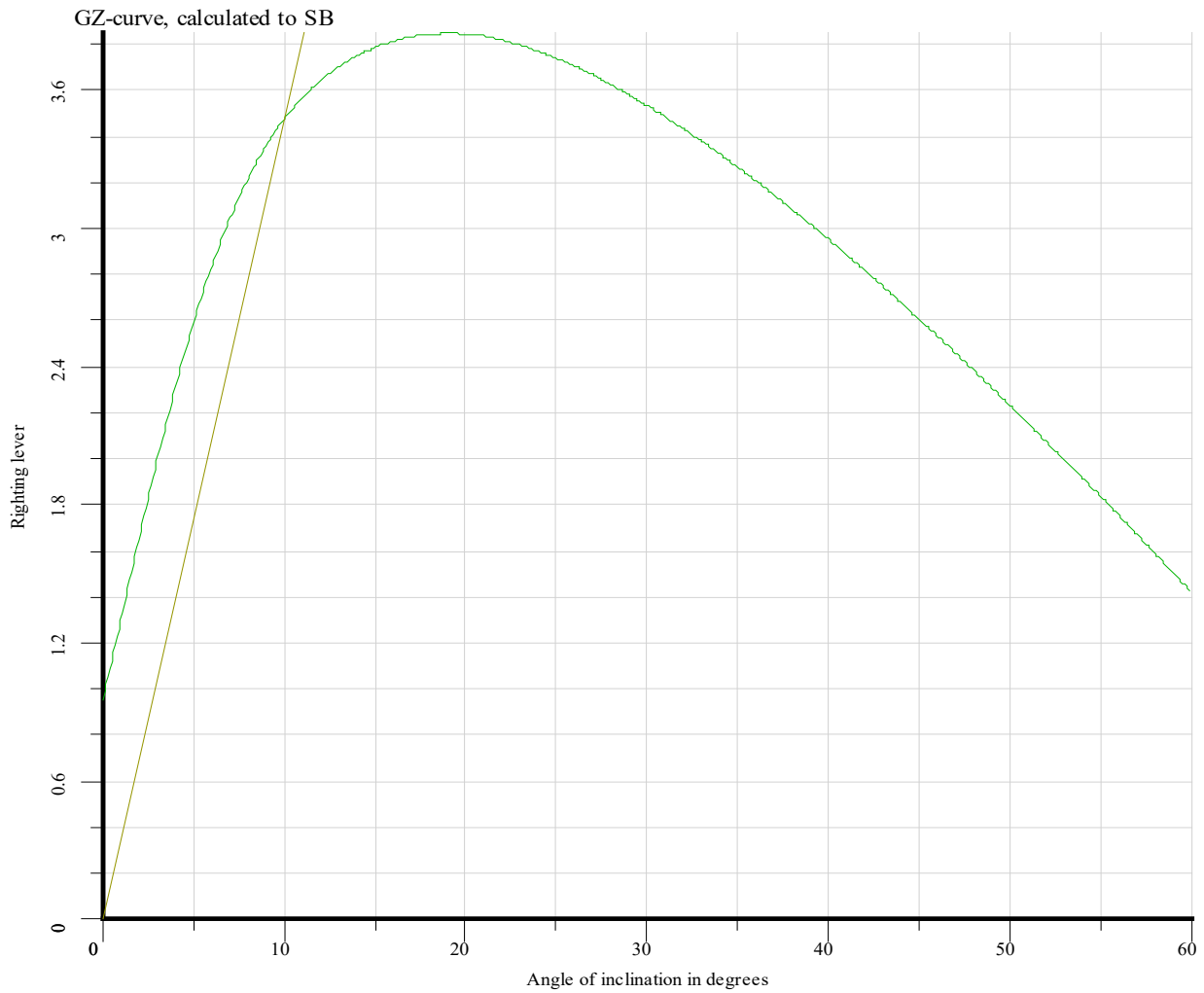
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers 1-4 to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Draft at equilibrium at selected locations

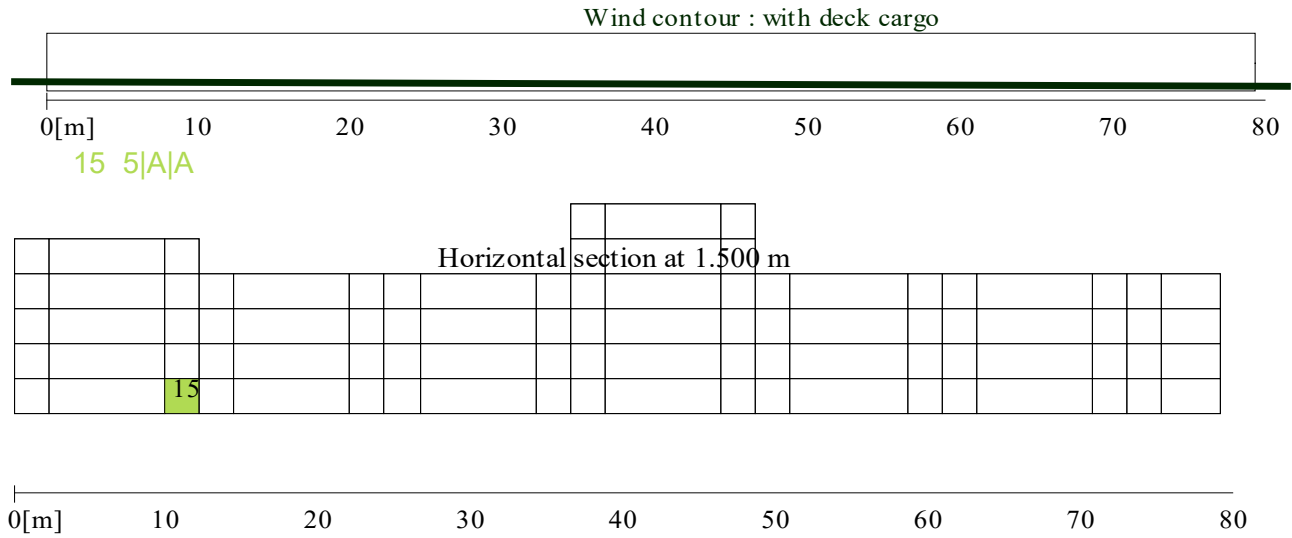
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.966
aft SB	0.000	4.877	0.000	-0.383
mid aft PS	36.576	-9.754	0.000	-0.979
mid aft SB	36.576	4.877	0.000	-0.279
mid fore PS	48.768	-9.754	0.000	-0.944
mid fore SB	48.768	4.877	0.000	-0.245
fore PS	79.350	-4.877	0.000	-0.625
fore SB	79.350	4.877	0.000	-0.158

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers 1-4 to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 1784 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	27.870	3.000	6.100	-1.220	-
passengers row 2-3	-	-	0.000	3.000	24.380	0.000	-
passengers row 4	-	-	0.000	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	55.740	3.000	64.010	0.000	-
SUBTOTAL	-	-	83.610	3.000	44.707	-0.407	-
TOTAL	-	-	441.930	2.143	39.699	-0.656	2.699

Hydrostatics

Volume	441.922 m ³
LCF	38.677 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.514 m
Draft aft (App)	0.473 m
Draft fore (Fpp)	0.554 m
Trim	0.082 m

Transverse stability

KM transverse	23.087 m		
VCG	2.143 m		
GM solid	20.943 m		
GG' correction	0.006 m		
G'M liquid	20.937 m	VCG'	2.149 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-4.523	2.757	-3.358	-1.861	-0.799	-0.698	1.787
50.00	PS	-2.803	1.897	-3.960	-1.647	-1.028	-1.286	1.614
40.00	PS	-1.681	1.335	-4.420	-1.382	-1.225	-1.813	1.342
35.00	PS	-1.239	1.116	-4.585	-1.233	-1.310	-2.042	1.174
30.00	PS	-0.851	0.929	-4.697	-1.075	-1.385	-2.237	0.987
25.00	PS	-0.505	0.770	-4.742	-0.908	-1.449	-2.385	0.784
20.00	PS	-0.194	0.619	-4.697	-0.735	-1.502	-2.460	0.572
15.00	PS	0.080	0.448	-4.510	-0.556	-1.544	-2.410	0.359
10.00	PS	0.310	0.287	-4.020	-0.373	-1.575	-2.073	0.159
5.00	PS	0.452	0.148	-2.710	-0.187	-1.593	-0.930	0.021
2.00	PS	0.489	0.108	-1.505	-0.075	-1.598	0.168	0.001
0.00		0.514	0.082	-0.703	0.000	-1.599	0.896	0.019
2.00	SB	0.538	0.055	0.101	0.075	-1.598	1.624	0.063
5.00	SB	0.568	0.014	1.205	0.187	-1.593	2.610	0.175
10.00	SB	0.542	0.008	2.273	0.373	-1.575	3.474	0.447
15.00	SB	0.422	0.010	2.782	0.556	-1.544	3.771	0.766
20.00	SB	0.240	0.012	3.078	0.735	-1.502	3.845	1.099
25.00	SB	0.029	0.015	3.215	0.908	-1.449	3.756	1.432
30.00	SB	-0.200	0.018	3.248	1.075	-1.385	3.558	1.752
35.00	SB	-0.453	0.022	3.217	1.233	-1.310	3.294	2.051
40.00	SB	-0.739	0.026	3.141	1.382	-1.225	2.985	2.325
50.00	SB	-1.465	0.038	2.887	1.647	-1.028	2.268	2.785
60.00	SB	-2.578	0.055	2.524	1.861	-0.799	1.462	3.112

Statical angle of inclination is 2.44 degrees to portside

Contour : with deck cargo

Additional heeling moment is -416.824 tonm

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.514 m
Trim	0.082 m
Statcal angle of inclination	2.44 degrees PS
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

	Criterion	Value
Minimum metacentric height G'M	0.150	20.937 meter
Maximum statcal angle of inclination due to wind- and passenger moment	10.000	2.438 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	1.053 meter
Base of hull submerged (distance > 0)	0.000	-0.214 meter

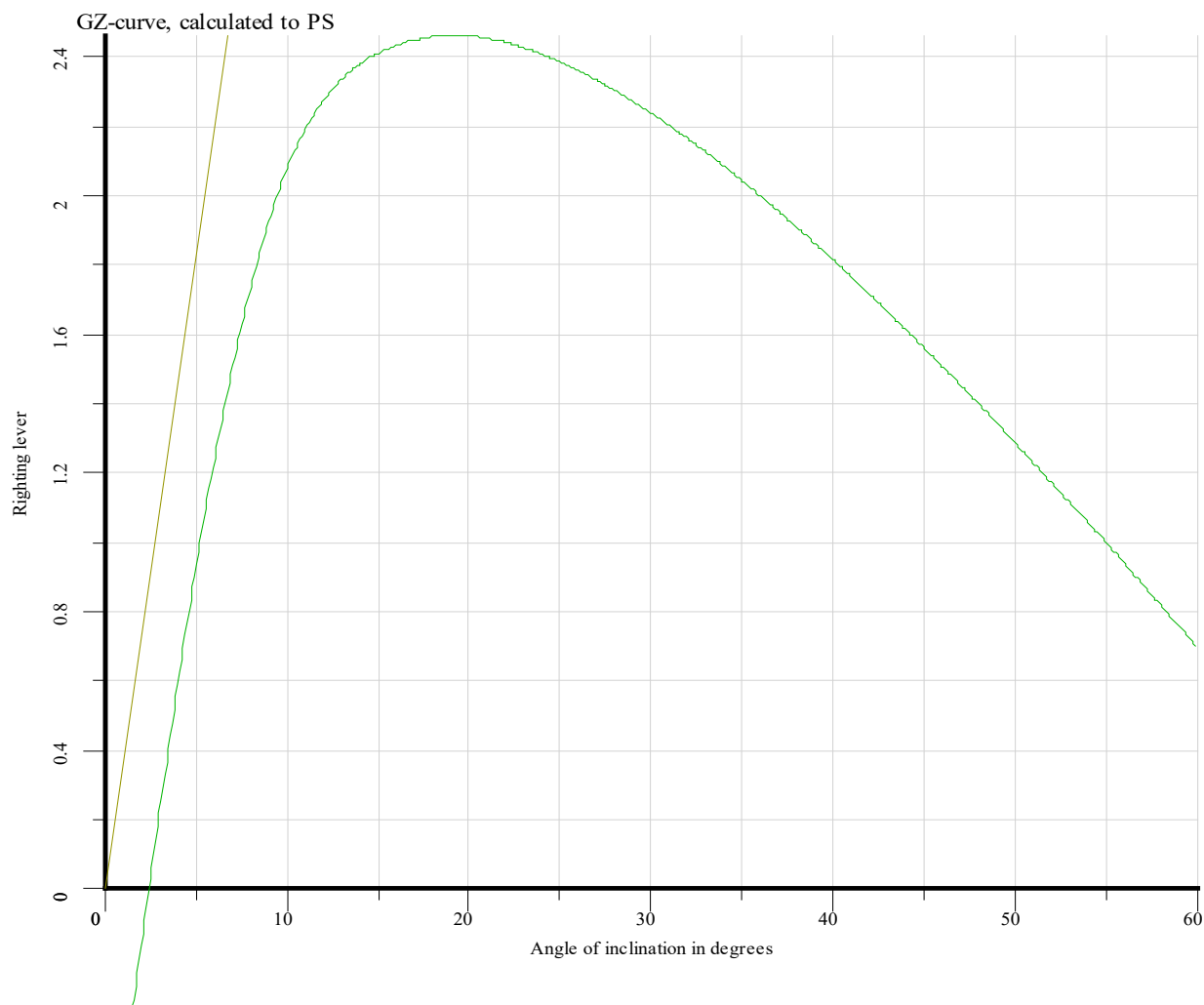
Calculated to SB

	Criterion	Value
Minimum metacentric height G'M	0.150	20.937 meter
Maximum statcal angle of inclination due to wind- and passenger moment	10.000	2.438 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300	1.079 meter
Base of hull submerged (distance > 0)	0.000	-0.230 meter

VCG'

A non-zero statcal angle of equilibrium occurs,
No maximum allowable VCG' is calculated.

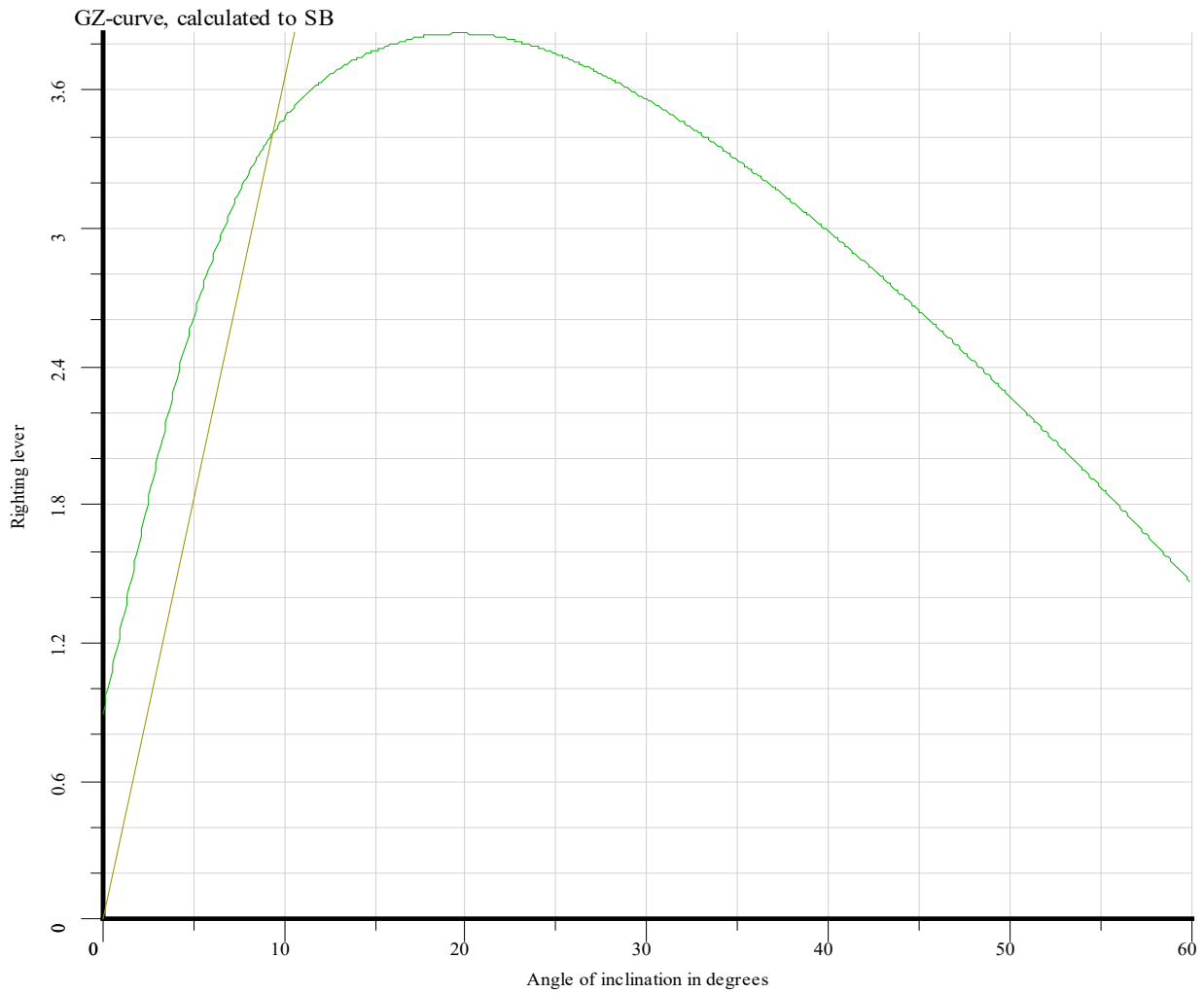
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Draft at equilibrium at selected locations

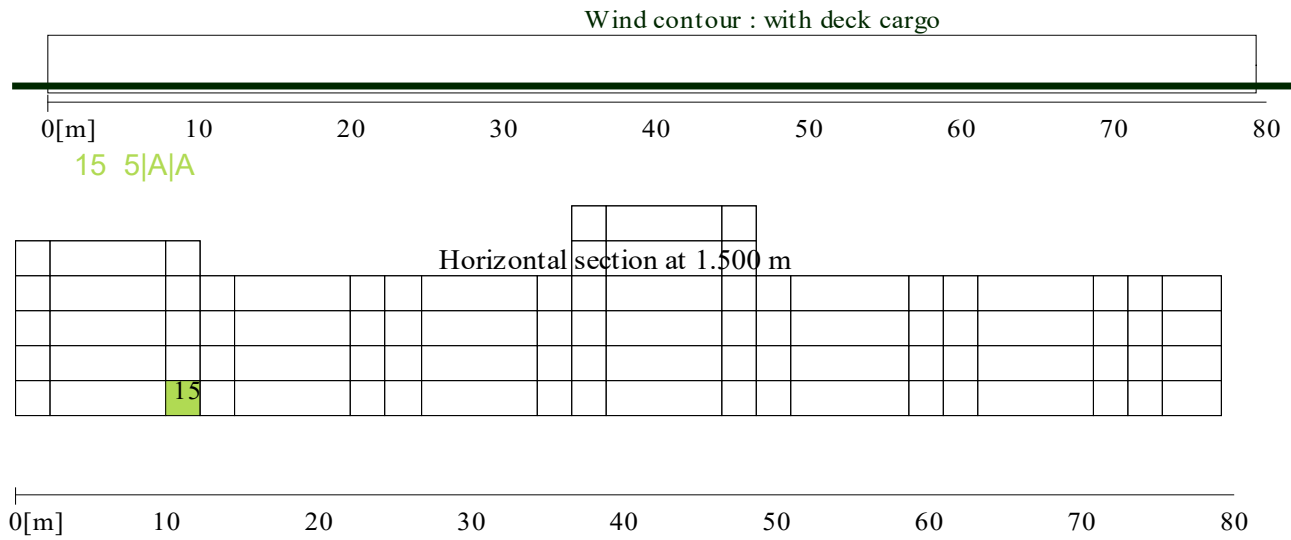
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.741
aft SB	0.000	4.877	0.000	-0.222
mid aft PS	36.576	-9.754	0.000	-0.896
mid aft SB	36.576	4.877	0.000	-0.273
mid fore PS	48.768	-9.754	0.000	-0.913
mid fore SB	48.768	4.877	0.000	-0.290
fore PS	79.350	-4.877	0.000	-0.749
fore SB	79.350	4.877	0.000	-0.334

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:37

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS



TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:38

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Description	Filling %	Density ton/m ³	Weight ton	VCG m	LCG m	TCG m	FSM tonm
Light ship	-	-	342.700	1.981	39.050	-0.708	-
Subtotals for group : Deck equipment							
railing & misc	-	-	1.000	2.500	39.620	0.285	-
ramp row 1	-	-	1.000	2.000	0.500	-4.877	-
ramp row 2	-	-	2.000	2.000	47.500	-10.254	-
SUBTOTAL	-	-	4.000	2.125	33.780	-6.275	-
Subtotals for group : Spuds							
All spuds GROUNDED	-	-	0.000	0.000	0.000	0.000	-
Spud carrier 1	-	-	1.330	1.000	-0.550	1.219	-
Spud carrier 2	-	-	1.330	1.000	30.480	-5.427	-
Spud carrier 3	-	-	1.330	1.000	54.864	-5.427	-
Spud carrier 4	-	-	1.330	1.000	79.798	1.219	-
SUBTOTAL	-	-	5.320	1.000	41.148	-2.104	-
Subtotals for group : WB							
5[A]A	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
SUBTOTAL	58.4	1.0000	6.300	0.579	11.053	3.657	2.699
Subtotals for group : Deck cargo							
== Total 1784 passengers	-	-	0.000	0.000	0.000	0.000	-
passengers row 1	-	-	0.000	3.000	6.100	-1.220	-
passengers row 2-3	-	-	44.590	3.000	24.380	0.000	-
passengers row 4	-	-	33.450	3.000	42.670	-2.440	-
passengers row 5-6-7	-	-	0.000	3.000	64.010	0.000	-
SUBTOTAL	-	-	78.040	3.000	32.220	-1.046	-
TOTAL	-	-	436.360	2.132	37.402	-0.773	2.699

Hydrostatics

Volume	436.378 m ³
LCF	38.677 m
Mom. change trim	55.372 tonm/cm
Ton/cm immersion	8.619 ton/cm
Density	1.0000 ton/m ³

Drafts and trim

Drafts above base :	
Draft mean (Lpp/2)	0.505 m
Draft aft (App)	0.555 m
Draft fore (Fpp)	0.455 m
Trim	-0.101 m

Transverse stability

KM transverse	23.374 m		
VCG	2.132 m		
GM solid	21.241 m		
GG' correction	0.006 m		
G'M liquid	21.235 m	VCG'	2.139 m

The stability values are calculated for the actual trim.

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:38

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Statical stability, calculated with constant LCB :

Angle degrees		Draft mld. m	Trim m	KNsinφ m	VCG'sinφ m	TCGcosφ m	G'Nsinφ m	Area mrad
60.00	PS	-4.585	1.080	-3.386	-1.852	-0.864	-0.670	1.731
50.00	PS	-2.846	0.743	-3.995	-1.638	-1.111	-1.246	1.564
40.00	PS	-1.711	0.523	-4.461	-1.375	-1.324	-1.763	1.300
35.00	PS	-1.264	0.436	-4.628	-1.227	-1.416	-1.986	1.136
30.00	PS	-0.869	0.363	-4.740	-1.069	-1.497	-2.174	0.954
25.00	PS	-0.519	0.301	-4.787	-0.904	-1.566	-2.317	0.758
20.00	PS	-0.209	0.226	-4.752	-0.731	-1.624	-2.397	0.552
15.00	PS	0.065	0.126	-4.575	-0.553	-1.669	-2.352	0.343
10.00	PS	0.299	0.029	-4.077	-0.371	-1.702	-2.004	0.149
5.00	PS	0.444	-0.035	-2.759	-0.186	-1.722	-0.851	0.018
2.00	PS	0.480	-0.074	-1.537	-0.075	-1.727	0.265	0.002
0.00		0.505	-0.101	-0.725	0.000	-1.728	1.004	0.024
2.00	SB	0.530	-0.127	0.089	0.075	-1.727	1.742	0.072
5.00	SB	0.559	-0.171	1.201	0.186	-1.722	2.737	0.190
10.00	SB	0.532	-0.235	2.280	0.371	-1.702	3.611	0.474
15.00	SB	0.409	-0.289	2.788	0.553	-1.669	3.904	0.804
20.00	SB	0.226	-0.345	3.078	0.731	-1.624	3.970	1.149
25.00	SB	0.013	-0.437	3.215	0.904	-1.566	3.878	1.492
30.00	SB	-0.220	-0.541	3.248	1.069	-1.497	3.676	1.822
35.00	SB	-0.478	-0.655	3.219	1.227	-1.416	3.408	2.132
40.00	SB	-0.769	-0.786	3.143	1.375	-1.324	3.092	2.416
50.00	SB	-1.508	-1.115	2.889	1.638	-1.111	2.362	2.893
60.00	SB	-2.640	-1.619	2.525	1.852	-0.864	1.538	3.235

Statical angle of inclination is 2.68 degrees to portside

Contour : with deck cargo

Additional heeling moment is -416.824 tonm

TRIM AND STABILITY CALCULATION

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:38

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Verification against the stability criteria "Residual freeboard >0.3 m"

Hydrostatics

Draft mld.	0.505 m
Trim	-0.101 m
Statical angle of inclination	2.68 degrees PS
Flooding angle PS	>60.00 degrees
Flooding angle SB	>60.00 degrees

Calculated to PS

Criterion	Value
Minimum metacentric height G'M	0.150 21.235 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000 2.681 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300 1.032 meter
Base of hull submerged (distance > 0)	0.000 -0.207 meter

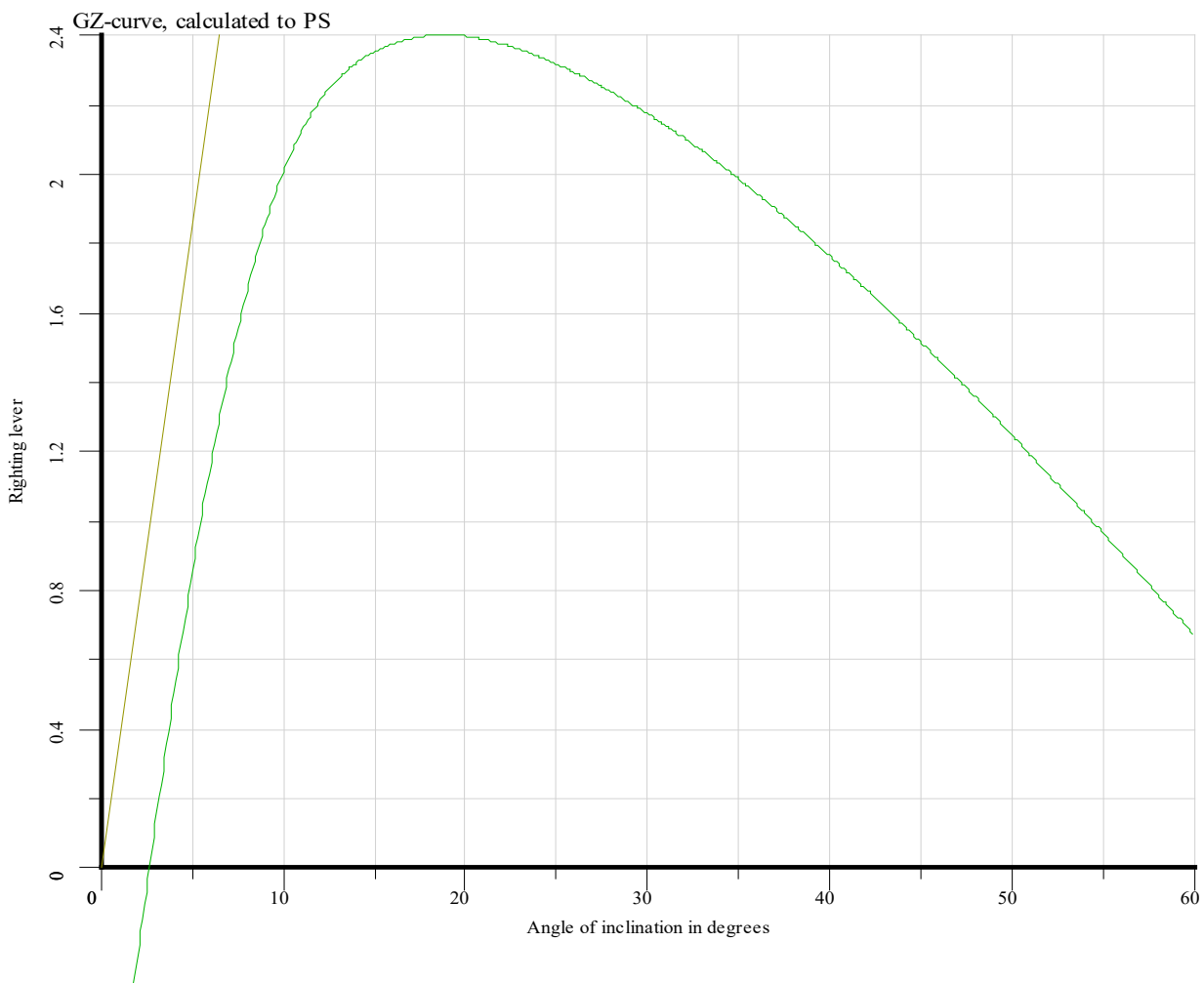
Calculated to SB

Criterion	Value
Minimum metacentric height G'M	0.150 21.235 meter
Maximum statical angle of inclination due to wind- and passenger moment	10.000 2.681 degrees PS
Distance between waterline and deck due to wind- and passenger moment	0.300 1.059 meter
Base of hull submerged (distance > 0)	0.000 -0.221 meter

VCG'

A non-zero statical angle of equilibrium occurs,
No maximum allowable VCG' is calculated.

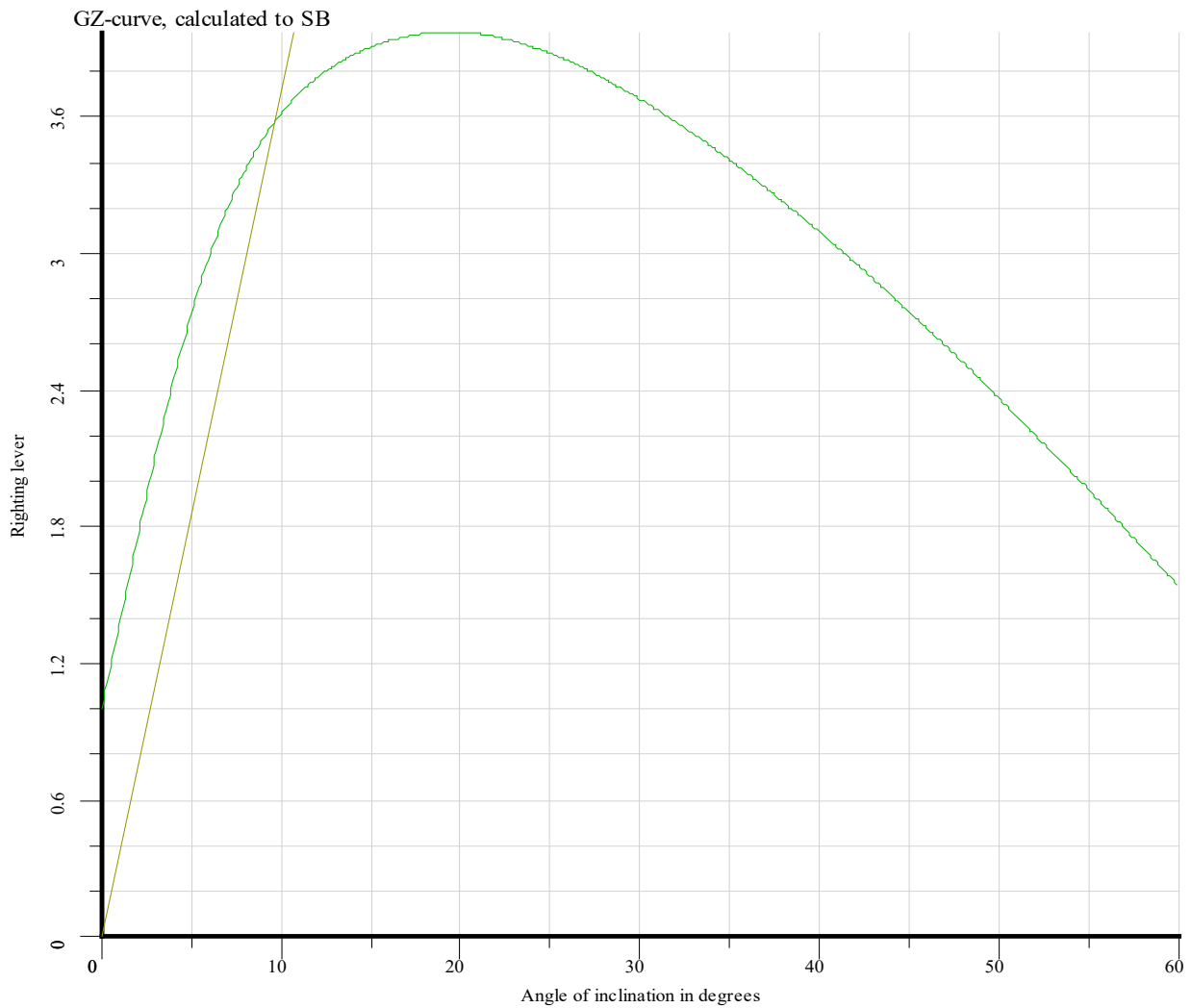
Loading condition complies with the stated criteria.



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:38

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS



TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:38

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Draft at equilibrium at selected locations

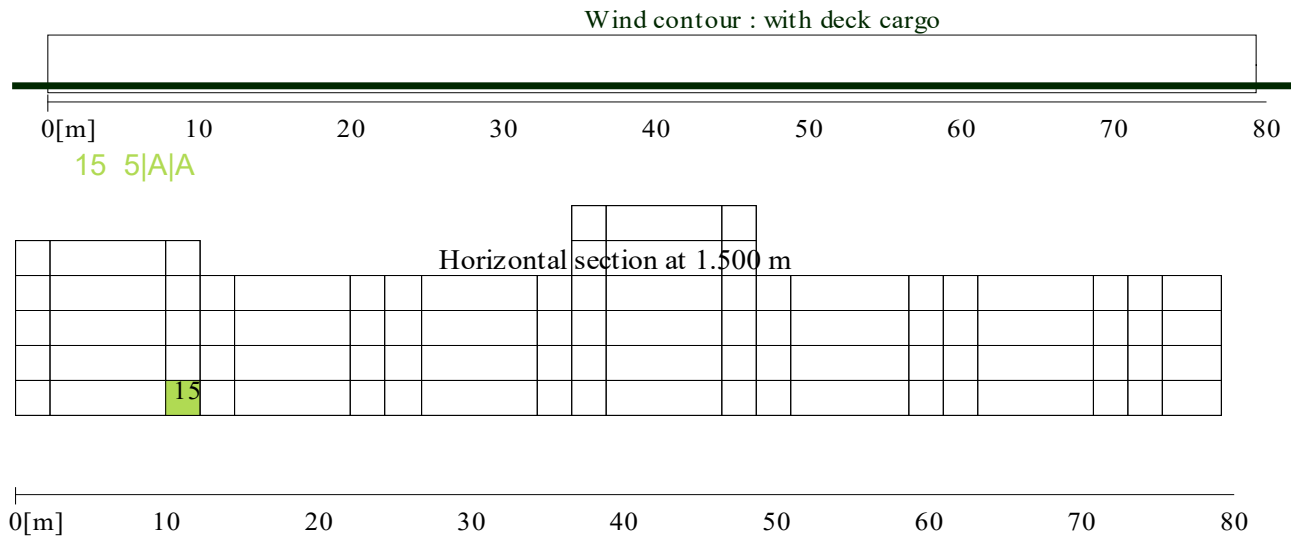
Location	Length	Breadth	Height	Freeboard
aft PS	0.000	-7.315	0.000	-0.849
aft SB	0.000	4.877	0.000	-0.279
mid aft PS	36.576	-9.754	0.000	-0.933
mid aft SB	36.576	4.877	0.000	-0.249
mid fore PS	48.768	-9.754	0.000	-0.923
mid fore SB	48.768	4.877	0.000	-0.239
fore PS	79.350	-4.877	0.000	-0.670
fore SB	79.350	4.877	0.000	-0.214

The heights in this table are from baseline

TRIM AND STABILITY CALCULATION
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:31:38

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS



5. DAMAGE STABILITY CALCULATIONS

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.210 m
Marginline	mid aft PS	-1.021 m
Marginline	mid fore PS	-0.933 m
Marginline	aft SB	-0.847 m
Marginline	mid aft SB	-0.586 m
Marginline	fore PS	-0.569 m
Marginline	mid fore SB	-0.498 m
Marginline	fore SB	-0.279 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.210 m
Marginline	mid aft PS	-1.021 m
Marginline	mid fore PS	-0.933 m
Marginline	aft SB	-0.847 m
Marginline	mid aft SB	-0.586 m
Marginline	fore PS	-0.569 m
Marginline	mid fore SB	-0.498 m
Marginline	fore SB	-0.279 m

Damaged compartments and intact compartment weights (at 1.70° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	19.950	1.0000
1 A A	0.000	1.0000	5.778	1.0000
2 A	0.000	1.0000	18.678	1.0000
2 A A	0.000	1.0000	5.397	1.0000
3 A	0.000	1.0000	17.387	1.0000
3 A A	0.000	1.0000	5.011	1.0000
6	0.000	1.0000	5.347	1.0000
6 A	0.000	1.0000	17.136	1.0000
7	0.000	1.0000	4.960	1.0000
7 A	0.000	1.0000	15.849	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	745.816	-1.169	-8.954	-0.458	1.570
50.00	PS	744.638	-0.504	-6.131	-1.026	1.440
40.00	PS	742.315	-0.075	-4.271	-1.547	1.215
35.00	PS	740.272	0.092	-3.530	-1.780	1.069
30.00	PS	737.283	0.238	-2.873	-1.985	0.905
25.00	PS	732.866	0.366	-2.283	-2.150	0.724
20.00	PS	726.032	0.480	-1.751	-2.250	0.531
15.00	PS	714.479	0.577	-1.281	-2.227	0.335
10.00	PS	691.775	0.649	-0.873	-1.908	0.150
5.00	PS	657.411	0.693	-0.636	-0.866	0.025
2.00	PS	637.414	0.708	-0.573	-0.078	0.000
1.70	PS	635.452	0.709	-0.566	0.000	0.000
0.00		624.134	0.718	-0.531	0.444	0.007
2.00	SB	610.856	0.728	-0.489	0.967	0.031
5.00	SB	590.698	0.741	-0.426	1.733	0.102
10.00	SB	556.441	0.711	-0.334	2.498	0.292
15.00	SB	536.754	0.597	-0.272	2.789	0.525
20.00	SB	527.194	0.438	-0.262	2.839	0.772
25.00	SB	522.671	0.269	-0.279	2.733	1.016
30.00	SB	520.615	0.090	-0.314	2.549	1.246
35.00	SB	519.982	-0.104	-0.368	2.318	1.459
40.00	SB	519.970	-0.322	-0.441	2.055	1.650
50.00	SB	519.969	-0.873	-0.626	1.455	1.958
60.00	SB	519.963	-1.717	-0.909	0.793	2.154

Statical angle of inclination is 1.70 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

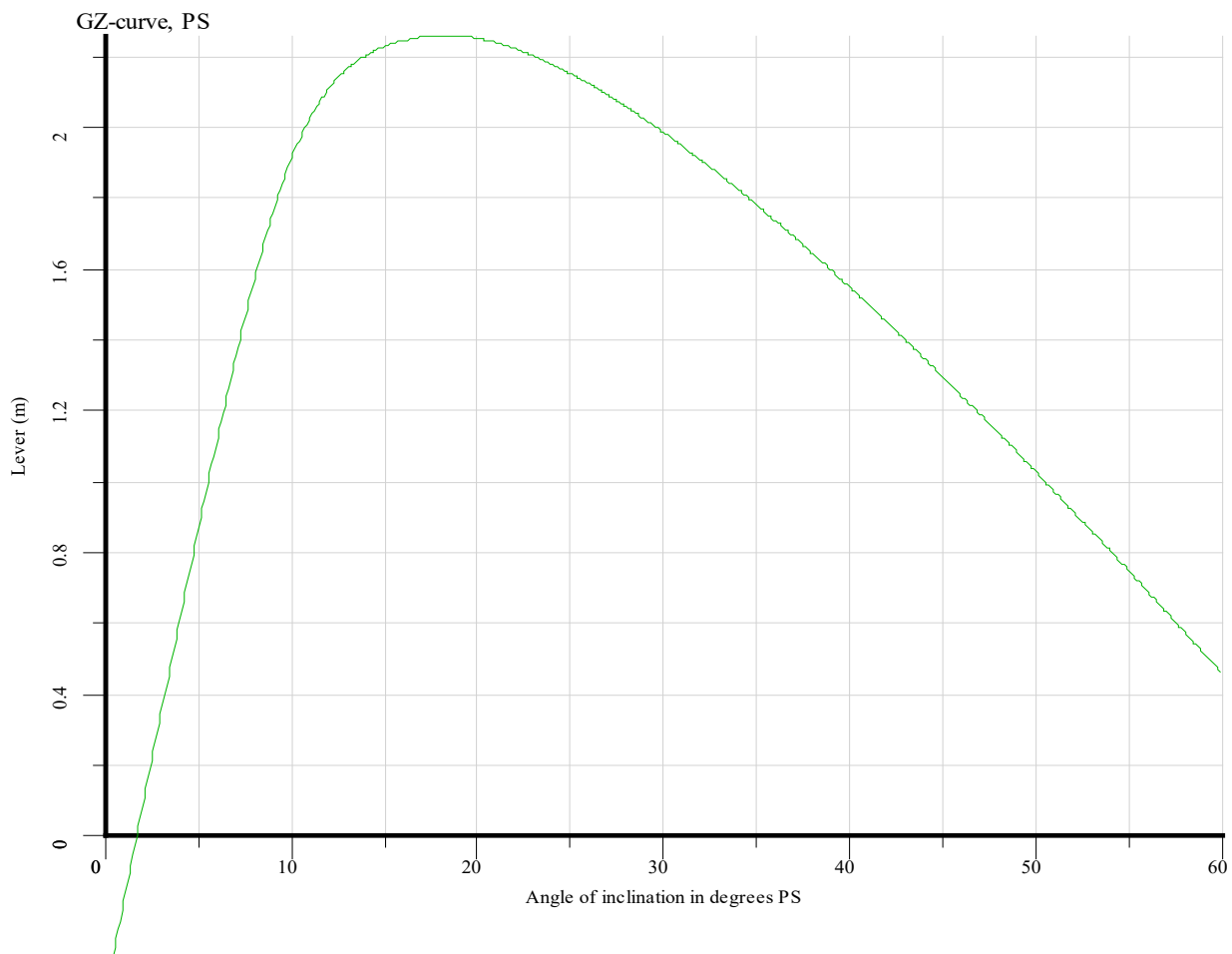
19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7565	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7816	meter
This damage case complies with the stated criteria				

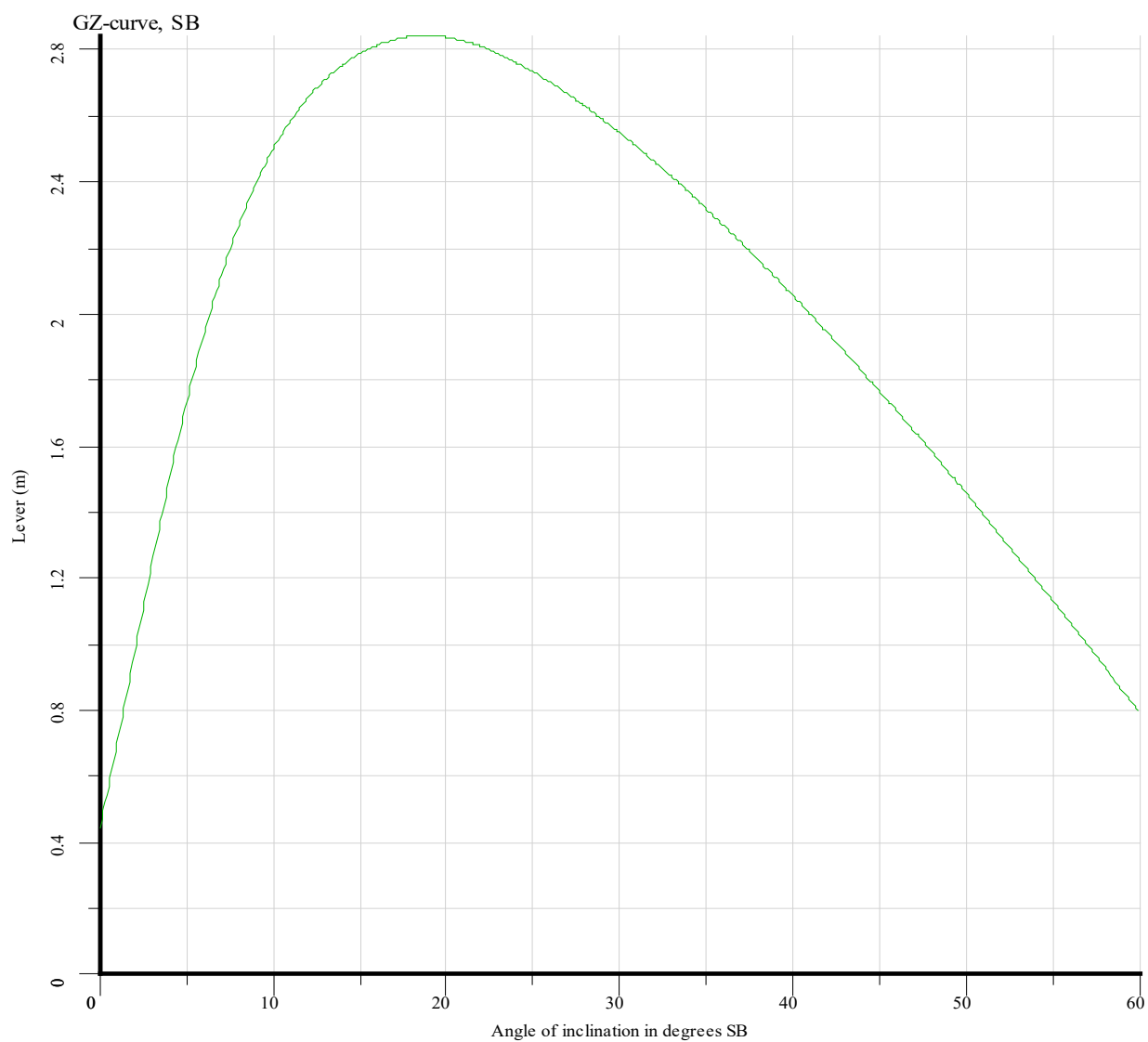


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

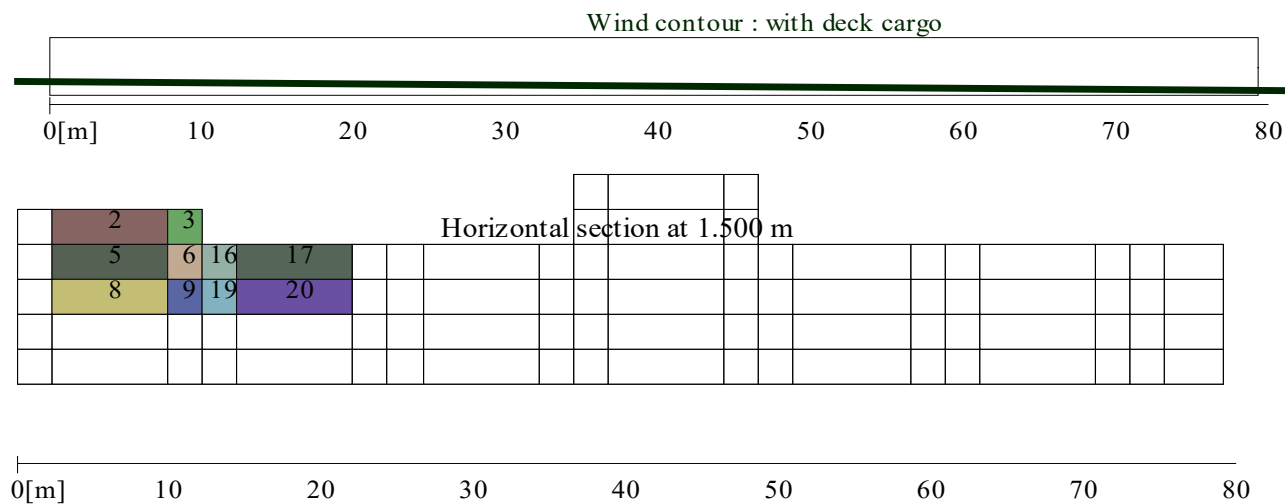
Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.313 m
Marginline	mid aft SB	-0.981 m
Marginline	aft PS	-0.889 m
Marginline	mid fore SB	-0.870 m
Marginline	fore SB	-0.593 m
Marginline	mid aft PS	-0.472 m
Marginline	mid fore PS	-0.361 m
Marginline	fore PS	-0.253 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.313 m
Marginline	mid aft SB	-0.981 m
Marginline	aft PS	-0.889 m
Marginline	mid fore SB	-0.870 m
Marginline	fore SB	-0.593 m
Marginline	mid aft PS	-0.472 m
Marginline	mid fore PS	-0.361 m
Marginline	fore PS	-0.253 m

Damaged compartments and intact compartment weights (at 1.99^o SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	18.458	1.0000
3 A A	0.000	1.0000	5.281	1.0000
4 A	0.000	1.0000	19.955	1.0000
4 A A	0.000	1.0000	5.728	1.0000
5 A	0.000	1.0000	21.459	1.0000
5 A A	6.300	1.0000	6.178	1.0000
7	0.000	1.0000	5.208	1.0000
7 A	0.000	1.0000	16.504	1.0000
8	0.000	1.0000	5.658	1.0000
8 A	0.000	1.0000	18.001	1.0000
9	0.000	1.0000	6.111	1.0000
9 A	0.000	1.0000	19.505	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	513.653	-3.731	2.094	-0.842	2.258
50.00	PS	513.940	-2.256	1.432	-1.519	2.052
40.00	PS	515.739	-1.286	0.970	-2.135	1.732
35.00	PS	517.594	-0.901	0.776	-2.408	1.533
30.00	PS	520.420	-0.559	0.597	-2.649	1.312
25.00	PS	524.641	-0.249	0.432	-2.842	1.072
20.00	PS	531.255	0.034	0.280	-2.964	0.819
15.00	PS	541.958	0.282	0.110	-2.978	0.558
10.00	PS	562.766	0.493	-0.105	-2.730	0.305
5.00	PS	602.158	0.632	-0.339	-1.735	0.106
2.00	PS	627.760	0.697	-0.502	-0.990	0.035
0.00		644.932	0.741	-0.612	-0.495	0.009
1.99	SB	661.715	0.784	-0.720	0.000	0.000
2.00	SB	661.778	0.784	-0.720	0.002	0.000
5.00	SB	687.351	0.849	-0.884	0.747	0.020
10.00	SB	725.331	0.916	-1.241	1.581	0.126
15.00	SB	746.583	0.947	-1.823	1.936	0.282
20.00	SB	758.343	0.970	-2.527	1.988	0.455
25.00	SB	765.601	0.990	-3.305	1.904	0.625
30.00	SB	770.381	1.009	-4.157	1.752	0.785
35.00	SB	773.684	1.028	-5.099	1.560	0.930
40.00	SB	776.018	1.048	-6.161	1.342	1.057
50.00	SB	778.849	1.093	-8.833	0.854	1.249
60.00	SB	780.347	1.157	-12.899	0.325	1.352

Statical angle of inclination is 1.99 degrees to starboard

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

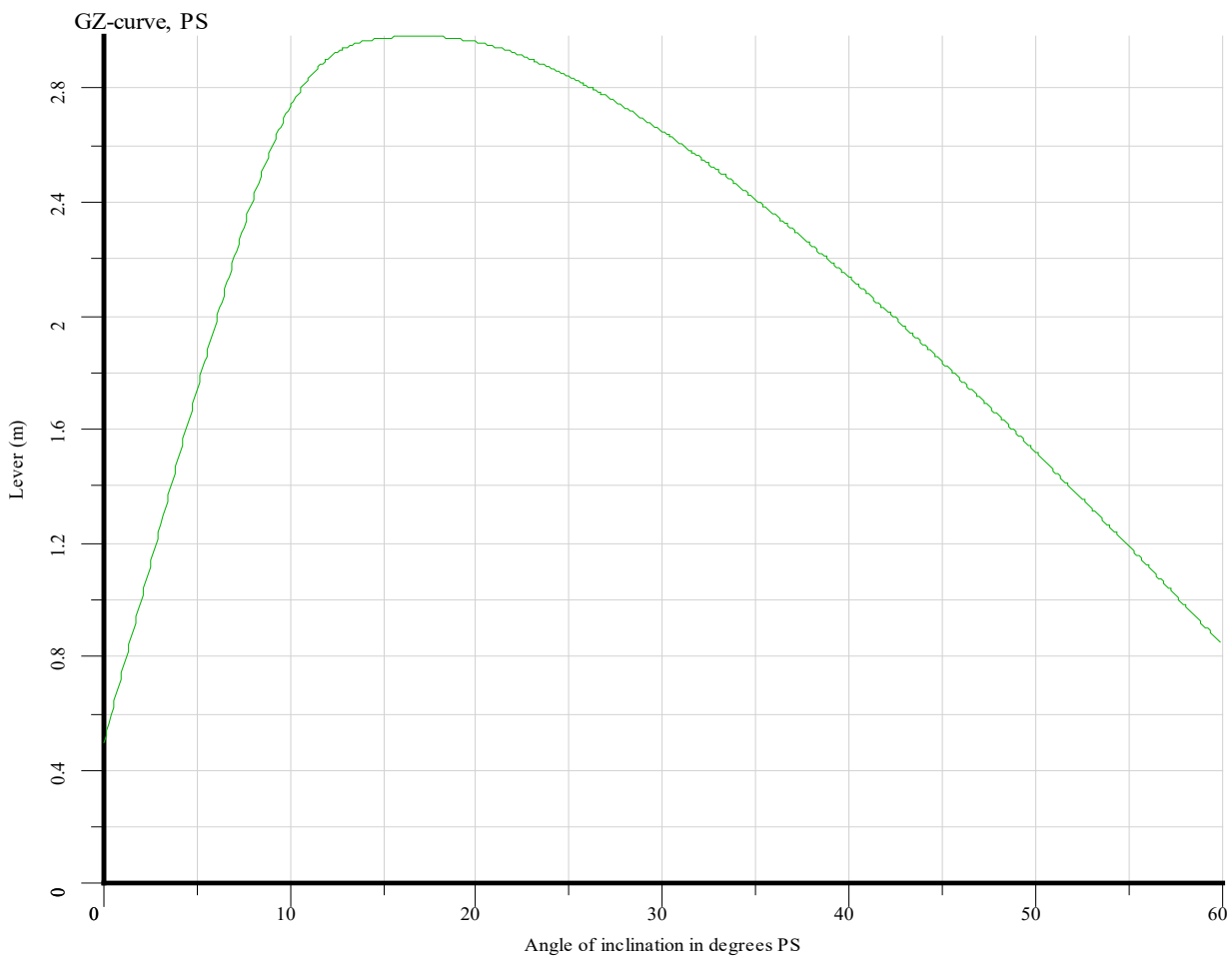
19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6793	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6532	meter
This damage case complies with the stated criteria				



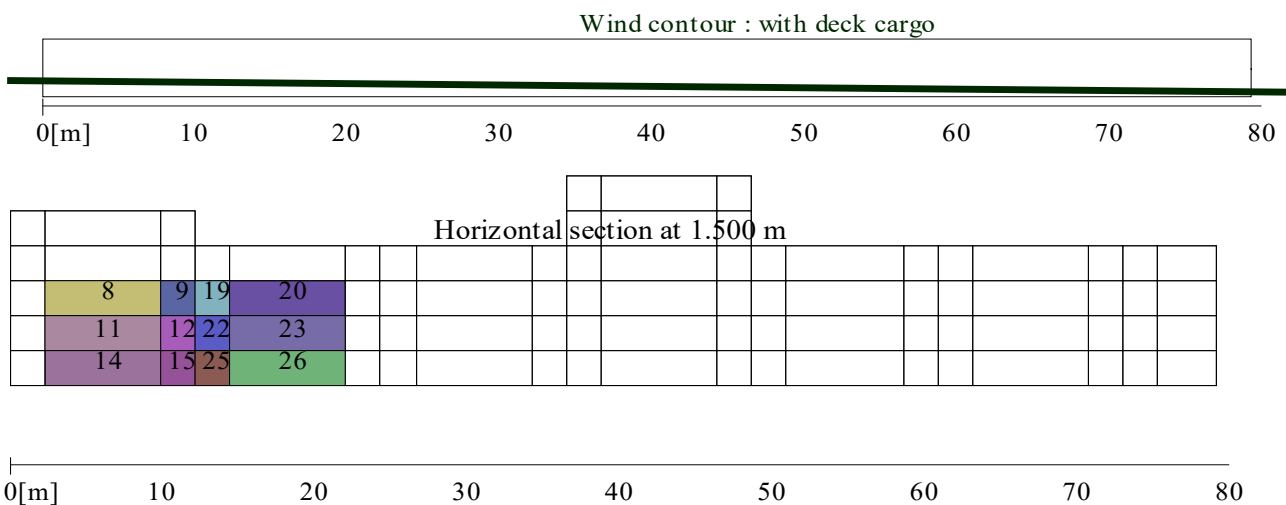
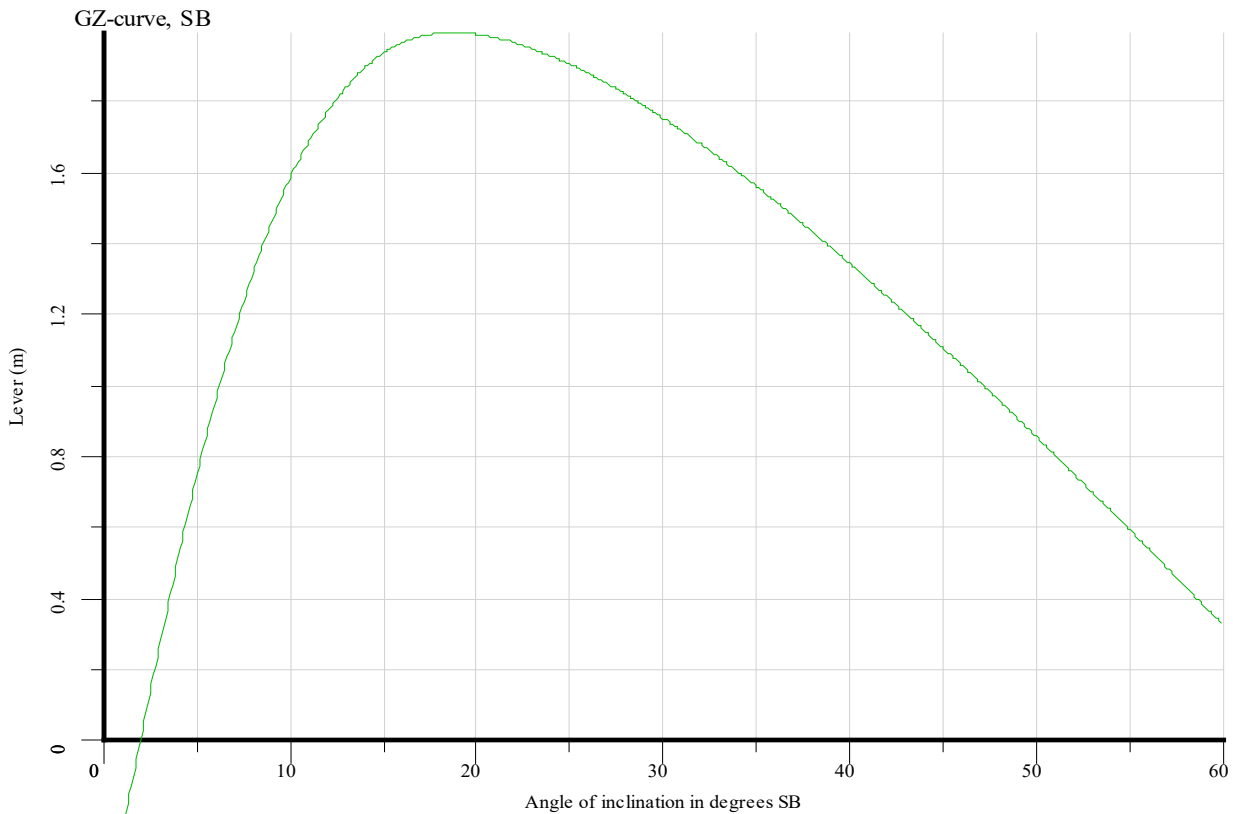
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.057 m
Marginline	mid aft SB	-0.868 m
Marginline	mid fore SB	-0.805 m
Marginline	aft PS	-0.699 m
Marginline	fore SB	-0.648 m
Marginline	mid aft PS	-0.439 m
Marginline	mid fore PS	-0.377 m
Marginline	fore PS	-0.362 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.057 m
Marginline	mid aft SB	-0.868 m
Marginline	mid fore SB	-0.805 m
Marginline	aft PS	-0.699 m
Marginline	fore SB	-0.648 m
Marginline	mid aft PS	-0.439 m
Marginline	mid fore PS	-0.377 m
Marginline	fore PS	-0.362 m

Damaged compartments and intact compartment weights (at 1.68° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	16.212	1.0000
4 A A	0.000	1.0000	4.712	1.0000
5 A	0.000	1.0000	17.484	1.0000
5 A A	6.300	1.0000	5.092	1.0000
8	0.000	1.0000	4.683	1.0000
8 A	0.000	1.0000	15.104	1.0000
9	0.000	1.0000	5.065	1.0000
9 A	0.000	1.0000	16.373	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	513.670	-3.731	2.092	-0.842	2.223
50.00	PS	513.664	-2.259	1.438	-1.518	2.016
40.00	PS	513.670	-1.297	1.014	-2.130	1.696
35.00	PS	513.667	-0.919	0.846	-2.399	1.498
30.00	PS	513.682	-0.584	0.697	-2.632	1.279
25.00	PS	513.672	-0.282	0.566	-2.814	1.041
20.00	PS	513.685	-0.010	0.456	-2.919	0.790
15.00	PS	514.151	0.229	0.330	-2.902	0.535
10.00	PS	521.602	0.435	0.144	-2.635	0.289
5.00	PS	549.442	0.574	-0.084	-1.668	0.097
2.00	PS	571.469	0.635	-0.230	-0.917	0.029
0.00		586.172	0.676	-0.327	-0.417	0.006
1.68	SB	598.400	0.710	-0.408	0.000	0.000
2.00	SB	600.728	0.717	-0.424	0.082	0.000
5.00	SB	622.687	0.777	-0.570	0.825	0.024
10.00	SB	657.282	0.834	-0.872	1.655	0.137
15.00	SB	678.169	0.834	-1.305	2.028	0.300
20.00	SB	687.334	0.808	-1.816	2.090	0.481
25.00	SB	691.786	0.772	-2.370	2.009	0.661
30.00	SB	693.846	0.727	-2.961	1.858	0.830
35.00	SB	694.760	0.676	-3.605	1.664	0.984
40.00	SB	695.175	0.615	-4.328	1.442	1.120
50.00	SB	695.403	0.460	-6.152	0.940	1.328
60.00	SB	695.409	0.219	-8.941	0.393	1.445

Statical angle of inclination is 1.68 degrees to starboard

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

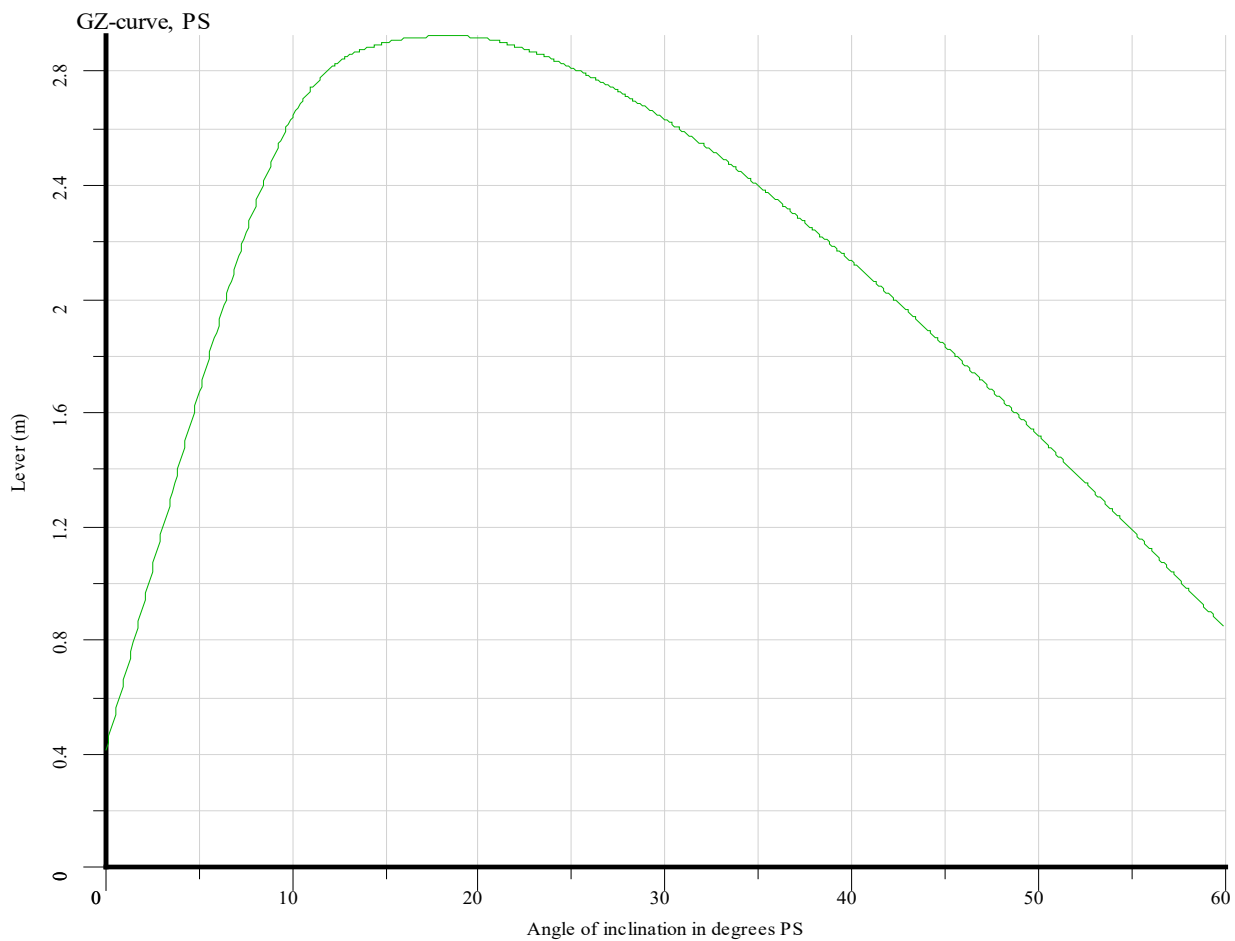
19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9353	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9095	meter
This damage case complies with the stated criteria				



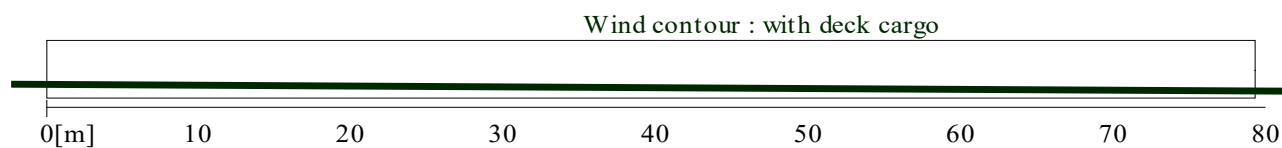
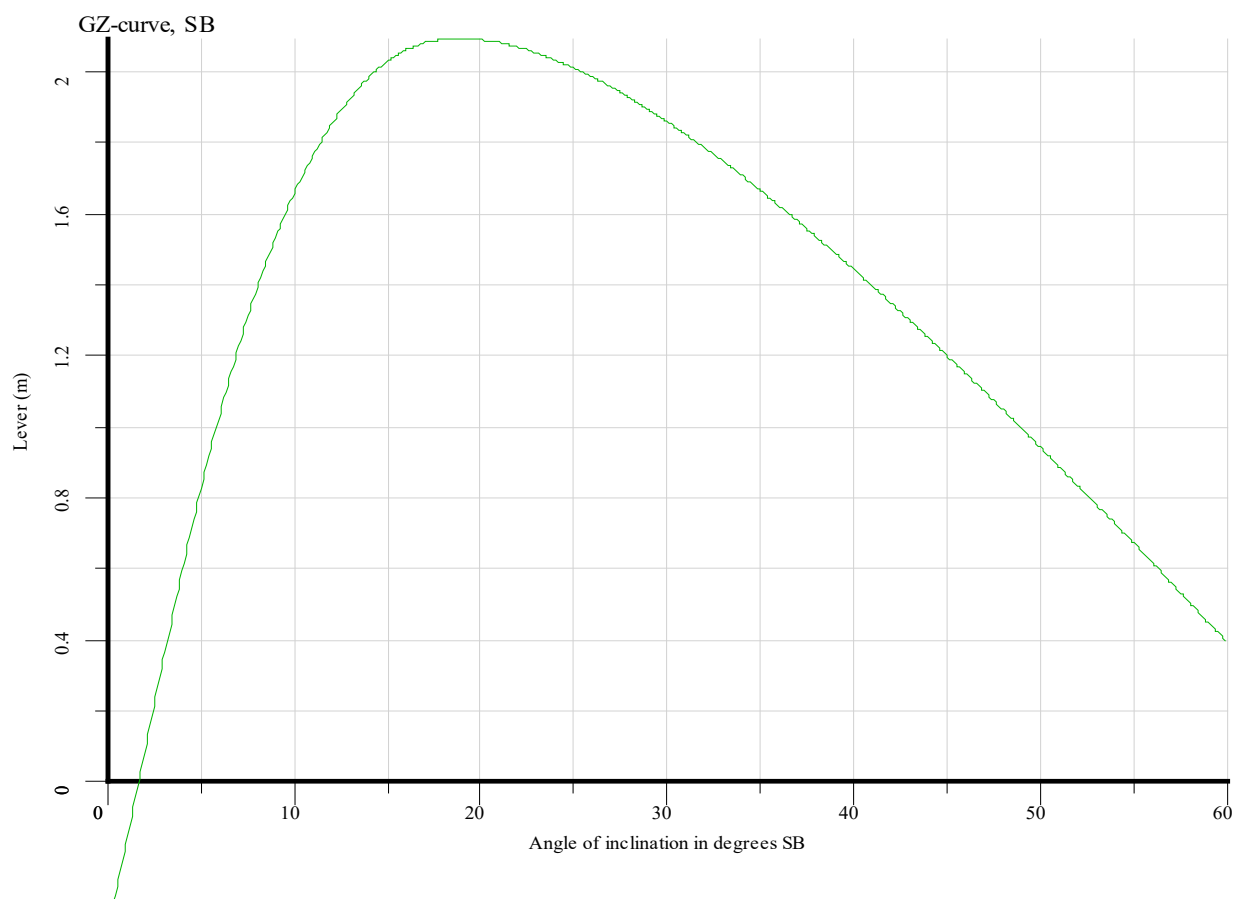
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

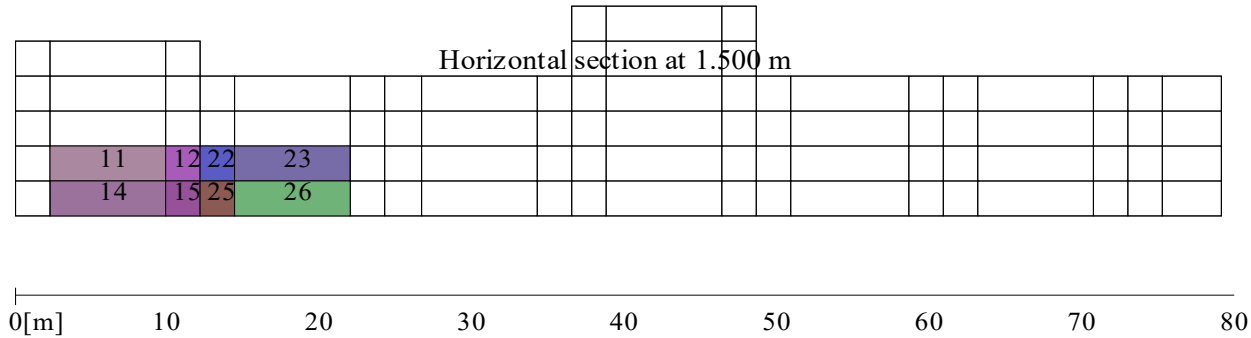


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.130 m
Marginline	mid aft PS	-1.125 m
Marginline	aft PS	-0.994 m
Marginline	fore PS	-0.914 m
Marginline	fore SB	-0.456 m
Marginline	mid fore SB	-0.443 m
Marginline	mid aft SB	-0.437 m
Marginline	aft SB	-0.421 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.130 m
Marginline	mid aft PS	-1.125 m
Marginline	aft PS	-0.994 m
Marginline	fore PS	-0.914 m
Marginline	fore SB	-0.456 m
Marginline	mid fore SB	-0.443 m
Marginline	mid aft SB	-0.437 m
Marginline	aft SB	-0.421 m

Damaged compartments and intact compartment weights (at 2.69° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	14.769	1.0000
10 A A	0.000	1.0000	4.427	1.0000
14	0.000	1.0000	5.641	1.0000
14 A	0.000	1.0000	18.779	1.0000
15	0.000	1.0000	5.070	1.0000
15 A	0.000	1.0000	16.879	1.0000
16	0.000	1.0000	4.464	1.0000
16 A	0.000	1.0000	14.867	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	701.472	-1.658	1.619	-0.296	1.274
50.00	PS	701.489	-0.832	1.112	-0.816	1.177
40.00	PS	700.665	-0.297	0.787	-1.295	0.992
35.00	PS	699.417	-0.090	0.660	-1.509	0.869
30.00	PS	697.348	0.092	0.548	-1.697	0.729
25.00	PS	694.055	0.255	0.448	-1.844	0.574
20.00	PS	688.697	0.404	0.356	-1.917	0.409
15.00	PS	679.586	0.540	0.275	-1.836	0.244
10.00	PS	663.080	0.638	0.167	-1.449	0.097
5.00	PS	624.664	0.663	0.071	-0.491	0.010
2.69	PS	604.885	0.669	0.036	0.000	0.000
2.00	PS	598.937	0.670	0.025	0.146	0.001
0.00		581.903	0.675	-0.006	0.568	0.013
2.00	SB	564.758	0.680	-0.036	0.990	0.041
5.00	SB	540.489	0.686	-0.082	1.615	0.109
10.00	SB	523.052	0.665	-0.123	2.385	0.287
15.00	SB	519.976	0.568	-0.149	2.718	0.512
20.00	SB	519.970	0.421	-0.191	2.811	0.755
25.00	SB	519.970	0.261	-0.245	2.724	0.997
30.00	SB	519.964	0.088	-0.303	2.547	1.228
35.00	SB	519.973	-0.104	-0.368	2.318	1.440
40.00	SB	519.956	-0.322	-0.441	2.055	1.631
50.00	SB	519.964	-0.873	-0.626	1.455	1.939
60.00	SB	519.970	-1.717	-0.912	0.793	2.135

Statical angle of inclination is 2.69 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 3

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.8281

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

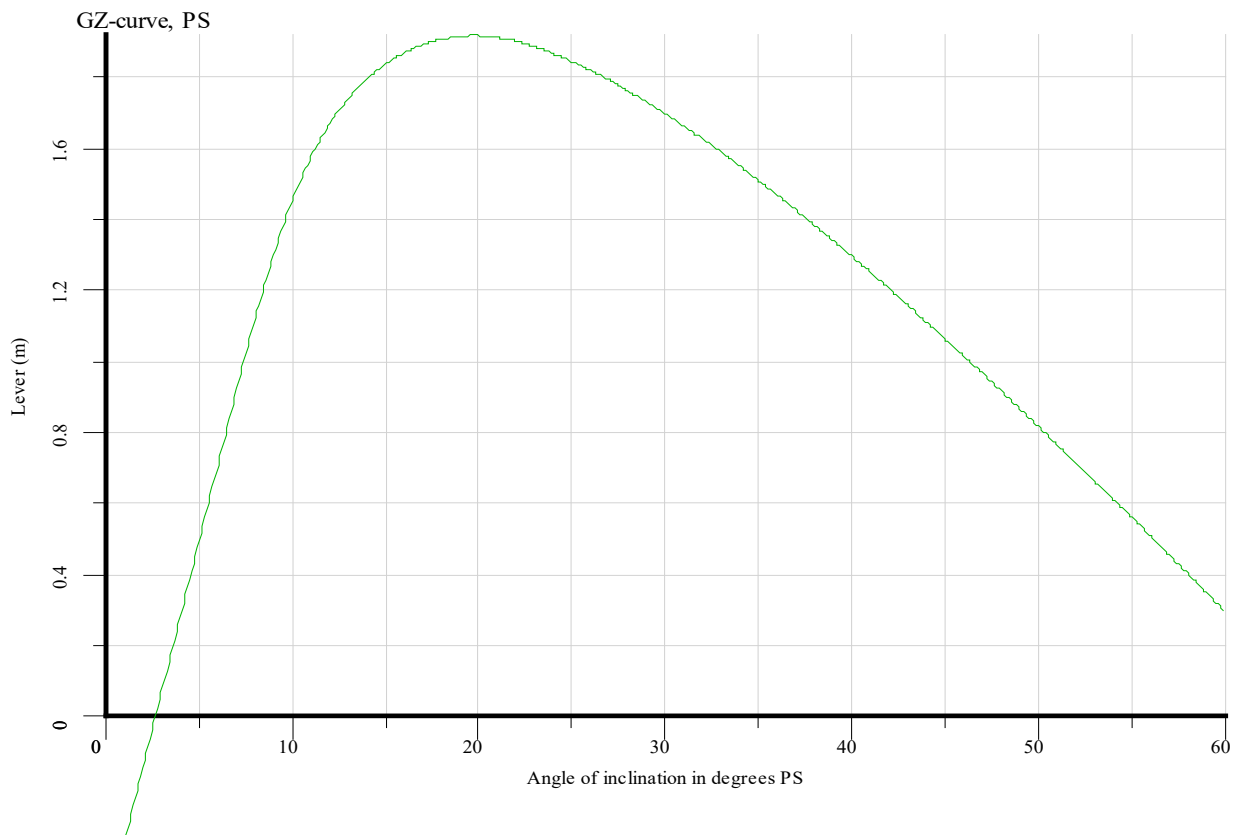
0.1000

Value

0.8690

meter

This damage case complies with the stated criteria

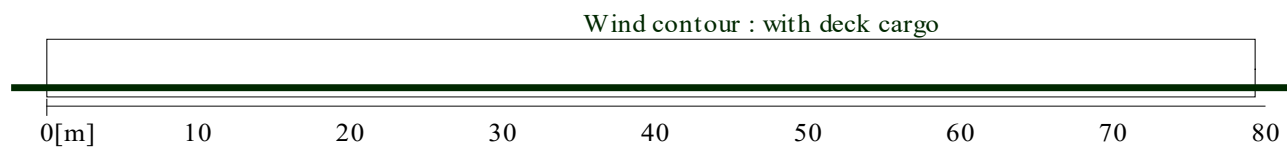
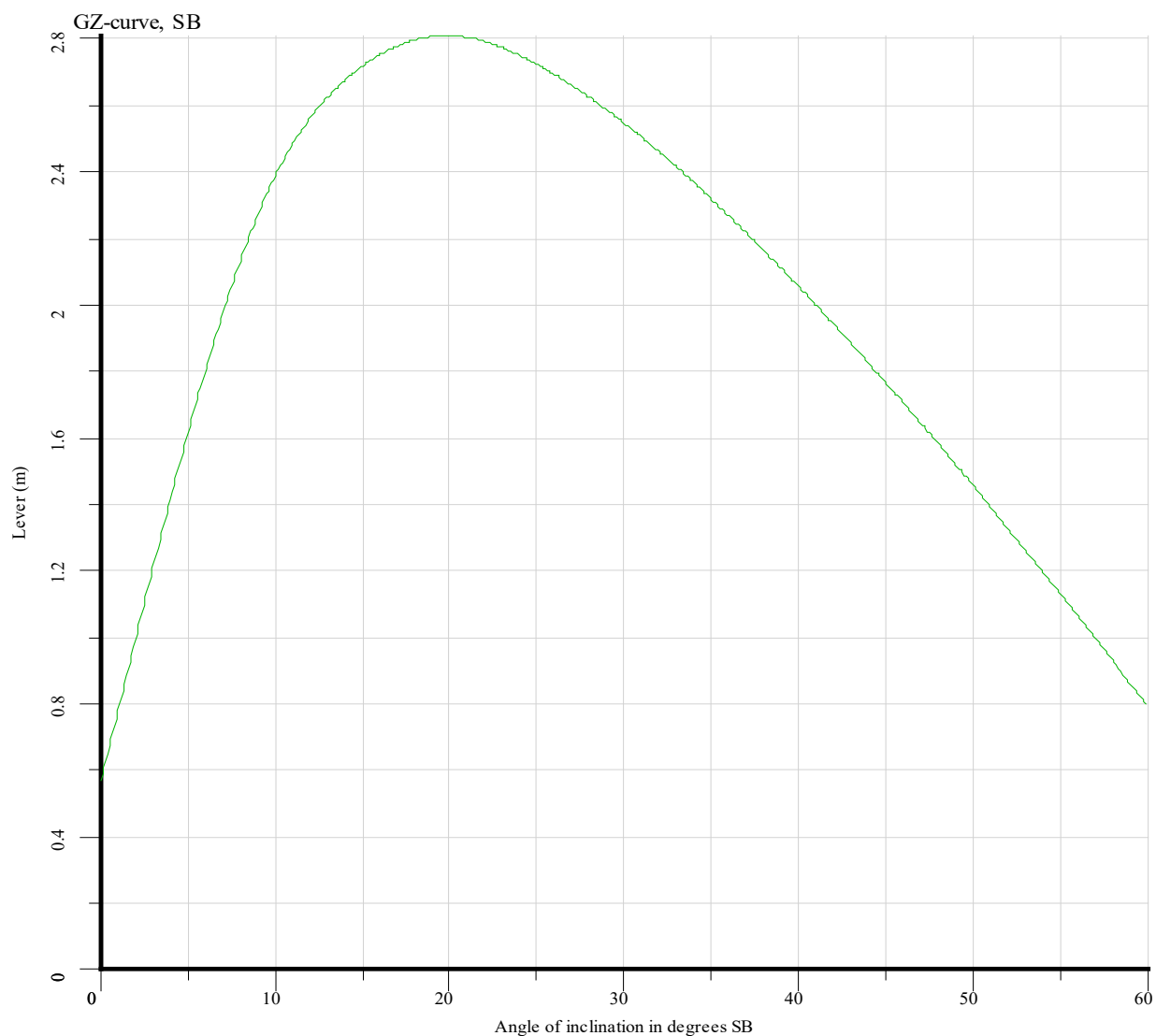


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

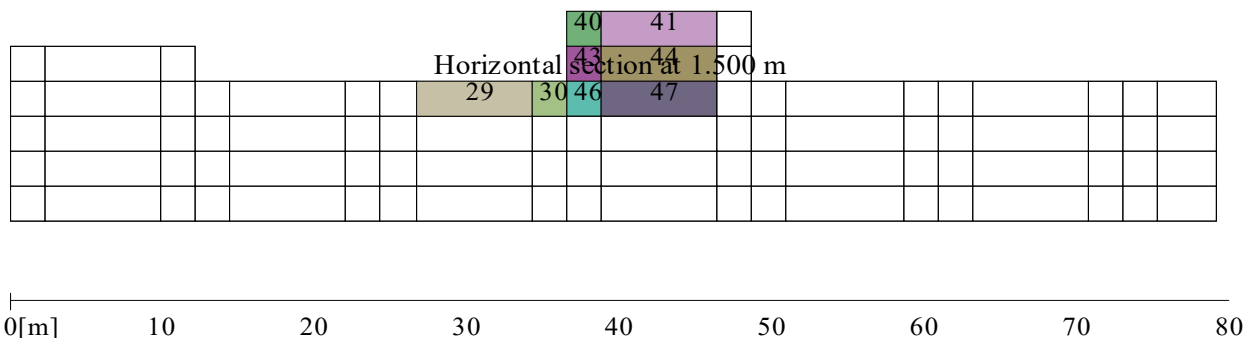
Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.932 m
Marginline	mid fore PS	-0.931 m
Marginline	aft PS	-0.874 m
Marginline	fore PS	-0.806 m
Marginline	aft SB	-0.568 m
Marginline	mid aft SB	-0.565 m
Marginline	mid fore SB	-0.564 m
Marginline	fore SB	-0.562 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.932 m
Marginline	mid fore PS	-0.931 m
Marginline	aft PS	-0.874 m
Marginline	fore PS	-0.806 m
Marginline	aft SB	-0.568 m
Marginline	mid aft SB	-0.565 m
Marginline	mid fore SB	-0.564 m
Marginline	fore SB	-0.562 m

Damaged compartments and intact compartment weights (at 1.44° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	13.771	1.0000
10 A A	0.000	1.0000	4.114	1.0000
11 A	0.000	1.0000	12.686	1.0000
11 A A	0.000	1.0000	3.790	1.0000
15	0.000	1.0000	4.465	1.0000
15 A	0.000	1.0000	14.826	1.0000
16	0.000	1.0000	4.143	1.0000
16 A	0.000	1.0000	13.753	1.0000
17	0.000	1.0000	3.816	1.0000
17 A	0.000	1.0000	12.668	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	685.234	-1.837	1.347	-0.600	1.775
50.00	PS	685.227	-0.956	0.927	-1.209	1.617
40.00	PS	685.234	-0.380	0.653	-1.768	1.356
35.00	PS	685.234	-0.153	0.545	-2.018	1.191
30.00	PS	685.197	0.047	0.449	-2.239	1.005
25.00	PS	684.033	0.225	0.364	-2.415	0.801
20.00	PS	680.462	0.385	0.287	-2.512	0.585
15.00	PS	672.741	0.528	0.222	-2.450	0.368
10.00	PS	655.795	0.628	0.125	-2.086	0.165
5.00	PS	628.222	0.667	0.041	-0.939	0.029
2.00	PS	611.190	0.684	0.001	-0.148	0.001
1.44	PS	608.015	0.687	-0.007	0.000	0.000
0.00		599.935	0.696	-0.026	0.377	0.005
2.00	SB	588.562	0.707	-0.052	0.901	0.027
5.00	SB	571.344	0.723	-0.093	1.668	0.095
10.00	SB	546.441	0.699	-0.136	2.461	0.280
15.00	SB	532.466	0.590	-0.158	2.771	0.510
20.00	SB	524.988	0.433	-0.197	2.831	0.756
25.00	SB	521.505	0.266	-0.248	2.729	1.000
30.00	SB	520.141	0.088	-0.304	2.548	1.230
35.00	SB	519.970	-0.104	-0.368	2.318	1.443
40.00	SB	519.970	-0.322	-0.441	2.055	1.634
50.00	SB	519.982	-0.873	-0.627	1.455	1.941
60.00	SB	519.941	-1.718	-0.910	0.793	2.138

Statical angle of inclination is 1.44 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 2

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

1.0320

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

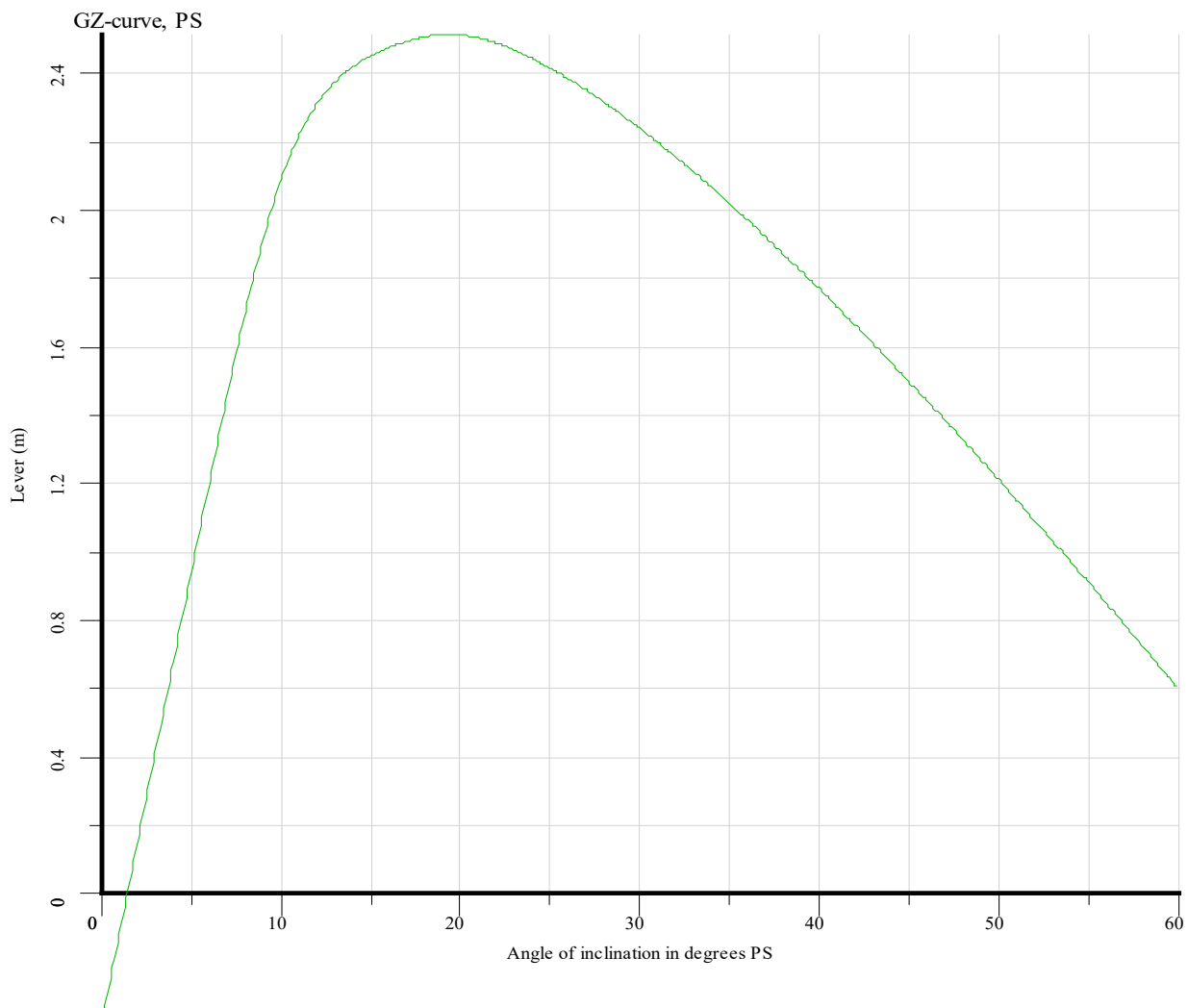
0.1000

Value

1.0635

meter

This damage case complies with the stated criteria

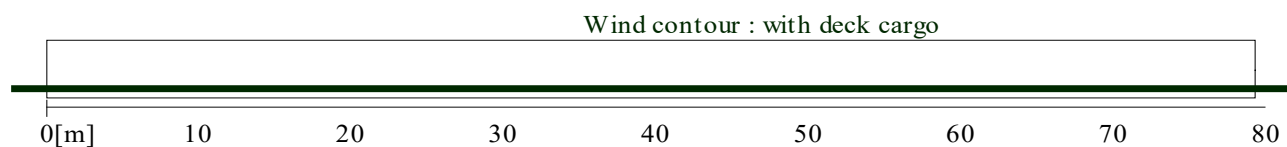
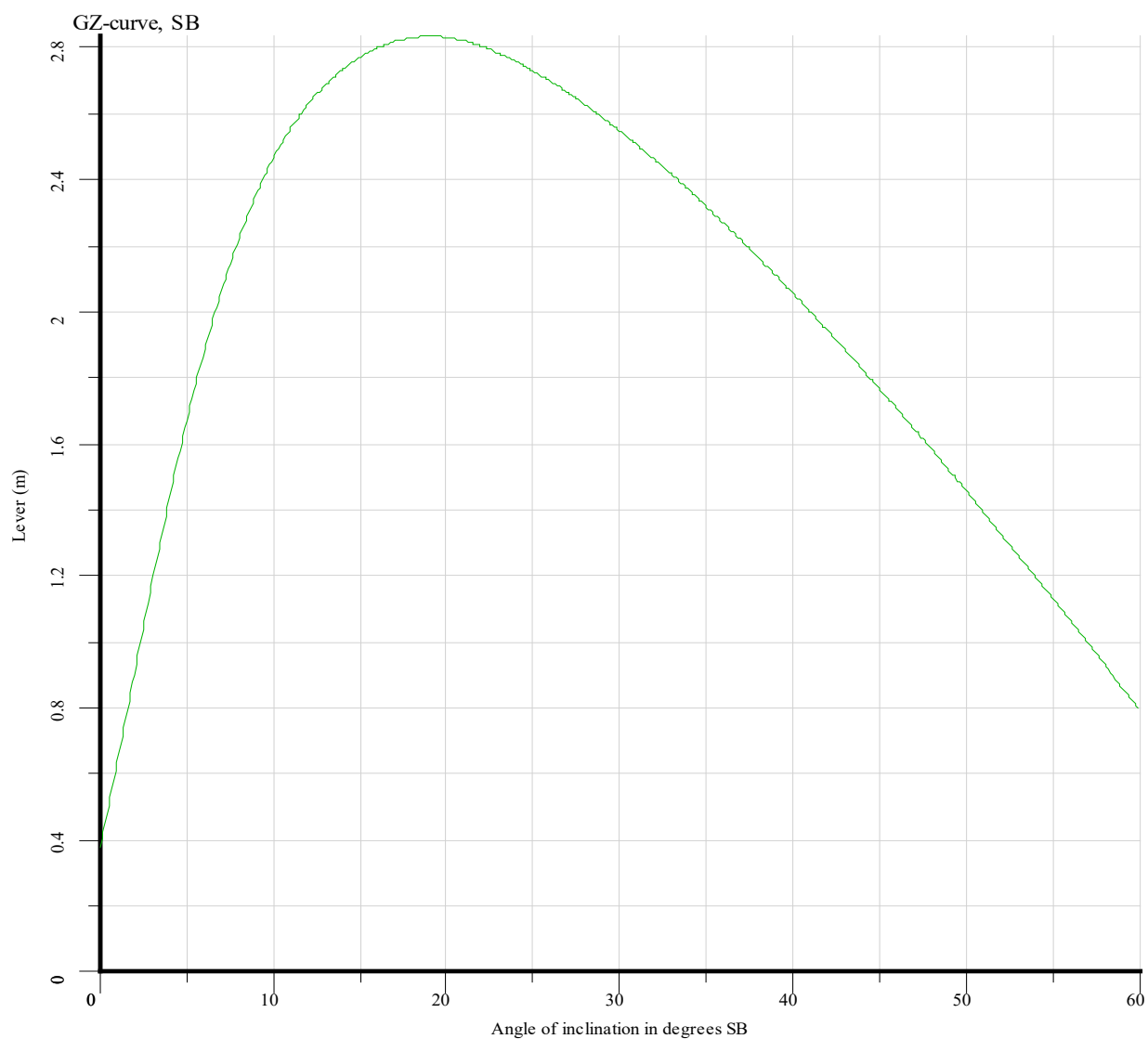


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

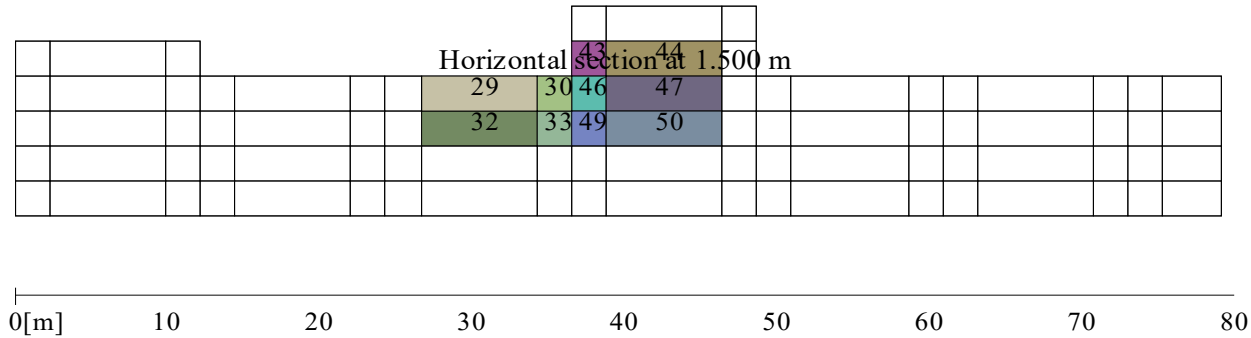


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.162 m
Marginline	mid aft PS	-1.140 m
Marginline	fore PS	-0.979 m
Marginline	aft PS	-0.955 m
Marginline	fore SB	-0.505 m
Marginline	mid fore SB	-0.449 m
Marginline	mid aft SB	-0.428 m
Marginline	aft SB	-0.362 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.162 m
Marginline	mid aft PS	-1.140 m
Marginline	fore PS	-0.979 m
Marginline	aft PS	-0.955 m
Marginline	fore SB	-0.505 m
Marginline	mid fore SB	-0.449 m
Marginline	mid aft SB	-0.428 m
Marginline	aft SB	-0.362 m

Damaged compartments and intact compartment weights (at 2.79° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	19.154	1.0000
14 A A	0.000	1.0000	5.775	1.0000
15 A	0.000	1.0000	17.177	1.0000
15 A A	0.000	1.0000	5.182	1.0000
16 A	0.000	1.0000	15.095	1.0000
16 A A	0.000	1.0000	4.560	1.0000
20	0.000	1.0000	4.614	1.0000
20 A	0.000	1.0000	15.485	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 3
 Stage of flooding 100%
 Intact displacement 519.970 ton
 Intact VCG 2.277 m
 Intact LCG 38.576 m
 Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	701.323	-1.660	3.815	-0.272	1.234
50.00	PS	701.362	-0.833	2.624	-0.785	1.141
40.00	PS	701.202	-0.294	1.848	-1.256	0.962
35.00	PS	700.727	-0.084	1.541	-1.466	0.843
30.00	PS	699.450	0.100	1.265	-1.650	0.707
25.00	PS	696.893	0.263	1.012	-1.793	0.556
20.00	PS	692.211	0.412	0.776	-1.863	0.396
15.00	PS	683.227	0.545	0.563	-1.788	0.235
10.00	PS	665.801	0.642	0.359	-1.397	0.093
5.00	PS	626.471	0.667	0.198	-0.465	0.009
2.79	PS	607.027	0.671	0.144	0.000	0.000
2.00	PS	600.085	0.673	0.125	0.165	0.001
0.00		582.596	0.677	0.077	0.582	0.014
2.00	SB	565.027	0.681	0.029	0.999	0.042
5.00	SB	540.111	0.686	-0.044	1.617	0.110
10.00	SB	522.593	0.665	-0.115	2.382	0.288
15.00	SB	519.976	0.568	-0.149	2.718	0.513
20.00	SB	519.967	0.421	-0.191	2.811	0.756
25.00	SB	519.970	0.261	-0.245	2.724	0.998
30.00	SB	519.978	0.088	-0.304	2.547	1.229
35.00	SB	519.963	-0.104	-0.368	2.318	1.441
40.00	SB	519.986	-0.321	-0.442	2.055	1.632
50.00	SB	519.970	-0.873	-0.626	1.455	1.940
60.00	SB	519.970	-1.717	-0.911	0.793	2.137

Statical angle of inclination is 2.79 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

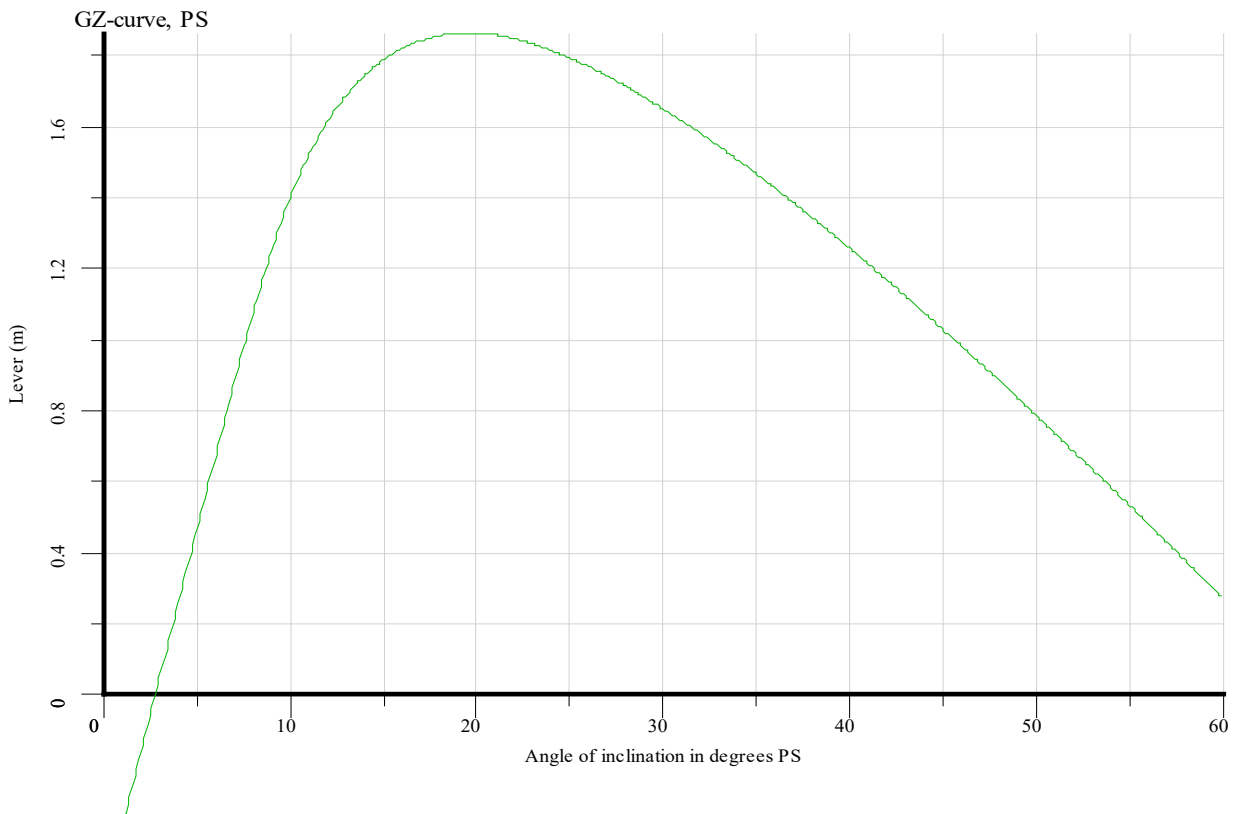
19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7963	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8379	meter
This damage case complies with the stated criteria				



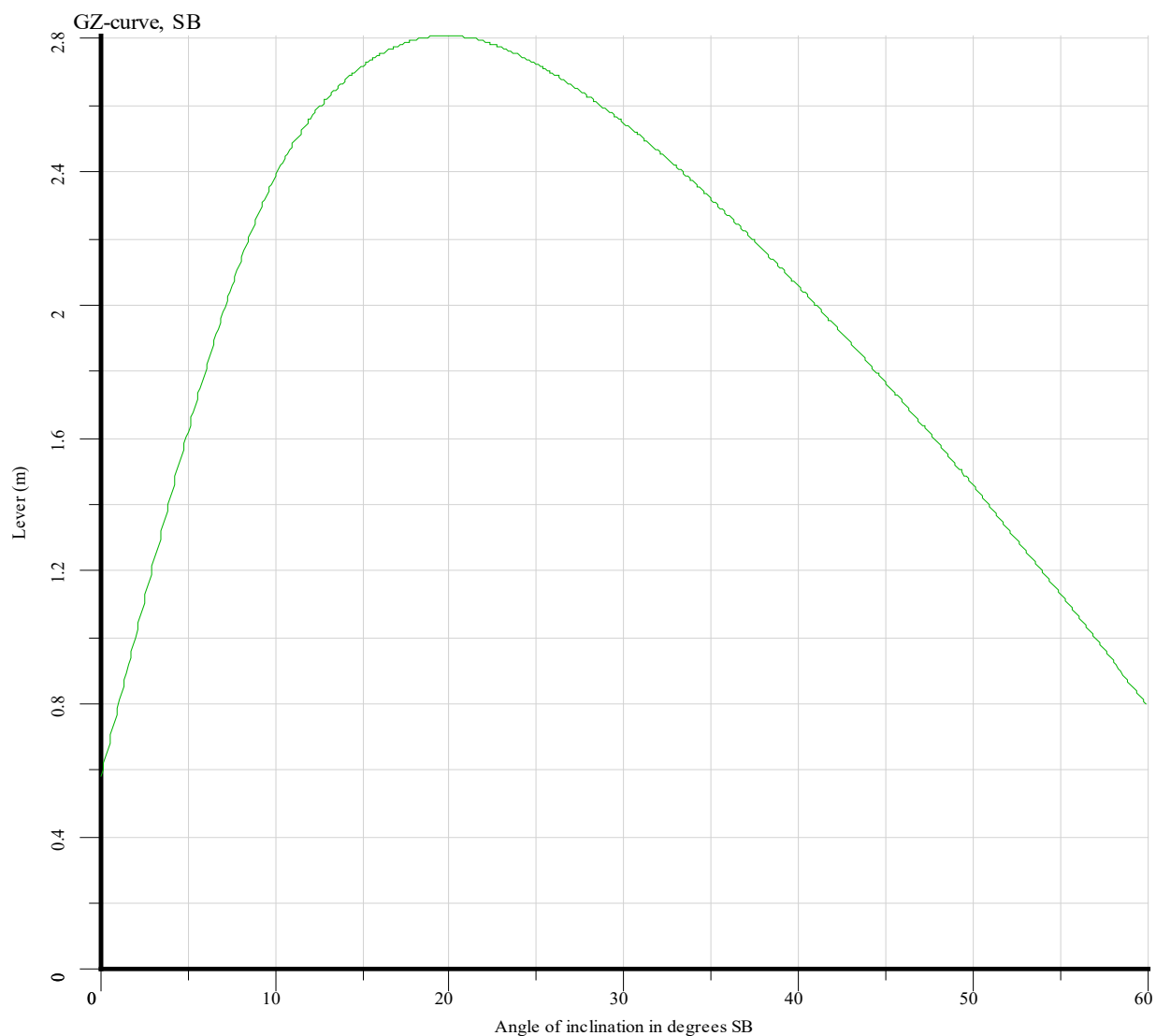
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

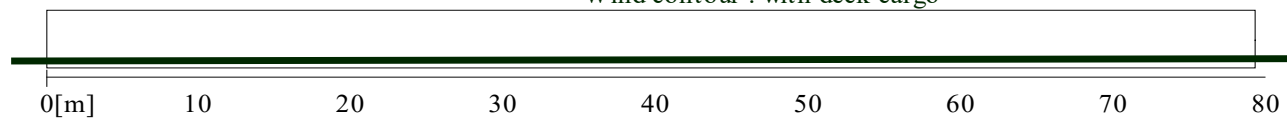
19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



Wind contour : with deck cargo



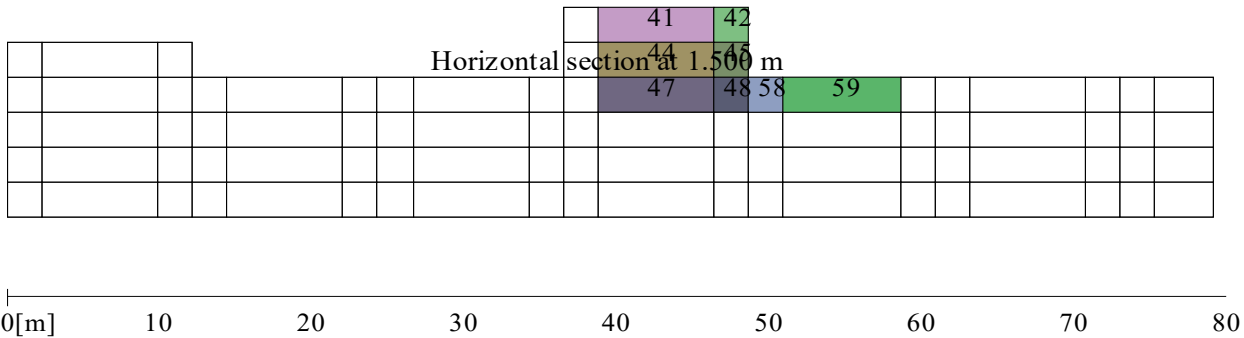
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 3
 Stage of flooding 100%
 Intact displacement 519.970 ton
 Intact VCG 2.277 m
 Intact LCG 38.576 m
 Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.972 m
Marginline	mid aft PS	-0.947 m
Marginline	fore PS	-0.903 m
Marginline	aft PS	-0.808 m
Marginline	fore SB	-0.641 m
Marginline	mid fore SB	-0.579 m
Marginline	mid aft SB	-0.554 m
Marginline	aft SB	-0.480 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.972 m
Marginline	mid aft PS	-0.947 m
Marginline	fore PS	-0.903 m
Marginline	aft PS	-0.808 m
Marginline	fore SB	-0.641 m
Marginline	mid fore SB	-0.579 m
Marginline	mid aft SB	-0.554 m
Marginline	aft SB	-0.480 m

Damaged compartments and intact compartment weights (at 1.54° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	15.208	1.0000
15 A A	0.000	1.0000	4.600	1.0000
16 A	0.000	1.0000	14.057	1.0000
16 A A	0.000	1.0000	4.255	1.0000
17 A	0.000	1.0000	12.894	1.0000
17 A A	0.000	1.0000	3.907	1.0000
20	0.000	1.0000	4.309	1.0000
20 A	0.000	1.0000	14.491	1.0000
21	0.000	1.0000	3.959	1.0000
21 A	0.000	1.0000	13.329	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	700.405	-1.670	4.238	-0.569	1.723
50.00	PS	700.404	-0.840	2.916	-1.169	1.571
40.00	PS	700.329	-0.299	2.052	-1.720	1.318
35.00	PS	699.903	-0.088	1.709	-1.966	1.157
30.00	PS	698.642	0.097	1.401	-2.181	0.975
25.00	PS	695.946	0.261	1.119	-2.351	0.777
20.00	PS	690.990	0.409	0.857	-2.444	0.567
15.00	PS	681.389	0.541	0.621	-2.388	0.355
10.00	PS	661.828	0.637	0.399	-2.013	0.159
5.00	PS	631.851	0.674	0.237	-0.905	0.027
2.00	PS	613.745	0.689	0.170	-0.120	0.000
1.54	PS	610.982	0.692	0.160	0.000	0.000
0.00		601.745	0.700	0.126	0.400	0.005
2.00	SB	589.688	0.710	0.082	0.919	0.028
5.00	SB	571.412	0.724	0.014	1.682	0.097
10.00	SB	545.381	0.698	-0.068	2.458	0.282
15.00	SB	531.594	0.589	-0.119	2.768	0.513
20.00	SB	524.336	0.431	-0.178	2.829	0.758
25.00	SB	521.107	0.265	-0.241	2.728	1.002
30.00	SB	520.023	0.088	-0.303	2.547	1.232
35.00	SB	519.970	-0.104	-0.368	2.318	1.445
40.00	SB	519.970	-0.322	-0.441	2.055	1.636
50.00	SB	519.970	-0.873	-0.627	1.455	1.943
60.00	SB	519.925	-1.718	-0.908	0.793	2.140

Statical angle of inclination is 1.54 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

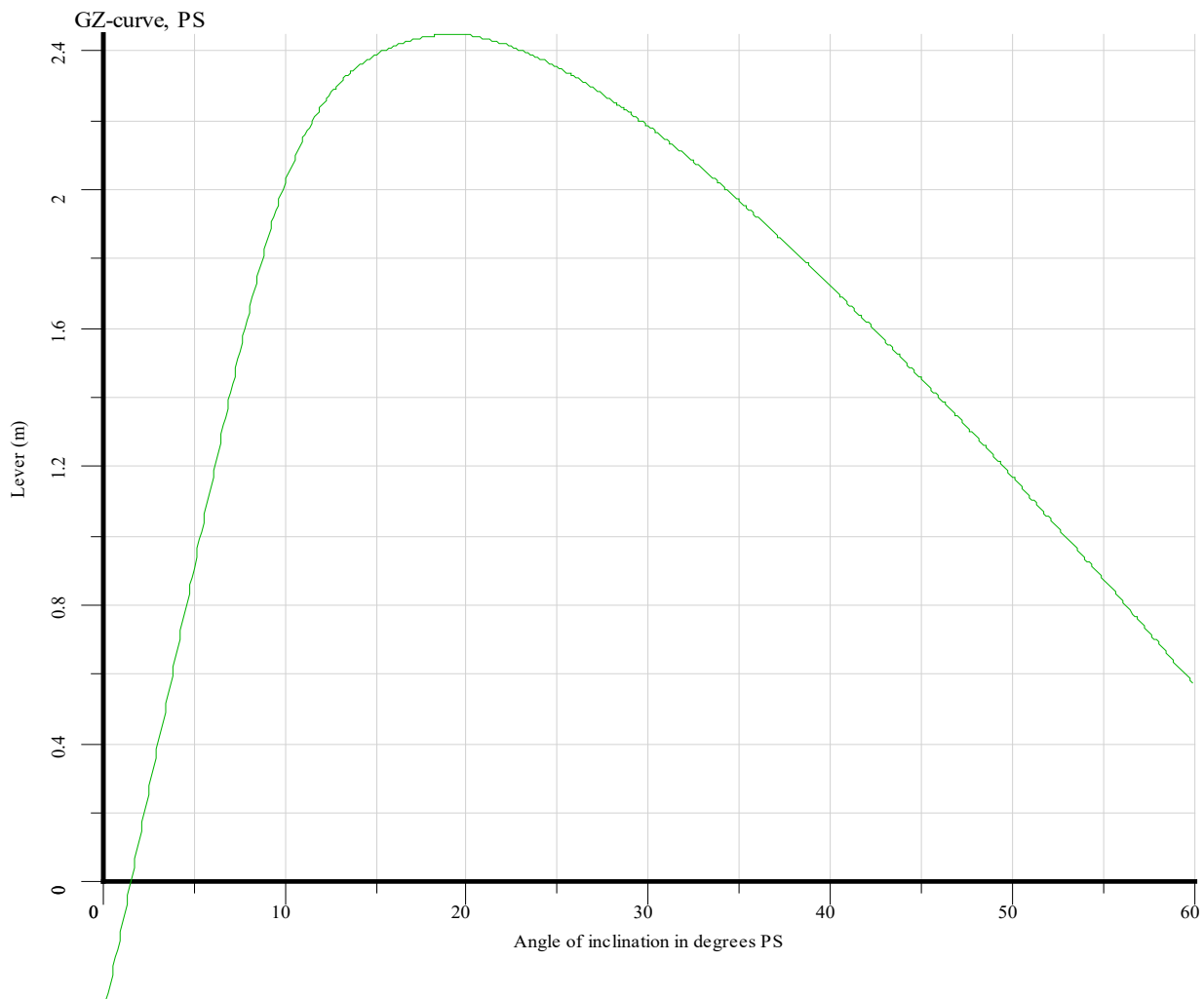
19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9915	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0239	meter
This damage case complies with the stated criteria				



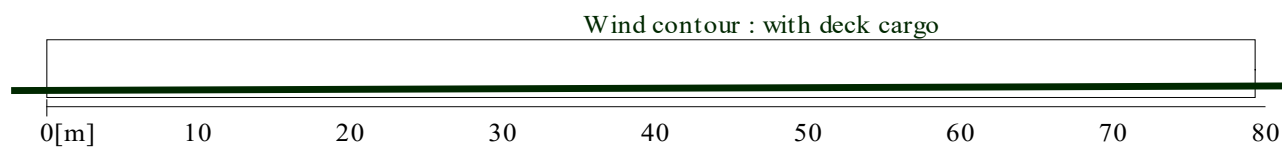
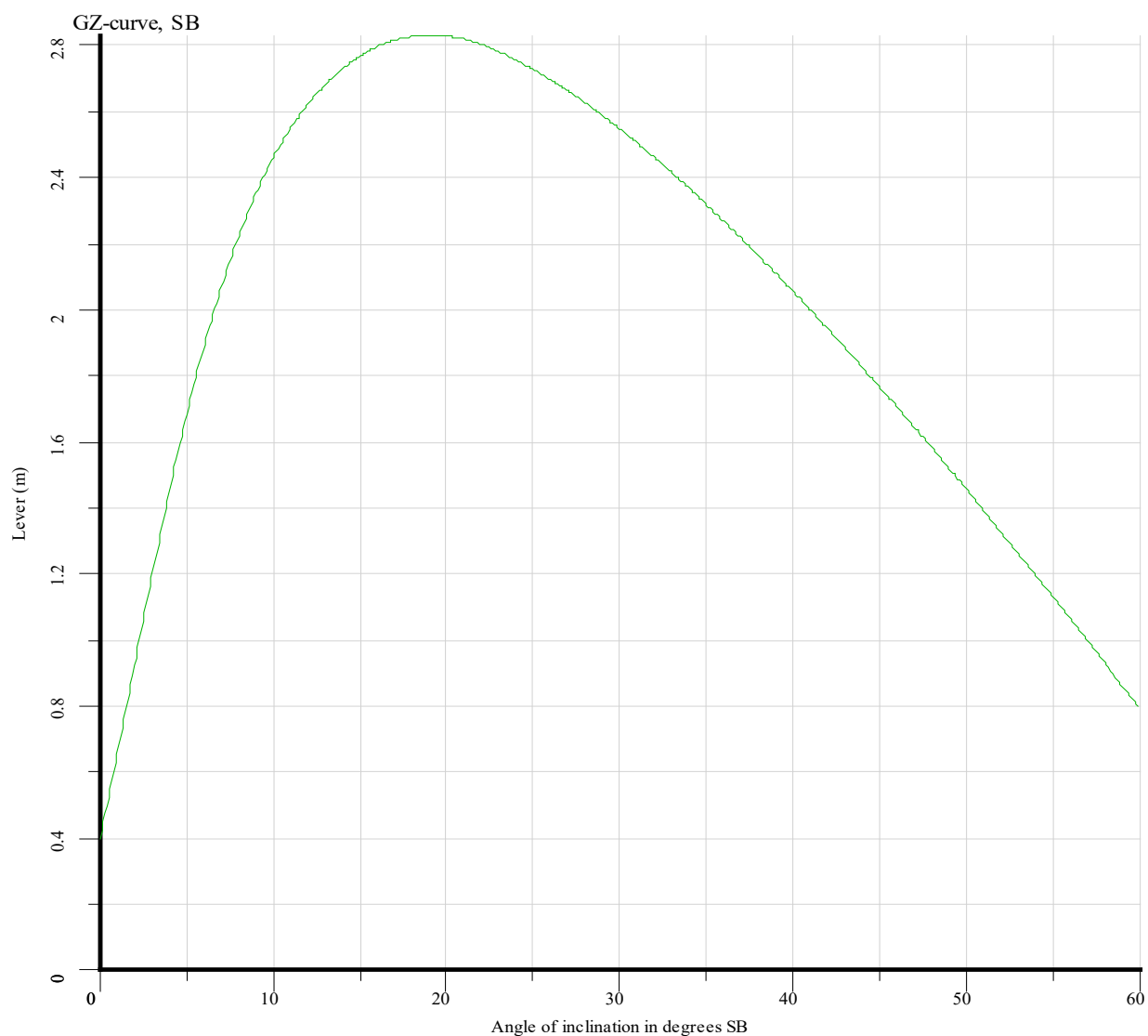
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:21

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

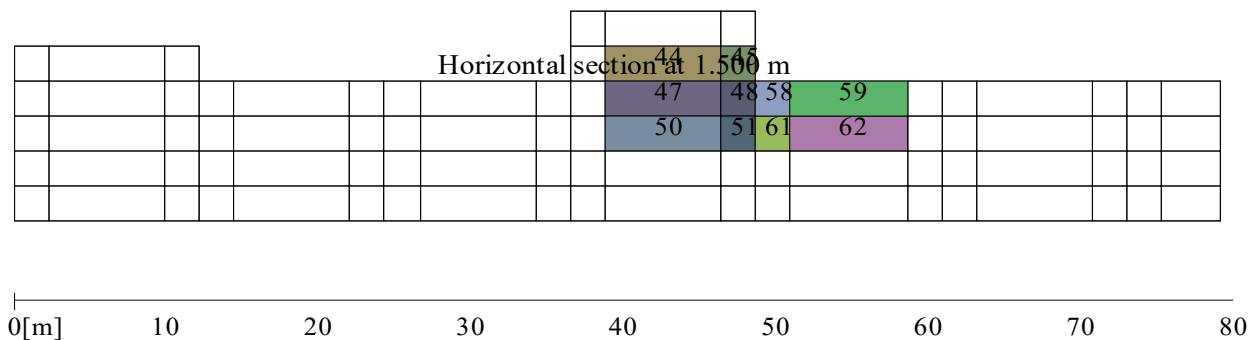
Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.122 m
Marginline	fore SB	-1.014 m
Marginline	mid fore PS	-0.918 m
Marginline	mid aft PS	-0.816 m
Marginline	mid fore SB	-0.757 m
Marginline	mid aft SB	-0.654 m
Marginline	aft PS	-0.481 m
Marginline	aft SB	-0.347 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.122 m
Marginline	fore SB	-1.014 m
Marginline	mid fore PS	-0.918 m
Marginline	mid aft PS	-0.816 m
Marginline	mid fore SB	-0.757 m
Marginline	mid aft SB	-0.654 m
Marginline	aft PS	-0.481 m
Marginline	aft SB	-0.347 m

Damaged compartments and intact compartment weights (at 0.63° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	17.739	1.0000
24 A A	0.000	1.0000	5.523	1.0000
25 A	0.000	1.0000	17.256	1.0000
25 A A	0.000	1.0000	5.378	1.0000
26 A	0.000	1.0000	16.781	1.0000
26 A A	0.000	1.0000	5.236	1.0000
28	0.000	1.0000	5.664	1.0000
28 A	0.000	1.0000	9.613	1.0000
29	0.000	1.0000	5.518	1.0000
29 A	0.000	1.0000	9.370	1.0000
30	0.000	1.0000	5.375	1.0000
30 A	0.000	1.0000	9.133	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	698.648	-1.689	11.325	-0.670	1.916
50.00	PS	698.640	-0.854	7.792	-1.299	1.744
40.00	PS	698.276	-0.310	5.476	-1.874	1.466
35.00	PS	697.652	-0.098	4.556	-2.129	1.291
30.00	PS	696.418	0.088	3.737	-2.354	1.095
25.00	PS	694.025	0.252	2.991	-2.535	0.881
20.00	PS	689.370	0.397	2.299	-2.643	0.655
15.00	PS	680.604	0.524	1.664	-2.615	0.424
10.00	PS	663.425	0.625	1.129	-2.282	0.206
5.00	PS	644.197	0.694	0.794	-1.241	0.048
2.00	PS	636.122	0.722	0.704	-0.391	0.005
0.63	PS	632.467	0.734	0.665	0.000	0.000
0.00		630.775	0.740	0.647	0.175	0.001
2.00	SB	625.548	0.758	0.588	0.742	0.017
5.00	SB	617.641	0.784	0.504	1.587	0.078
10.00	SB	600.143	0.770	0.416	2.432	0.259
15.00	SB	581.950	0.676	0.375	2.795	0.489
20.00	SB	572.685	0.543	0.397	2.856	0.738
25.00	SB	568.006	0.404	0.442	2.750	0.983
30.00	SB	565.848	0.256	0.509	2.562	1.215
35.00	SB	565.444	0.099	0.609	2.326	1.429
40.00	SB	565.446	-0.078	0.730	2.057	1.620
50.00	SB	565.456	-0.527	1.035	1.453	1.928
60.00	SB	565.441	-1.215	1.506	0.790	2.124

Statical angle of inclination is 0.63 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

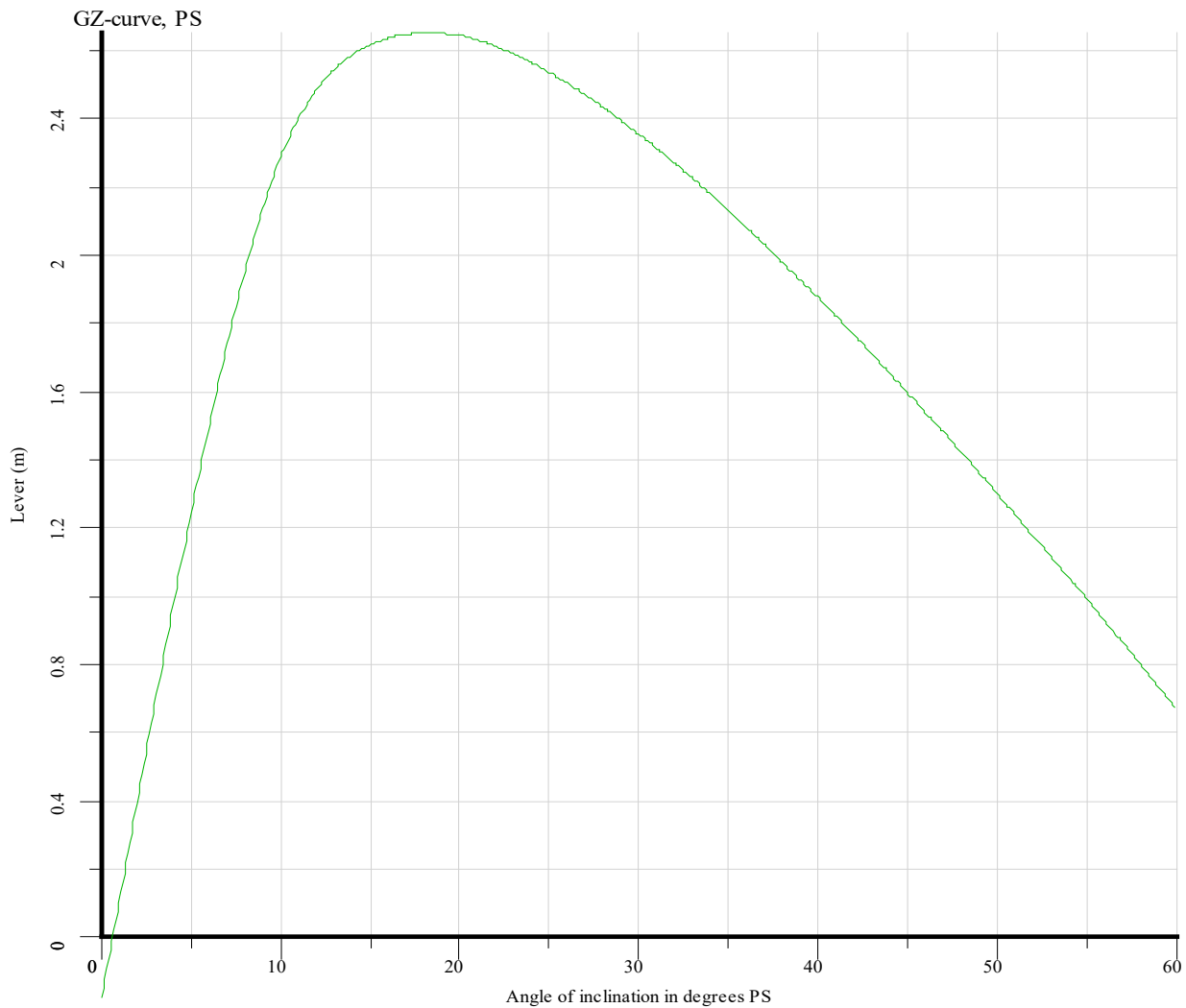
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8507	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8669	meter
This damage case complies with the stated criteria				

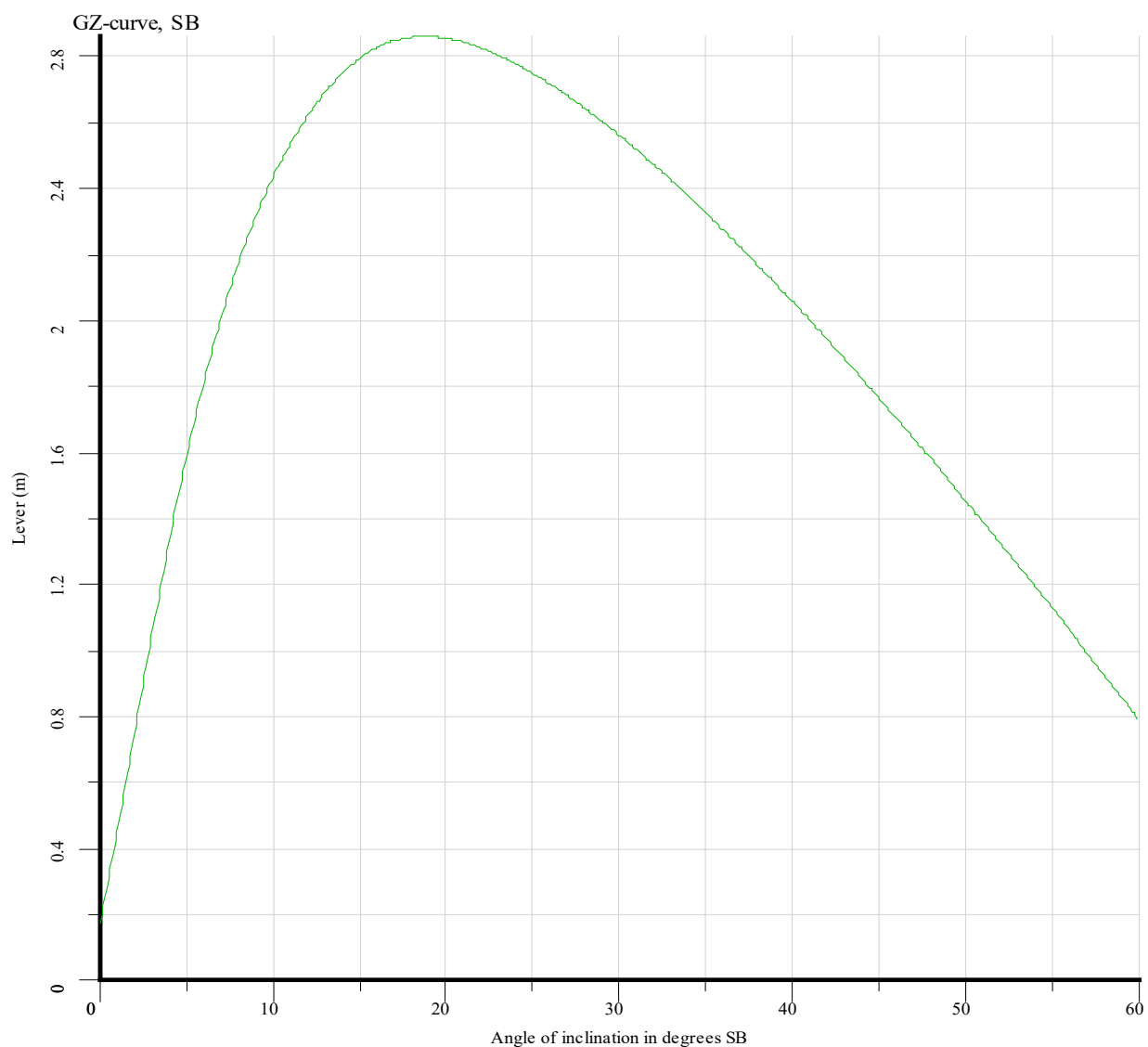


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-0.933 m
Marginline	mid fore PS	-0.859 m
Marginline	mid aft PS	-0.801 m
Marginline	fore SB	-0.788 m
Marginline	mid fore SB	-0.642 m
Marginline	aft PS	-0.590 m
Marginline	mid aft SB	-0.584 m
Marginline	aft SB	-0.409 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-0.933 m
Marginline	mid fore PS	-0.859 m
Marginline	mid aft PS	-0.801 m
Marginline	fore SB	-0.788 m
Marginline	mid fore SB	-0.642 m
Marginline	aft PS	-0.590 m
Marginline	mid aft SB	-0.584 m
Marginline	aft SB	-0.409 m

Damaged compartments and intact compartment weights (at 0.85° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	15.109	1.0000
24 A A	0.000	1.0000	4.642	1.0000
25 A	0.000	1.0000	14.465	1.0000
25 A A	0.000	1.0000	4.449	1.0000
28	0.000	1.0000	4.732	1.0000
28 A	0.000	1.0000	7.971	1.0000
29	0.000	1.0000	4.538	1.0000
29 A	0.000	1.0000	7.649	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	665.345	-2.057	9.488	-0.670	1.905
50.00	PS	664.152	-1.116	6.490	-1.298	1.733
40.00	PS	661.825	-0.505	4.513	-1.871	1.455
35.00	PS	659.926	-0.266	3.726	-2.125	1.281
30.00	PS	657.269	-0.056	3.028	-2.349	1.085
25.00	PS	653.441	0.132	2.399	-2.528	0.872
20.00	PS	647.595	0.301	1.824	-2.635	0.646
15.00	PS	637.688	0.452	1.299	-2.604	0.417
10.00	PS	618.868	0.570	0.837	-2.275	0.199
5.00	PS	598.479	0.638	0.520	-1.189	0.043
2.00	PS	587.638	0.662	0.416	-0.332	0.003
0.85	PS	583.483	0.671	0.377	0.000	0.000
0.00		580.420	0.678	0.348	0.238	0.002
2.00	SB	573.281	0.693	0.279	0.807	0.020
5.00	SB	562.306	0.715	0.173	1.643	0.085
10.00	SB	541.284	0.692	0.028	2.445	0.268
15.00	SB	528.699	0.584	-0.073	2.756	0.498
20.00	SB	522.719	0.427	-0.161	2.823	0.742
25.00	SB	520.419	0.262	-0.239	2.725	0.985
30.00	SB	519.970	0.088	-0.304	2.547	1.216
35.00	SB	519.969	-0.104	-0.368	2.318	1.429
40.00	SB	519.959	-0.322	-0.441	2.055	1.620
50.00	SB	519.967	-0.873	-0.626	1.455	1.927
60.00	SB	519.953	-1.717	-0.909	0.793	2.124

Statical angle of inclination is 0.85 degrees to portside

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

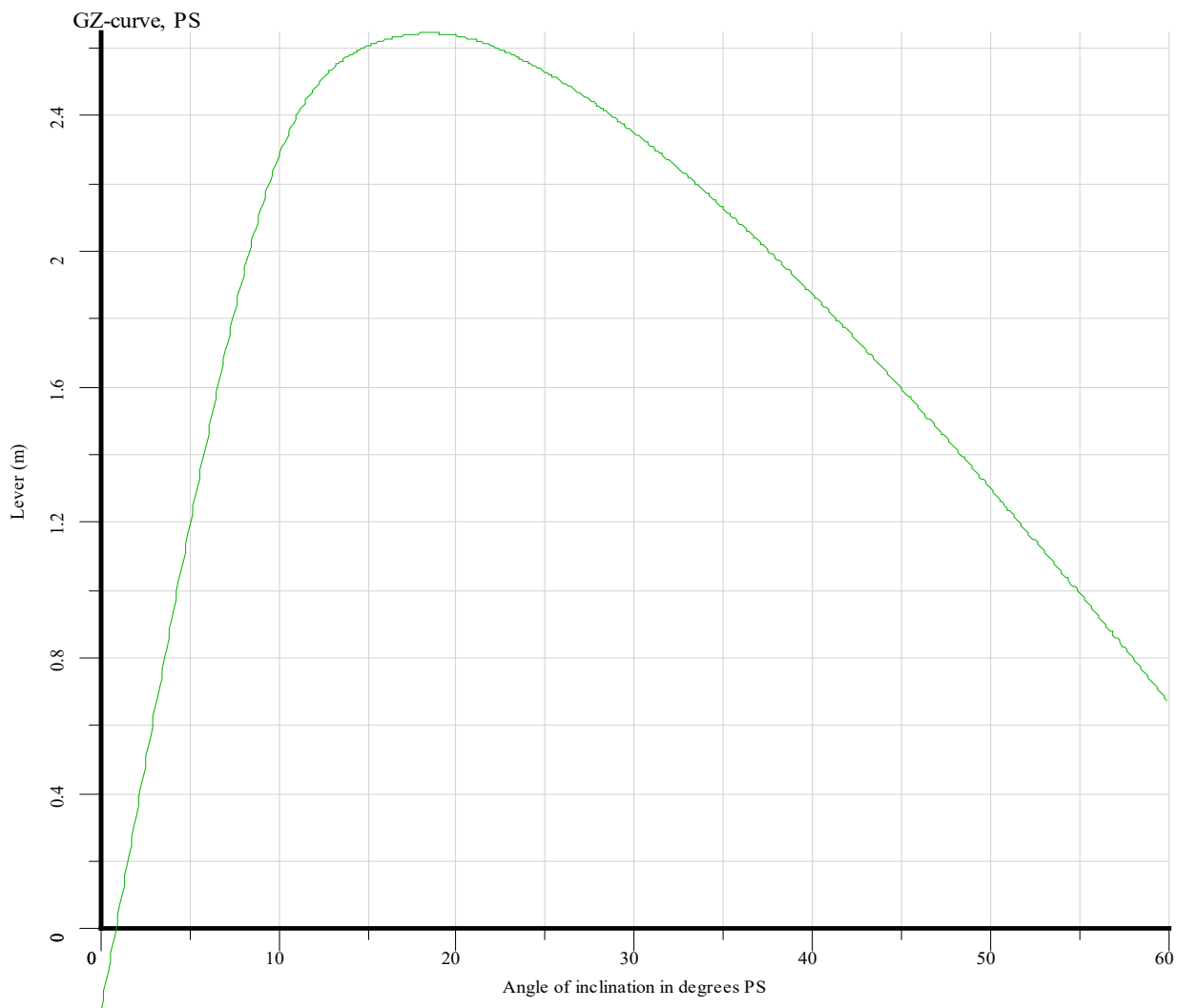
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0389	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0559	meter
This damage case complies with the stated criteria				

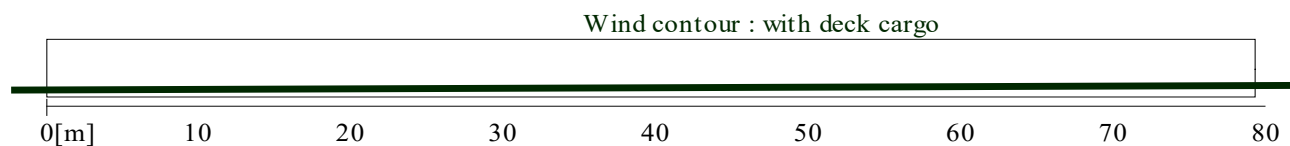
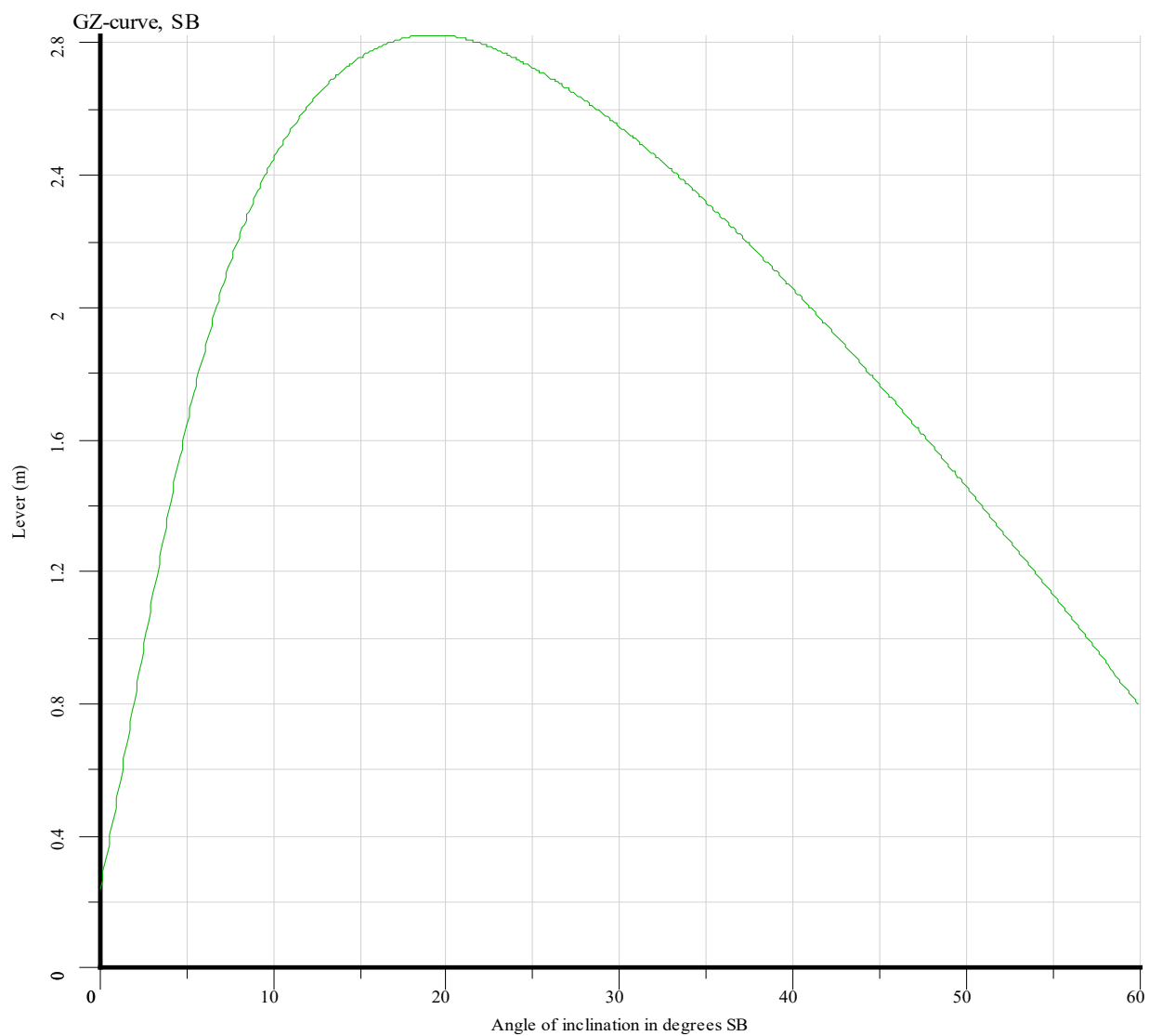


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

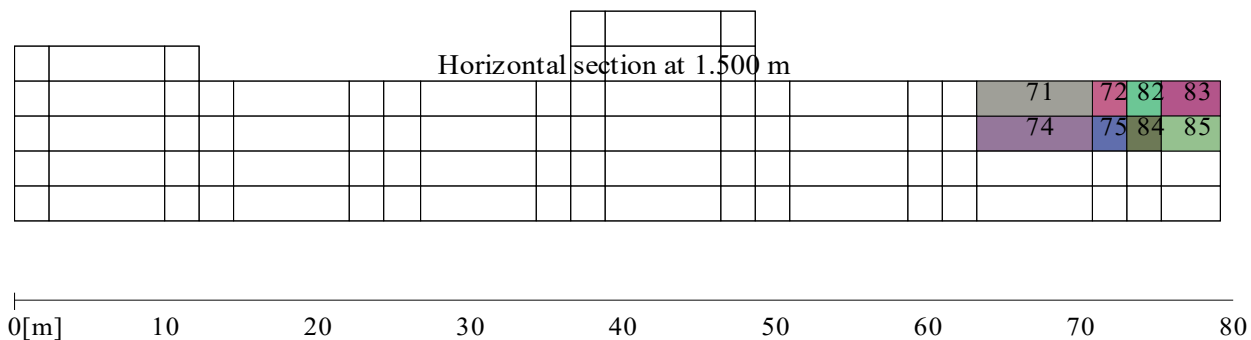
Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.209 m
Marginline	fore PS	-0.989 m
Marginline	mid fore SB	-0.950 m
Marginline	mid aft SB	-0.847 m
Marginline	mid fore PS	-0.620 m
Marginline	aft SB	-0.538 m
Marginline	mid aft PS	-0.517 m
Marginline	aft PS	-0.263 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.209 m
Marginline	fore PS	-0.989 m
Marginline	mid fore SB	-0.950 m
Marginline	mid aft SB	-0.847 m
Marginline	mid fore PS	-0.620 m
Marginline	aft SB	-0.538 m
Marginline	mid aft PS	-0.517 m
Marginline	aft PS	-0.263 m

Damaged compartments and intact compartment weights (at 1.29° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	17.082	1.0000
25 A A	0.000	1.0000	5.327	1.0000
26 A	0.000	1.0000	18.053	1.0000
26 A A	0.000	1.0000	5.618	1.0000
27 A	0.000	1.0000	19.039	1.0000
27 A A	0.000	1.0000	5.912	1.0000
29	0.000	1.0000	5.467	1.0000
29 A	0.000	1.0000	9.288	1.0000
30	0.000	1.0000	5.760	1.0000
30 A	0.000	1.0000	9.773	1.0000
31	0.000	1.0000	6.057	1.0000
31 A	0.000	1.0000	10.264	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	532.515	-3.523	2.470	-0.892	2.305
50.00	PS	534.696	-2.099	1.778	-1.583	2.089
40.00	PS	538.129	-1.166	1.340	-2.210	1.757
35.00	PS	540.540	-0.799	1.170	-2.488	1.551
30.00	PS	543.698	-0.473	1.020	-2.731	1.323
25.00	PS	548.058	-0.180	0.889	-2.925	1.076
20.00	PS	554.511	0.087	0.781	-3.048	0.815
15.00	PS	564.521	0.326	0.685	-3.036	0.548
10.00	PS	580.422	0.520	0.585	-2.744	0.292
5.00	PS	604.675	0.646	0.558	-1.702	0.093
2.00	PS	620.372	0.702	0.611	-0.887	0.025
0.00		630.775	0.740	0.647	-0.345	0.004
1.29	SB	637.585	0.764	0.669	0.000	0.000
2.00	SB	641.302	0.777	0.682	0.198	0.001
5.00	SB	657.342	0.833	0.744	1.002	0.033
10.00	SB	682.595	0.874	0.959	1.843	0.162
15.00	SB	697.360	0.868	1.355	2.213	0.342
20.00	SB	706.899	0.854	1.901	2.275	0.539
25.00	SB	713.093	0.835	2.517	2.188	0.734
30.00	SB	717.321	0.814	3.191	2.027	0.919
35.00	SB	720.361	0.790	3.935	1.822	1.087
40.00	SB	722.639	0.762	4.775	1.587	1.236
50.00	SB	725.741	0.690	6.898	1.060	1.468
60.00	SB	727.674	0.576	10.131	0.485	1.603

Statical angle of inclination is 1.29 degrees to starboard

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

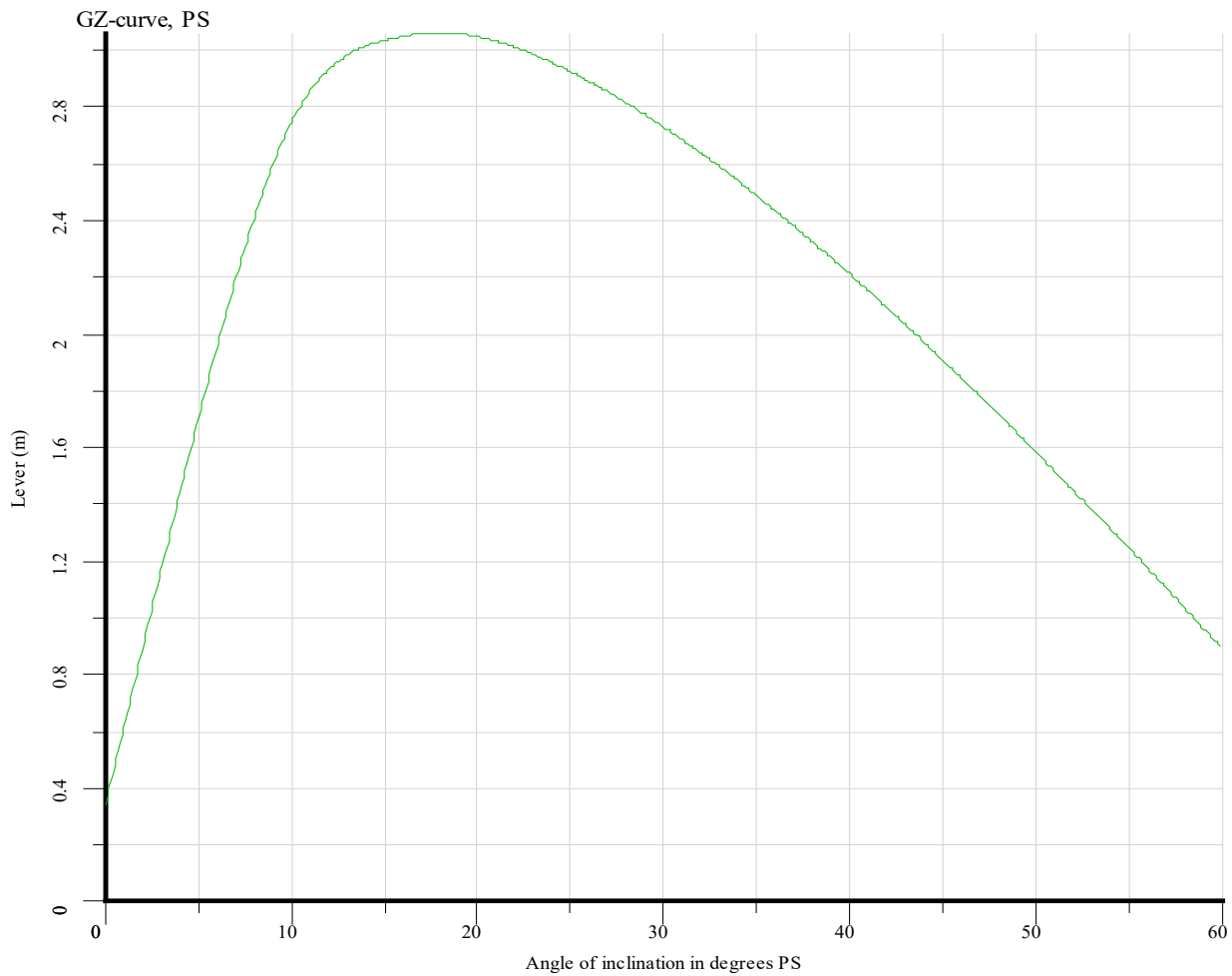
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7802	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7599	meter
This damage case complies with the stated criteria				

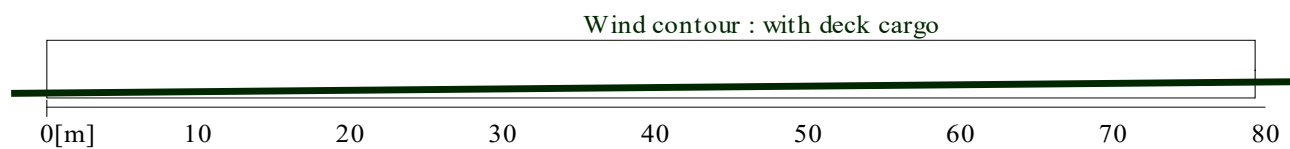
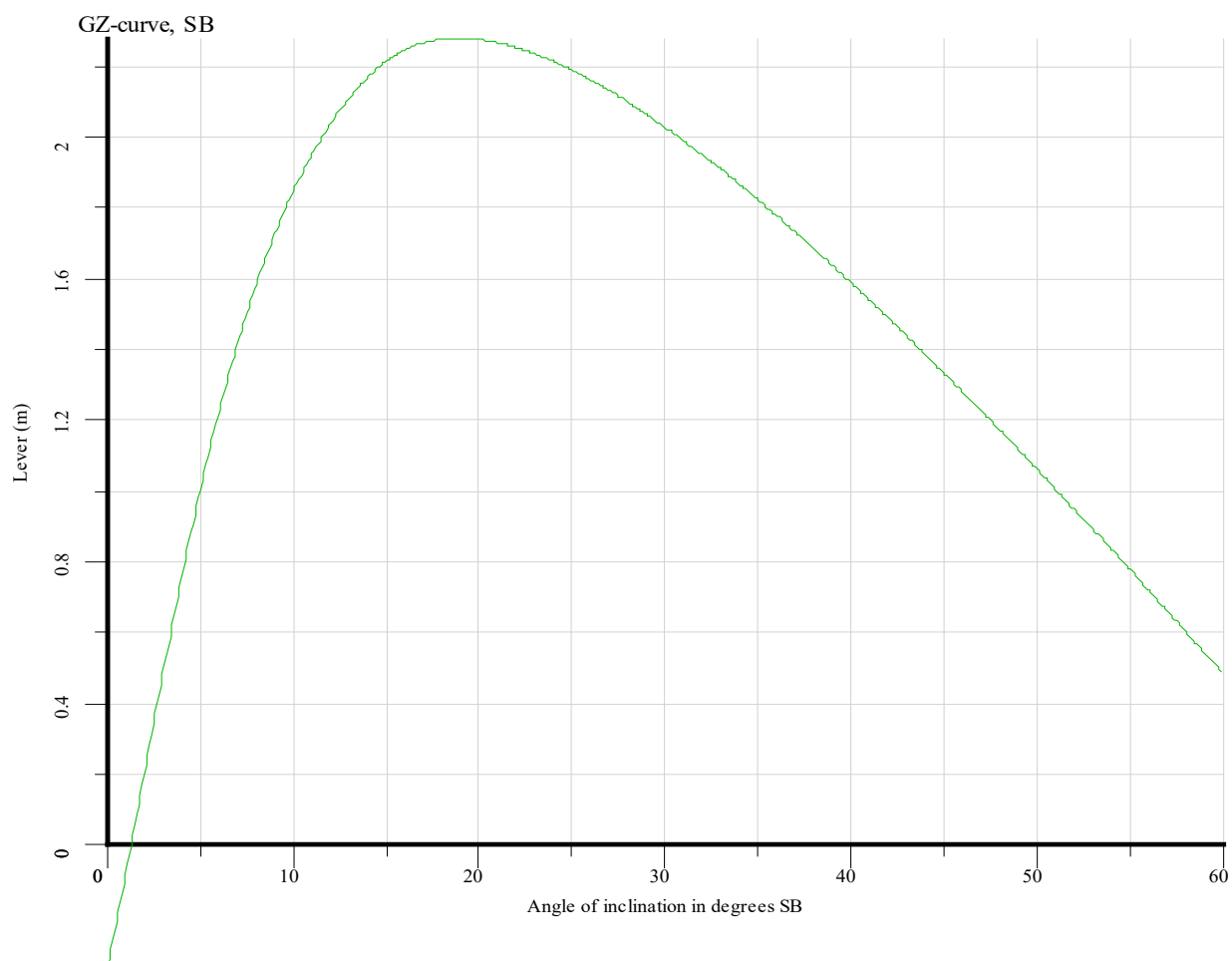


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

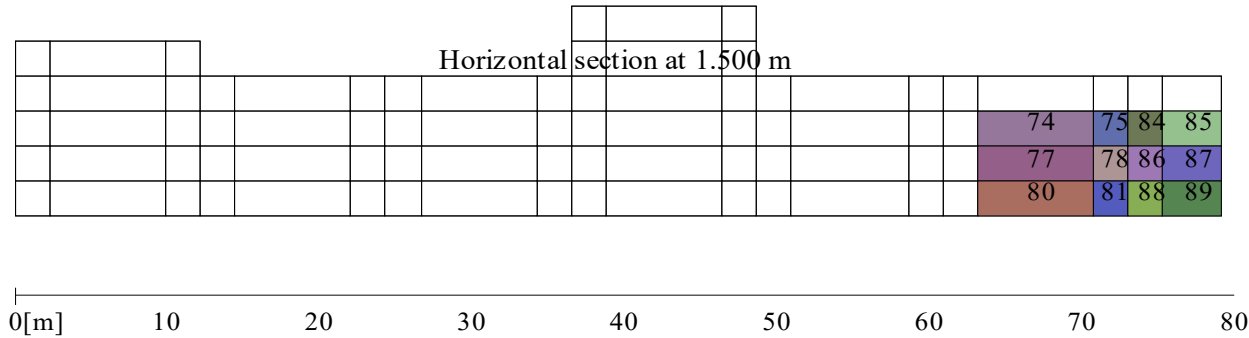


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-0.990 m
Marginline	mid fore SB	-0.848 m
Marginline	mid aft SB	-0.791 m
Marginline	fore PS	-0.779 m
Marginline	aft SB	-0.621 m
Marginline	mid fore PS	-0.530 m
Marginline	mid aft PS	-0.474 m
Marginline	aft PS	-0.356 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-0.990 m
Marginline	mid fore SB	-0.848 m
Marginline	mid aft SB	-0.791 m
Marginline	fore PS	-0.779 m
Marginline	aft SB	-0.621 m
Marginline	mid fore PS	-0.530 m
Marginline	mid aft PS	-0.474 m
Marginline	aft PS	-0.356 m

Damaged compartments and intact compartment weights (at 1.24° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	15.078	1.0000
26 A A	0.000	1.0000	4.629	1.0000
27 A	0.000	1.0000	16.019	1.0000
27 A A	0.000	1.0000	4.911	1.0000
30	0.000	1.0000	4.718	1.0000
30 A	0.000	1.0000	7.944	1.0000
31	0.000	1.0000	5.002	1.0000
31 A	0.000	1.0000	8.415	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 2
 Stage of flooding 100%
 Intact displacement 519.970 ton
 Intact VCG 2.277 m
 Intact LCG 38.576 m
 Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	519.970	-3.662	1.791	-0.883	2.280
50.00	PS	519.970	-2.211	1.232	-1.571	2.065
40.00	PS	519.985	-1.263	0.867	-2.193	1.736
35.00	PS	519.992	-0.890	0.723	-2.466	1.532
30.00	PS	519.970	-0.561	0.597	-2.703	1.306
25.00	PS	519.969	-0.263	0.484	-2.888	1.062
20.00	PS	520.557	0.007	0.396	-2.997	0.804
15.00	PS	523.983	0.248	0.319	-2.992	0.542
10.00	PS	533.183	0.453	0.251	-2.718	0.289
5.00	PS	555.387	0.585	0.266	-1.688	0.092
2.00	PS	570.451	0.641	0.315	-0.872	0.024
0.00		580.422	0.678	0.348	-0.330	0.004
1.24	SB	586.669	0.701	0.368	0.000	0.000
2.00	SB	590.469	0.714	0.380	0.213	0.001
5.00	SB	605.524	0.769	0.431	1.024	0.034
10.00	SB	629.540	0.807	0.605	1.845	0.164
15.00	SB	647.185	0.785	0.921	2.238	0.345
20.00	SB	655.870	0.736	1.323	2.308	0.545
25.00	SB	660.702	0.679	1.762	2.222	0.743
30.00	SB	663.506	0.616	2.230	2.060	0.931
35.00	SB	665.128	0.543	2.738	1.854	1.102
40.00	SB	665.989	0.459	3.301	1.618	1.253
50.00	SB	666.604	0.241	4.708	1.088	1.490
60.00	SB	666.685	-0.098	6.846	0.507	1.630

Statical angle of inclination is 1.24 degrees to starboard

Wind contour with deck cargo

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

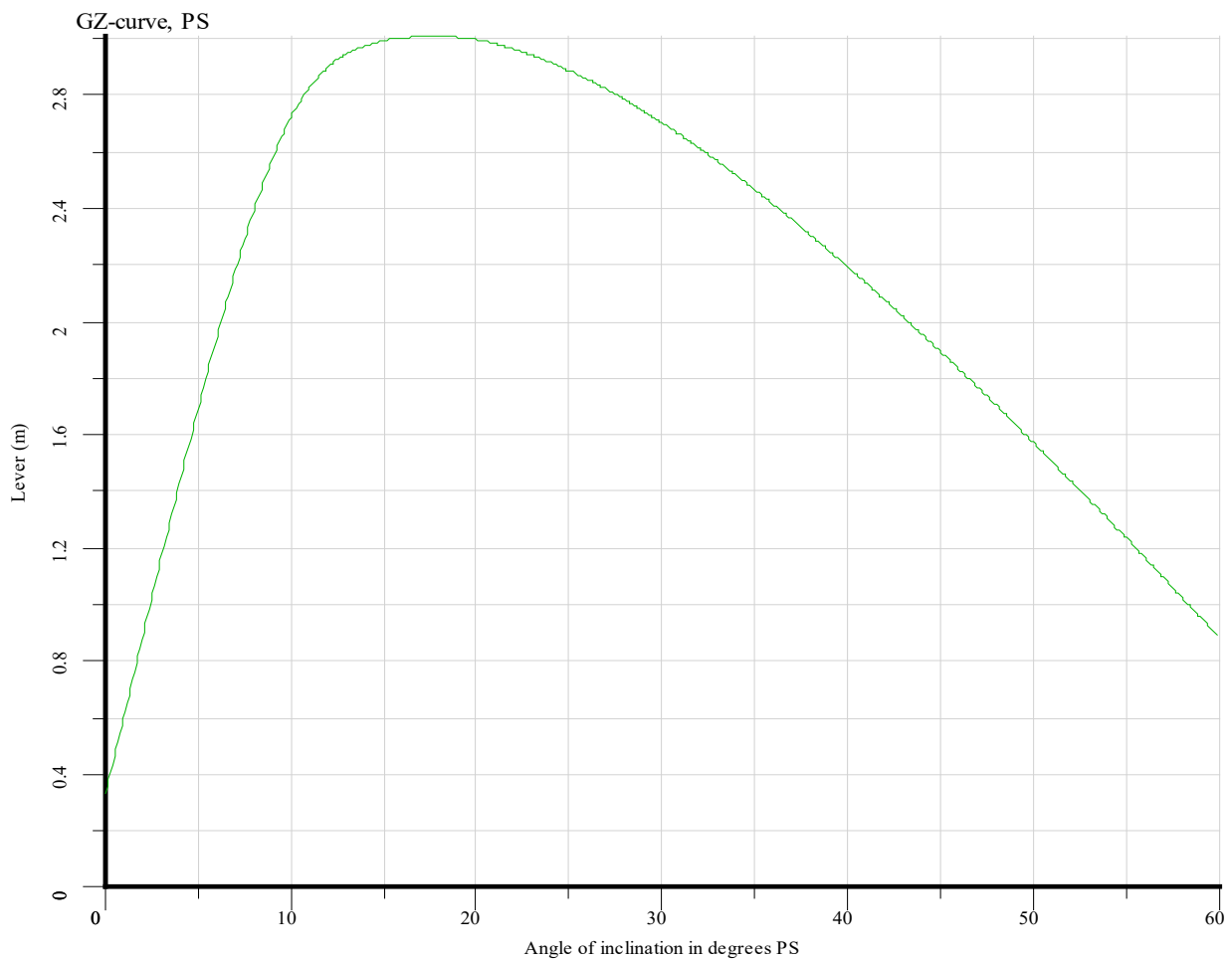
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9990	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9785	meter
This damage case complies with the stated criteria				

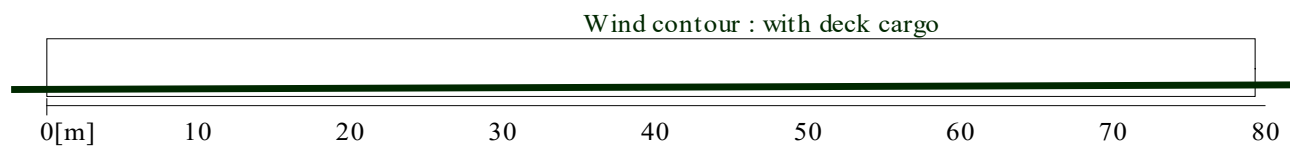
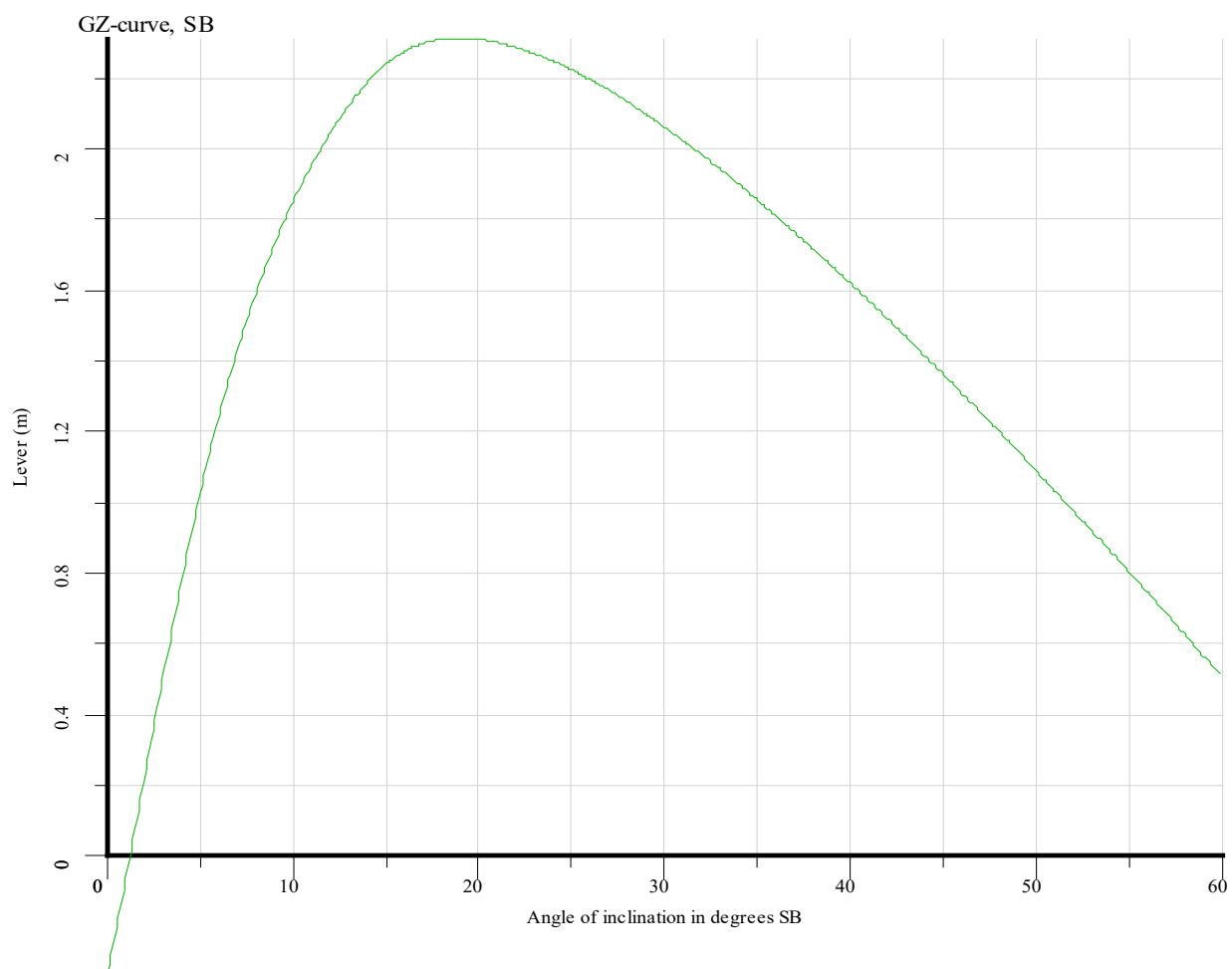


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

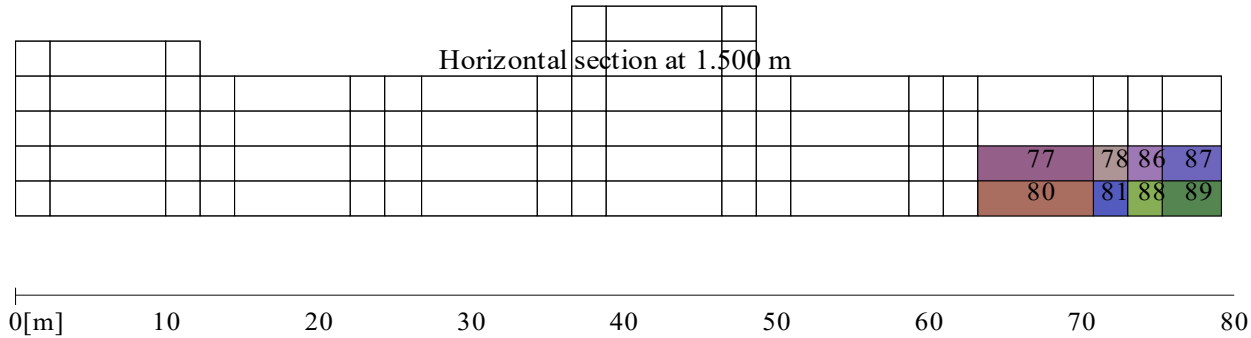


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Damage case FORE SB 2
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FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.609 m
Marginline	mid aft PS	-1.522 m
Marginline	mid fore PS	-1.425 m
Marginline	fore PS	-0.781 m
Marginline	aft SB	-0.602 m
Marginline	mid aft SB	-0.313 m
Marginline	mid fore SB	-0.217 m
Marginline	fore SB	0.024 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.609 m
Marginline	mid aft PS	-1.522 m
Marginline	mid fore PS	-1.425 m
Marginline	fore PS	-0.781 m
Marginline	aft SB	-0.602 m
Marginline	mid aft SB	-0.313 m
Marginline	mid fore SB	-0.217 m
Marginline	fore SB	0.024 m

Damaged compartments and intact compartment weights (at 4.74° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	25.863	1.0000
1 A A	0.000	1.0000	7.521	1.0000
2 A	0.000	1.0000	22.300	1.0000
2 A A	0.000	1.0000	6.460	1.0000
3 A	0.000	1.0000	18.731	1.0000
3 A A	0.000	1.0000	5.392	1.0000
6	0.000	1.0000	6.409	1.0000
6 A	0.000	1.0000	20.597	1.0000
7	0.000	1.0000	5.334	1.0000
7 A	0.000	1.0000	17.024	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	745.816	-1.169	-8.954	-0.058	0.921
50.00	PS	744.638	-0.504	-6.131	-0.511	0.871
40.00	PS	742.315	-0.075	-4.271	-0.933	0.744
35.00	PS	740.272	0.092	-3.530	-1.123	0.655
30.00	PS	737.283	0.238	-2.873	-1.291	0.549
25.00	PS	732.866	0.366	-2.283	-1.424	0.430
20.00	PS	726.032	0.480	-1.751	-1.497	0.302
15.00	PS	714.479	0.577	-1.281	-1.452	0.173
10.00	PS	691.775	0.649	-0.873	-1.118	0.056
5.00	PS	657.411	0.693	-0.636	-0.068	0.000
4.74	PS	655.660	0.694	-0.630	0.000	0.000
2.00	PS	637.414	0.708	-0.573	0.723	0.017
0.00		624.134	0.718	-0.531	1.246	0.052
2.00	SB	610.856	0.728	-0.489	1.768	0.104
5.00	SB	590.698	0.741	-0.426	2.531	0.217
10.00	SB	556.441	0.711	-0.334	3.287	0.476
15.00	SB	536.754	0.597	-0.272	3.563	0.777
20.00	SB	527.194	0.438	-0.262	3.592	1.091
25.00	SB	522.671	0.269	-0.279	3.460	1.399
30.00	SB	520.615	0.090	-0.314	3.243	1.692
35.00	SB	519.982	-0.104	-0.368	2.975	1.964
40.00	SB	519.970	-0.322	-0.441	2.669	2.210
50.00	SB	519.969	-0.873	-0.626	1.970	2.617
60.00	SB	519.963	-1.717	-0.909	1.194	2.894

Statical angle of inclination is 4.74 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

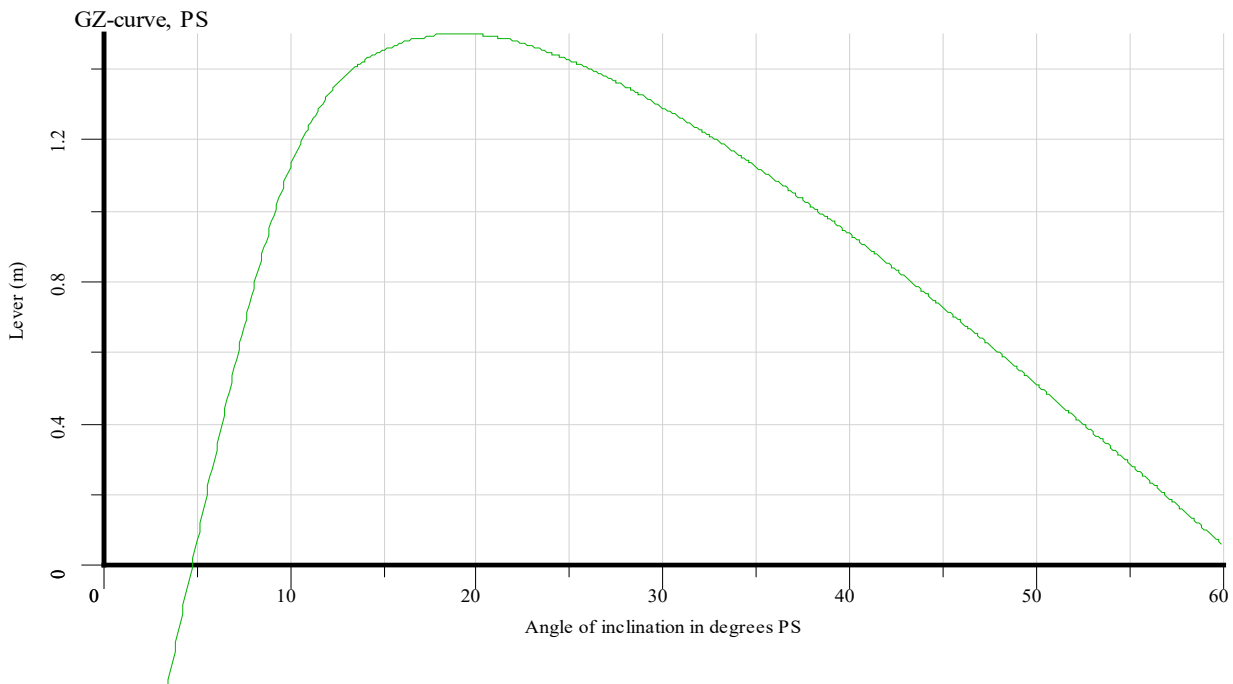
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3508	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3775	meter
This damage case complies with the stated criteria				

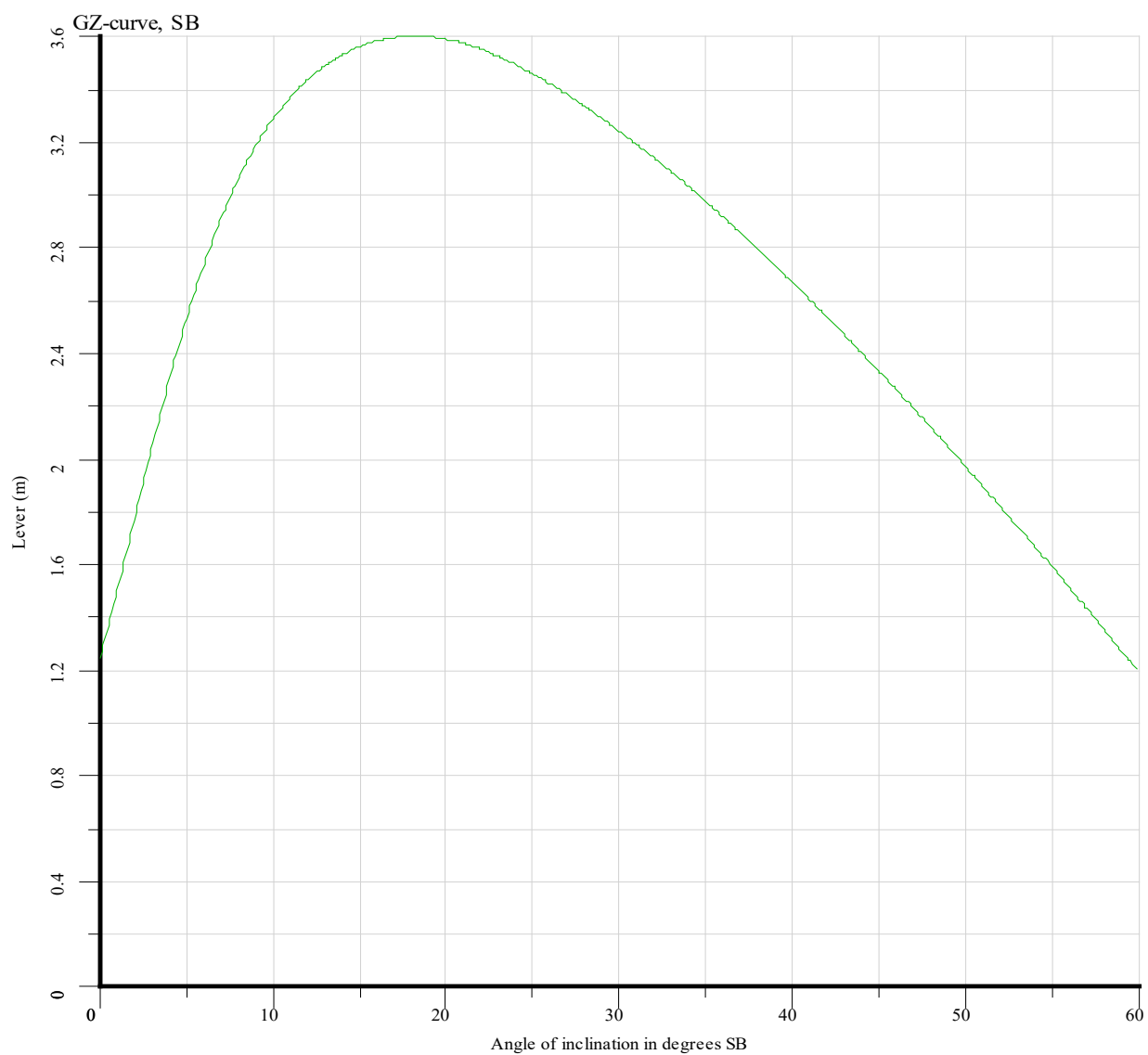


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

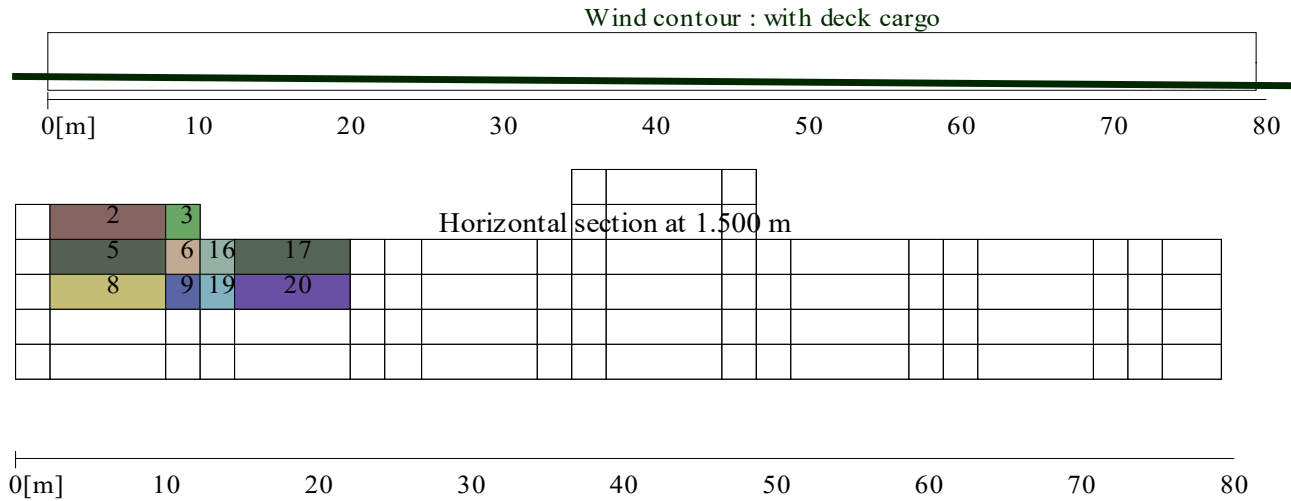


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.145 m
Marginline	mid aft PS	-0.946 m
Marginline	aft SB	-0.880 m
Marginline	mid fore PS	-0.862 m
Marginline	mid aft SB	-0.629 m
Marginline	fore PS	-0.546 m
Marginline	mid fore SB	-0.545 m
Marginline	fore SB	-0.335 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.145 m
Marginline	mid aft PS	-0.946 m
Marginline	aft SB	-0.880 m
Marginline	mid fore PS	-0.862 m
Marginline	mid aft SB	-0.629 m
Marginline	fore PS	-0.546 m
Marginline	mid fore SB	-0.545 m
Marginline	fore SB	-0.335 m

Damaged compartments and intact compartment weights (at 1.24^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	17.128	1.0000
3 A A	0.000	1.0000	4.941	1.0000
4 A	0.000	1.0000	16.191	1.0000
4 A A	0.000	1.0000	4.661	1.0000
5 A	0.000	1.0000	15.262	1.0000
5 A A	6.300	1.0000	4.383	1.0000
7	0.000	1.0000	4.892	1.0000
7 A	0.000	1.0000	15.650	1.0000
8	0.000	1.0000	4.611	1.0000
8 A	0.000	1.0000	14.714	1.0000
9	0.000	1.0000	4.331	1.0000
9 A	0.000	1.0000	13.785	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	513.653	-3.731	2.094	-0.442	1.559
50.00	PS	513.940	-2.256	1.432	-1.004	1.432
40.00	PS	515.739	-1.286	0.970	-1.521	1.211
35.00	PS	517.594	-0.901	0.776	-1.752	1.068
30.00	PS	520.420	-0.559	0.597	-1.954	0.906
25.00	PS	524.641	-0.249	0.432	-2.115	0.728
20.00	PS	531.255	0.034	0.280	-2.210	0.539
15.00	PS	541.958	0.282	0.110	-2.204	0.346
10.00	PS	562.766	0.493	-0.105	-1.941	0.161
5.00	PS	602.158	0.632	-0.339	-0.937	0.031
2.00	PS	627.760	0.697	-0.502	-0.189	0.001
1.24	PS	634.247	0.714	-0.544	0.000	0.000
0.00		644.932	0.741	-0.612	0.307	0.003
2.00	SB	661.778	0.784	-0.720	0.803	0.023
5.00	SB	687.351	0.849	-0.884	1.546	0.085
10.00	SB	725.331	0.916	-1.241	2.371	0.260
15.00	SB	746.583	0.947	-1.823	2.710	0.484
20.00	SB	758.343	0.970	-2.527	2.742	0.724
25.00	SB	765.601	0.990	-3.305	2.631	0.959
30.00	SB	770.381	1.009	-4.157	2.446	1.181
35.00	SB	773.684	1.028	-5.099	2.217	1.384
40.00	SB	776.018	1.048	-6.161	1.956	1.567
50.00	SB	778.849	1.093	-8.833	1.369	1.858
60.00	SB	780.347	1.157	-12.899	0.726	2.041

Statical angle of inclination is 1.24 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

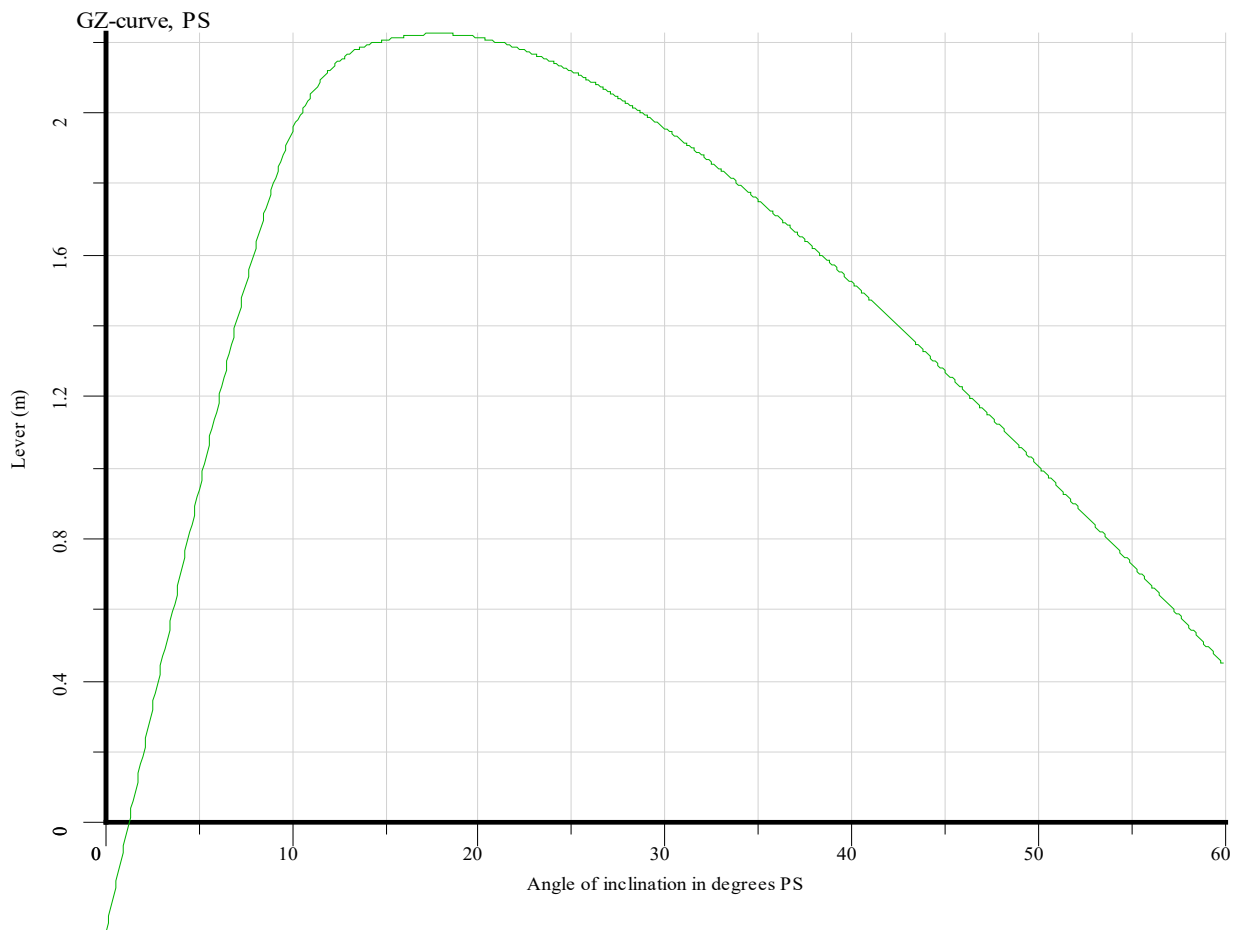
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8270	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8427	meter
This damage case complies with the stated criteria				

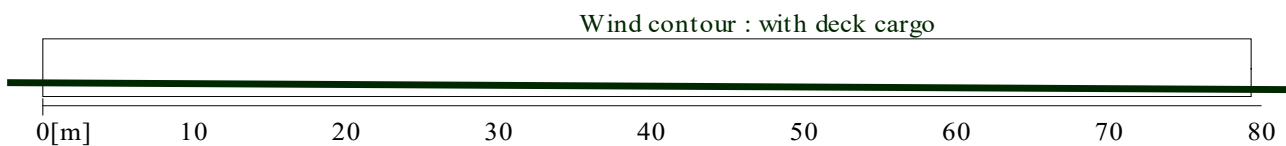
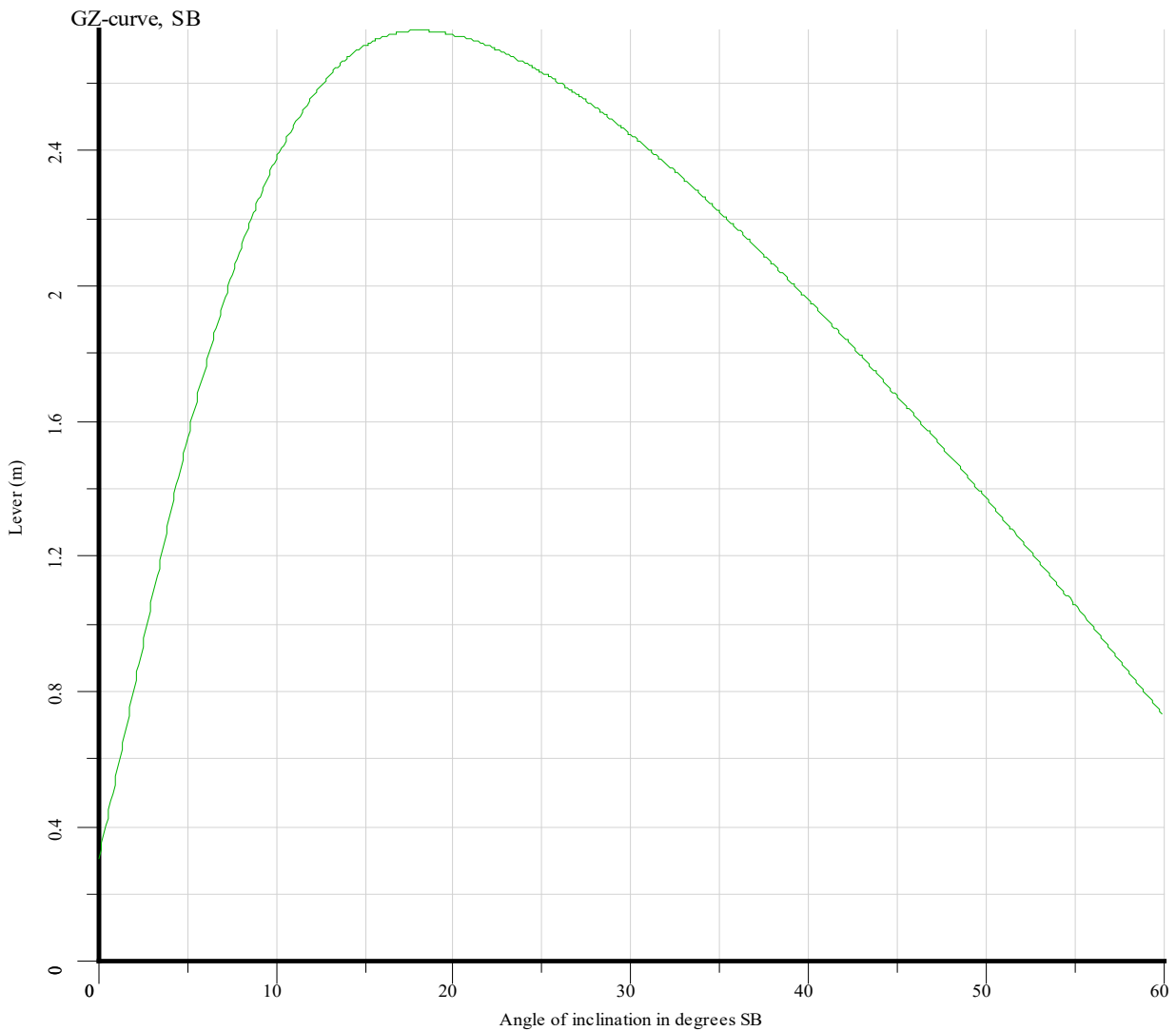


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

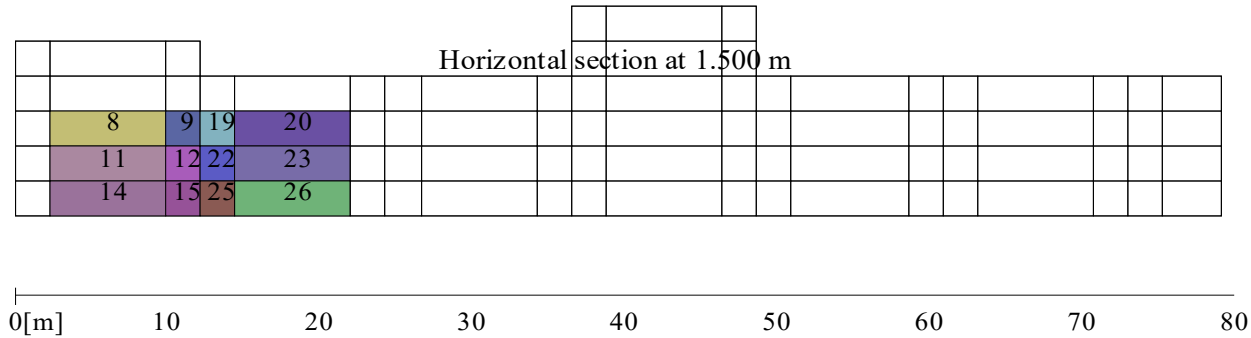


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.967 m
Marginline	mid aft PS	-0.917 m
Marginline	mid fore PS	-0.878 m
Marginline	fore PS	-0.649 m
Marginline	aft SB	-0.639 m
Marginline	mid aft SB	-0.522 m
Marginline	mid fore SB	-0.484 m
Marginline	fore SB	-0.386 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.967 m
Marginline	mid aft PS	-0.917 m
Marginline	mid fore PS	-0.878 m
Marginline	fore PS	-0.649 m
Marginline	aft SB	-0.639 m
Marginline	mid aft SB	-0.522 m
Marginline	mid fore SB	-0.484 m
Marginline	fore SB	-0.386 m

Damaged compartments and intact compartment weights (at 1.54° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	12.673	1.0000
4 A A	0.000	1.0000	3.706	1.0000
5 A	0.000	1.0000	11.534	1.0000
5 A A	6.300	1.0000	3.365	1.0000
8	0.000	1.0000	3.693	1.0000
8 A	0.000	1.0000	11.989	1.0000
9	0.000	1.0000	3.350	1.0000
9 A	0.000	1.0000	10.849	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	513.670	-3.731	2.092	-0.442	1.527
50.00	PS	513.664	-2.259	1.438	-1.003	1.401
40.00	PS	513.670	-1.297	1.014	-1.516	1.180
35.00	PS	513.667	-0.919	0.846	-1.742	1.038
30.00	PS	513.682	-0.584	0.697	-1.938	0.877
25.00	PS	513.672	-0.282	0.566	-2.088	0.701
20.00	PS	513.685	-0.010	0.456	-2.166	0.515
15.00	PS	514.151	0.229	0.330	-2.127	0.326
10.00	PS	521.602	0.435	0.144	-1.846	0.149
5.00	PS	549.442	0.574	-0.084	-0.869	0.026
2.00	PS	571.469	0.635	-0.230	-0.115	0.000
1.54	PS	574.817	0.645	-0.252	0.000	0.000
0.00		586.172	0.676	-0.327	0.384	0.005
2.00	SB	600.728	0.717	-0.424	0.884	0.027
5.00	SB	622.687	0.777	-0.570	1.624	0.093
10.00	SB	657.282	0.834	-0.872	2.444	0.275
15.00	SB	678.169	0.834	-1.305	2.803	0.507
20.00	SB	687.334	0.808	-1.816	2.843	0.755
25.00	SB	691.786	0.772	-2.370	2.736	0.999
30.00	SB	693.846	0.727	-2.961	2.552	1.230
35.00	SB	694.760	0.676	-3.605	2.321	1.443
40.00	SB	695.175	0.615	-4.328	2.056	1.634
50.00	SB	695.403	0.460	-6.152	1.456	1.942
60.00	SB	695.409	0.219	-8.941	0.794	2.139

Statical angle of inclination is 1.54 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

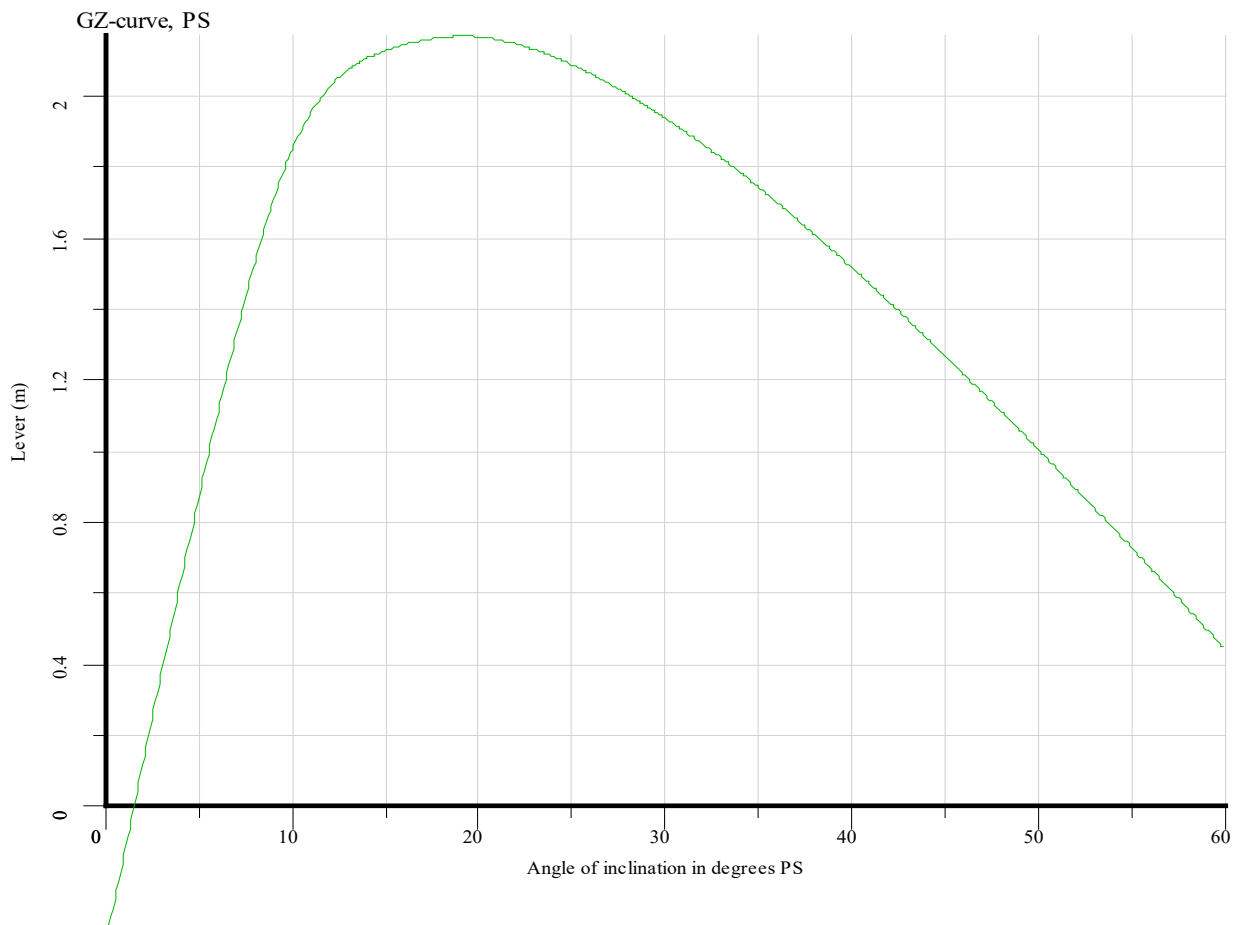
19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0036	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0204	meter
This damage case complies with the stated criteria				

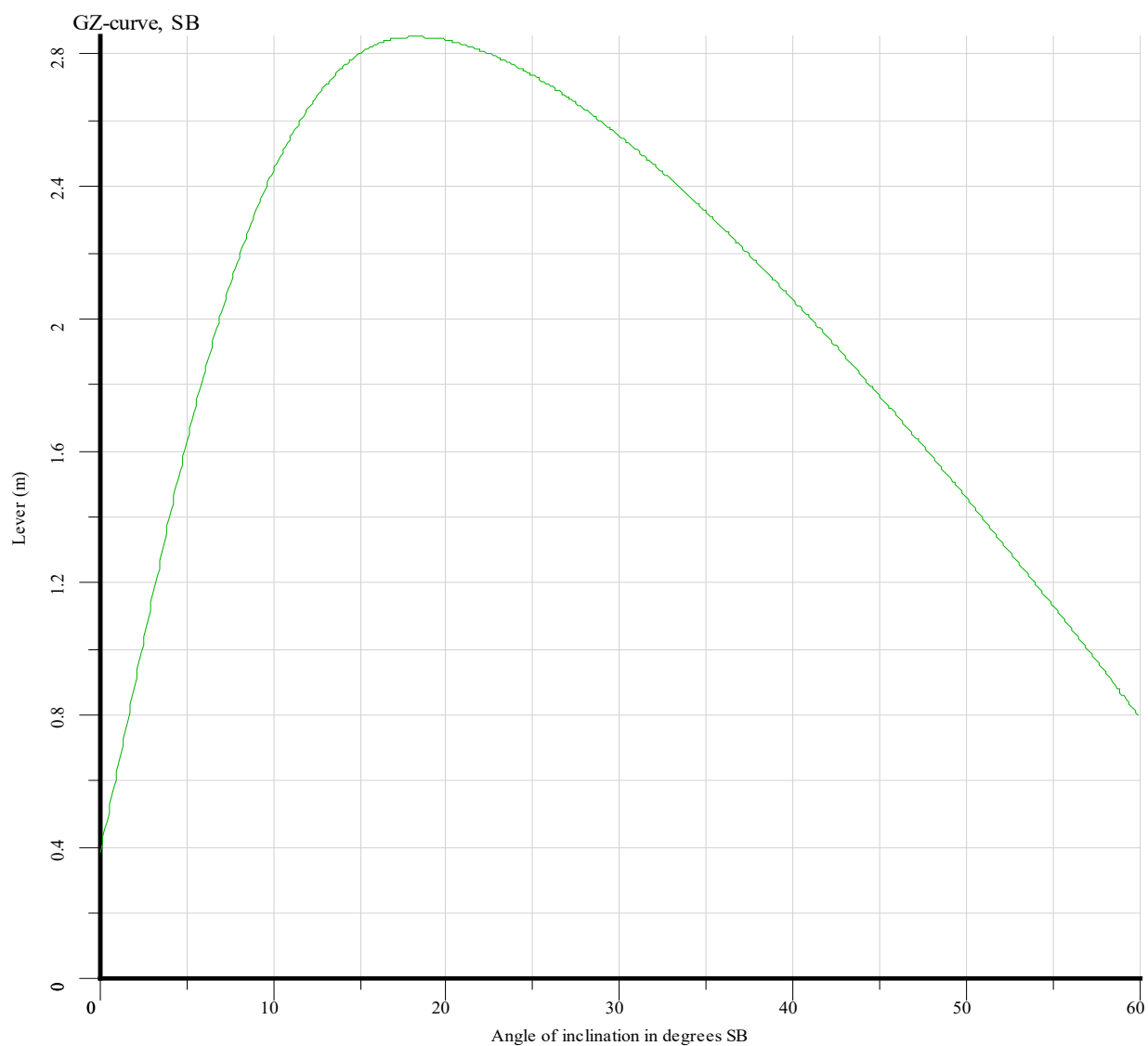


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

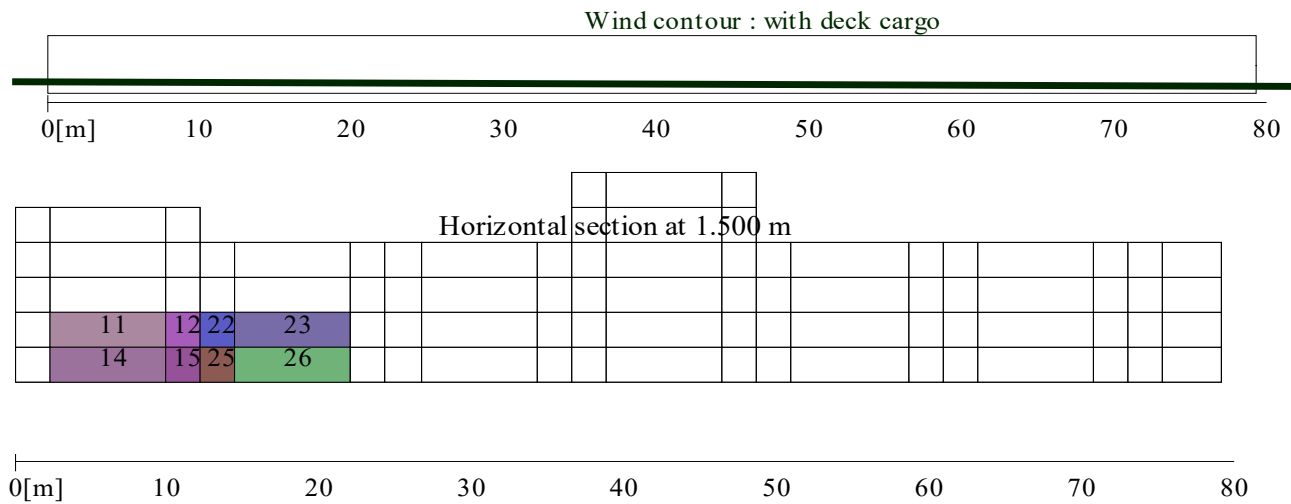


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.758 m
Marginline	mid aft PS	-1.743 m
Marginline	aft PS	-1.427 m
Marginline	fore PS	-1.249 m
Marginline	fore SB	-0.158 m
Marginline	mid fore SB	-0.121 m
Marginline	mid aft SB	-0.107 m
Marginline	aft SB	-0.063 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.758 m
Marginline	mid aft PS	-1.743 m
Marginline	aft PS	-1.427 m
Marginline	fore PS	-1.249 m
Marginline	fore SB	-0.158 m
Marginline	mid fore SB	-0.121 m
Marginline	mid aft SB	-0.107 m
Marginline	aft SB	-0.063 m

Damaged compartments and intact compartment weights (at 6.42° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	18.732	1.0000
10 A A	0.000	1.0000	5.631	1.0000
14	0.000	1.0000	8.496	1.0000
14 A	0.000	1.0000	28.295	1.0000
15	0.000	1.0000	7.174	1.0000
15 A	0.000	1.0000	23.947	1.0000
16	0.000	1.0000	5.686	1.0000
16 A	0.000	1.0000	18.990	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	701.472	-1.658	1.619	0.105	0.646
50.00	PS	701.489	-0.832	1.112	-0.301	0.627
40.00	PS	700.665	-0.297	0.787	-0.681	0.540
35.00	PS	699.417	-0.090	0.660	-0.853	0.473
30.00	PS	697.348	0.092	0.548	-1.003	0.392
25.00	PS	694.055	0.255	0.448	-1.117	0.299
20.00	PS	688.697	0.404	0.356	-1.164	0.199
15.00	PS	679.586	0.540	0.275	-1.062	0.101
10.00	PS	663.080	0.638	0.167	-0.660	0.022
6.42	PS	635.602	0.656	0.098	0.000	0.000
5.00	PS	624.664	0.663	0.071	0.308	0.004
2.00	PS	598.937	0.670	0.025	0.947	0.037
0.00		581.903	0.675	-0.006	1.370	0.077
2.00	SB	564.758	0.680	-0.036	1.791	0.132
5.00	SB	540.489	0.686	-0.082	2.414	0.243
10.00	SB	523.052	0.665	-0.123	3.175	0.490
15.00	SB	519.976	0.568	-0.149	3.492	0.783
20.00	SB	519.970	0.421	-0.191	3.564	1.093
25.00	SB	519.970	0.261	-0.245	3.450	1.400
30.00	SB	519.964	0.088	-0.303	3.241	1.692
35.00	SB	519.973	-0.104	-0.368	2.975	1.964
40.00	SB	519.956	-0.322	-0.441	2.669	2.210
50.00	SB	519.964	-0.873	-0.626	1.970	2.617
60.00	SB	519.970	-1.717	-0.912	1.194	2.893

Statical angle of inclination is 6.42 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2 L PS 3

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.1908

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

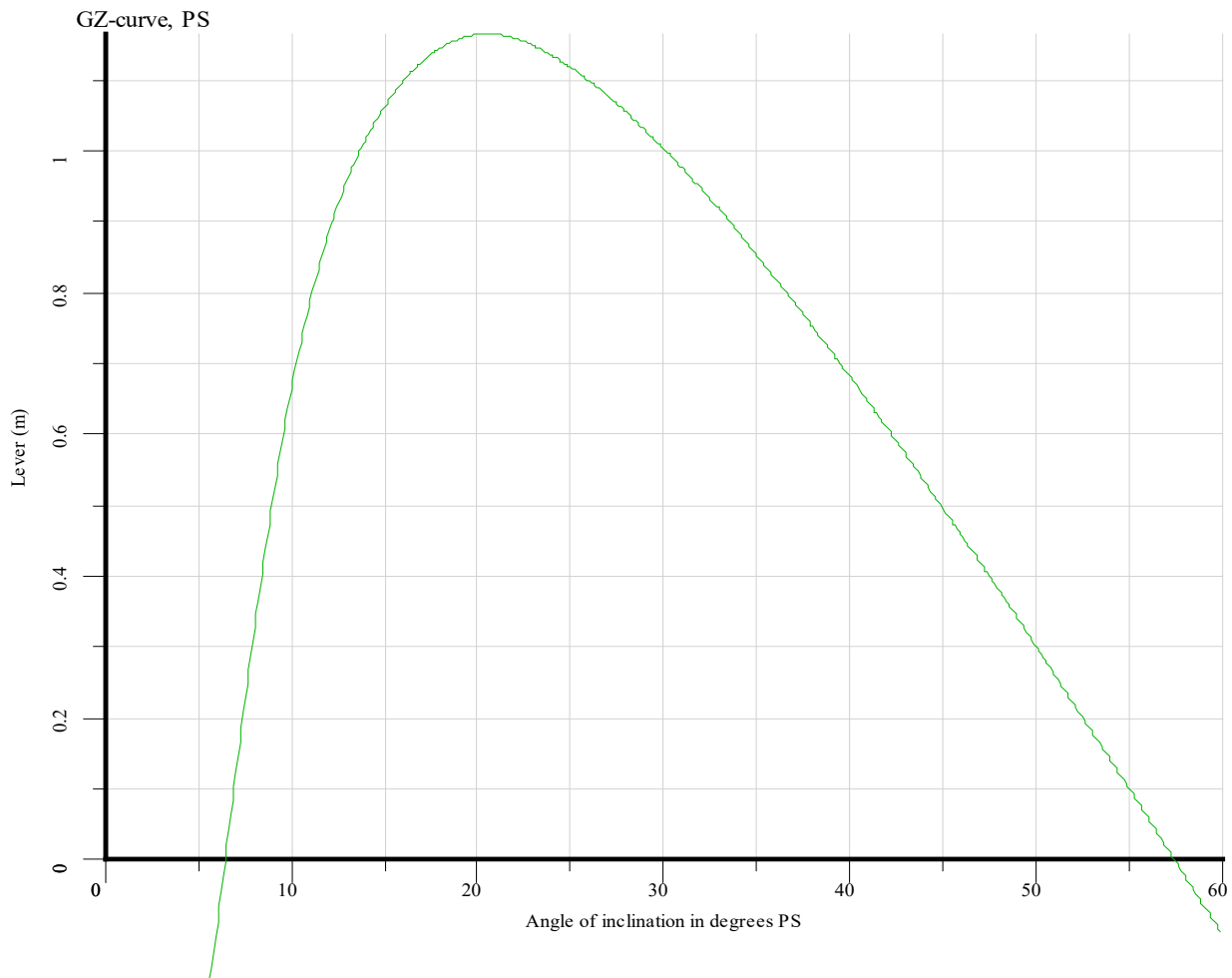
0.1000

Value

0.2315

meter

This damage case complies with the stated criteria

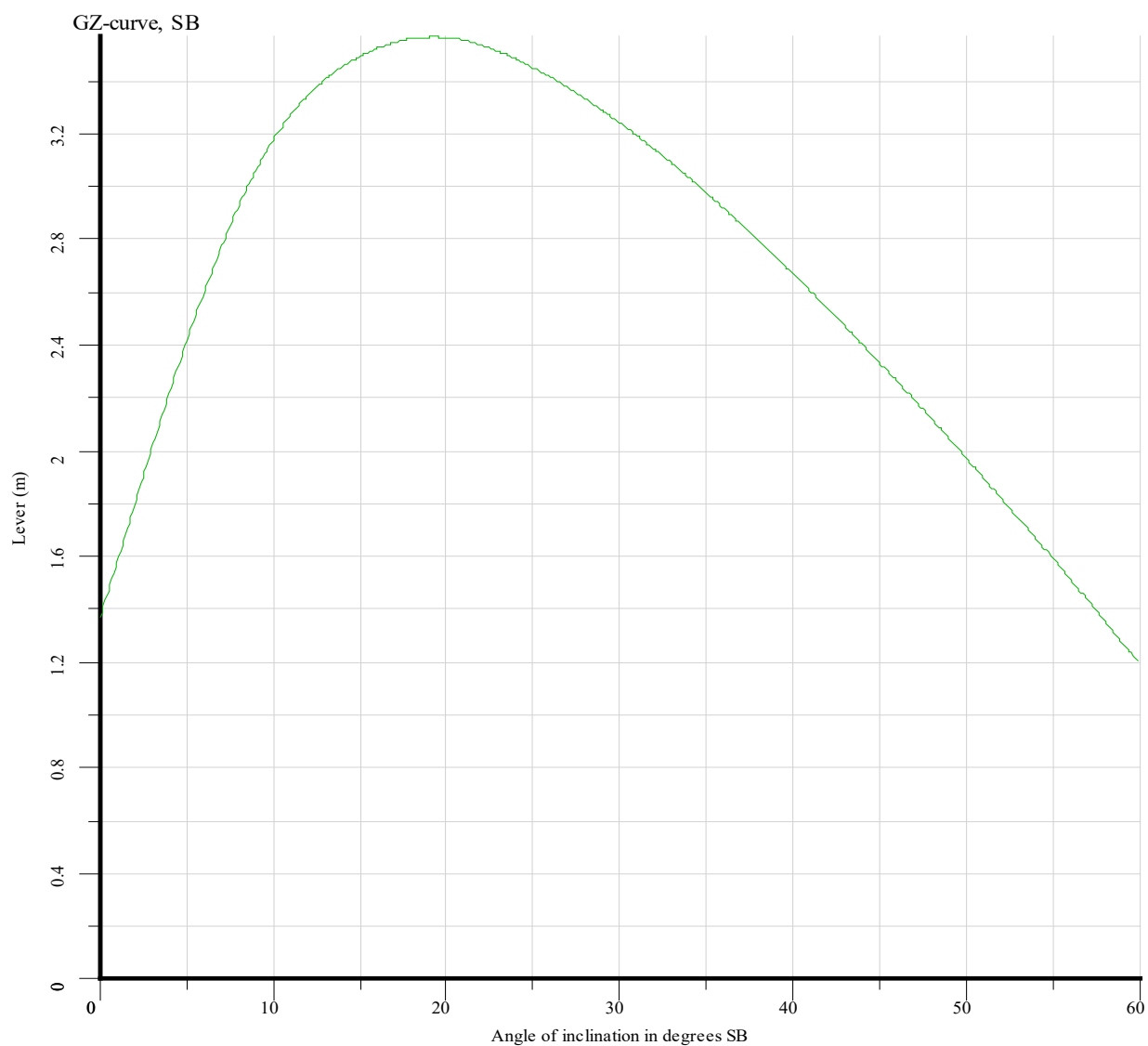


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

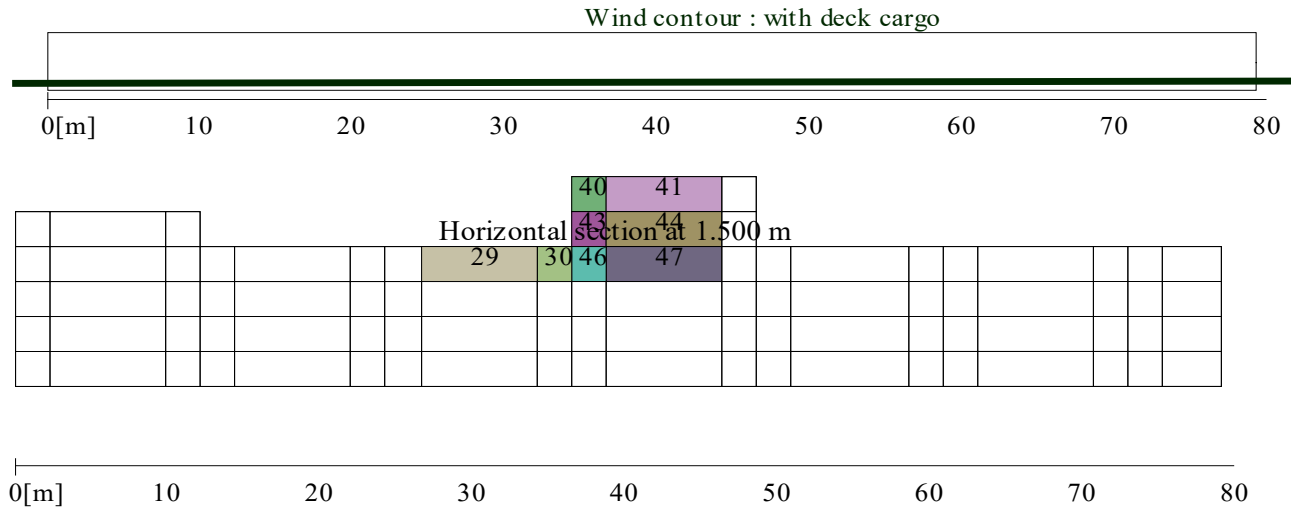


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.432 m
Marginline	mid aft PS	-1.427 m
Marginline	aft PS	-1.222 m
Marginline	fore PS	-1.065 m
Marginline	fore SB	-0.304 m
Marginline	mid fore SB	-0.291 m
Marginline	mid aft SB	-0.286 m
Marginline	aft SB	-0.271 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.432 m
Marginline	mid aft PS	-1.427 m
Marginline	aft PS	-1.222 m
Marginline	fore PS	-1.065 m
Marginline	fore SB	-0.304 m
Marginline	mid fore SB	-0.291 m
Marginline	mid aft SB	-0.286 m
Marginline	aft SB	-0.271 m

Damaged compartments and intact compartment weights (at 4.47° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	16.811	1.0000
10 A A	0.000	1.0000	5.037	1.0000
11 A	0.000	1.0000	13.439	1.0000
11 A A	0.000	1.0000	4.029	1.0000
15	0.000	1.0000	6.085	1.0000
15 A	0.000	1.0000	20.247	1.0000
16	0.000	1.0000	5.077	1.0000
16 A	0.000	1.0000	16.903	1.0000
17	0.000	1.0000	4.062	1.0000
17 A	0.000	1.0000	13.529	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	685.234	-1.837	1.347	-0.199	1.122
50.00	PS	685.227	-0.956	0.927	-0.694	1.044
40.00	PS	685.234	-0.380	0.653	-1.154	0.882
35.00	PS	685.234	-0.153	0.545	-1.361	0.772
30.00	PS	685.197	0.047	0.449	-1.545	0.645
25.00	PS	684.033	0.225	0.364	-1.688	0.504
20.00	PS	680.462	0.385	0.287	-1.759	0.353
15.00	PS	672.741	0.528	0.222	-1.676	0.202
10.00	PS	655.795	0.628	0.125	-1.296	0.067
5.00	PS	628.222	0.667	0.041	-0.140	0.001
4.47	PS	625.230	0.670	0.034	0.000	0.000
2.00	PS	611.190	0.684	0.001	0.653	0.014
0.00		599.935	0.696	-0.026	1.178	0.046
2.00	SB	588.562	0.707	-0.052	1.702	0.096
5.00	SB	571.344	0.723	-0.093	2.467	0.206
10.00	SB	546.441	0.699	-0.136	3.250	0.460
15.00	SB	532.466	0.590	-0.158	3.545	0.759
20.00	SB	524.988	0.433	-0.197	3.585	1.072
25.00	SB	521.505	0.266	-0.248	3.456	1.380
30.00	SB	520.141	0.088	-0.304	3.242	1.673
35.00	SB	519.970	-0.104	-0.368	2.975	1.944
40.00	SB	519.970	-0.322	-0.441	2.669	2.191
50.00	SB	519.982	-0.873	-0.627	1.970	2.597
60.00	SB	519.941	-1.718	-0.910	1.194	2.874

Statical angle of inclination is 4.47 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2 L PS 2

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.5272

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

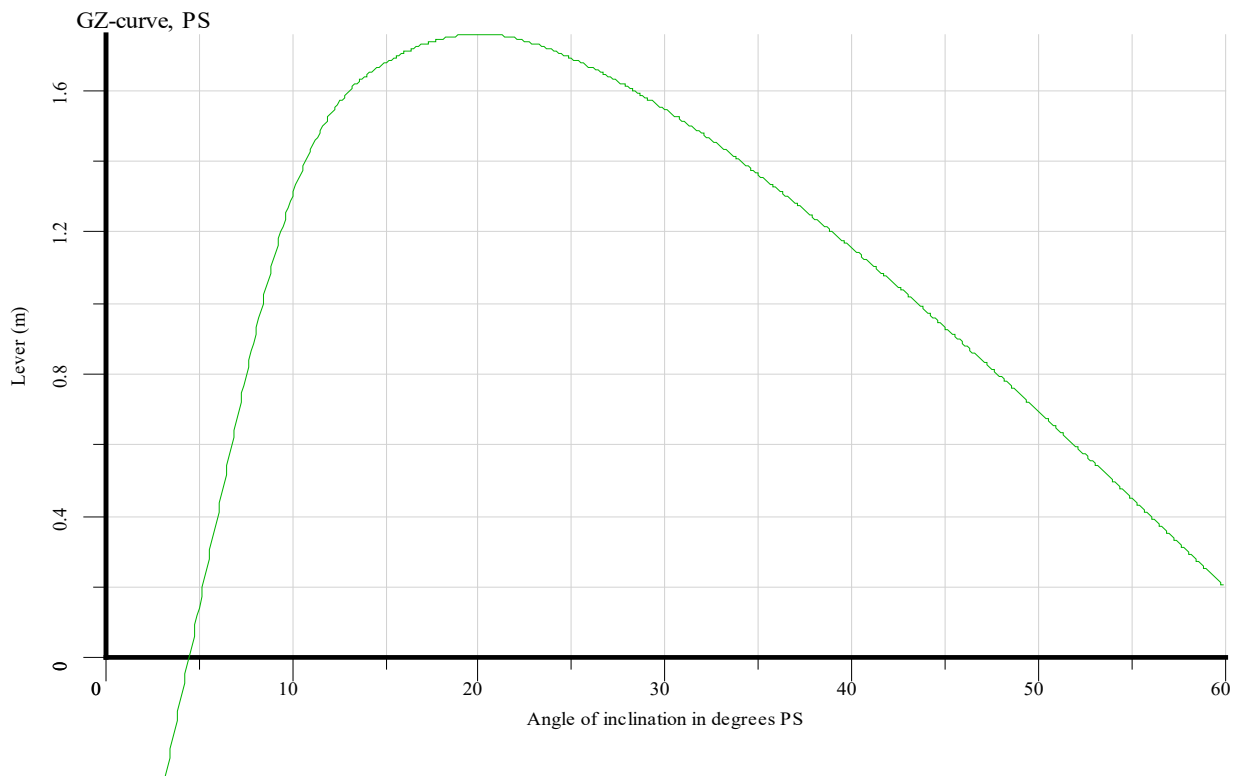
0.1000

Value

0.5589

meter

This damage case complies with the stated criteria

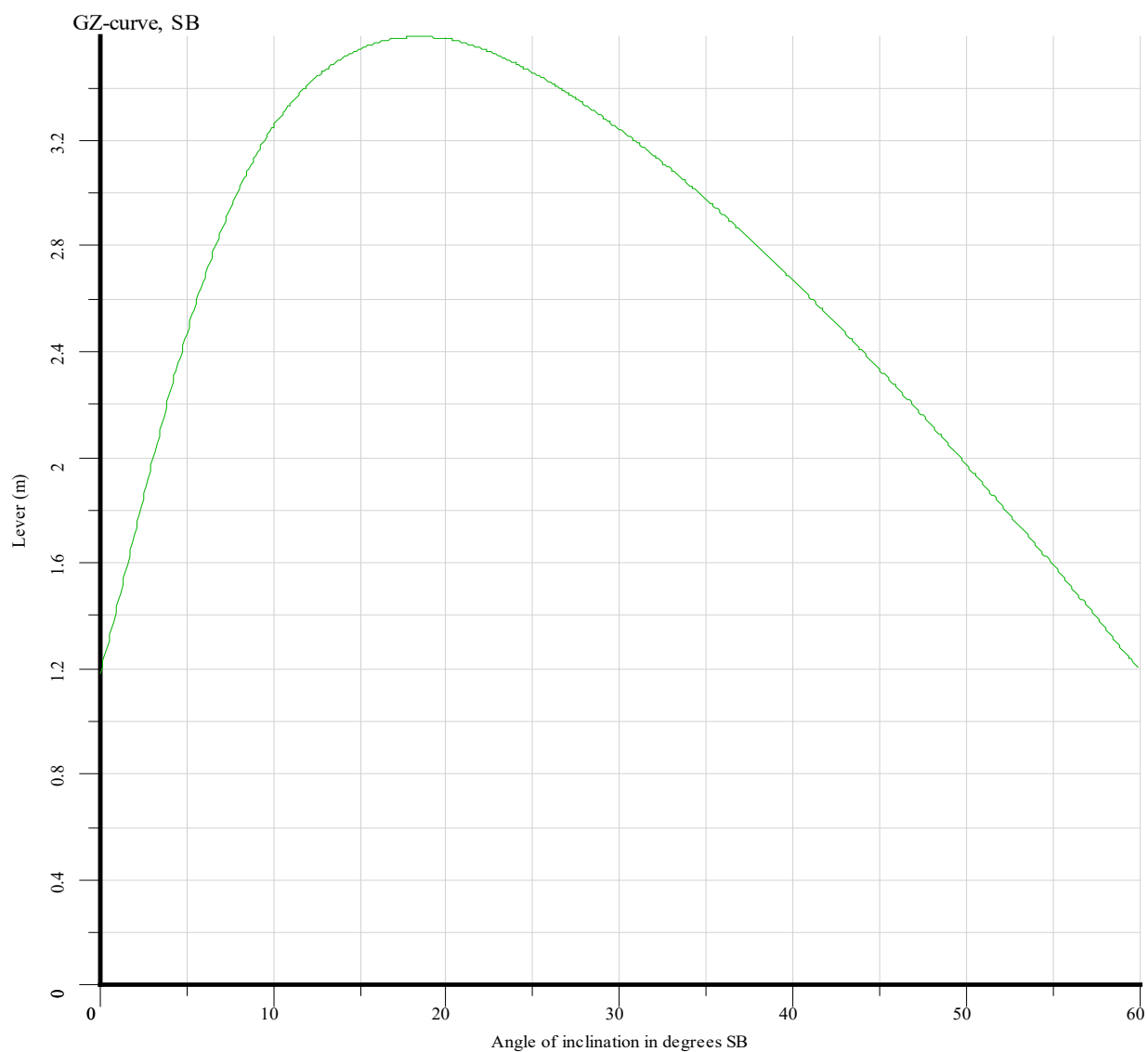


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

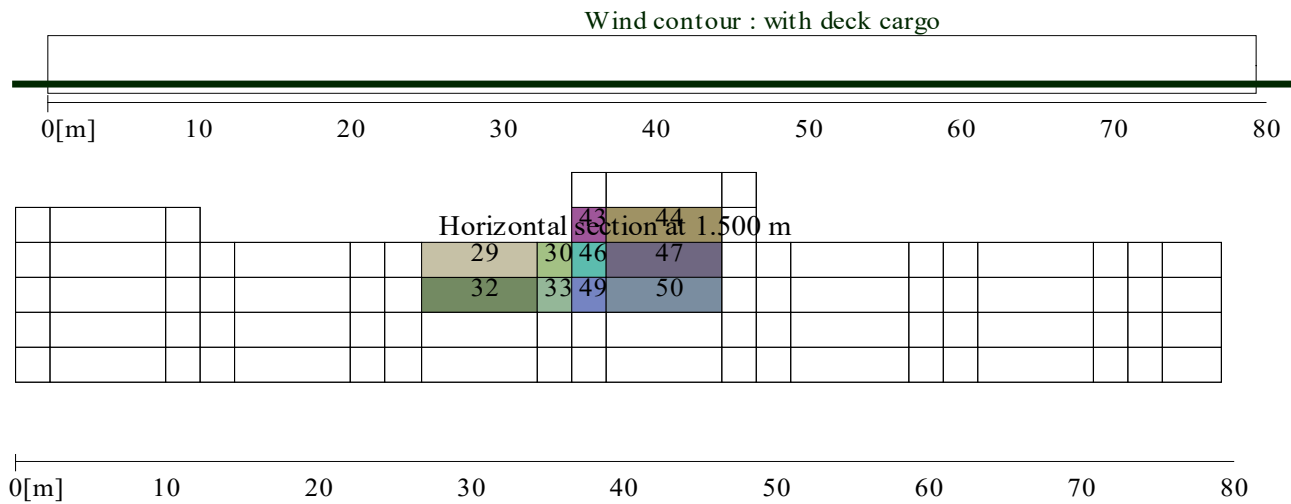


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:22

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2L PS in 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.806 m
Marginline	mid aft PS	-1.769 m
Marginline	aft PS	-1.377 m
Marginline	fore PS	-1.340 m
Marginline	fore SB	-0.221 m
Marginline	mid fore SB	-0.128 m
Marginline	mid aft SB	-0.090 m
Marginline	aft SB	0.022 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.806 m
Marginline	mid aft PS	-1.769 m
Marginline	aft PS	-1.377 m
Marginline	fore PS	-1.340 m
Marginline	fore SB	-0.221 m
Marginline	mid fore SB	-0.128 m
Marginline	mid aft SB	-0.090 m
Marginline	aft SB	0.022 m

Damaged compartments and intact compartment weights (at 6.59° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	28.809	1.0000
14 A A	0.000	1.0000	8.667	1.0000
15 A	0.000	1.0000	24.450	1.0000
15 A A	0.000	1.0000	7.398	1.0000
16 A	0.000	1.0000	19.340	1.0000
16 A A	0.000	1.0000	5.861	1.0000
20	0.000	1.0000	5.938	1.0000
20 A	0.000	1.0000	19.988	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	701.323	-1.660	3.815	0.129	0.609
50.00	PS	701.362	-0.833	2.624	-0.269	0.593
40.00	PS	701.202	-0.294	1.848	-0.642	0.512
35.00	PS	700.727	-0.084	1.541	-0.809	0.449
30.00	PS	699.450	0.100	1.265	-0.955	0.372
25.00	PS	696.893	0.263	1.012	-1.066	0.283
20.00	PS	692.211	0.412	0.776	-1.110	0.188
15.00	PS	683.227	0.545	0.563	-1.013	0.093
10.00	PS	665.801	0.642	0.359	-0.607	0.019
6.59	PS	638.967	0.659	0.249	0.000	0.000
5.00	PS	626.471	0.667	0.198	0.334	0.005
2.00	PS	600.085	0.673	0.125	0.966	0.039
0.00		582.596	0.677	0.077	1.384	0.080
2.00	SB	565.027	0.681	0.029	1.800	0.135
5.00	SB	540.111	0.686	-0.044	2.416	0.246
10.00	SB	522.593	0.665	-0.115	3.172	0.493
15.00	SB	519.976	0.568	-0.149	3.492	0.786
20.00	SB	519.967	0.421	-0.191	3.564	1.096
25.00	SB	519.970	0.261	-0.245	3.450	1.403
30.00	SB	519.978	0.088	-0.304	3.241	1.695
35.00	SB	519.963	-0.104	-0.368	2.975	1.967
40.00	SB	519.986	-0.321	-0.442	2.669	2.213
50.00	SB	519.970	-0.873	-0.626	1.970	2.620
60.00	SB	519.970	-1.717	-0.911	1.194	2.896

Statical angle of inclination is 6.59 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.1412 meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

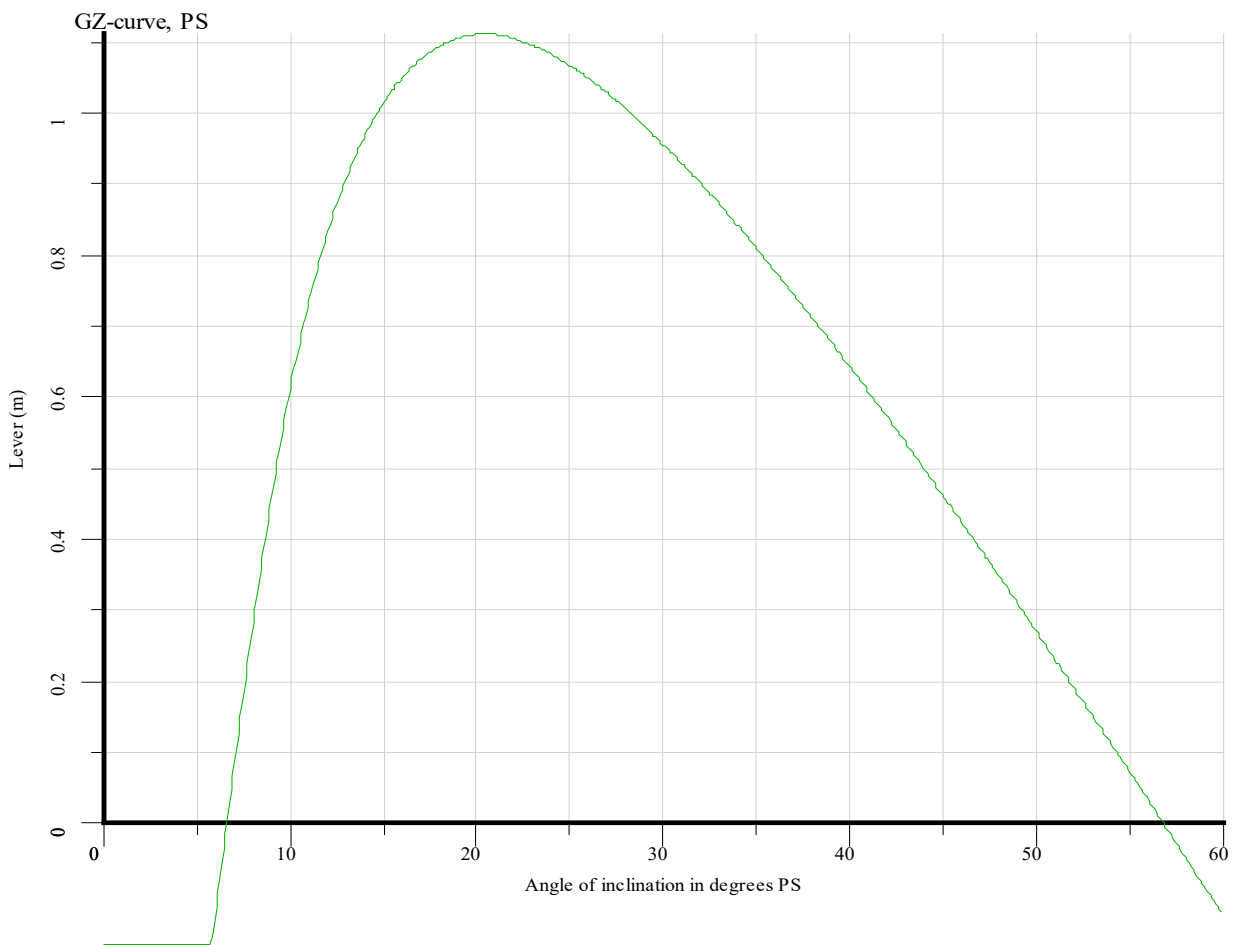
Criterion

0.1000

Value

0.1838 meter

This damage case complies with the stated criteria

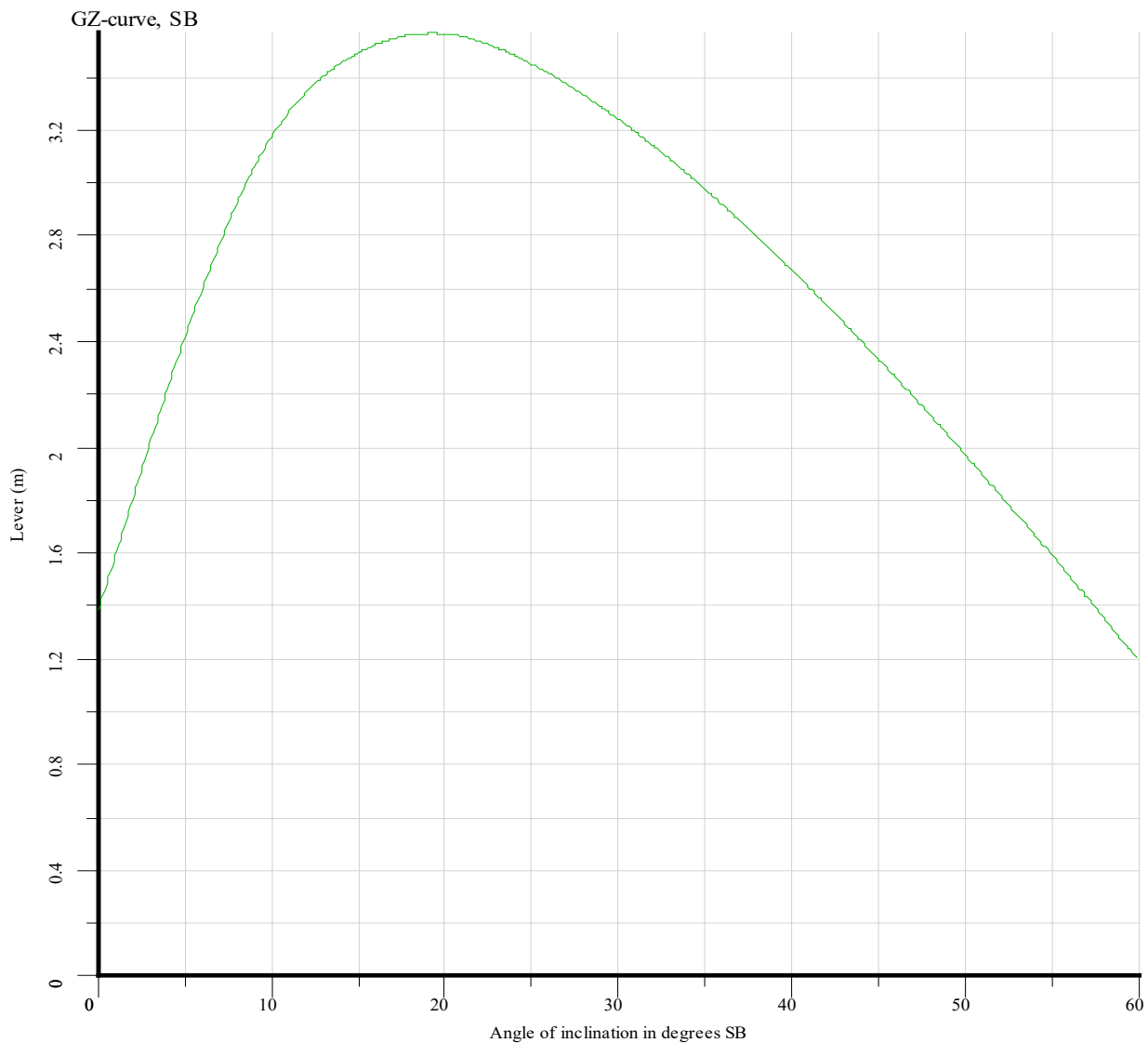


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

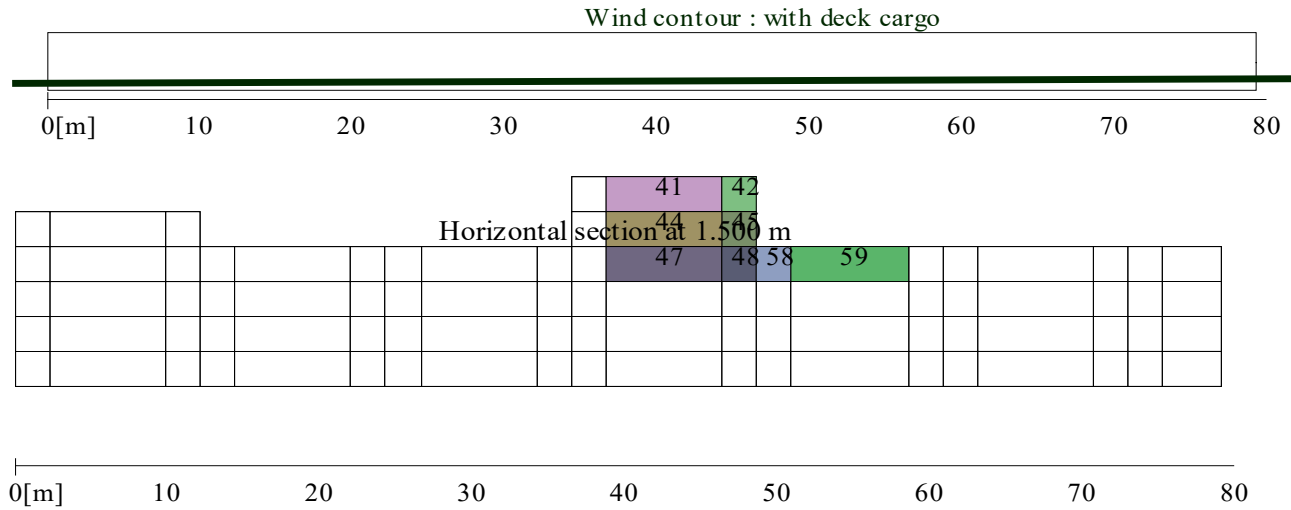


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.481 m
Marginline	mid aft PS	-1.446 m
Marginline	fore PS	-1.177 m
Marginline	aft PS	-1.146 m
Marginline	fore SB	-0.396 m
Marginline	mid fore SB	-0.309 m
Marginline	mid aft SB	-0.274 m
Marginline	aft SB	-0.170 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.481 m
Marginline	mid aft PS	-1.446 m
Marginline	fore PS	-1.177 m
Marginline	aft PS	-1.146 m
Marginline	fore SB	-0.396 m
Marginline	mid fore SB	-0.309 m
Marginline	mid aft SB	-0.274 m
Marginline	aft SB	-0.170 m

Damaged compartments and intact compartment weights (at 4.59° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	20.710	1.0000
15 A A	0.000	1.0000	6.265	1.0000
16 A	0.000	1.0000	17.274	1.0000
16 A A	0.000	1.0000	5.239	1.0000
17 A	0.000	1.0000	13.808	1.0000
17 A A	0.000	1.0000	4.203	1.0000
20	0.000	1.0000	5.310	1.0000
20 A	0.000	1.0000	17.891	1.0000
21	0.000	1.0000	4.267	1.0000
21 A	0.000	1.0000	14.425	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	700.405	-1.670	4.238	-0.168	1.072
50.00	PS	700.404	-0.840	2.916	-0.654	1.000
40.00	PS	700.329	-0.299	2.052	-1.106	0.845
35.00	PS	699.903	-0.088	1.709	-1.309	0.740
30.00	PS	698.642	0.097	1.401	-1.487	0.617
25.00	PS	695.946	0.261	1.119	-1.625	0.481
20.00	PS	690.990	0.409	0.857	-1.691	0.336
15.00	PS	681.389	0.541	0.621	-1.613	0.190
10.00	PS	661.828	0.637	0.399	-1.223	0.062
5.00	PS	631.851	0.674	0.237	-0.106	0.000
4.59	PS	629.406	0.676	0.228	0.000	0.000
2.00	PS	613.745	0.689	0.170	0.681	0.015
0.00		601.745	0.700	0.126	1.201	0.048
2.00	SB	589.688	0.710	0.082	1.721	0.099
5.00	SB	571.412	0.724	0.014	2.480	0.210
10.00	SB	545.381	0.698	-0.068	3.248	0.464
15.00	SB	531.594	0.589	-0.119	3.542	0.763
20.00	SB	524.336	0.431	-0.178	3.582	1.075
25.00	SB	521.107	0.265	-0.241	3.455	1.383
30.00	SB	520.023	0.088	-0.303	3.241	1.676
35.00	SB	519.970	-0.104	-0.368	2.975	1.947
40.00	SB	519.970	-0.322	-0.441	2.669	2.194
50.00	SB	519.970	-0.873	-0.627	1.970	2.600
60.00	SB	519.925	-1.718	-0.908	1.194	2.877

Statical angle of inclination is 4.59 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

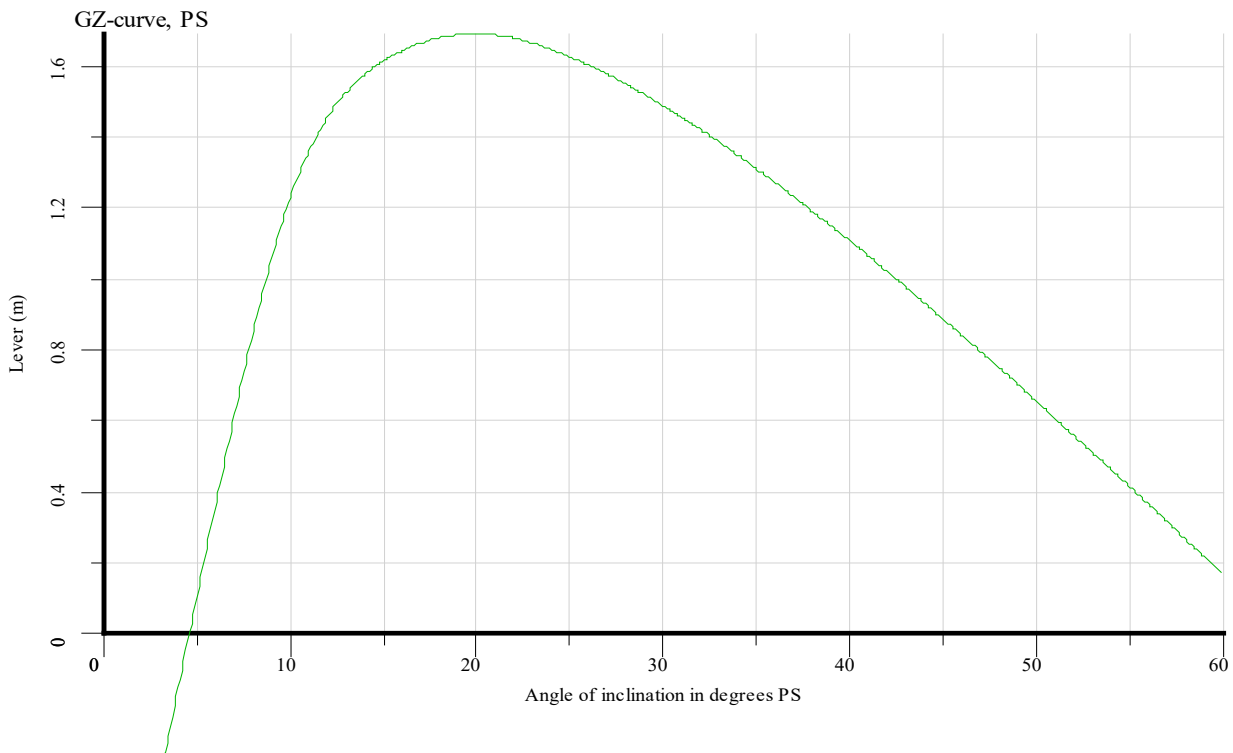
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.4779	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5105	meter
This damage case complies with the stated criteria				

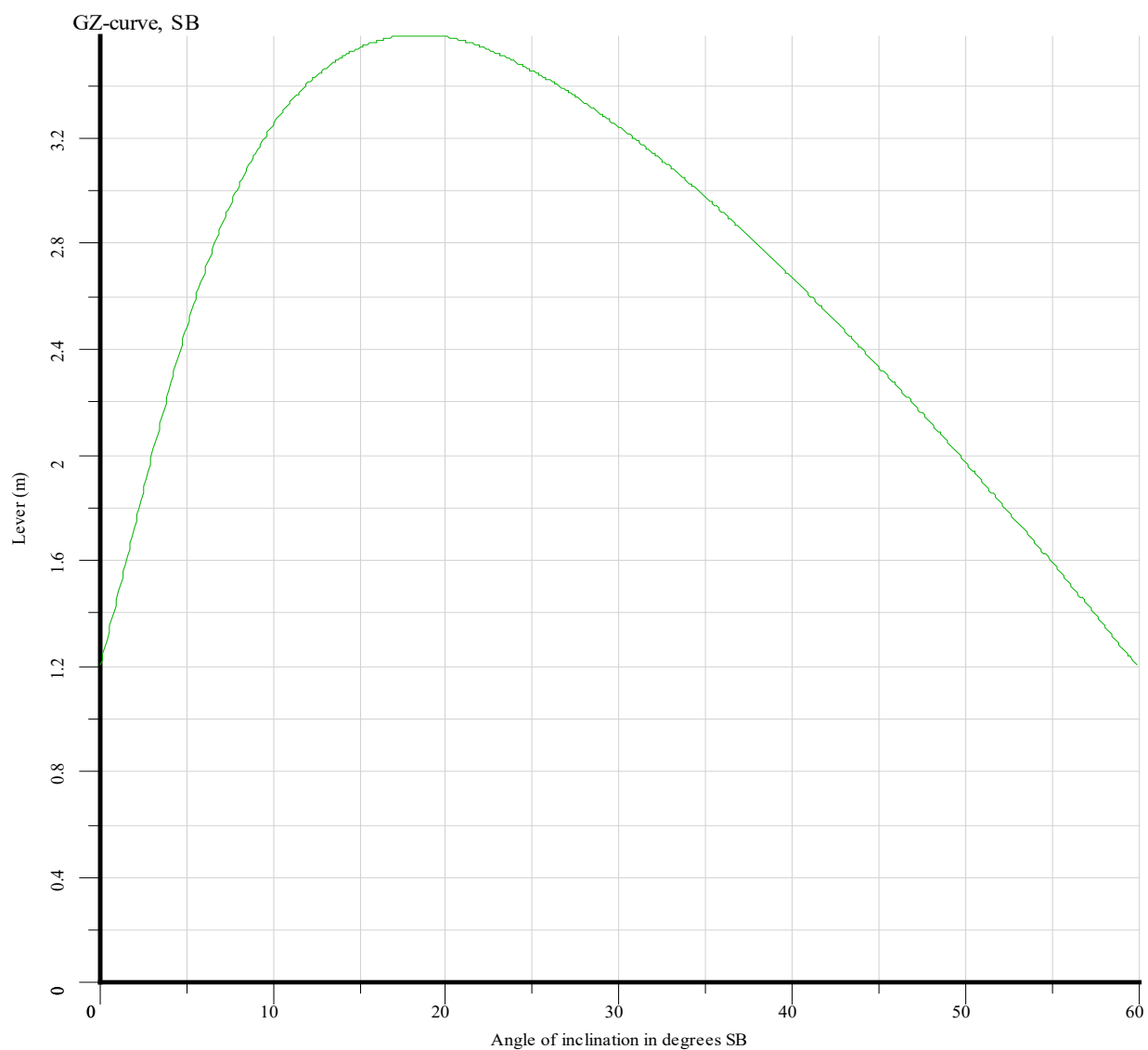


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

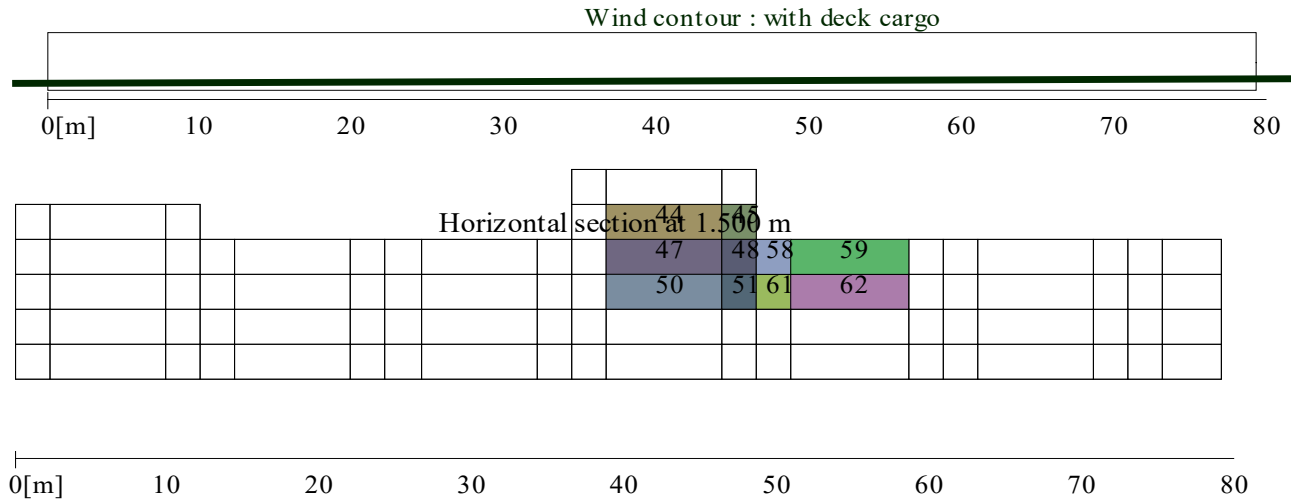


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.375 m
Marginline	fore PS	-1.367 m
Marginline	mid aft PS	-1.262 m
Marginline	fore SB	-0.786 m
Marginline	aft PS	-0.778 m
Marginline	mid fore SB	-0.503 m
Marginline	mid aft SB	-0.390 m
Marginline	aft SB	-0.051 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.375 m
Marginline	fore PS	-1.367 m
Marginline	mid aft PS	-1.262 m
Marginline	fore SB	-0.786 m
Marginline	aft PS	-0.778 m
Marginline	mid fore SB	-0.503 m
Marginline	mid aft SB	-0.390 m
Marginline	aft SB	-0.051 m

Damaged compartments and intact compartment weights (at 3.42° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	20.894	1.0000
24 A A	0.000	1.0000	6.487	1.0000
25 A	0.000	1.0000	18.331	1.0000
25 A A	0.000	1.0000	5.724	1.0000
26 A	0.000	1.0000	15.763	1.0000
26 A A	0.000	1.0000	4.957	1.0000
28	0.000	1.0000	6.645	1.0000
28 A	0.000	1.0000	11.260	1.0000
29	0.000	1.0000	5.879	1.0000
29 A	0.000	1.0000	9.995	1.0000
30	0.000	1.0000	5.105	1.0000
30 A	0.000	1.0000	8.712	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	698.648	-1.689	11.325	-0.270	1.250
50.00	PS	698.640	-0.854	7.792	-0.784	1.158
40.00	PS	698.276	-0.310	5.476	-1.260	0.979
35.00	PS	697.652	-0.098	4.556	-1.473	0.859
30.00	PS	696.418	0.088	3.737	-1.660	0.723
25.00	PS	694.025	0.252	2.991	-1.808	0.571
20.00	PS	689.370	0.397	2.299	-1.890	0.409
15.00	PS	680.604	0.524	1.664	-1.841	0.245
10.00	PS	663.425	0.625	1.129	-1.493	0.095
5.00	PS	644.197	0.694	0.794	-0.442	0.006
3.42	PS	639.931	0.709	0.747	0.000	0.000
2.00	PS	636.122	0.722	0.704	0.410	0.005
0.00		630.775	0.740	0.647	0.977	0.029
2.00	SB	625.548	0.758	0.588	1.543	0.073
5.00	SB	617.641	0.784	0.504	2.386	0.177
10.00	SB	600.143	0.770	0.416	3.221	0.426
15.00	SB	581.950	0.676	0.375	3.569	0.725
20.00	SB	572.685	0.543	0.397	3.609	1.040
25.00	SB	568.006	0.404	0.442	3.476	1.350
30.00	SB	565.848	0.256	0.509	3.256	1.644
35.00	SB	565.444	0.099	0.609	2.983	1.917
40.00	SB	565.446	-0.078	0.730	2.671	2.164
50.00	SB	565.456	-0.527	1.035	1.968	2.570
60.00	SB	565.441	-1.215	1.506	1.190	2.847

Statical angle of inclination is 3.42 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

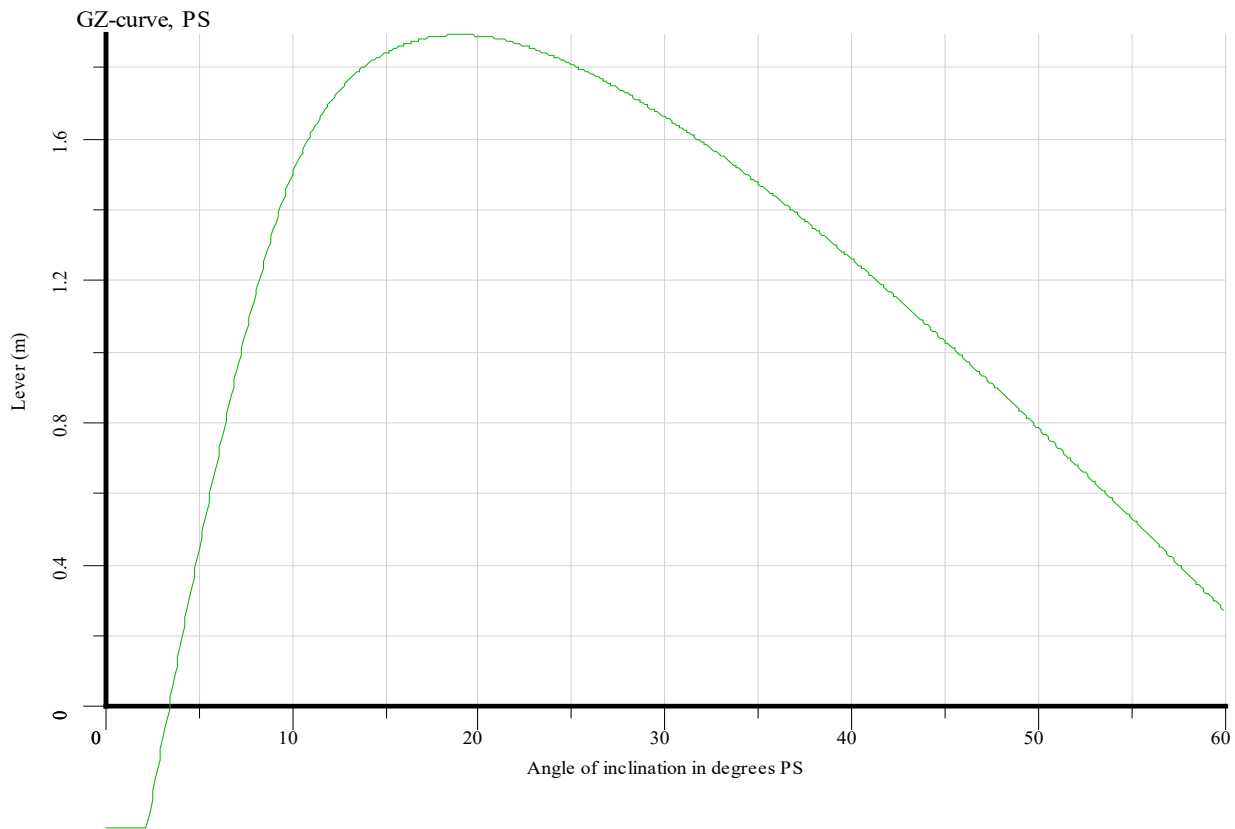
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5889	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6176	meter
This damage case complies with the stated criteria				

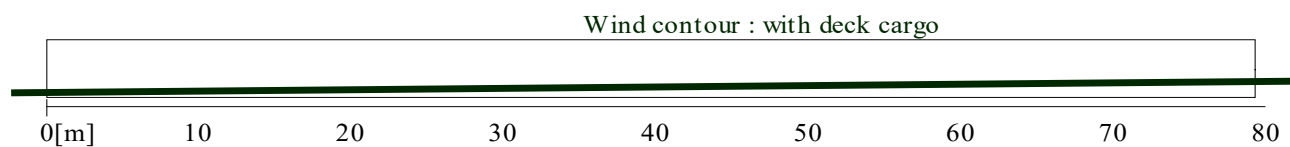
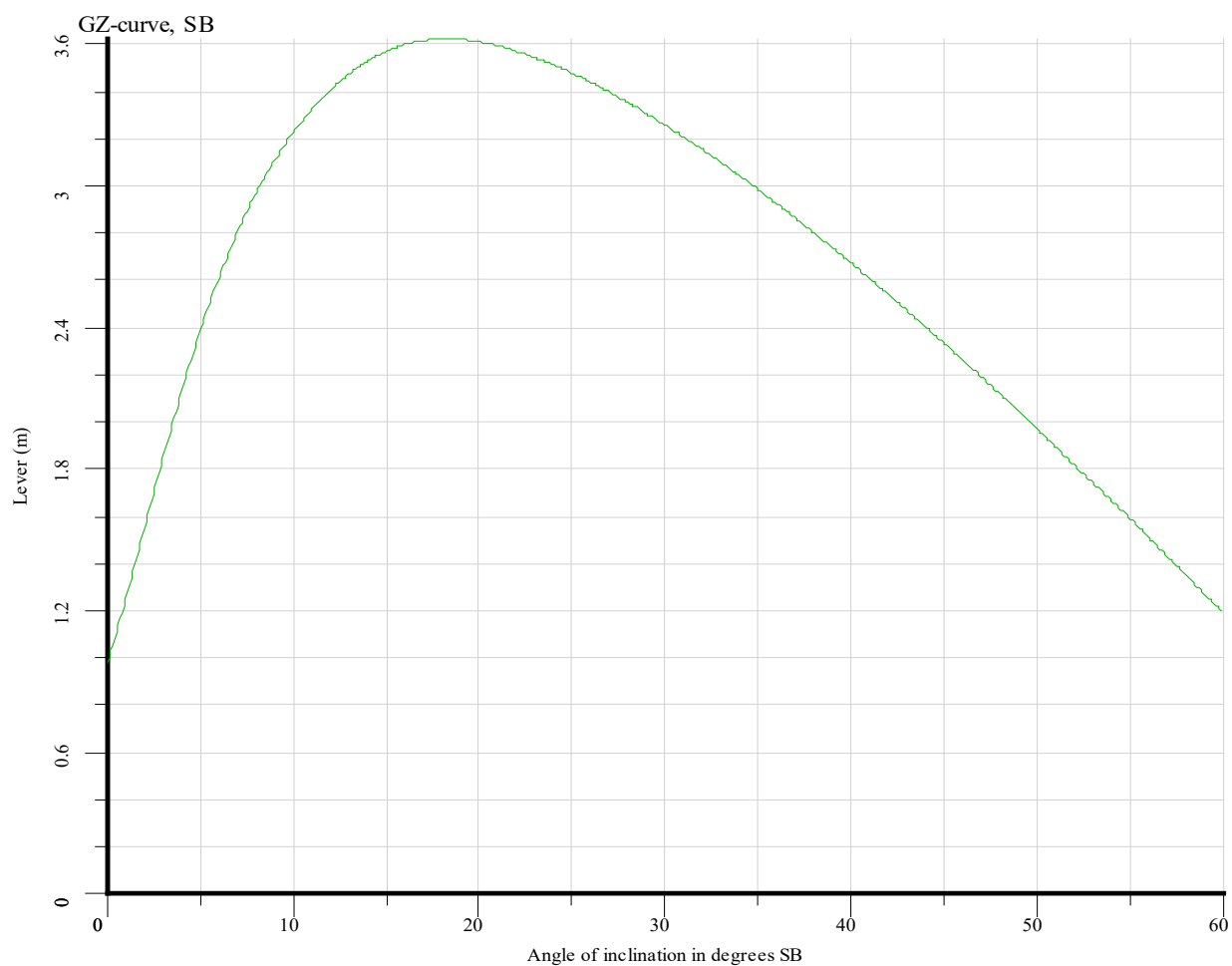


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

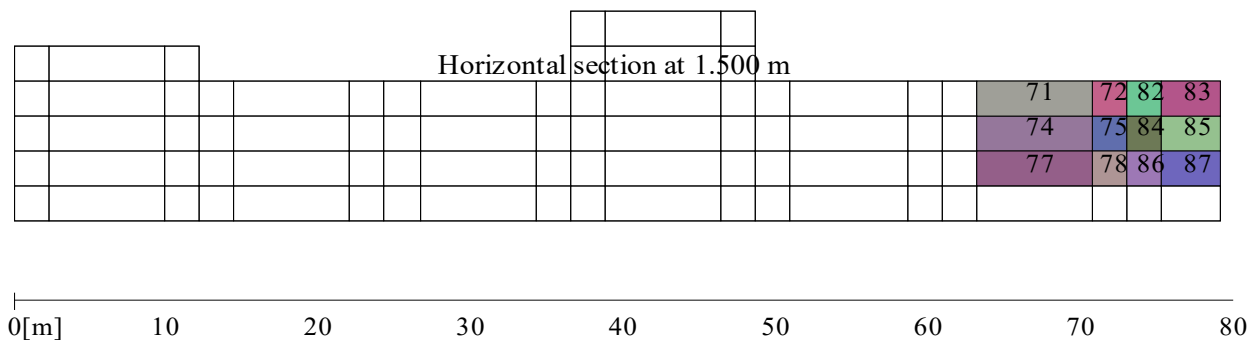
Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.318 m
Marginline	mid aft PS	-1.247 m
Marginline	fore PS	-1.189 m
Marginline	aft PS	-0.880 m
Marginline	fore SB	-0.573 m
Marginline	mid fore SB	-0.395 m
Marginline	mid aft SB	-0.324 m
Marginline	aft SB	-0.111 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.318 m
Marginline	mid aft PS	-1.247 m
Marginline	fore PS	-1.189 m
Marginline	aft PS	-0.880 m
Marginline	fore SB	-0.573 m
Marginline	mid fore SB	-0.395 m
Marginline	mid aft SB	-0.324 m
Marginline	aft SB	-0.111 m

Damaged compartments and intact compartment weights (at 3.62° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	18.414	1.0000
24 A A	0.000	1.0000	5.658	1.0000
25 A	0.000	1.0000	15.688	1.0000
25 A A	0.000	1.0000	4.844	1.0000
28	0.000	1.0000	5.769	1.0000
28 A	0.000	1.0000	9.718	1.0000
29	0.000	1.0000	4.950	1.0000
29 A	0.000	1.0000	8.362	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	665.345	-2.057	9.488	-0.269	1.242
50.00	PS	664.152	-1.116	6.490	-0.782	1.150
40.00	PS	661.825	-0.505	4.513	-1.257	0.971
35.00	PS	659.926	-0.266	3.726	-1.469	0.852
30.00	PS	657.269	-0.056	3.028	-1.655	0.716
25.00	PS	653.441	0.132	2.399	-1.801	0.565
20.00	PS	647.595	0.301	1.824	-1.882	0.403
15.00	PS	637.688	0.452	1.299	-1.830	0.240
10.00	PS	618.868	0.570	0.837	-1.485	0.091
5.00	PS	598.479	0.638	0.520	-0.391	0.005
3.62	PS	593.478	0.649	0.472	0.000	0.000
2.00	PS	587.638	0.662	0.416	0.470	0.007
0.00		580.420	0.678	0.348	1.039	0.033
2.00	SB	573.281	0.693	0.279	1.608	0.079
5.00	SB	562.306	0.715	0.173	2.442	0.186
10.00	SB	541.284	0.692	0.028	3.235	0.439
15.00	SB	528.699	0.584	-0.073	3.530	0.736
20.00	SB	522.719	0.427	-0.161	3.576	1.048
25.00	SB	520.419	0.262	-0.239	3.452	1.355
30.00	SB	519.970	0.088	-0.304	3.241	1.648
35.00	SB	519.969	-0.104	-0.368	2.975	1.920
40.00	SB	519.959	-0.322	-0.441	2.669	2.166
50.00	SB	519.967	-0.873	-0.626	1.970	2.572
60.00	SB	519.953	-1.717	-0.909	1.194	2.849

Statical angle of inclination is 3.62 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

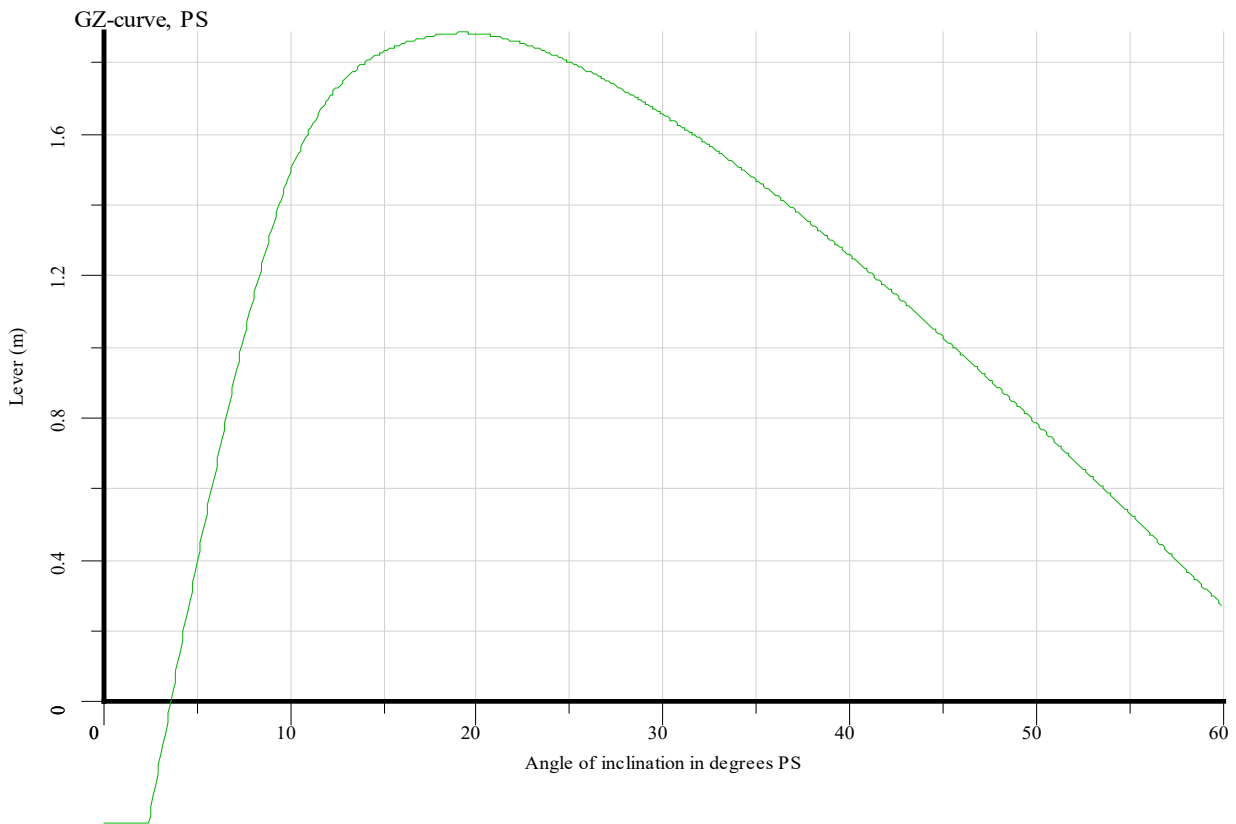
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6447	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6742	meter
This damage case complies with the stated criteria				

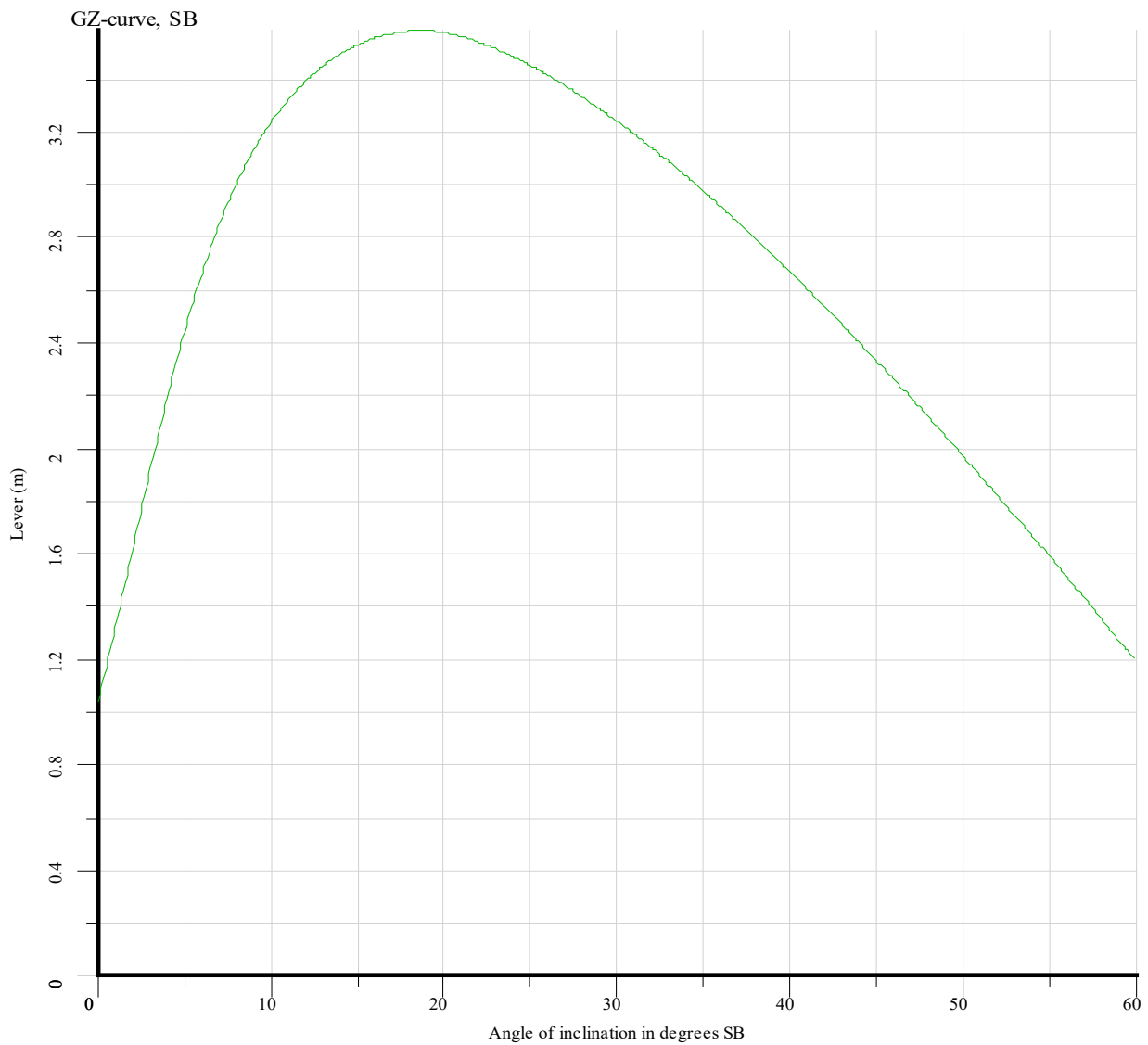


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

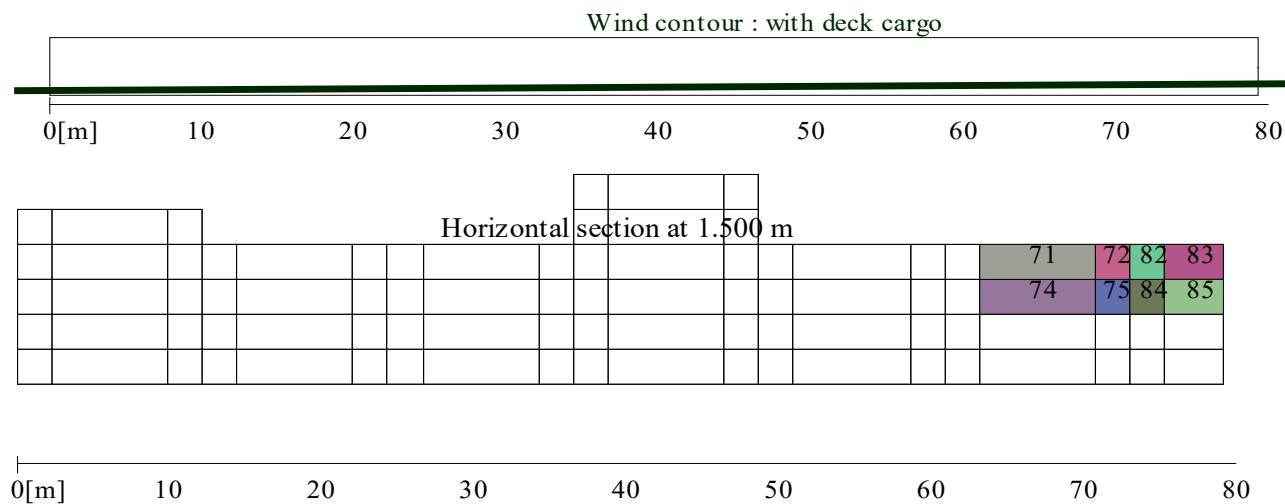
Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.161 m
Marginline	mid fore PS	-1.066 m
Marginline	mid aft PS	-0.971 m
Marginline	fore SB	-0.873 m
Marginline	mid fore SB	-0.635 m
Marginline	aft PS	-0.614 m
Marginline	mid aft SB	-0.540 m
Marginline	aft SB	-0.255 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.161 m
Marginline	mid fore PS	-1.066 m
Marginline	mid aft PS	-0.971 m
Marginline	fore SB	-0.873 m
Marginline	mid fore SB	-0.635 m
Marginline	aft PS	-0.614 m
Marginline	mid aft SB	-0.540 m
Marginline	aft SB	-0.255 m

Damaged compartments and intact compartment weights (at 1.69^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	16.898	1.0000
25 A A	0.000	1.0000	5.255	1.0000
26 A	0.000	1.0000	15.629	1.0000
26 A A	0.000	1.0000	4.876	1.0000
27 A	0.000	1.0000	14.359	1.0000
27 A A	0.000	1.0000	4.496	1.0000
29	0.000	1.0000	5.386	1.0000
29 A	0.000	1.0000	9.136	1.0000
30	0.000	1.0000	5.004	1.0000
30 A	0.000	1.0000	8.503	1.0000
31	0.000	1.0000	4.622	1.0000
31 A	0.000	1.0000	7.870	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	532.515	-3.523	2.470	-0.492	1.614
50.00	PS	534.696	-2.099	1.778	-1.068	1.478
40.00	PS	538.129	-1.166	1.340	-1.596	1.244
35.00	PS	540.540	-0.799	1.170	-1.831	1.094
30.00	PS	543.698	-0.473	1.020	-2.036	0.925
25.00	PS	548.058	-0.180	0.889	-2.199	0.740
20.00	PS	554.511	0.087	0.781	-2.294	0.543
15.00	PS	564.521	0.326	0.685	-2.261	0.344
10.00	PS	580.422	0.520	0.585	-1.954	0.156
5.00	PS	604.675	0.646	0.558	-0.903	0.026
2.00	PS	620.372	0.702	0.611	-0.086	0.000
1.69	PS	621.987	0.708	0.616	0.000	0.000
0.00		630.775	0.740	0.647	0.457	0.007
2.00	SB	641.302	0.777	0.682	0.999	0.032
5.00	SB	657.342	0.833	0.744	1.801	0.106
10.00	SB	682.595	0.874	0.959	2.633	0.304
15.00	SB	697.360	0.868	1.355	2.987	0.552
20.00	SB	706.899	0.854	1.901	3.028	0.816
25.00	SB	713.093	0.835	2.517	2.914	1.076
30.00	SB	717.321	0.814	3.191	2.721	1.322
35.00	SB	720.361	0.790	3.935	2.478	1.550
40.00	SB	722.639	0.762	4.775	2.201	1.754
50.00	SB	725.741	0.690	6.898	1.575	2.085
60.00	SB	727.674	0.576	10.131	0.885	2.300

Statical angle of inclination is 1.69 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

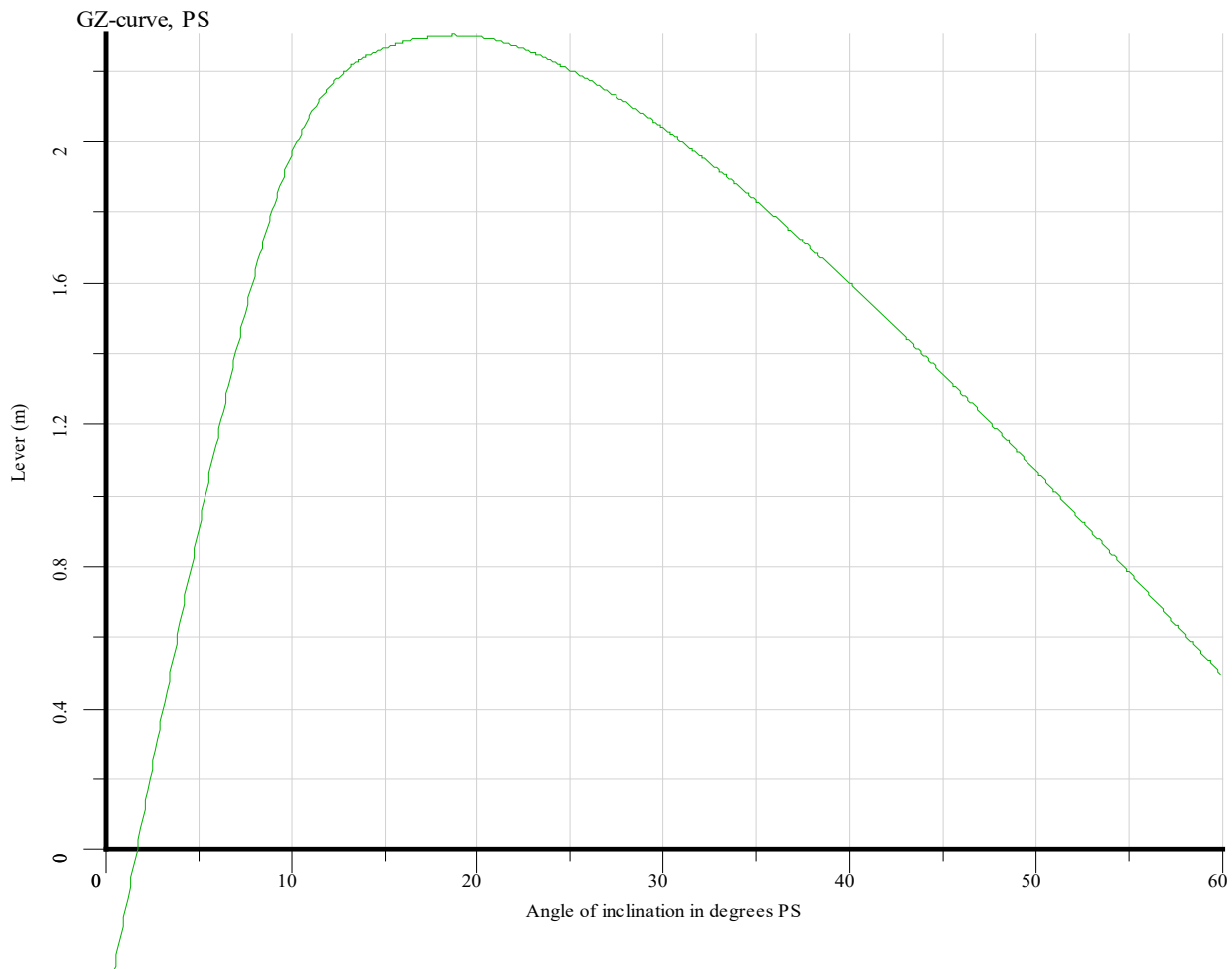
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8140	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8242	meter
This damage case complies with the stated criteria				

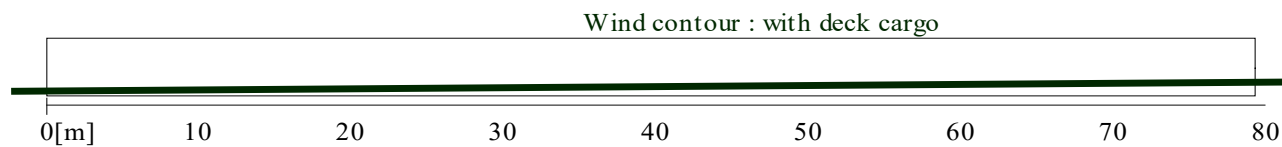
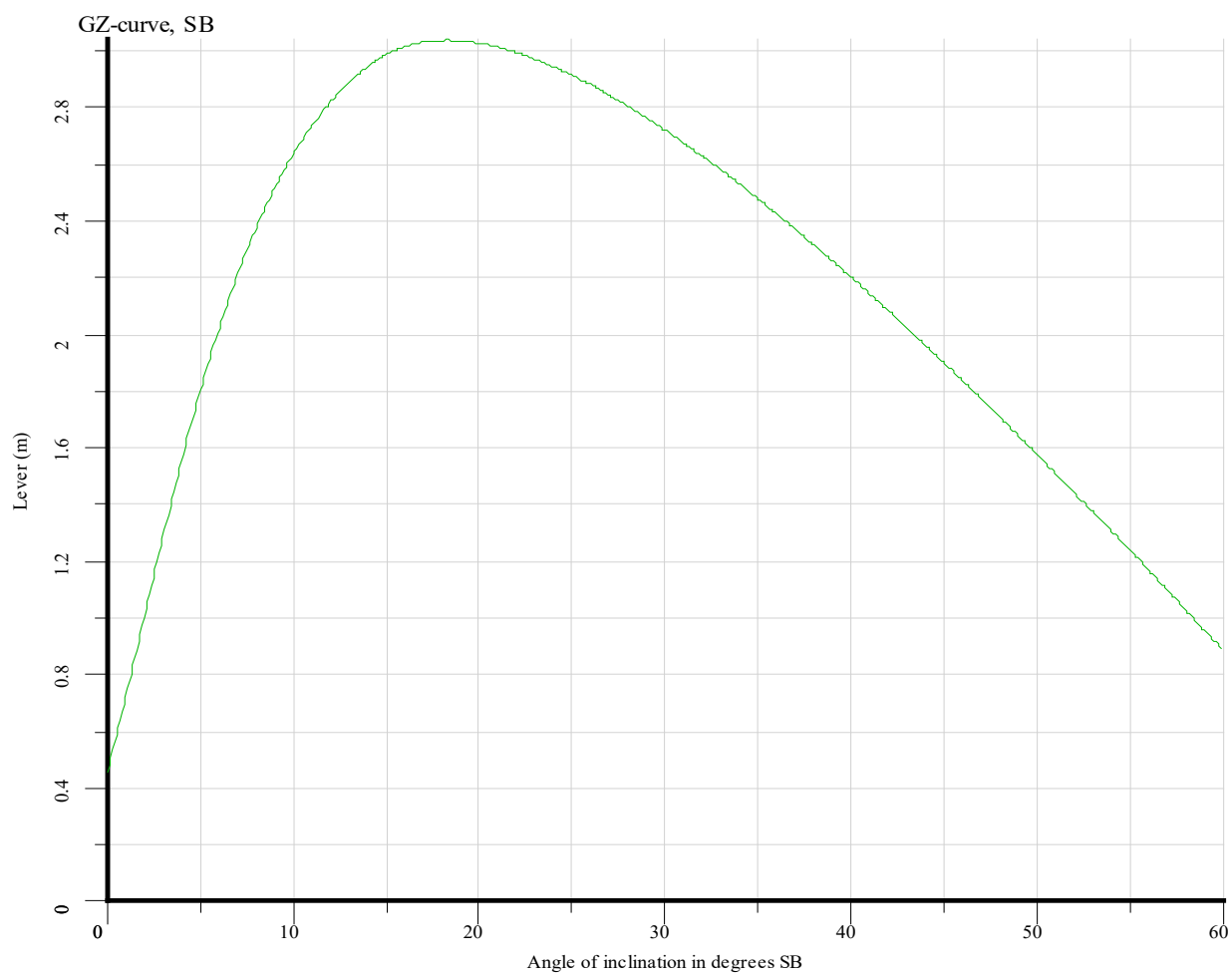


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

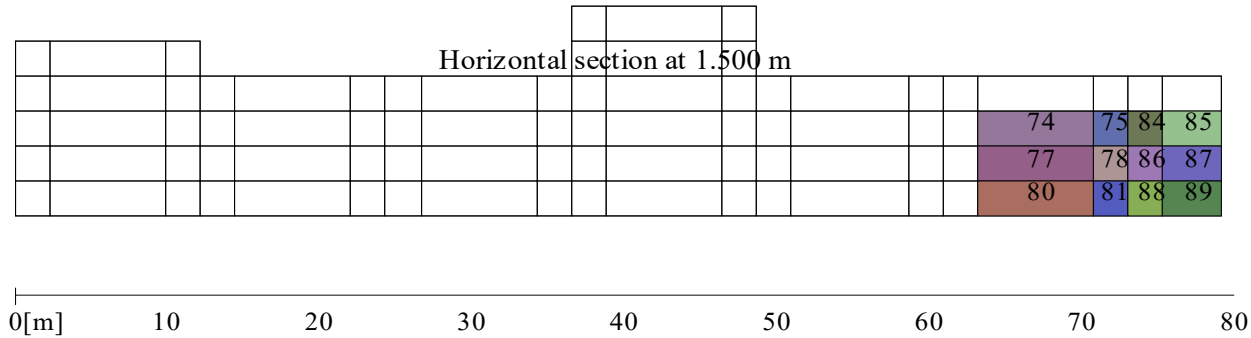


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.979 m
Marginline	fore PS	-0.953 m
Marginline	mid aft PS	-0.929 m
Marginline	aft PS	-0.708 m
Marginline	fore SB	-0.657 m
Marginline	mid fore SB	-0.533 m
Marginline	mid aft SB	-0.484 m
Marginline	aft SB	-0.337 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.979 m
Marginline	fore PS	-0.953 m
Marginline	mid aft PS	-0.929 m
Marginline	aft PS	-0.708 m
Marginline	fore SB	-0.657 m
Marginline	mid fore SB	-0.533 m
Marginline	mid aft SB	-0.484 m
Marginline	aft SB	-0.337 m

Damaged compartments and intact compartment weights (at 1.74^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	12.686	1.0000
26 A A	0.000	1.0000	3.898	1.0000
27 A	0.000	1.0000	11.382	1.0000
27 A A	0.000	1.0000	3.508	1.0000
30	0.000	1.0000	3.974	1.0000
30 A	0.000	1.0000	6.695	1.0000
31	0.000	1.0000	3.581	1.0000
31 A	0.000	1.0000	6.043	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	519.970	-3.662	1.791	-0.482	1.589
50.00	PS	519.970	-2.211	1.232	-1.056	1.455
40.00	PS	519.985	-1.263	0.867	-1.579	1.224
35.00	PS	519.992	-0.890	0.723	-1.809	1.076
30.00	PS	519.970	-0.561	0.597	-2.009	0.909
25.00	PS	519.969	-0.263	0.484	-2.161	0.727
20.00	PS	520.557	0.007	0.396	-2.243	0.534
15.00	PS	523.983	0.248	0.319	-2.218	0.338
10.00	PS	533.183	0.453	0.251	-1.928	0.153
5.00	PS	555.387	0.585	0.266	-0.890	0.025
2.00	PS	570.451	0.641	0.315	-0.071	0.000
1.74	PS	571.729	0.645	0.319	0.000	0.000
0.00		580.422	0.678	0.348	0.472	0.007
2.00	SB	590.469	0.714	0.380	1.014	0.033
5.00	SB	605.524	0.769	0.431	1.822	0.108
10.00	SB	629.540	0.807	0.605	2.635	0.307
15.00	SB	647.185	0.785	0.921	3.013	0.556
20.00	SB	655.870	0.736	1.323	3.061	0.823
25.00	SB	660.702	0.679	1.762	2.949	1.086
30.00	SB	663.506	0.616	2.230	2.754	1.335
35.00	SB	665.128	0.543	2.738	2.511	1.565
40.00	SB	665.989	0.459	3.301	2.232	1.772
50.00	SB	666.604	0.241	4.708	1.603	2.108
60.00	SB	666.685	-0.098	6.846	0.908	2.328

Statical angle of inclination is 1.74 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

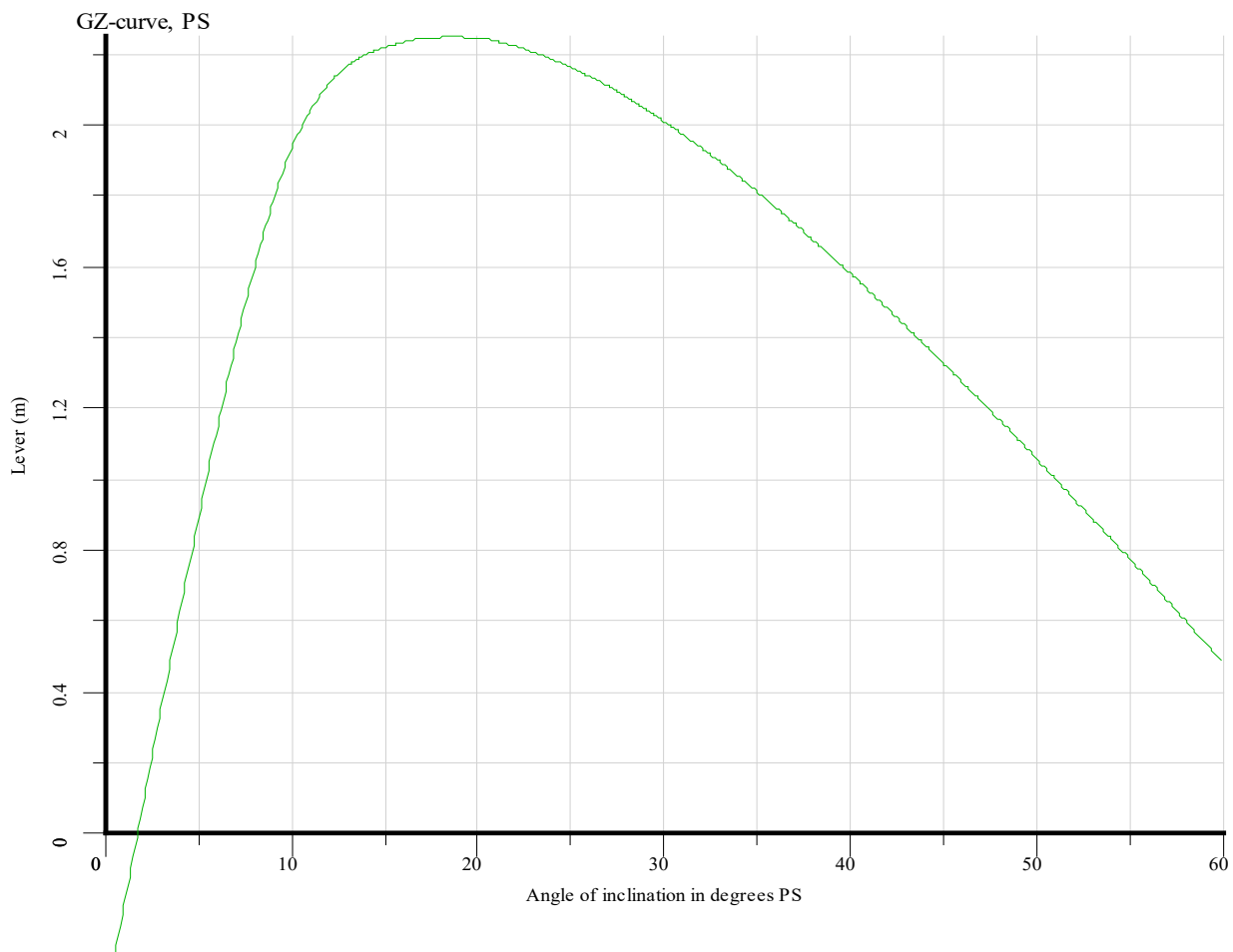
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9872	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0149	meter
This damage case complies with the stated criteria				

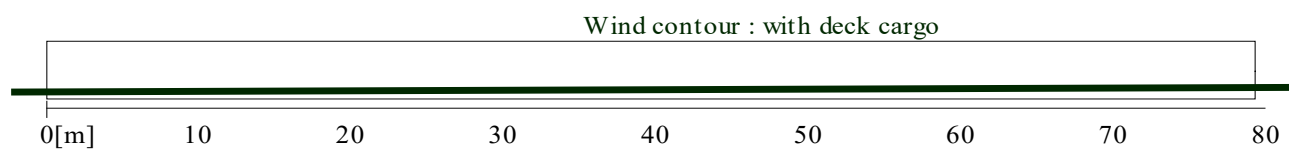
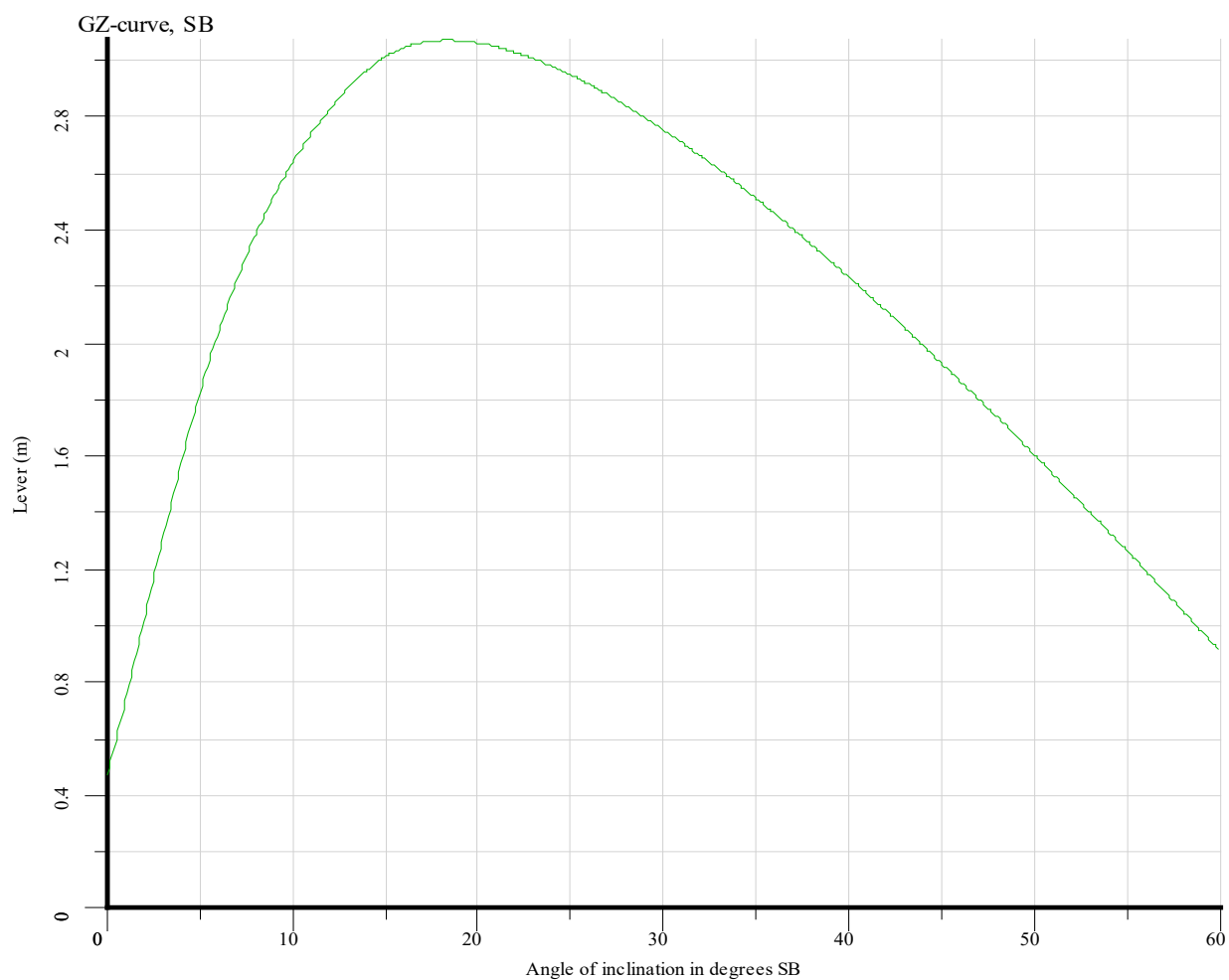


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers to PS

FORE SB 2

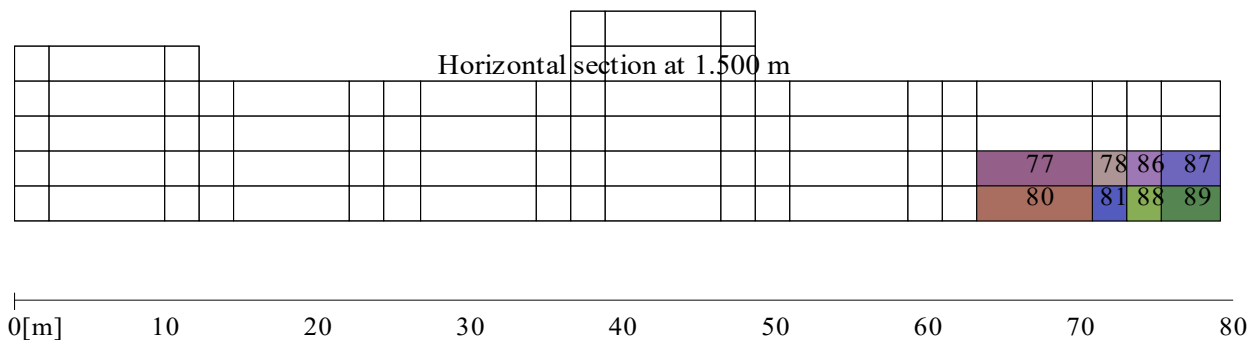
100%

519.970 ton

2.277 m

38.576 m

-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.029 m
Marginline	aft SB	-0.956 m
Marginline	mid aft PS	-0.795 m
Marginline	mid fore PS	-0.712 m
Marginline	mid aft SB	-0.708 m
Marginline	mid fore SB	-0.625 m
Marginline	fore PS	-0.475 m
Marginline	fore SB	-0.417 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.029 m
Marginline	aft SB	-0.956 m
Marginline	mid aft PS	-0.795 m
Marginline	mid fore PS	-0.712 m
Marginline	mid aft SB	-0.708 m
Marginline	mid fore SB	-0.625 m
Marginline	fore PS	-0.475 m
Marginline	fore SB	-0.417 m

Damaged compartments and intact compartment weights (at 0.34° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	17.291	1.0000
1 A A	0.000	1.0000	4.992	1.0000
2 A	0.000	1.0000	17.044	1.0000
2 A A	0.000	1.0000	4.918	1.0000
3 A	0.000	1.0000	16.780	1.0000
3 A A	0.000	1.0000	4.839	1.0000
6	0.000	1.0000	4.870	1.0000
6 A	0.000	1.0000	15.581	1.0000
7	0.000	1.0000	4.791	1.0000
7 A	0.000	1.0000	15.320	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	745.816	-1.169	-8.954	-0.637	1.873
50.00	PS	744.638	-0.504	-6.131	-1.256	1.707
40.00	PS	742.315	-0.075	-4.271	-1.821	1.438
35.00	PS	740.272	0.092	-3.530	-2.072	1.268
30.00	PS	737.283	0.238	-2.873	-2.294	1.077
25.00	PS	732.866	0.366	-2.283	-2.474	0.869
20.00	PS	726.032	0.480	-1.751	-2.586	0.647
15.00	PS	714.479	0.577	-1.281	-2.572	0.421
10.00	PS	691.775	0.649	-0.873	-2.260	0.206
5.00	PS	657.411	0.693	-0.636	-1.222	0.050
2.00	PS	637.414	0.708	-0.573	-0.435	0.006
0.34	PS	626.389	0.716	-0.538	0.000	0.000
0.00		624.134	0.718	-0.531	0.087	0.000
2.00	SB	610.856	0.728	-0.489	0.610	0.012
5.00	SB	590.698	0.741	-0.426	1.377	0.065
10.00	SB	556.441	0.711	-0.334	2.146	0.223
15.00	SB	536.754	0.597	-0.272	2.444	0.426
20.00	SB	527.194	0.438	-0.262	2.503	0.643
25.00	SB	522.671	0.269	-0.279	2.409	0.858
30.00	SB	520.615	0.090	-0.314	2.240	1.061
35.00	SB	519.982	-0.104	-0.368	2.026	1.248
40.00	SB	519.970	-0.322	-0.441	1.781	1.414
50.00	SB	519.969	-0.873	-0.626	1.225	1.678
60.00	SB	519.963	-1.717	-0.909	0.615	1.839

Statical angle of inclination is 0.34 degrees to portside

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

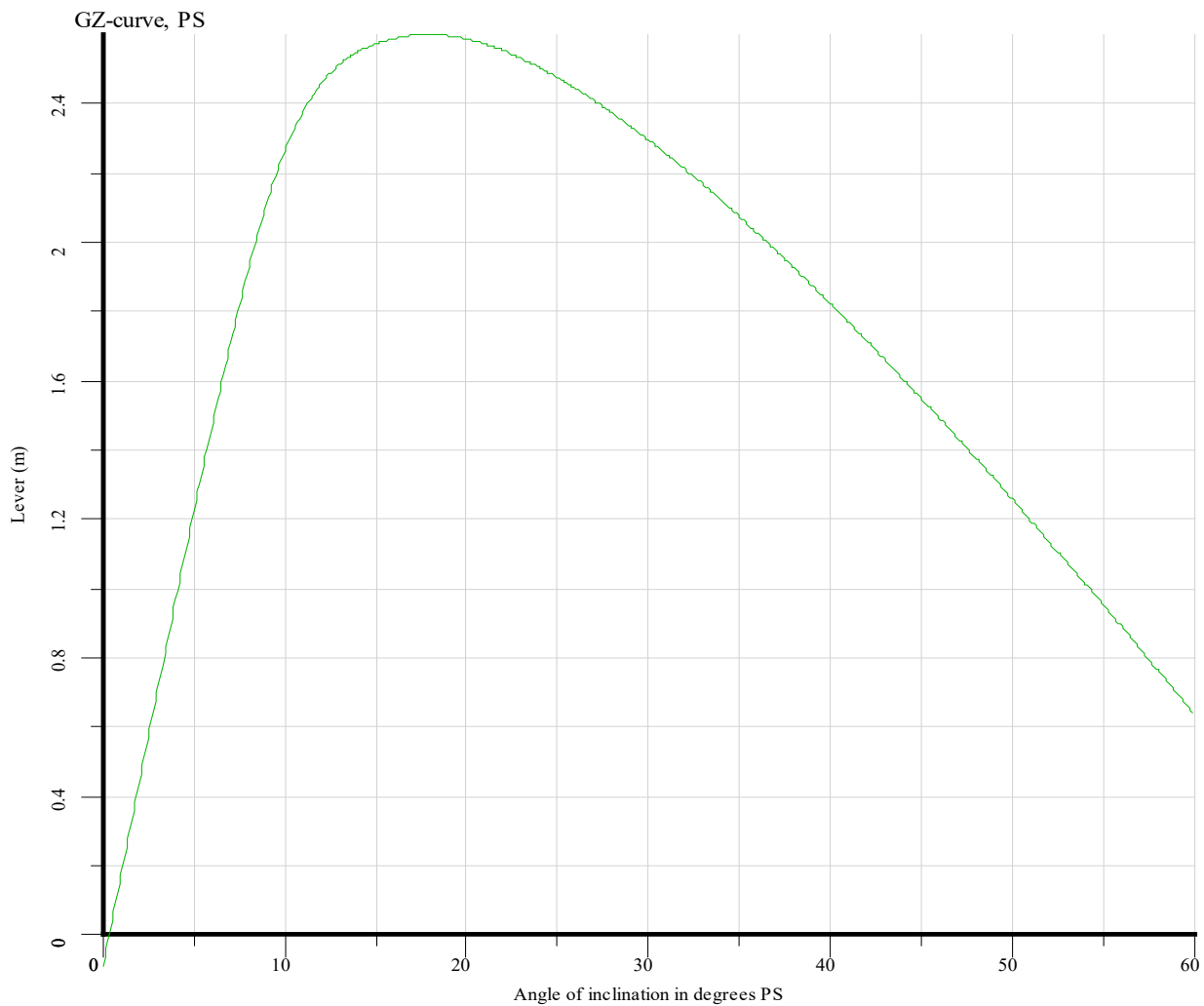
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9383	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9644	meter
This damage case complies with the stated criteria				

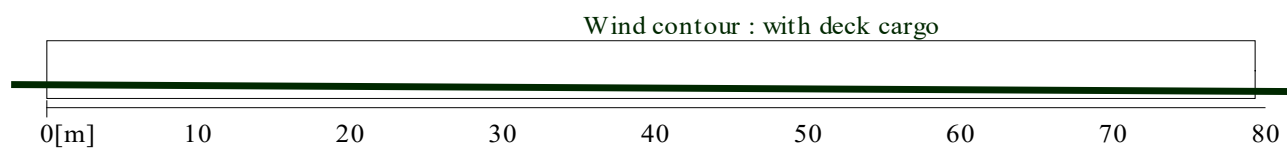
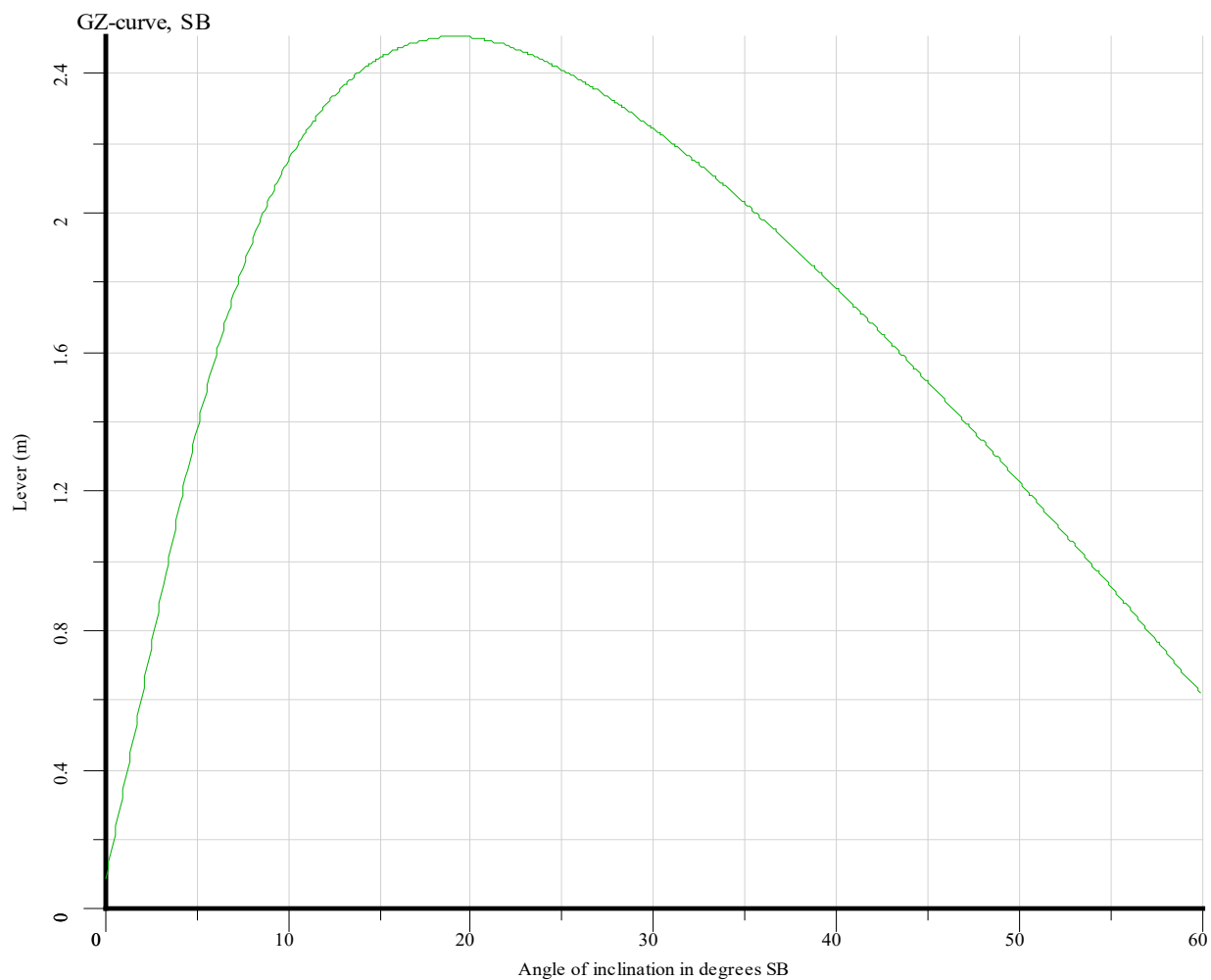


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

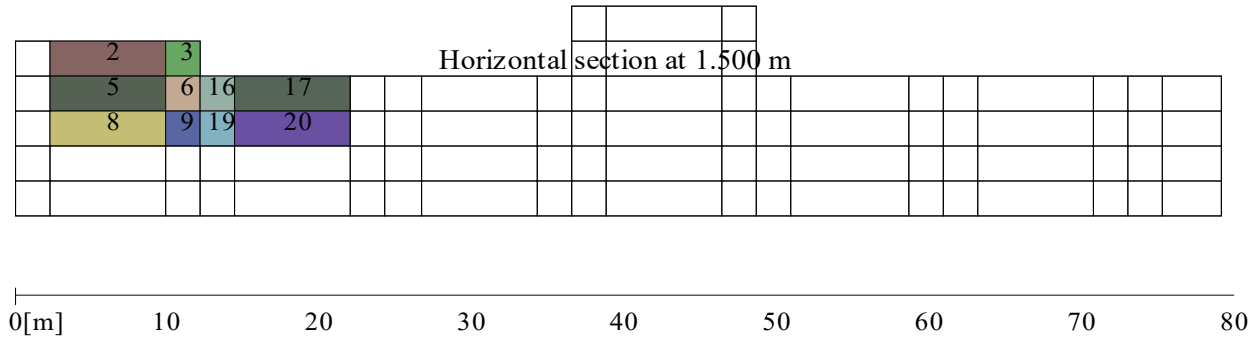


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.498 m
Marginline	mid aft SB	-1.133 m
Marginline	mid fore SB	-1.011 m
Marginline	aft PS	-0.780 m
Marginline	fore SB	-0.706 m
Marginline	mid aft PS	-0.271 m
Marginline	mid fore PS	-0.149 m
Marginline	fore PS	-0.131 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.498 m
Marginline	mid aft SB	-1.133 m
Marginline	mid fore SB	-1.011 m
Marginline	aft PS	-0.780 m
Marginline	fore SB	-0.706 m
Marginline	mid aft PS	-0.271 m
Marginline	mid fore PS	-0.149 m
Marginline	fore PS	-0.131 m

Damaged compartments and intact compartment weights (at 3.38° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	19.038	1.0000
3 A A	0.000	1.0000	5.430	1.0000
4 A	0.000	1.0000	21.571	1.0000
4 A A	0.000	1.0000	6.189	1.0000
5 A	0.000	1.0000	24.126	1.0000
5 A A	6.300	1.0000	6.943	1.0000
7	0.000	1.0000	5.346	1.0000
7 A	0.000	1.0000	16.883	1.0000
8	0.000	1.0000	6.112	1.0000
8 A	0.000	1.0000	19.426	1.0000
9	0.000	1.0000	6.868	1.0000
9 A	0.000	1.0000	21.929	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	513.653	-3.731	2.094	-1.021	2.585
50.00	PS	513.940	-2.256	1.432	-1.748	2.342
40.00	PS	515.739	-1.286	0.970	-2.408	1.978
35.00	PS	517.594	-0.901	0.776	-2.701	1.755
30.00	PS	520.420	-0.559	0.597	-2.958	1.508
25.00	PS	524.641	-0.249	0.432	-3.165	1.240
20.00	PS	531.255	0.034	0.280	-3.299	0.957
15.00	PS	541.958	0.282	0.110	-3.323	0.668
10.00	PS	562.766	0.493	-0.105	-3.082	0.384
5.00	PS	602.158	0.632	-0.339	-2.091	0.154
2.00	PS	627.760	0.697	-0.502	-1.347	0.064
0.00		644.932	0.741	-0.612	-0.852	0.025
2.00	SB	661.778	0.784	-0.720	-0.355	0.004
3.38	SB	673.531	0.814	-0.795	0.000	0.000
5.00	SB	687.351	0.849	-0.884	0.392	0.006
10.00	SB	725.331	0.916	-1.241	1.229	0.080
15.00	SB	746.583	0.947	-1.823	1.591	0.206
20.00	SB	758.343	0.970	-2.527	1.653	0.349
25.00	SB	765.601	0.990	-3.305	1.581	0.491
30.00	SB	770.381	1.009	-4.157	1.443	0.623
35.00	SB	773.684	1.028	-5.099	1.268	0.742
40.00	SB	776.018	1.048	-6.161	1.068	0.844
50.00	SB	778.849	1.093	-8.833	0.624	0.992
60.00	SB	780.347	1.157	-12.899	0.146	1.060

Statical angle of inclination is 3.38 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

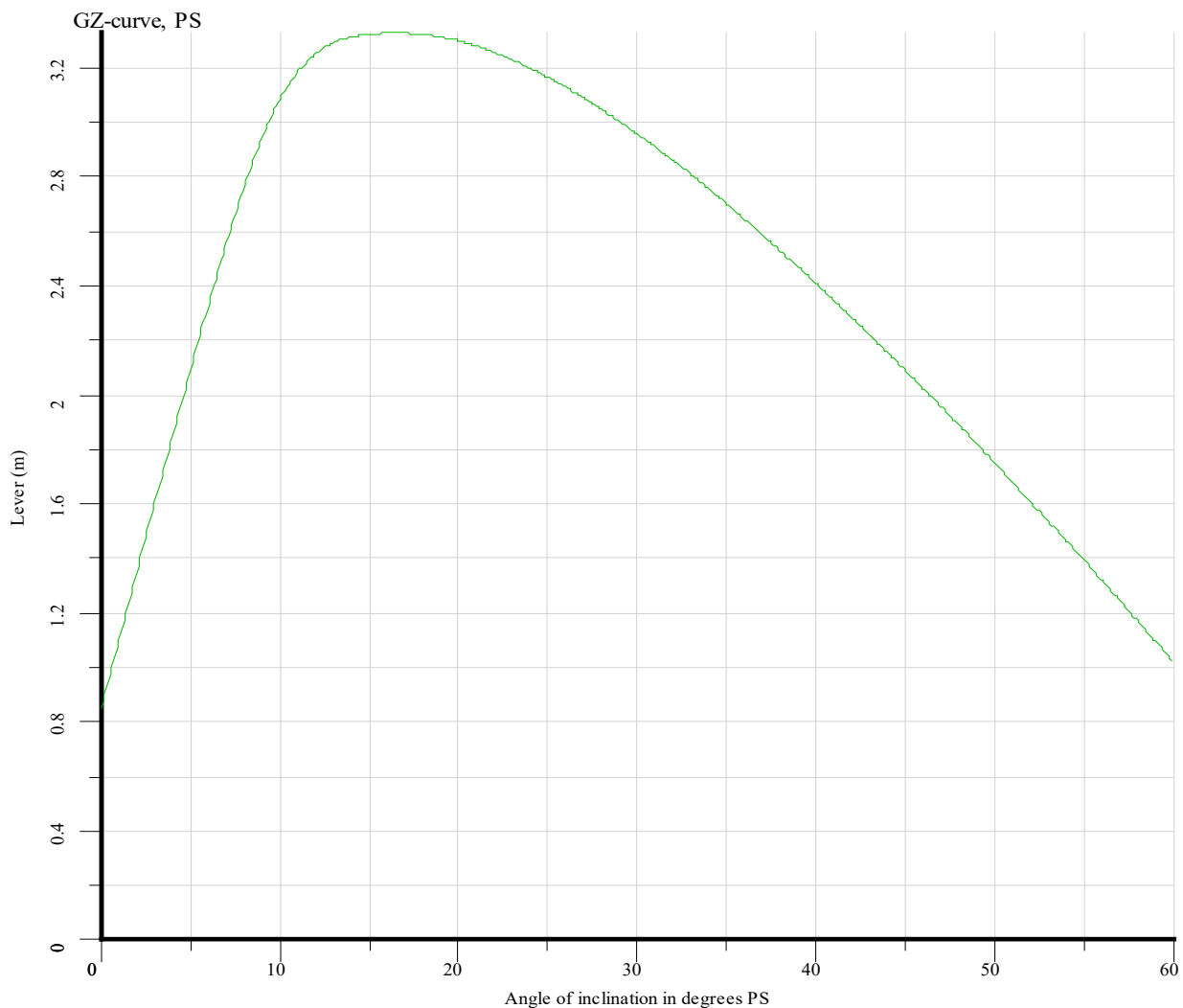
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.4916	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.4651	meter
This damage case complies with the stated criteria				



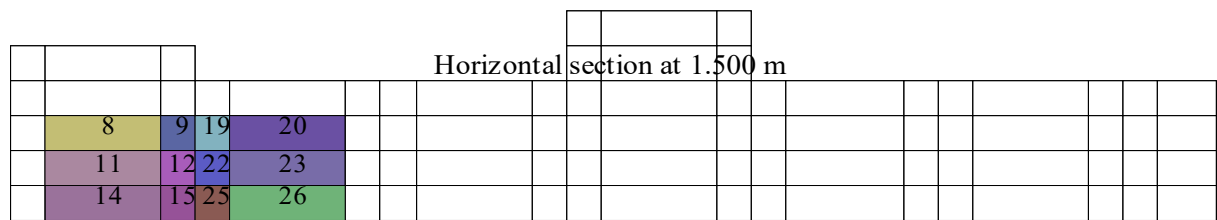
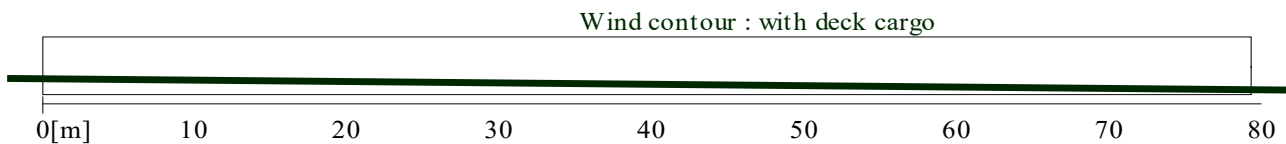
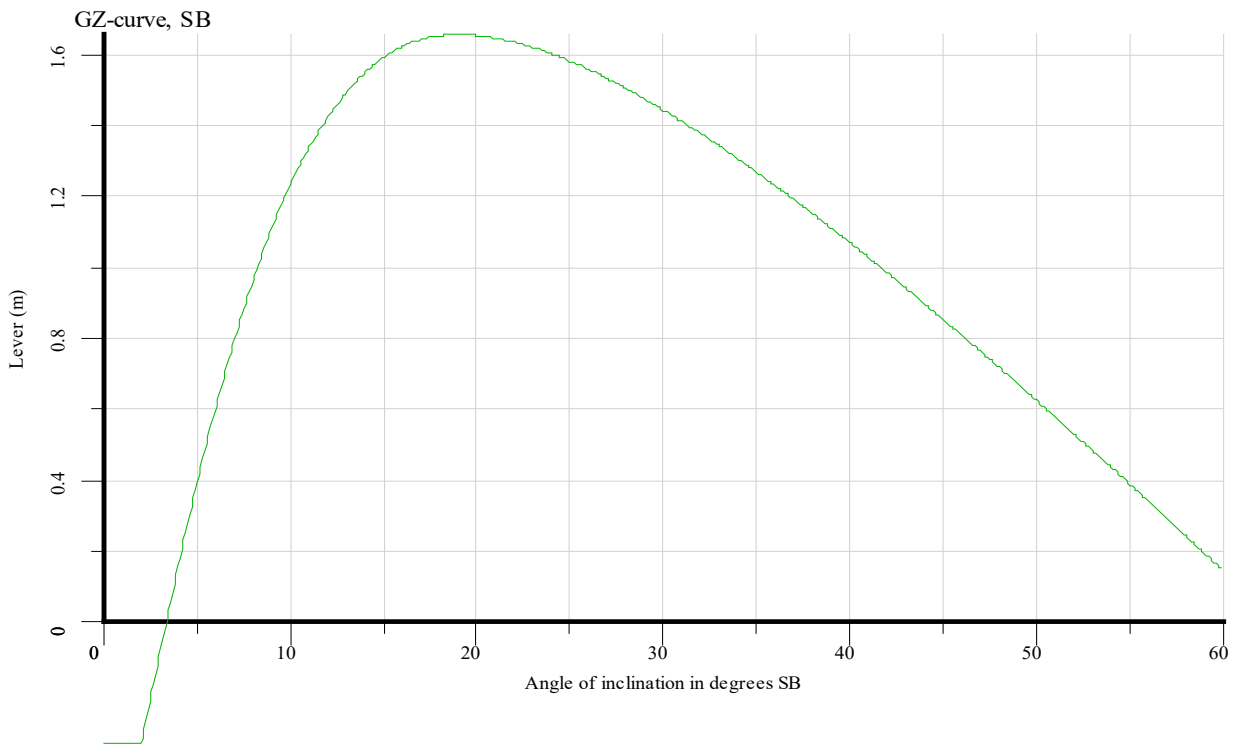
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



0[m] 10 20 30 40 50 60 70 80

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.236 m
Marginline	mid aft SB	-1.018 m
Marginline	mid fore SB	-0.946 m
Marginline	fore SB	-0.763 m
Marginline	aft PS	-0.585 m
Marginline	fore PS	-0.242 m
Marginline	mid aft PS	-0.236 m
Marginline	mid fore PS	-0.163 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft SB	-1.236 m
Marginline	mid aft SB	-1.018 m
Marginline	mid fore SB	-0.946 m
Marginline	fore SB	-0.763 m
Marginline	aft PS	-0.585 m
Marginline	fore PS	-0.242 m
Marginline	mid aft PS	-0.236 m
Marginline	mid fore PS	-0.163 m

Damaged compartments and intact compartment weights (at 3.06° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	17.738	1.0000
4 A A	0.000	1.0000	5.146	1.0000
5 A	0.000	1.0000	20.013	1.0000
5 A A	6.300	1.0000	5.828	1.0000
8	0.000	1.0000	5.109	1.0000
8 A	0.000	1.0000	16.447	1.0000
9	0.000	1.0000	5.798	1.0000
9 A	0.000	1.0000	18.742	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	513.670	-3.731	2.092	-1.021	2.547
50.00	PS	513.664	-2.259	1.438	-1.748	2.304
40.00	PS	513.670	-1.297	1.014	-2.404	1.941
35.00	PS	513.667	-0.919	0.846	-2.692	1.718
30.00	PS	513.682	-0.584	0.697	-2.942	1.472
25.00	PS	513.672	-0.282	0.566	-3.138	1.206
20.00	PS	513.685	-0.010	0.456	-3.255	0.927
15.00	PS	514.151	0.229	0.330	-3.247	0.642
10.00	PS	521.602	0.435	0.144	-2.987	0.366
5.00	PS	549.442	0.574	-0.084	-2.024	0.143
2.00	PS	571.469	0.635	-0.230	-1.274	0.057
0.00		586.172	0.676	-0.327	-0.775	0.021
2.00	SB	600.728	0.717	-0.424	-0.275	0.003
3.06	SB	608.515	0.738	-0.475	0.000	0.000
5.00	SB	622.687	0.777	-0.570	0.469	0.008
10.00	SB	657.282	0.834	-0.872	1.303	0.089
15.00	SB	678.169	0.834	-1.305	1.683	0.222
20.00	SB	687.334	0.808	-1.816	1.754	0.374
25.00	SB	691.786	0.772	-2.370	1.686	0.525
30.00	SB	693.846	0.727	-2.961	1.549	0.666
35.00	SB	694.760	0.676	-3.605	1.372	0.794
40.00	SB	695.175	0.615	-4.328	1.168	0.905
50.00	SB	695.403	0.460	-6.152	0.711	1.070
60.00	SB	695.409	0.219	-8.941	0.214	1.151

Statical angle of inclination is 3.06 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

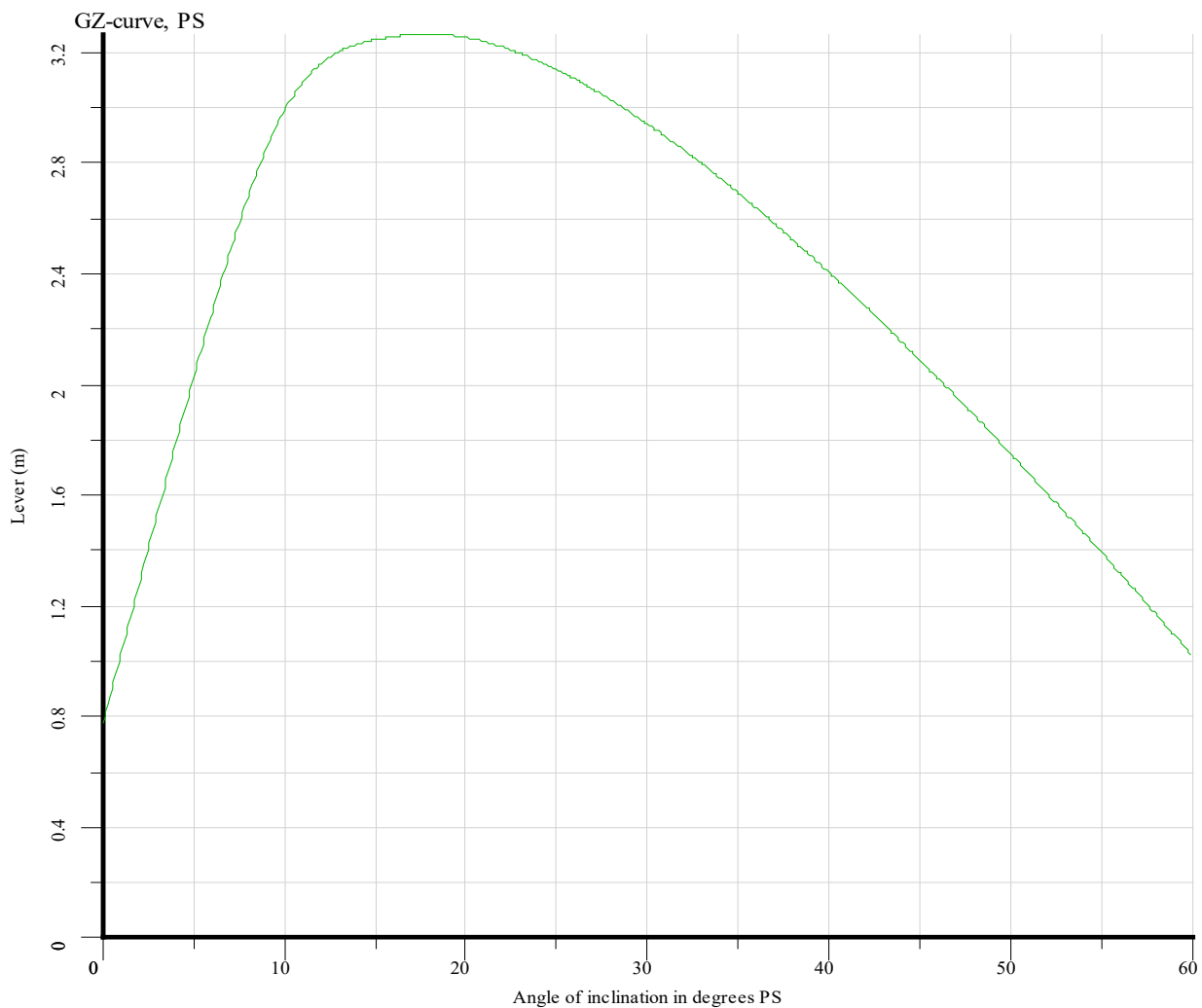
19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7539	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7279	meter
This damage case complies with the stated criteria				

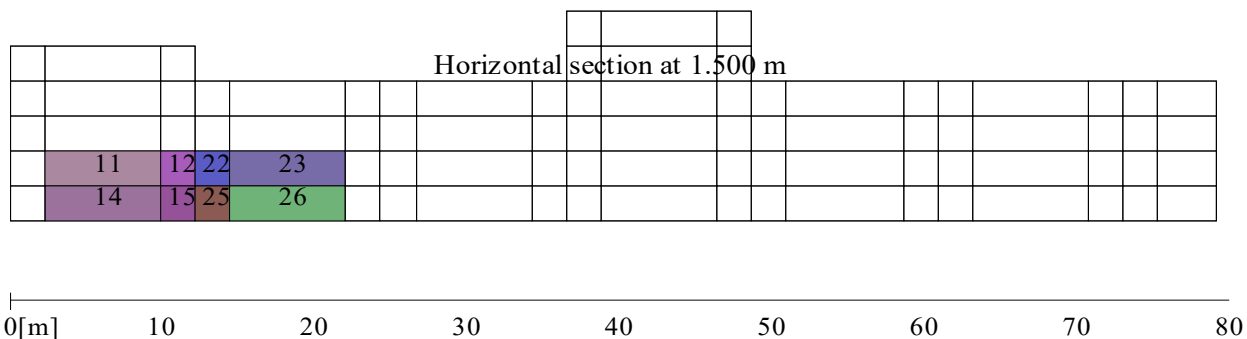
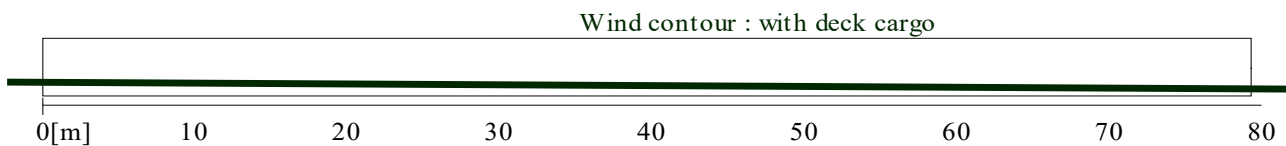
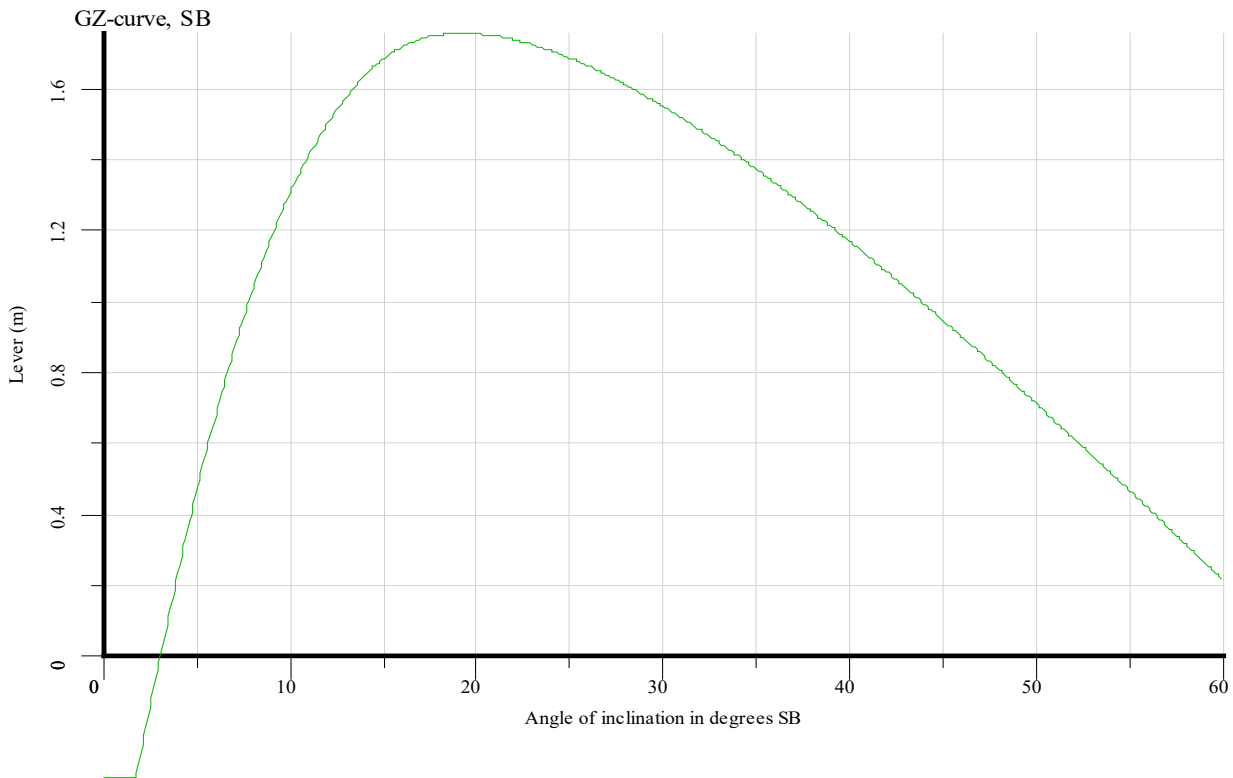


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:23

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.844 m
Marginline	mid aft PS	-0.842 m
Marginline	aft PS	-0.795 m
Marginline	fore PS	-0.763 m
Marginline	fore SB	-0.593 m
Marginline	mid fore SB	-0.589 m
Marginline	mid aft SB	-0.587 m
Marginline	aft SB	-0.583 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.844 m
Marginline	mid aft PS	-0.842 m
Marginline	aft PS	-0.795 m
Marginline	fore PS	-0.763 m
Marginline	fore SB	-0.593 m
Marginline	mid fore SB	-0.589 m
Marginline	mid aft SB	-0.587 m
Marginline	aft SB	-0.583 m

Damaged compartments and intact compartment weights (at 1.00^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	12.984	1.0000
10 A A	0.000	1.0000	3.885	1.0000
14	0.000	1.0000	4.331	1.0000
14 A	0.000	1.0000	14.397	1.0000
15	0.000	1.0000	4.137	1.0000
15 A	0.000	1.0000	13.752	1.0000
16	0.000	1.0000	3.914	1.0000
16 A	0.000	1.0000	13.012	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	701.472	-1.658	1.619	-0.475	1.572
50.00	PS	701.489	-0.832	1.112	-1.045	1.439
40.00	PS	700.665	-0.297	0.787	-1.569	1.210
35.00	PS	699.417	-0.090	0.660	-1.802	1.063
30.00	PS	697.348	0.092	0.548	-2.006	0.896
25.00	PS	694.055	0.255	0.448	-2.168	0.714
20.00	PS	688.697	0.404	0.356	-2.253	0.520
15.00	PS	679.586	0.540	0.275	-2.181	0.325
10.00	PS	663.080	0.638	0.167	-1.801	0.148
5.00	PS	624.664	0.663	0.071	-0.847	0.029
2.00	PS	598.937	0.670	0.025	-0.211	0.002
1.00	PS	590.416	0.673	0.010	0.000	0.000
0.00		581.903	0.675	-0.006	0.211	0.002
2.00	SB	564.758	0.680	-0.036	0.633	0.017
5.00	SB	540.489	0.686	-0.082	1.259	0.066
10.00	SB	523.052	0.665	-0.123	2.034	0.213
15.00	SB	519.976	0.568	-0.149	2.373	0.408
20.00	SB	519.970	0.421	-0.191	2.475	0.621
25.00	SB	519.970	0.261	-0.245	2.400	0.835
30.00	SB	519.964	0.088	-0.303	2.238	1.037
35.00	SB	519.973	-0.104	-0.368	2.026	1.224
40.00	SB	519.956	-0.322	-0.441	1.781	1.390
50.00	SB	519.964	-0.873	-0.626	1.225	1.653
60.00	SB	519.970	-1.717	-0.912	0.615	1.815

Statical angle of inclination is 1.00 degrees to portside

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 3

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

1.1155

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

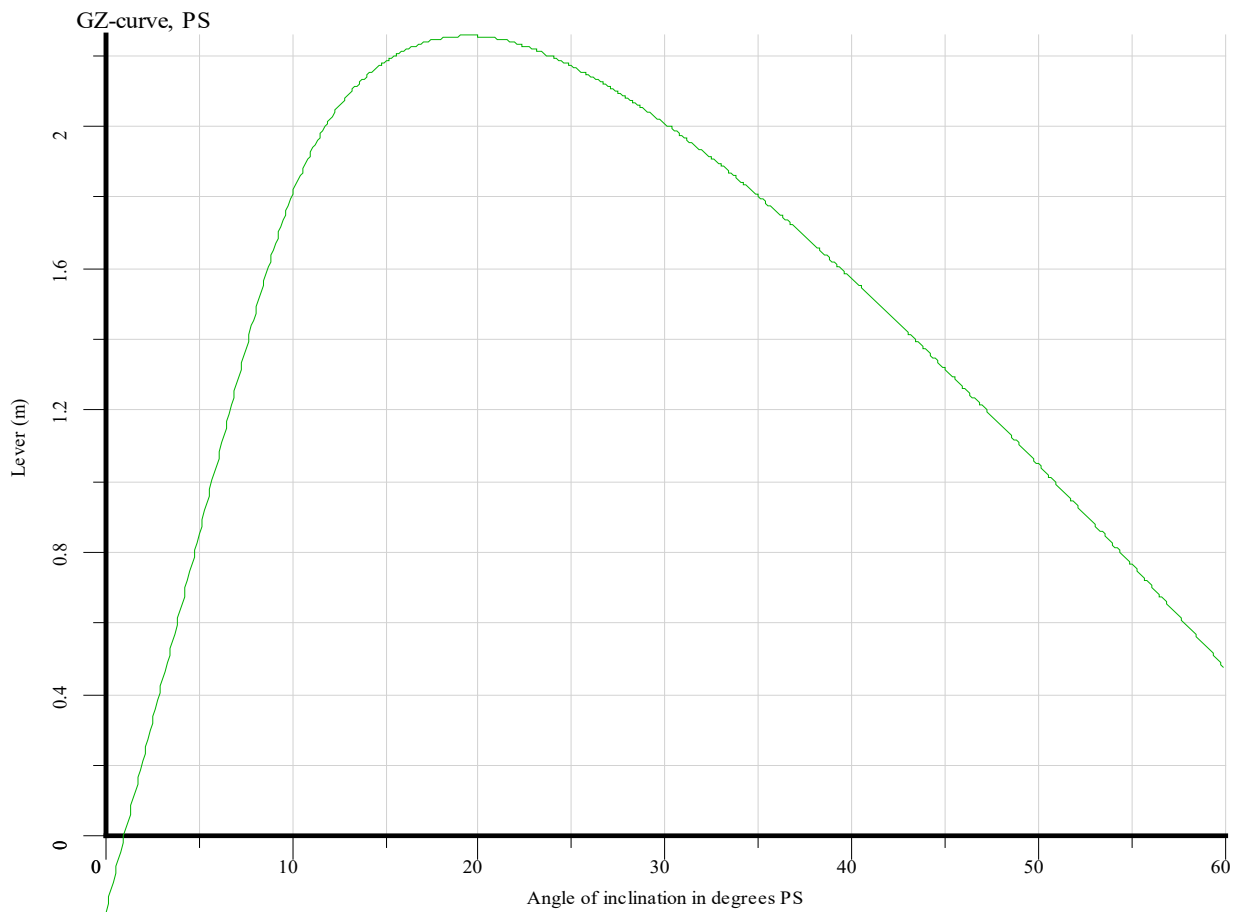
0.1000

Value

1.1565

meter

This damage case complies with the stated criteria

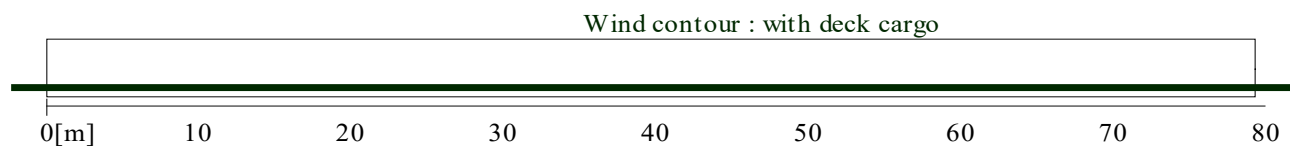
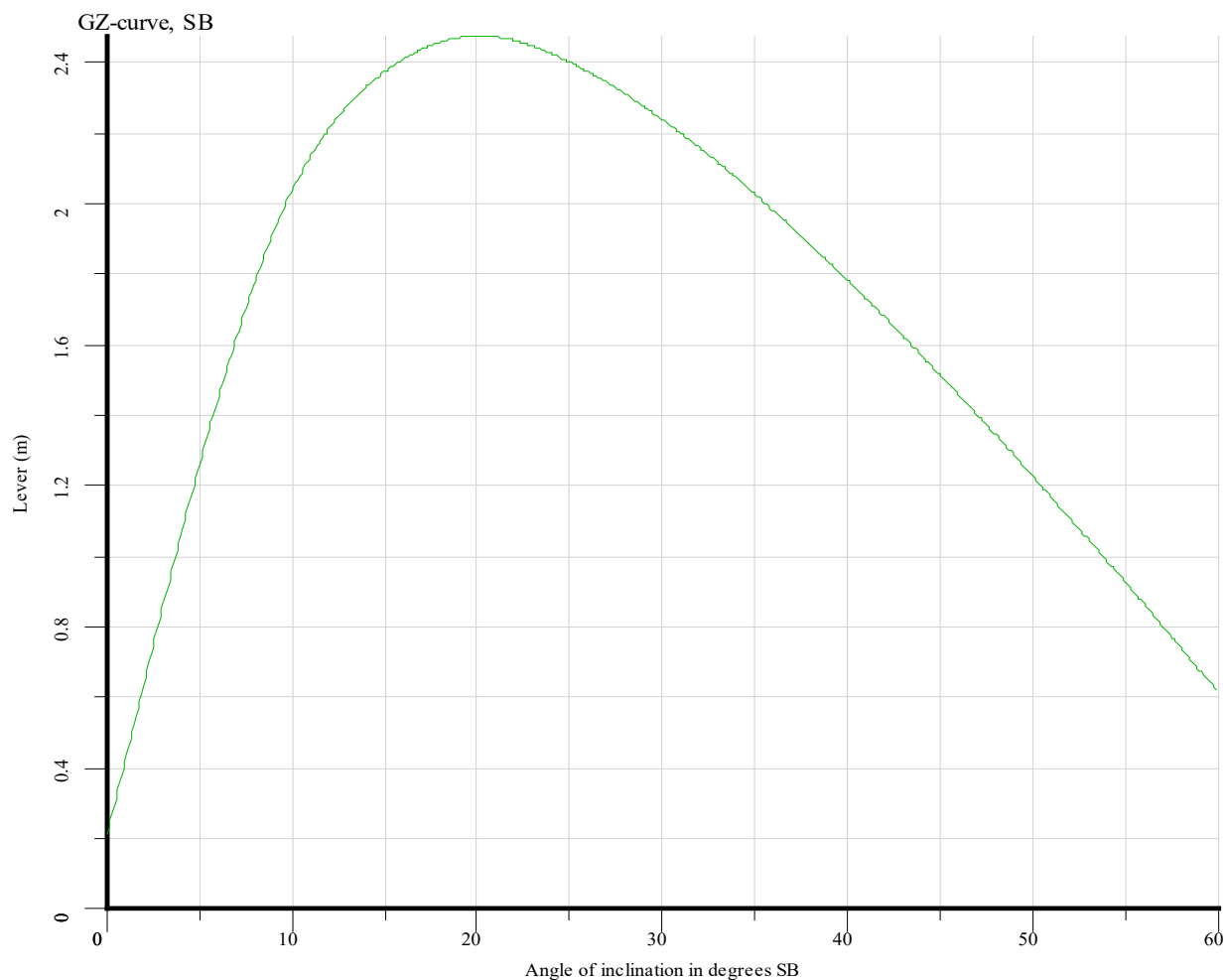


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

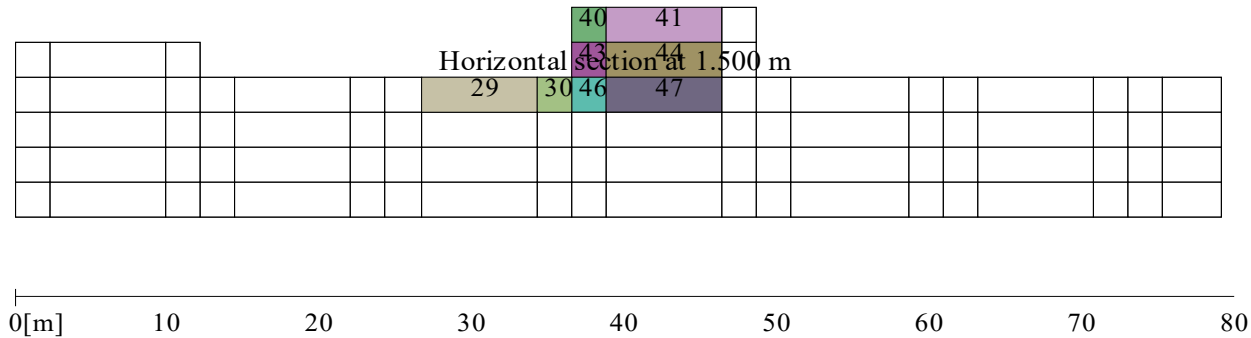


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.717 m
Marginline	mid aft PS	-0.709 m
Marginline	mid fore PS	-0.705 m
Marginline	aft SB	-0.702 m
Marginline	mid aft SB	-0.690 m
Marginline	fore PS	-0.689 m
Marginline	mid fore SB	-0.686 m
Marginline	fore SB	-0.677 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.717 m
Marginline	mid aft PS	-0.709 m
Marginline	mid fore PS	-0.705 m
Marginline	aft SB	-0.702 m
Marginline	mid aft SB	-0.690 m
Marginline	fore PS	-0.689 m
Marginline	mid fore SB	-0.686 m
Marginline	fore SB	-0.677 m

Damaged compartments and intact compartment weights (at 0.07° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	12.410	1.0000
10 A A	0.000	1.0000	3.702	1.0000
11 A	0.000	1.0000	12.350	1.0000
11 A A	0.000	1.0000	3.684	1.0000
15	0.000	1.0000	3.739	1.0000
15 A	0.000	1.0000	12.393	1.0000
16	0.000	1.0000	3.724	1.0000
16 A	0.000	1.0000	12.343	1.0000
17	0.000	1.0000	3.706	1.0000
17 A	0.000	1.0000	12.282	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	685.234	-1.837	1.347	-0.778	2.080
50.00	PS	685.227	-0.956	0.927	-1.439	1.886
40.00	PS	685.234	-0.380	0.653	-2.042	1.581
35.00	PS	685.234	-0.153	0.545	-2.311	1.391
30.00	PS	685.197	0.047	0.449	-2.549	1.179
25.00	PS	684.033	0.225	0.364	-2.739	0.948
20.00	PS	680.462	0.385	0.287	-2.848	0.703
15.00	PS	672.741	0.528	0.222	-2.795	0.455
10.00	PS	655.795	0.628	0.125	-2.437	0.223
5.00	PS	628.222	0.667	0.041	-1.295	0.056
2.00	PS	611.190	0.684	0.001	-0.505	0.008
0.07	PS	600.351	0.695	-0.025	0.000	0.000
0.00		599.935	0.696	-0.026	0.019	0.000
2.00	SB	588.562	0.707	-0.052	0.544	0.010
5.00	SB	571.344	0.723	-0.093	1.313	0.059
10.00	SB	546.441	0.699	-0.136	2.109	0.213
15.00	SB	532.466	0.590	-0.158	2.426	0.413
20.00	SB	524.988	0.433	-0.197	2.496	0.629
25.00	SB	521.505	0.266	-0.248	2.406	0.844
30.00	SB	520.141	0.088	-0.304	2.238	1.047
35.00	SB	519.970	-0.104	-0.368	2.026	1.233
40.00	SB	519.970	-0.322	-0.441	1.781	1.400
50.00	SB	519.982	-0.873	-0.627	1.225	1.663
60.00	SB	519.941	-1.718	-0.910	0.615	1.824

Statical angle of inclination is 0.07 degrees to portside

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

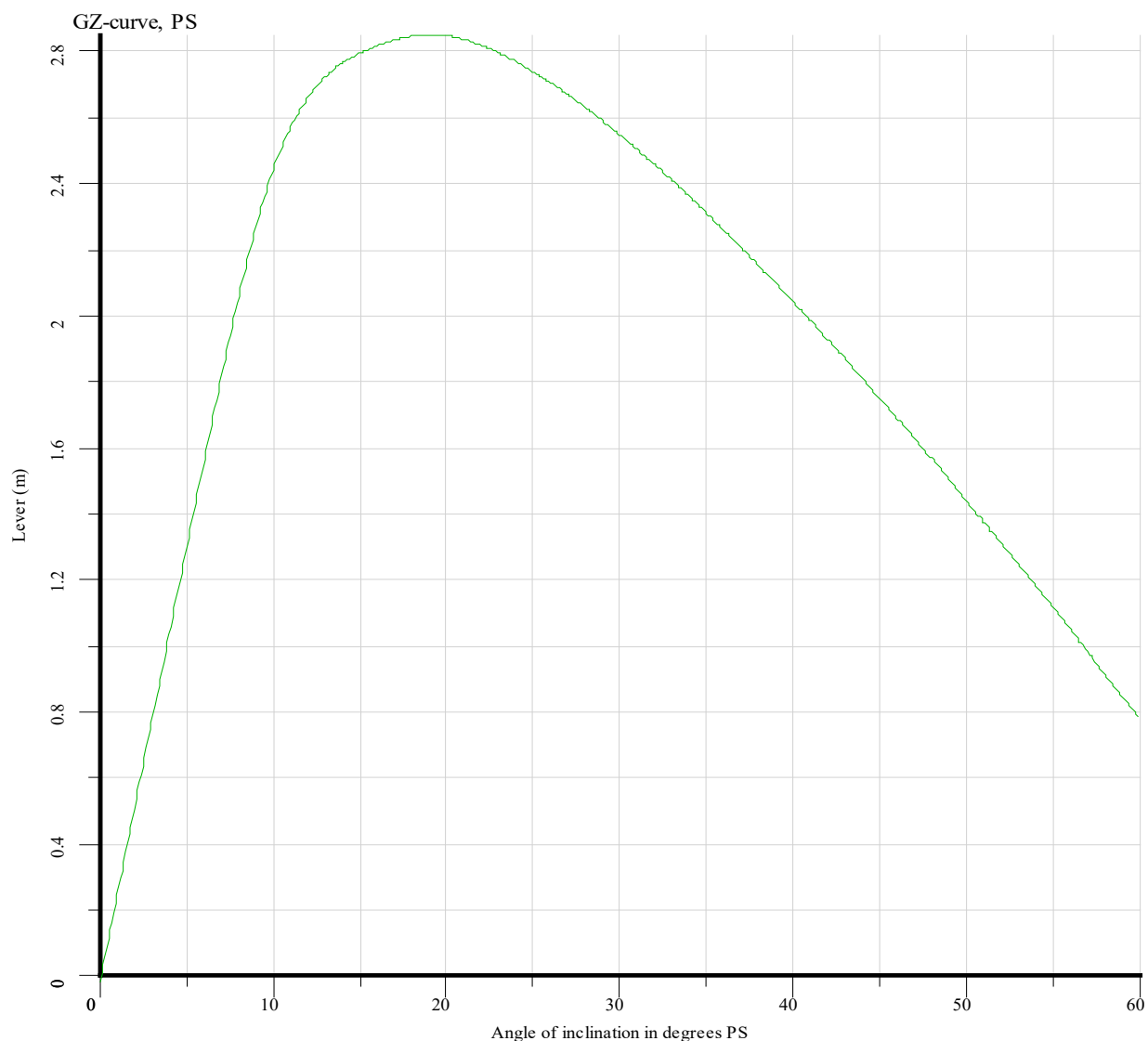
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.2516	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.2690	meter
This damage case complies with the stated criteria				

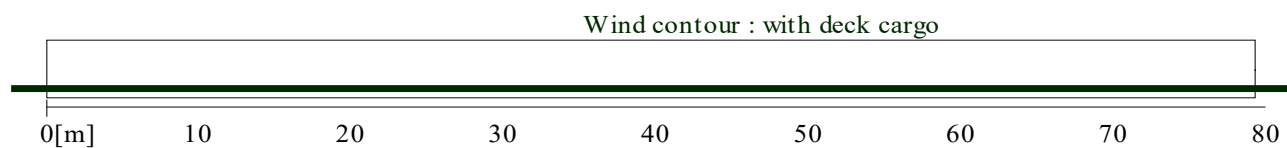
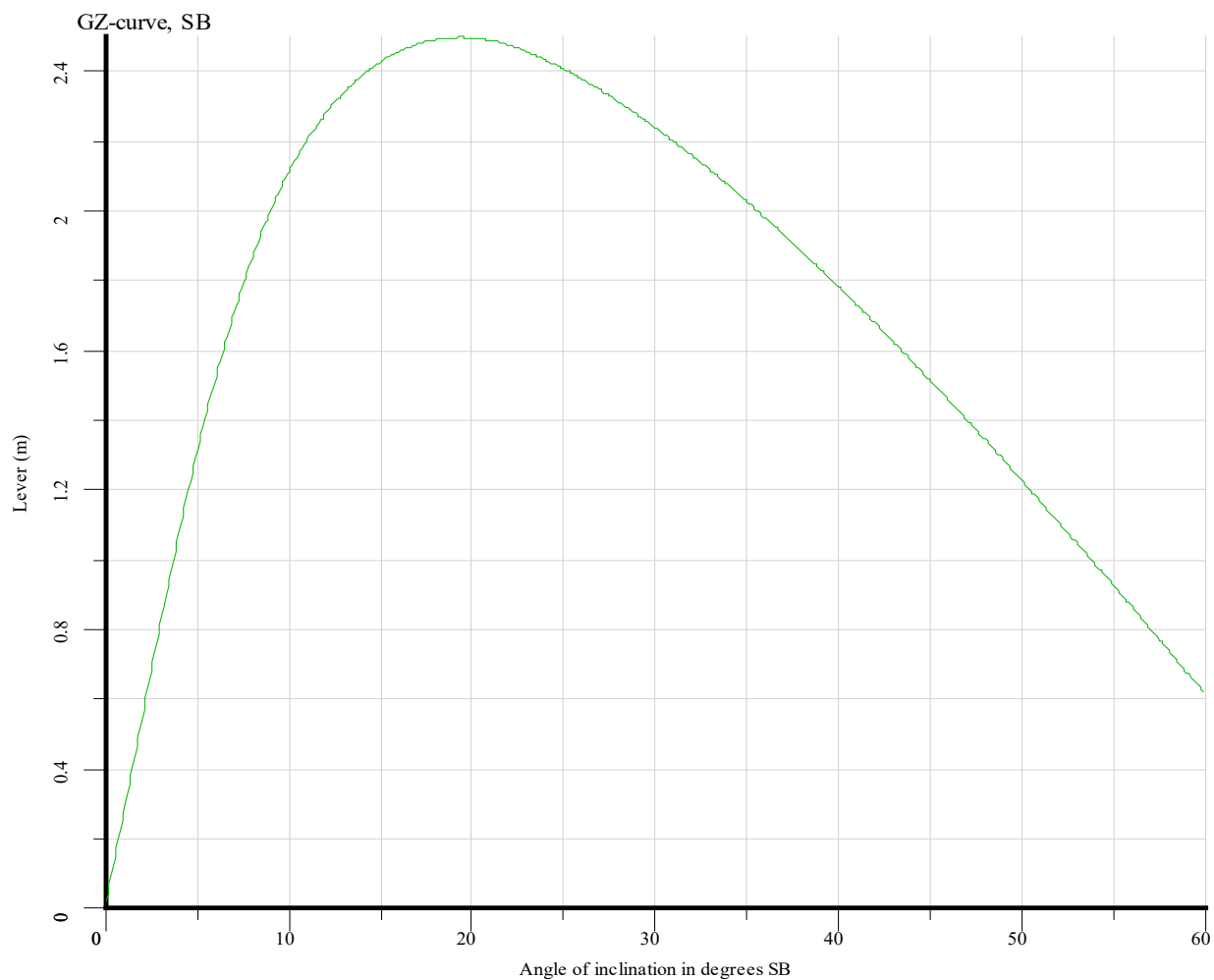


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

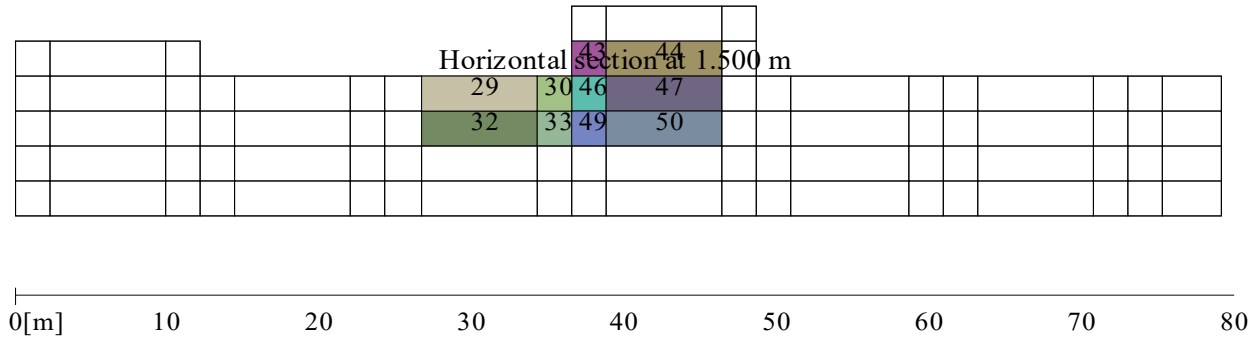


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.871 m
Marginline	mid aft PS	-0.855 m
Marginline	fore PS	-0.818 m
Marginline	aft PS	-0.761 m
Marginline	fore SB	-0.635 m
Marginline	mid fore SB	-0.595 m
Marginline	mid aft SB	-0.579 m
Marginline	aft SB	-0.531 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.871 m
Marginline	mid aft PS	-0.855 m
Marginline	fore PS	-0.818 m
Marginline	aft PS	-0.761 m
Marginline	fore SB	-0.635 m
Marginline	mid fore SB	-0.595 m
Marginline	mid aft SB	-0.579 m
Marginline	aft SB	-0.531 m

Damaged compartments and intact compartment weights (at 1.08° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	14.705	1.0000
14 A A	0.000	1.0000	4.429	1.0000
15 A	0.000	1.0000	14.004	1.0000
15 A A	0.000	1.0000	4.221	1.0000
16 A	0.000	1.0000	13.202	1.0000
16 A A	0.000	1.0000	3.981	1.0000
20	0.000	1.0000	4.024	1.0000
20 A	0.000	1.0000	13.480	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	701.323	-1.660	3.815	-0.450	1.531
50.00	PS	701.362	-0.833	2.624	-1.014	1.403
40.00	PS	701.202	-0.294	1.848	-1.530	1.180
35.00	PS	700.727	-0.084	1.541	-1.759	1.036
30.00	PS	699.450	0.100	1.265	-1.959	0.874
25.00	PS	696.893	0.263	1.012	-2.117	0.695
20.00	PS	692.211	0.412	0.776	-2.199	0.506
15.00	PS	683.227	0.545	0.563	-2.133	0.316
10.00	PS	665.801	0.642	0.359	-1.748	0.143
5.00	PS	626.471	0.667	0.198	-0.821	0.028
2.00	PS	600.085	0.673	0.125	-0.192	0.002
1.08	PS	592.045	0.675	0.103	0.000	0.000
0.00		582.596	0.677	0.077	0.225	0.002
2.00	SB	565.027	0.681	0.029	0.642	0.017
5.00	SB	540.111	0.686	-0.044	1.262	0.067
10.00	SB	522.593	0.665	-0.115	2.031	0.214
15.00	SB	519.976	0.568	-0.149	2.373	0.409
20.00	SB	519.967	0.421	-0.191	2.475	0.622
25.00	SB	519.970	0.261	-0.245	2.400	0.835
30.00	SB	519.978	0.088	-0.304	2.238	1.038
35.00	SB	519.963	-0.104	-0.368	2.026	1.224
40.00	SB	519.986	-0.321	-0.442	1.781	1.391
50.00	SB	519.970	-0.873	-0.626	1.225	1.654
60.00	SB	519.970	-1.717	-0.911	0.615	1.815

Statical angle of inclination is 1.08 degrees to portside

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

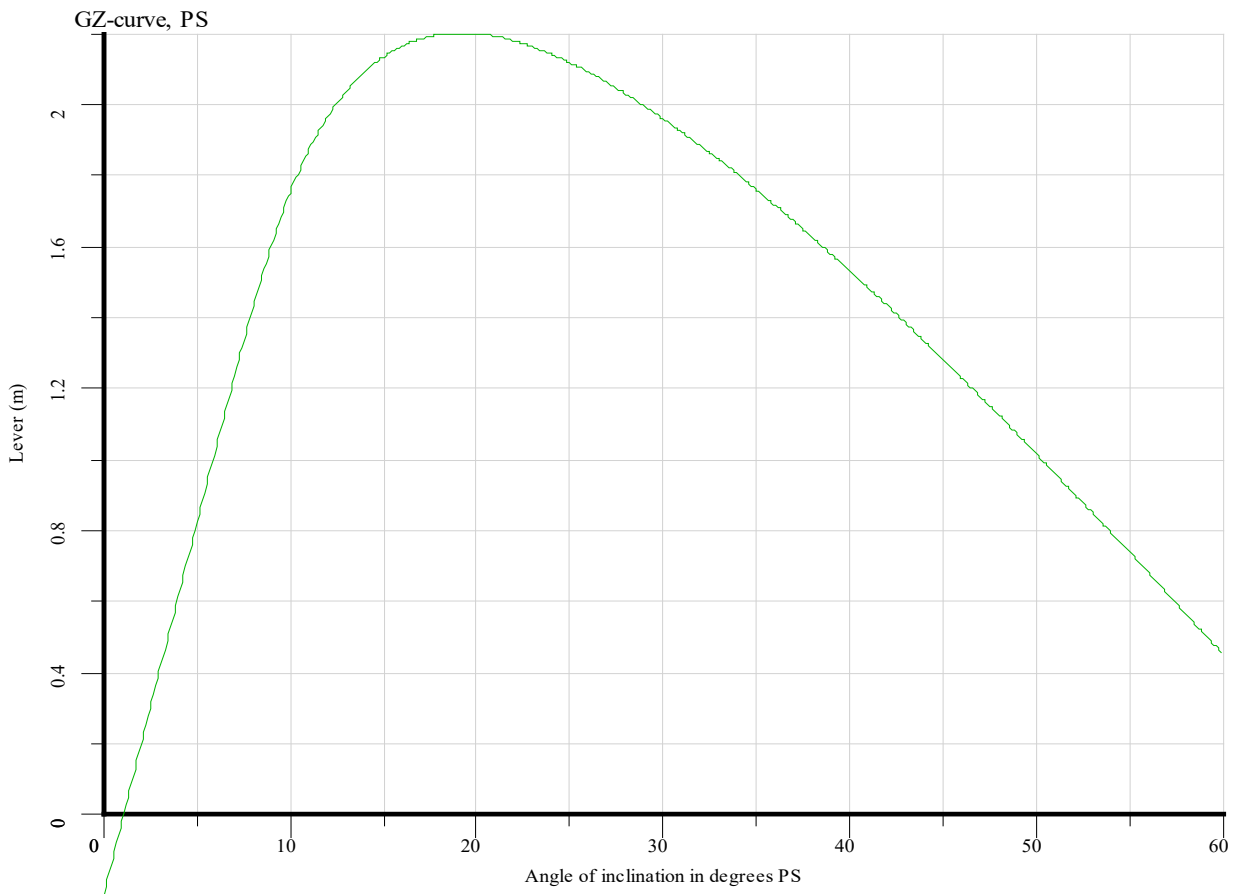
Criterion	Value	
0.1000	1.0886	meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion	Value	
0.1000	1.1303	meter

This damage case complies with the stated criteria

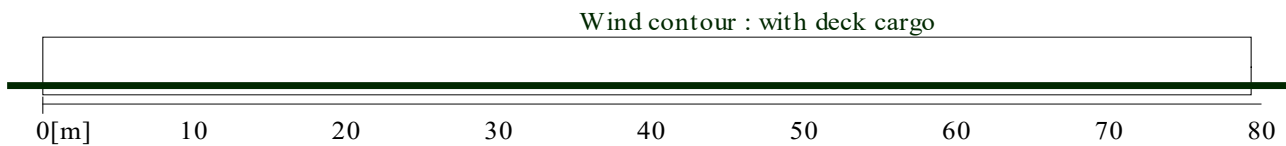
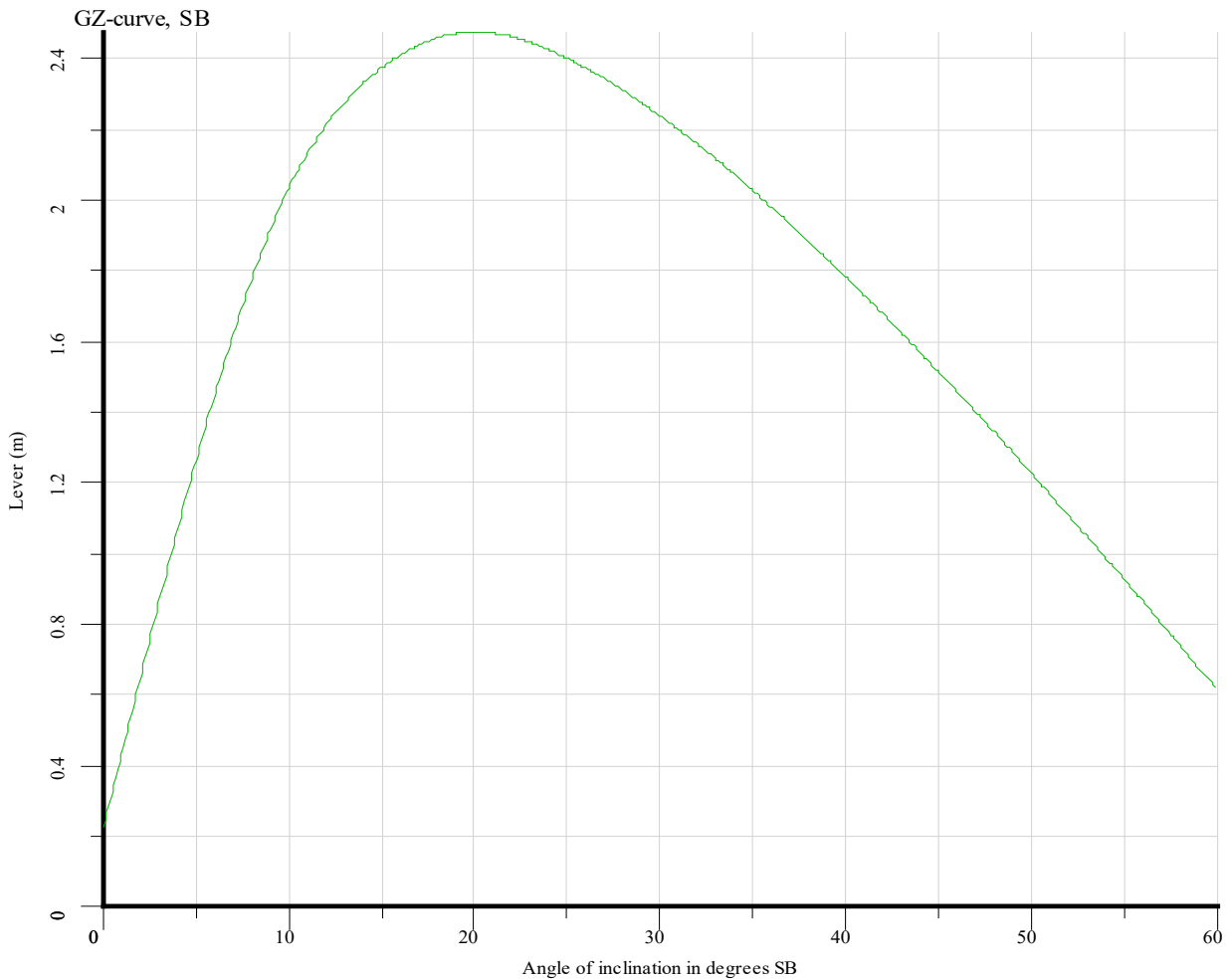


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

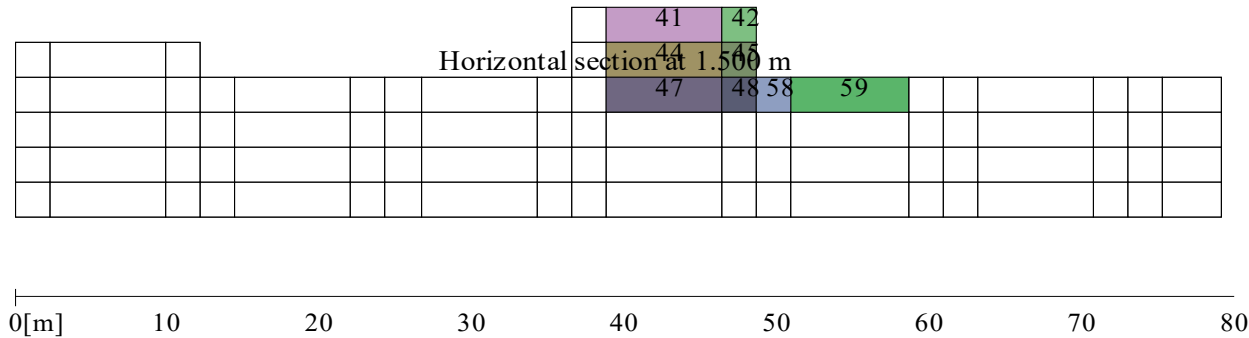


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-0.778 m
Marginline	fore SB	-0.750 m
Marginline	mid fore PS	-0.742 m
Marginline	mid aft PS	-0.722 m
Marginline	mid fore SB	-0.700 m
Marginline	mid aft SB	-0.680 m
Marginline	aft PS	-0.655 m
Marginline	aft SB	-0.620 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-0.778 m
Marginline	fore SB	-0.750 m
Marginline	mid fore PS	-0.742 m
Marginline	mid aft PS	-0.722 m
Marginline	mid fore SB	-0.700 m
Marginline	mid aft SB	-0.680 m
Marginline	aft PS	-0.655 m
Marginline	aft SB	-0.620 m

Damaged compartments and intact compartment weights (at 0.16° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	12.728	1.0000
15 A A	0.000	1.0000	3.848	1.0000
16 A	0.000	1.0000	12.612	1.0000
16 A A	0.000	1.0000	3.813	1.0000
17 A	0.000	1.0000	12.483	1.0000
17 A A	0.000	1.0000	3.774	1.0000
20	0.000	1.0000	3.859	1.0000
20 A	0.000	1.0000	12.963	1.0000
21	0.000	1.0000	3.821	1.0000
21 A	0.000	1.0000	12.834	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	700.405	-1.670	4.238	-0.747	2.027
50.00	PS	700.404	-0.840	2.916	-1.399	1.839
40.00	PS	700.329	-0.299	2.052	-1.994	1.542
35.00	PS	699.903	-0.088	1.709	-2.259	1.356
30.00	PS	698.642	0.097	1.401	-2.491	1.149
25.00	PS	695.946	0.261	1.119	-2.675	0.923
20.00	PS	690.990	0.409	0.857	-2.780	0.684
15.00	PS	681.389	0.541	0.621	-2.733	0.442
10.00	PS	661.828	0.637	0.399	-2.364	0.215
5.00	PS	631.851	0.674	0.237	-1.261	0.053
2.00	PS	613.745	0.689	0.170	-0.477	0.008
0.16	PS	602.732	0.699	0.130	0.000	0.000
0.00		601.745	0.700	0.126	0.043	0.000
2.00	SB	589.688	0.710	0.082	0.562	0.011
5.00	SB	571.412	0.724	0.014	1.326	0.061
10.00	SB	545.381	0.698	-0.068	2.106	0.215
15.00	SB	531.594	0.589	-0.119	2.423	0.415
20.00	SB	524.336	0.431	-0.178	2.493	0.631
25.00	SB	521.107	0.265	-0.241	2.404	0.845
30.00	SB	520.023	0.088	-0.303	2.238	1.048
35.00	SB	519.970	-0.104	-0.368	2.026	1.235
40.00	SB	519.970	-0.322	-0.441	1.781	1.401
50.00	SB	519.970	-0.873	-0.627	1.225	1.664
60.00	SB	519.925	-1.718	-0.908	0.615	1.825

Statical angle of inclination is 0.16 degrees to portside

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

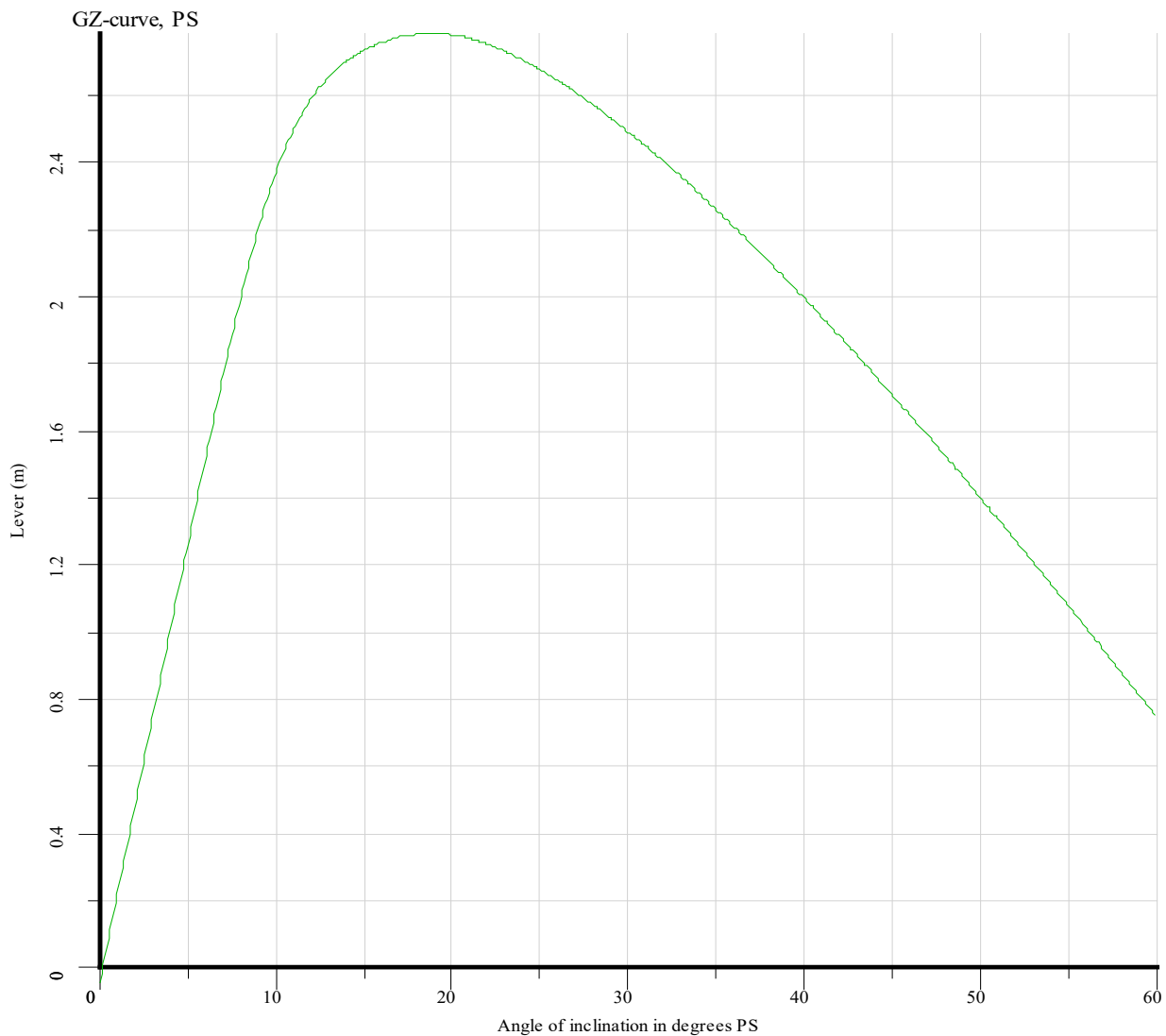
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1934	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.2113	meter
This damage case complies with the stated criteria				

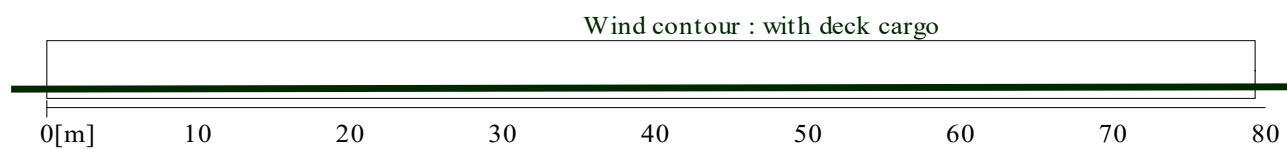
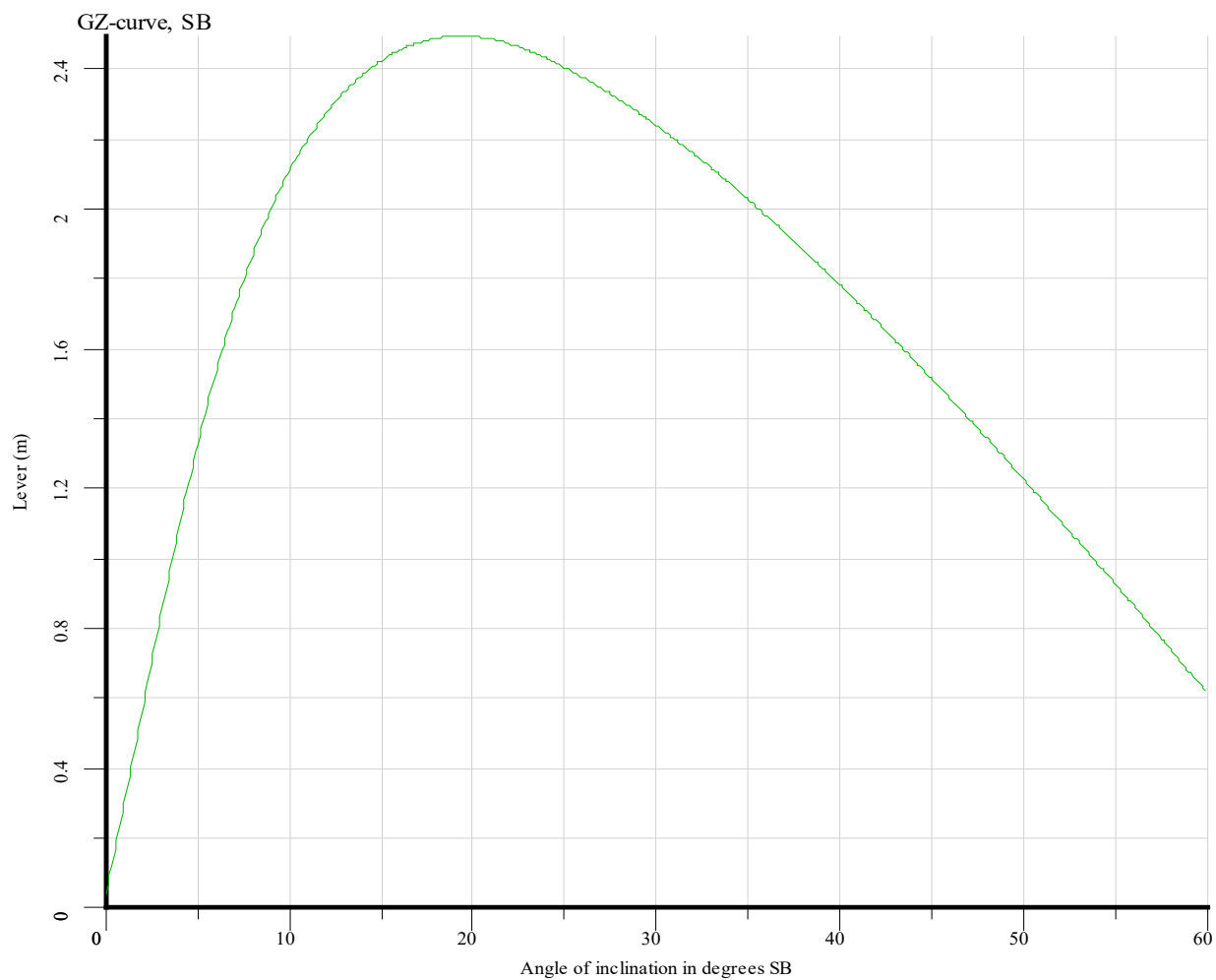


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



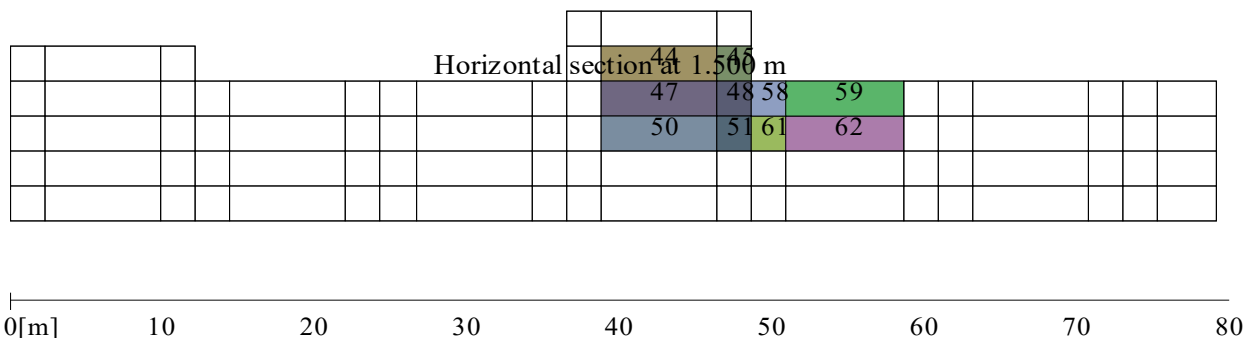
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case 1/2L PS in 2
 Stage of flooding 100%
 Intact displacement 519.970 ton
 Intact VCG 2.277 m
 Intact LCG 38.576 m
 Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.117 m
Marginline	fore PS	-1.002 m
Marginline	mid fore SB	-0.875 m
Marginline	mid aft SB	-0.778 m
Marginline	mid fore PS	-0.703 m
Marginline	mid aft PS	-0.606 m
Marginline	aft SB	-0.489 m
Marginline	aft PS	-0.345 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.117 m
Marginline	fore PS	-1.002 m
Marginline	mid fore SB	-0.875 m
Marginline	mid aft SB	-0.778 m
Marginline	mid fore PS	-0.703 m
Marginline	mid aft PS	-0.606 m
Marginline	aft SB	-0.489 m
Marginline	aft PS	-0.345 m

Damaged compartments and intact compartment weights (at 0.67° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	16.235	1.0000
24 A A	0.000	1.0000	5.060	1.0000
25 A	0.000	1.0000	16.738	1.0000
25 A A	0.000	1.0000	5.211	1.0000
26 A	0.000	1.0000	17.244	1.0000
26 A A	0.000	1.0000	5.362	1.0000
28	0.000	1.0000	5.192	1.0000
28 A	0.000	1.0000	8.817	1.0000
29	0.000	1.0000	5.343	1.0000
29 A	0.000	1.0000	9.068	1.0000
30	0.000	1.0000	5.496	1.0000
30 A	0.000	1.0000	9.321	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	698.648	-1.689	11.325	-0.849	2.226
50.00	PS	698.640	-0.854	7.792	-1.529	2.017
40.00	PS	698.276	-0.310	5.476	-2.148	1.695
35.00	PS	697.652	-0.098	4.556	-2.422	1.496
30.00	PS	696.418	0.088	3.737	-2.664	1.274
25.00	PS	694.025	0.252	2.991	-2.859	1.032
20.00	PS	689.370	0.397	2.299	-2.979	0.777
15.00	PS	680.604	0.524	1.664	-2.960	0.516
10.00	PS	663.425	0.625	1.129	-2.634	0.268
5.00	PS	644.197	0.694	0.794	-1.597	0.079
2.00	PS	636.122	0.722	0.704	-0.748	0.017
0.00		630.775	0.740	0.647	-0.182	0.001
0.67	SB	629.013	0.746	0.627	0.000	0.000
2.00	SB	625.548	0.758	0.588	0.385	0.005
5.00	SB	617.641	0.784	0.504	1.231	0.047
10.00	SB	600.143	0.770	0.416	2.080	0.197
15.00	SB	581.950	0.676	0.375	2.450	0.397
20.00	SB	572.685	0.543	0.397	2.520	0.616
25.00	SB	568.006	0.404	0.442	2.426	0.832
30.00	SB	565.848	0.256	0.509	2.253	1.037
35.00	SB	565.444	0.099	0.609	2.033	1.224
40.00	SB	565.446	-0.078	0.730	1.783	1.391
50.00	SB	565.456	-0.527	1.035	1.223	1.654
60.00	SB	565.441	-1.215	1.506	0.611	1.815

Statical angle of inclination is 0.67 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

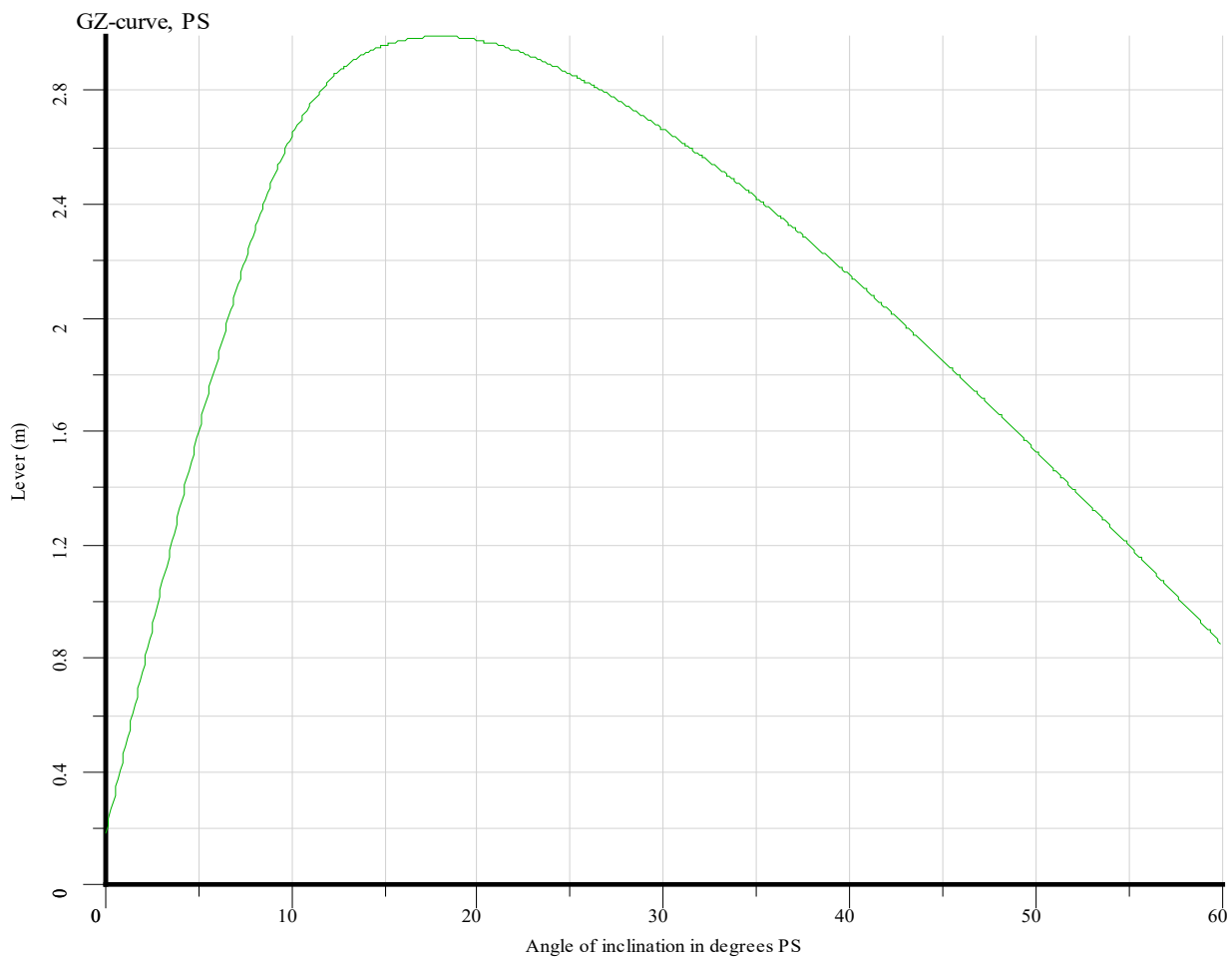
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8695	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8553	meter
This damage case complies with the stated criteria				

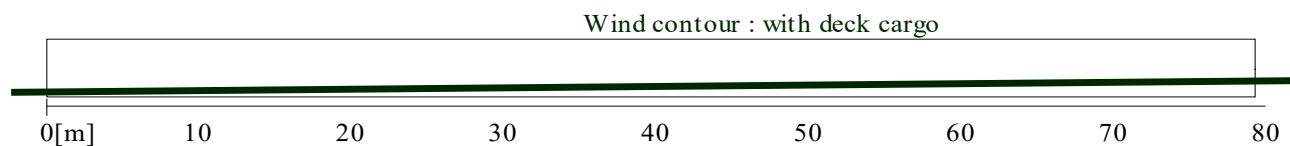
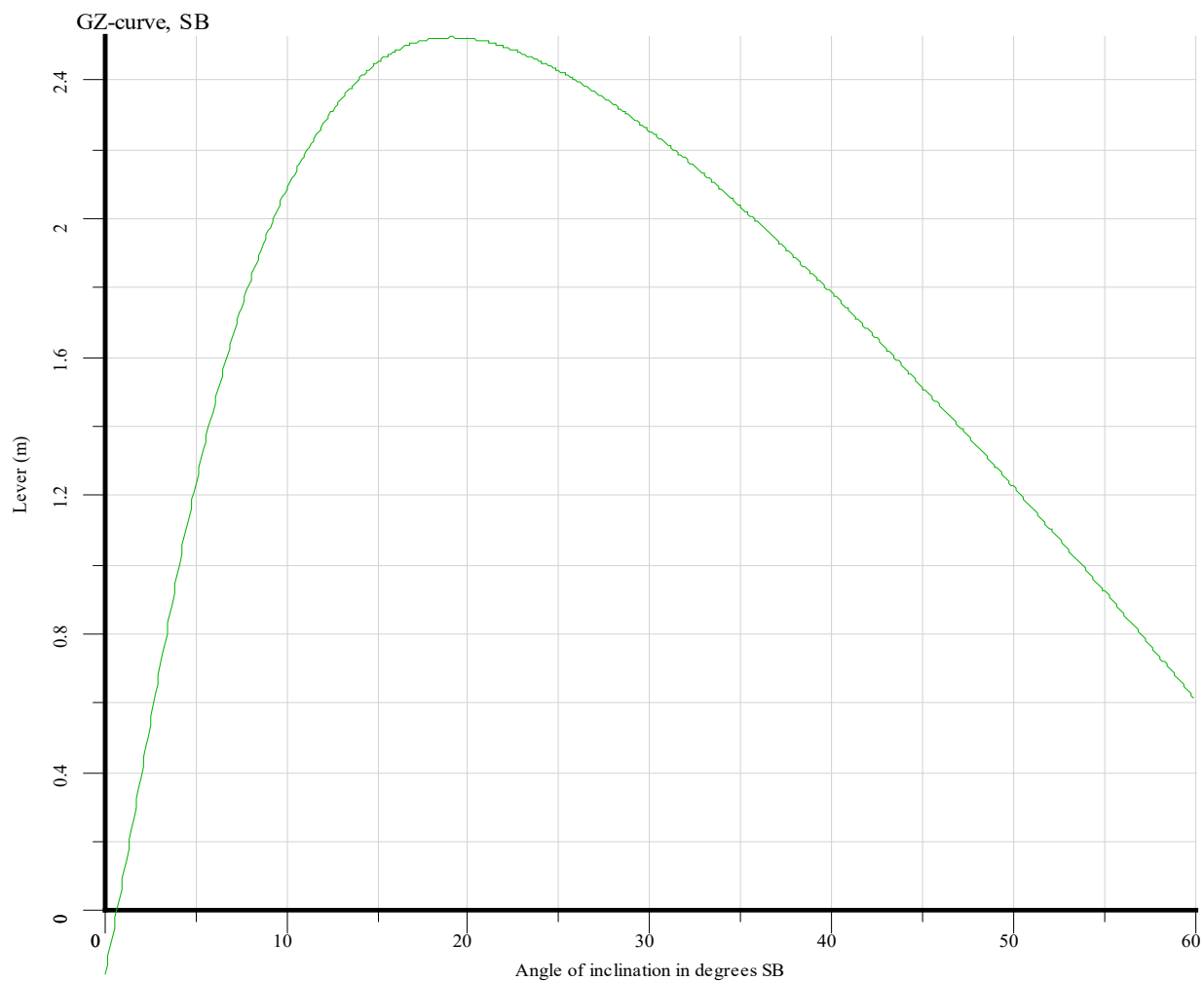


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

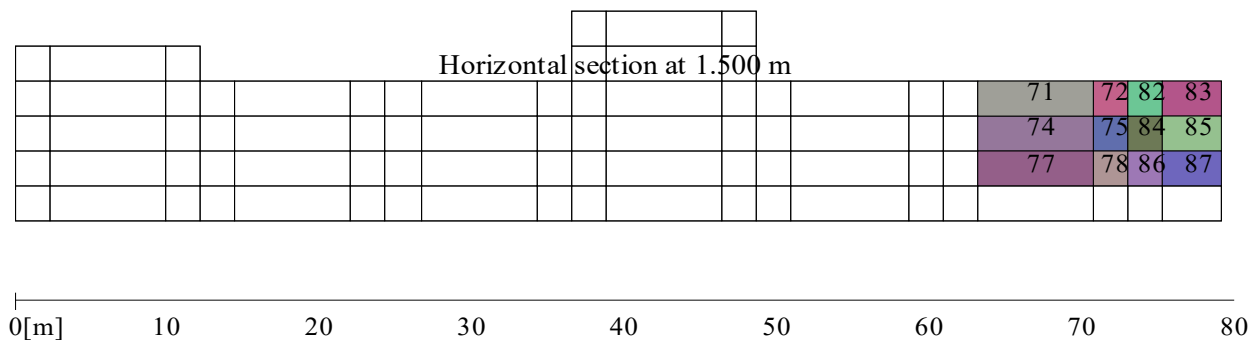
Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-0.885 m
Marginline	fore PS	-0.810 m
Marginline	mid fore SB	-0.757 m
Marginline	mid aft SB	-0.706 m
Marginline	mid fore PS	-0.644 m
Marginline	mid aft PS	-0.592 m
Marginline	aft SB	-0.552 m
Marginline	aft PS	-0.458 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-0.885 m
Marginline	fore PS	-0.810 m
Marginline	mid fore SB	-0.757 m
Marginline	mid aft SB	-0.706 m
Marginline	mid fore PS	-0.644 m
Marginline	mid aft PS	-0.592 m
Marginline	aft SB	-0.552 m
Marginline	aft PS	-0.458 m

Damaged compartments and intact compartment weights (at 0.44° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	13.554	1.0000
24 A A	0.000	1.0000	4.162	1.0000
25 A	0.000	1.0000	13.885	1.0000
25 A A	0.000	1.0000	4.261	1.0000
28	0.000	1.0000	4.242	1.0000
28 A	0.000	1.0000	7.143	1.0000
29	0.000	1.0000	4.342	1.0000
29 A	0.000	1.0000	7.308	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	665.345	-2.057	9.488	-0.848	2.213
50.00	PS	664.152	-1.116	6.490	-1.527	2.005
40.00	PS	661.825	-0.505	4.513	-2.144	1.684
35.00	PS	659.926	-0.266	3.726	-2.418	1.485
30.00	PS	657.269	-0.056	3.028	-2.658	1.263
25.00	PS	653.441	0.132	2.399	-2.851	1.022
20.00	PS	647.595	0.301	1.824	-2.971	0.767
15.00	PS	637.688	0.452	1.299	-2.950	0.508
10.00	PS	618.868	0.570	0.837	-2.626	0.260
5.00	PS	598.479	0.638	0.520	-1.545	0.073
2.00	PS	587.638	0.662	0.416	-0.689	0.015
0.00		580.420	0.678	0.348	-0.119	0.000
0.44	SB	578.837	0.681	0.333	0.000	0.000
2.00	SB	573.281	0.693	0.279	0.450	0.006
5.00	SB	562.306	0.715	0.173	1.287	0.052
10.00	SB	541.284	0.692	0.028	2.093	0.205
15.00	SB	528.699	0.584	-0.073	2.411	0.404
20.00	SB	522.719	0.427	-0.161	2.487	0.619
25.00	SB	520.419	0.262	-0.239	2.402	0.833
30.00	SB	519.970	0.088	-0.304	2.238	1.036
35.00	SB	519.969	-0.104	-0.368	2.026	1.222
40.00	SB	519.959	-0.322	-0.441	1.781	1.389
50.00	SB	519.967	-0.873	-0.626	1.225	1.652
60.00	SB	519.953	-1.717	-0.909	0.615	1.813

Statical angle of inclination is 0.44 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

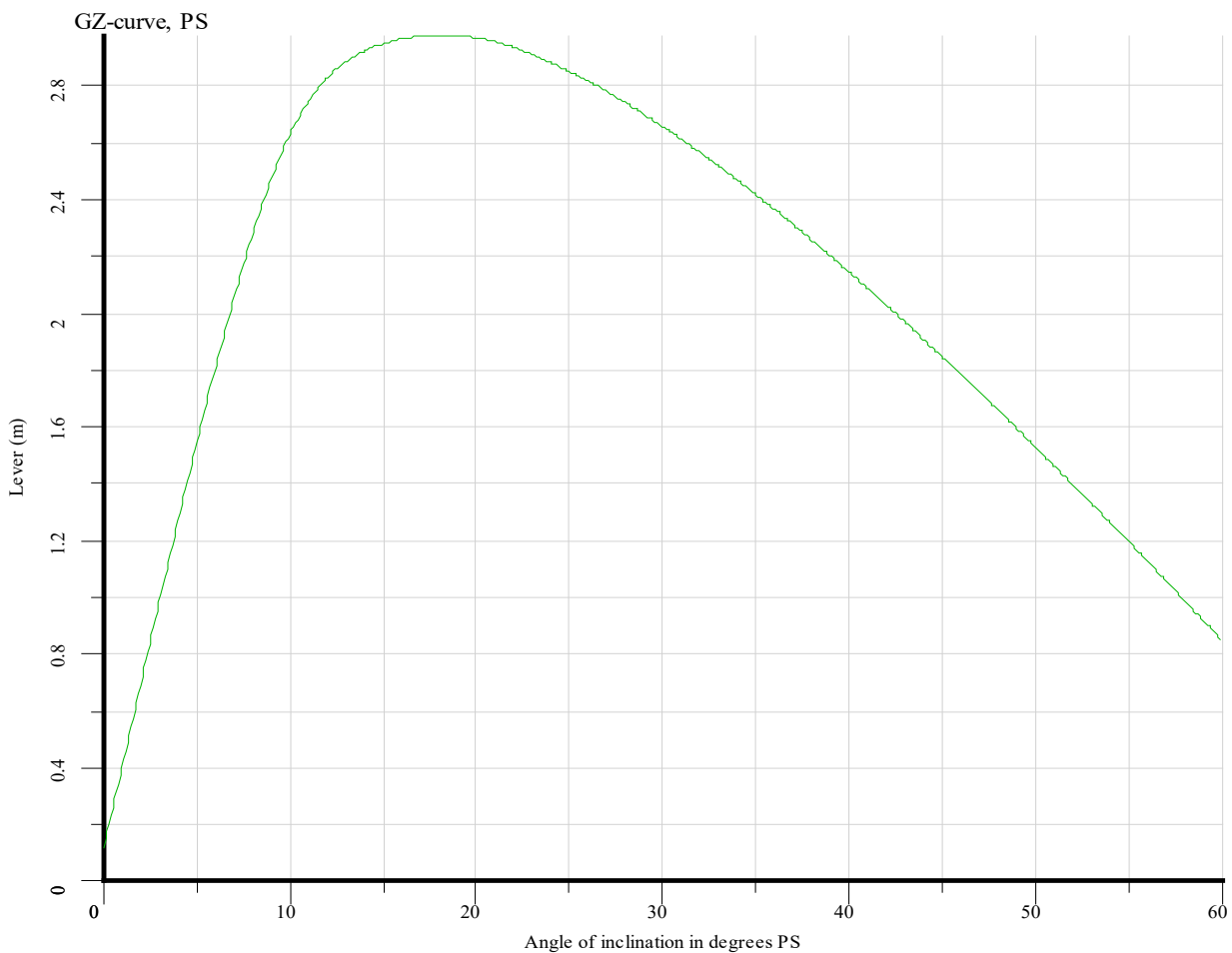
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1014	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0876	meter
This damage case complies with the stated criteria				

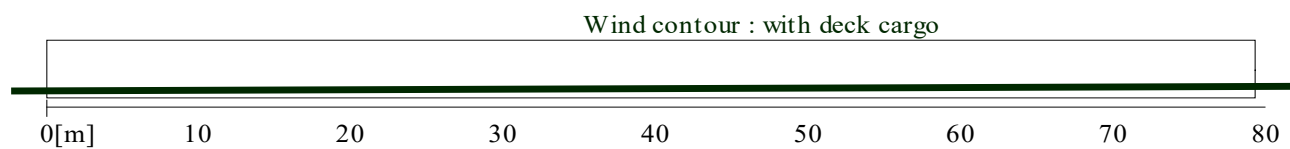
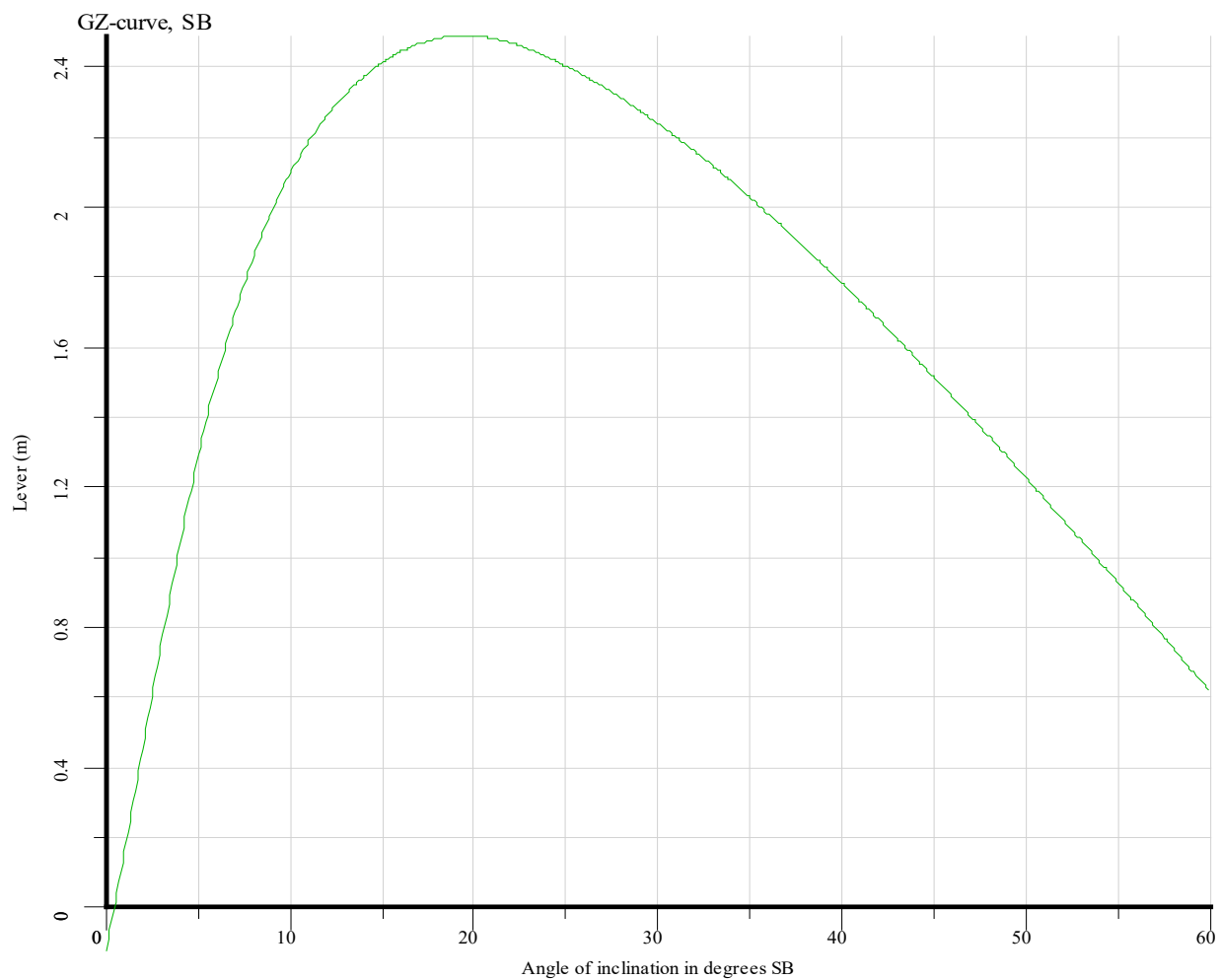


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

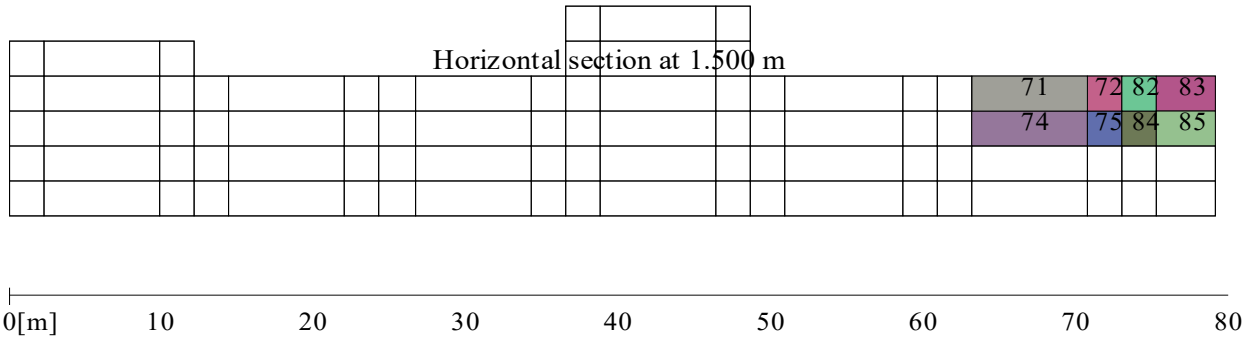


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 3

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.352 m
Marginline	mid fore SB	-1.086 m
Marginline	mid aft SB	-0.980 m
Marginline	fore PS	-0.916 m
Marginline	aft SB	-0.662 m
Marginline	mid fore PS	-0.432 m
Marginline	mid aft PS	-0.325 m
Marginline	aft PS	-0.116 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.352 m
Marginline	mid fore SB	-1.086 m
Marginline	mid aft SB	-0.980 m
Marginline	fore PS	-0.916 m
Marginline	aft SB	-0.662 m
Marginline	mid fore PS	-0.432 m
Marginline	mid aft PS	-0.325 m
Marginline	aft PS	-0.116 m

Damaged compartments and intact compartment weights (at 2.56° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	17.170	1.0000
25 A A	0.000	1.0000	5.361	1.0000
26 A	0.000	1.0000	19.098	1.0000
26 A A	0.000	1.0000	5.937	1.0000
27 A	0.000	1.0000	21.016	1.0000
27 A A	0.000	1.0000	6.511	1.0000
29	0.000	1.0000	5.505	1.0000
29 A	0.000	1.0000	9.357	1.0000
30	0.000	1.0000	6.085	1.0000
30 A	0.000	1.0000	10.319	1.0000
31	0.000	1.0000	6.663	1.0000
31 A	0.000	1.0000	11.278	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	532.515	-3.523	2.470	-1.071	2.627
50.00	PS	534.696	-2.099	1.778	-1.813	2.374
40.00	PS	538.129	-1.166	1.340	-2.484	1.998
35.00	PS	540.540	-0.799	1.170	-2.780	1.768
30.00	PS	543.698	-0.473	1.020	-3.040	1.514
25.00	PS	548.058	-0.180	0.889	-3.249	1.239
20.00	PS	554.511	0.087	0.781	-3.383	0.949
15.00	PS	564.521	0.326	0.685	-3.381	0.653
10.00	PS	580.422	0.520	0.585	-3.095	0.366
5.00	PS	604.675	0.646	0.558	-2.058	0.136
2.00	PS	620.372	0.702	0.611	-1.244	0.050
0.00		630.775	0.740	0.647	-0.702	0.016
2.00	SB	641.302	0.777	0.682	-0.159	0.001
2.56	SB	644.315	0.787	0.693	0.000	0.000
5.00	SB	657.342	0.833	0.744	0.646	0.014
10.00	SB	682.595	0.874	0.959	1.492	0.112
15.00	SB	697.360	0.868	1.355	1.868	0.261
20.00	SB	706.899	0.854	1.901	1.939	0.429
25.00	SB	713.093	0.835	2.517	1.864	0.596
30.00	SB	717.321	0.814	3.191	1.717	0.752
35.00	SB	720.361	0.790	3.935	1.529	0.894
40.00	SB	722.639	0.762	4.775	1.313	1.018
50.00	SB	725.741	0.690	6.898	0.830	1.206
60.00	SB	727.674	0.576	10.131	0.306	1.306

Statical angle of inclination is 2.56 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

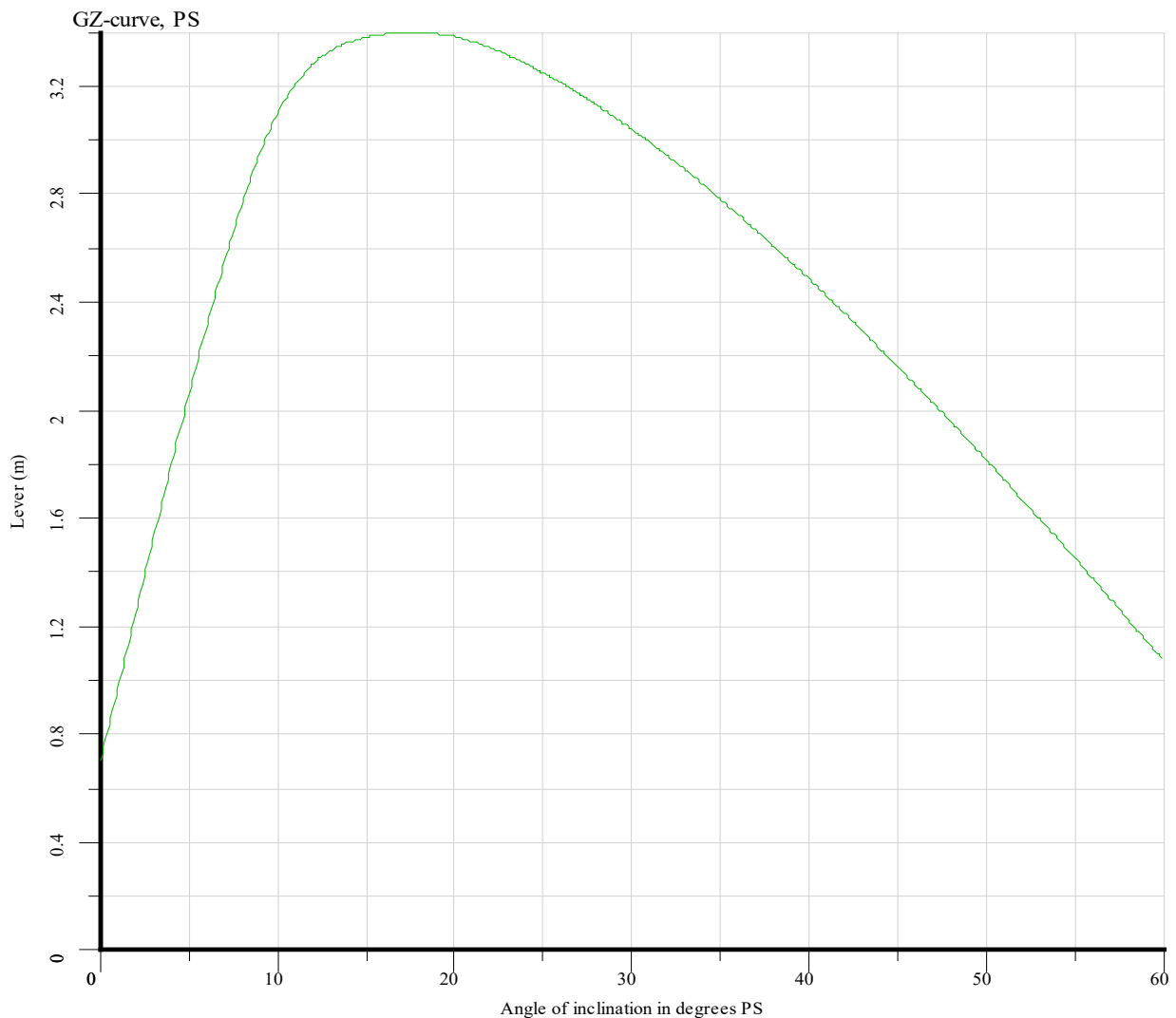
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6355	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6153	meter
This damage case complies with the stated criteria				



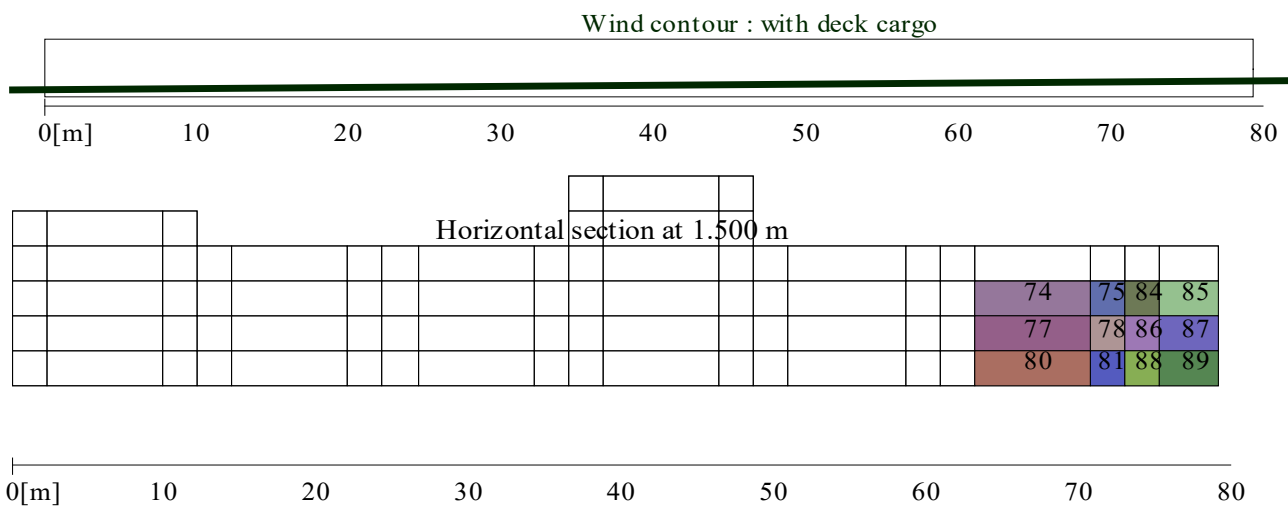
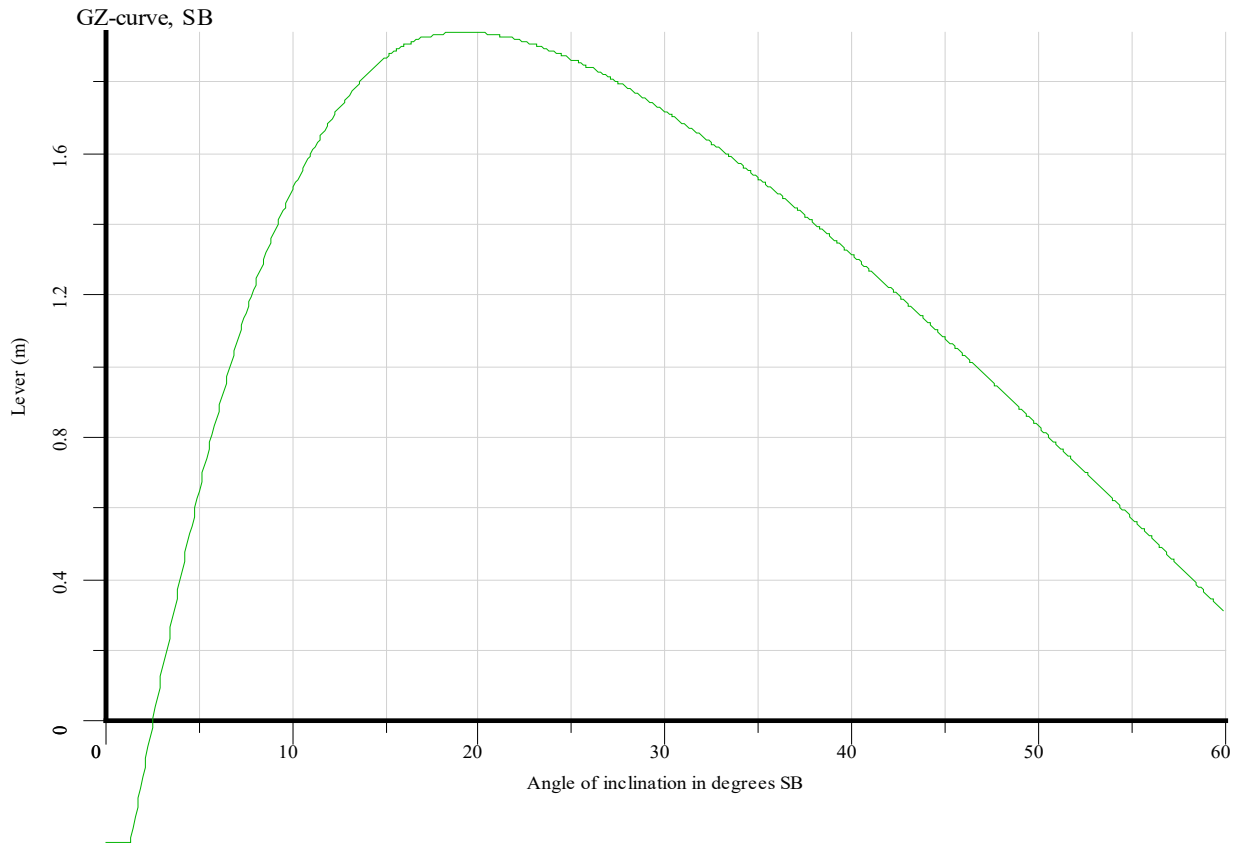
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 3
 Stage of flooding 100%
 Intact displacement 519.970 ton
 Intact VCG 2.277 m
 Intact LCG 38.576 m
 Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	519.970 ton
Intact VCG	2.277 m
Intact LCG	38.576 m
Intact TCG	-0.714 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.131 m
Marginline	mid fore SB	-0.982 m
Marginline	mid aft SB	-0.923 m
Marginline	aft SB	-0.744 m
Marginline	fore PS	-0.705 m
Marginline	mid fore PS	-0.343 m
Marginline	mid aft PS	-0.283 m
Marginline	aft PS	-0.212 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore SB	-1.131 m
Marginline	mid fore SB	-0.982 m
Marginline	mid aft SB	-0.923 m
Marginline	aft SB	-0.744 m
Marginline	fore PS	-0.705 m
Marginline	mid fore PS	-0.343 m
Marginline	mid aft PS	-0.283 m
Marginline	aft PS	-0.212 m

Damaged compartments and intact compartment weights (at 2.50° SB) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	16.091	1.0000
26 A A	0.000	1.0000	4.938	1.0000
27 A	0.000	1.0000	17.975	1.0000
27 A A	0.000	1.0000	5.501	1.0000
30	0.000	1.0000	5.033	1.0000
30 A	0.000	1.0000	8.472	1.0000
31	0.000	1.0000	5.599	1.0000
31 A	0.000	1.0000	9.410	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 2
Stage of flooding 100%
Intact displacement 519.970 ton
Intact VCG 2.277 m
Intact LCG 38.576 m
Intact TCG -0.714 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	519.970	-3.662	1.791	-1.062	2.601
50.00	PS	519.970	-2.211	1.232	-1.800	2.351
40.00	PS	519.985	-1.263	0.867	-2.466	1.977
35.00	PS	519.992	-0.890	0.723	-2.759	1.749
30.00	PS	519.970	-0.561	0.597	-3.013	1.496
25.00	PS	519.969	-0.263	0.484	-3.211	1.224
20.00	PS	520.557	0.007	0.396	-3.332	0.938
15.00	PS	523.983	0.248	0.319	-3.337	0.646
10.00	PS	533.183	0.453	0.251	-3.070	0.363
5.00	PS	555.387	0.585	0.266	-2.044	0.134
2.00	PS	570.451	0.641	0.315	-1.229	0.049
0.00		580.422	0.678	0.348	-0.687	0.015
2.00	SB	590.469	0.714	0.380	-0.144	0.001
2.50	SB	592.995	0.724	0.389	0.000	0.000
5.00	SB	605.524	0.769	0.431	0.668	0.015
10.00	SB	629.540	0.807	0.605	1.493	0.114
15.00	SB	647.185	0.785	0.921	1.893	0.264
20.00	SB	655.870	0.736	1.323	1.972	0.434
25.00	SB	660.702	0.679	1.762	1.899	0.604
30.00	SB	663.506	0.616	2.230	1.751	0.764
35.00	SB	665.128	0.543	2.738	1.561	0.908
40.00	SB	665.989	0.459	3.301	1.344	1.035
50.00	SB	666.604	0.241	4.708	0.858	1.228
60.00	SB	666.685	-0.098	6.846	0.329	1.332

Statical angle of inclination is 2.50 degrees to starboard

Wind contour with deck cargo

Additional heeling moment is 185.759 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

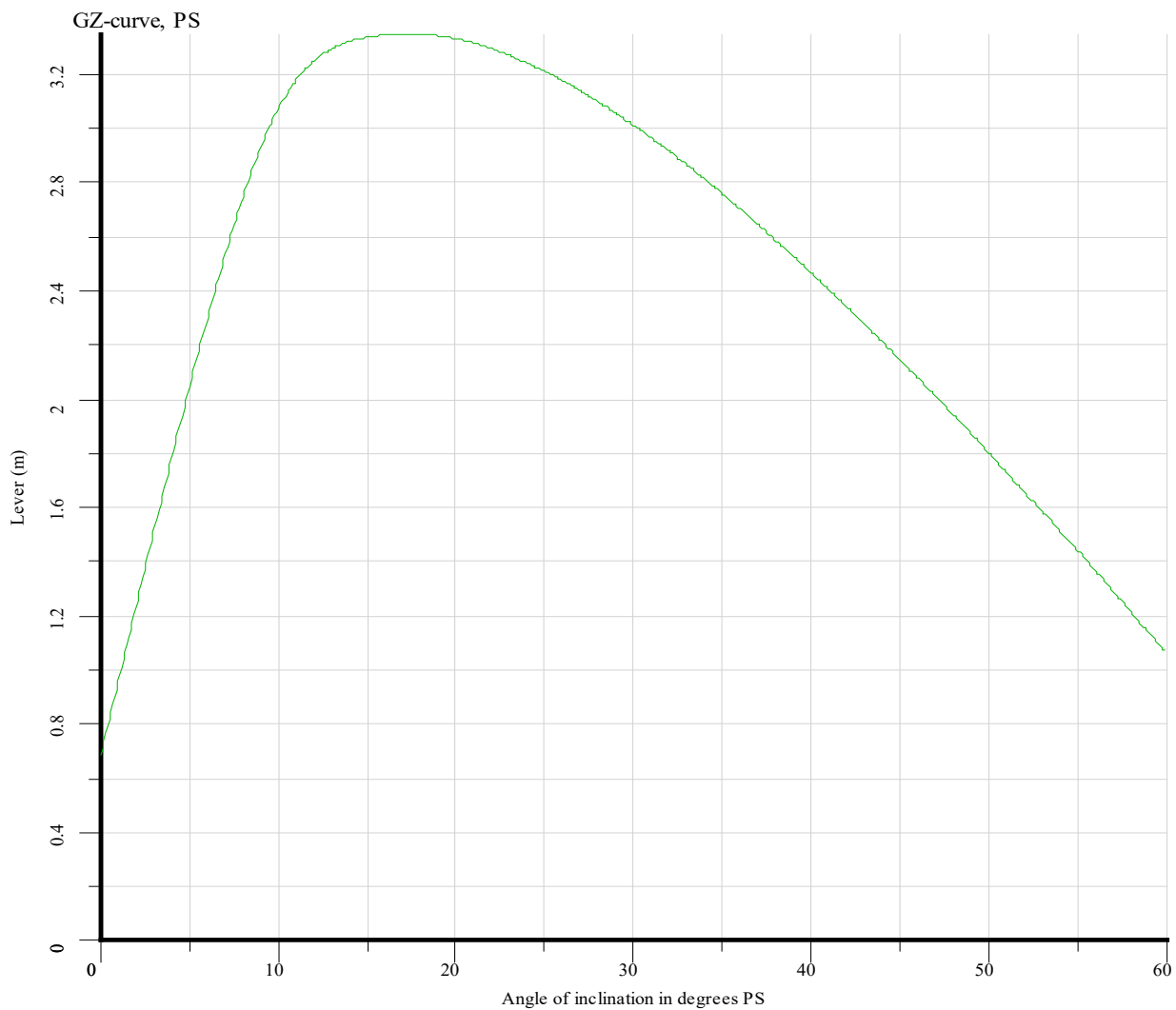
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8568	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8366	meter
This damage case complies with the stated criteria				



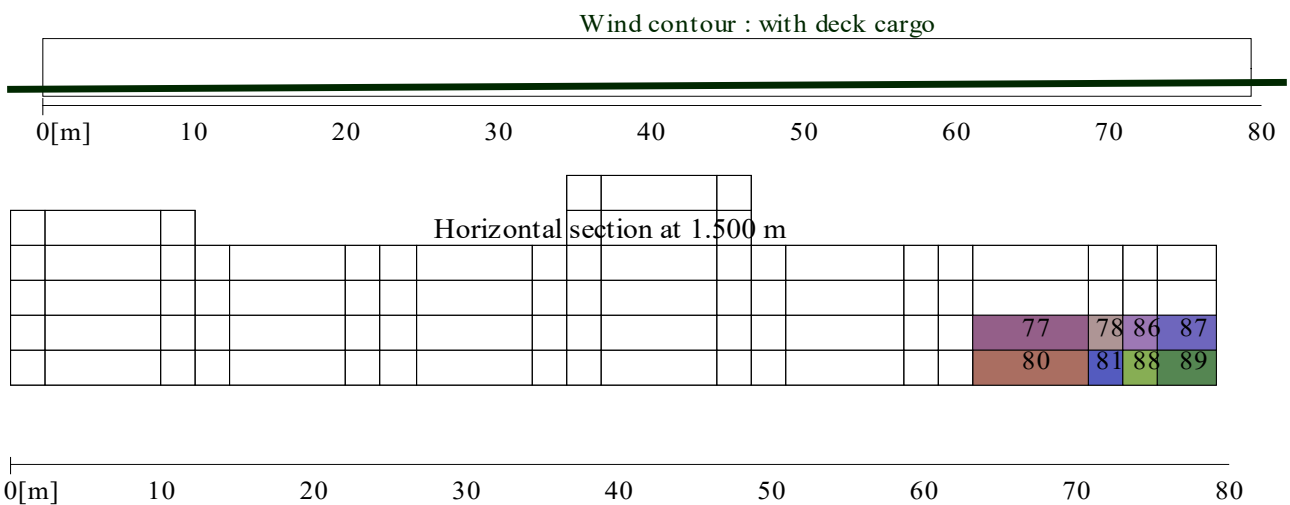
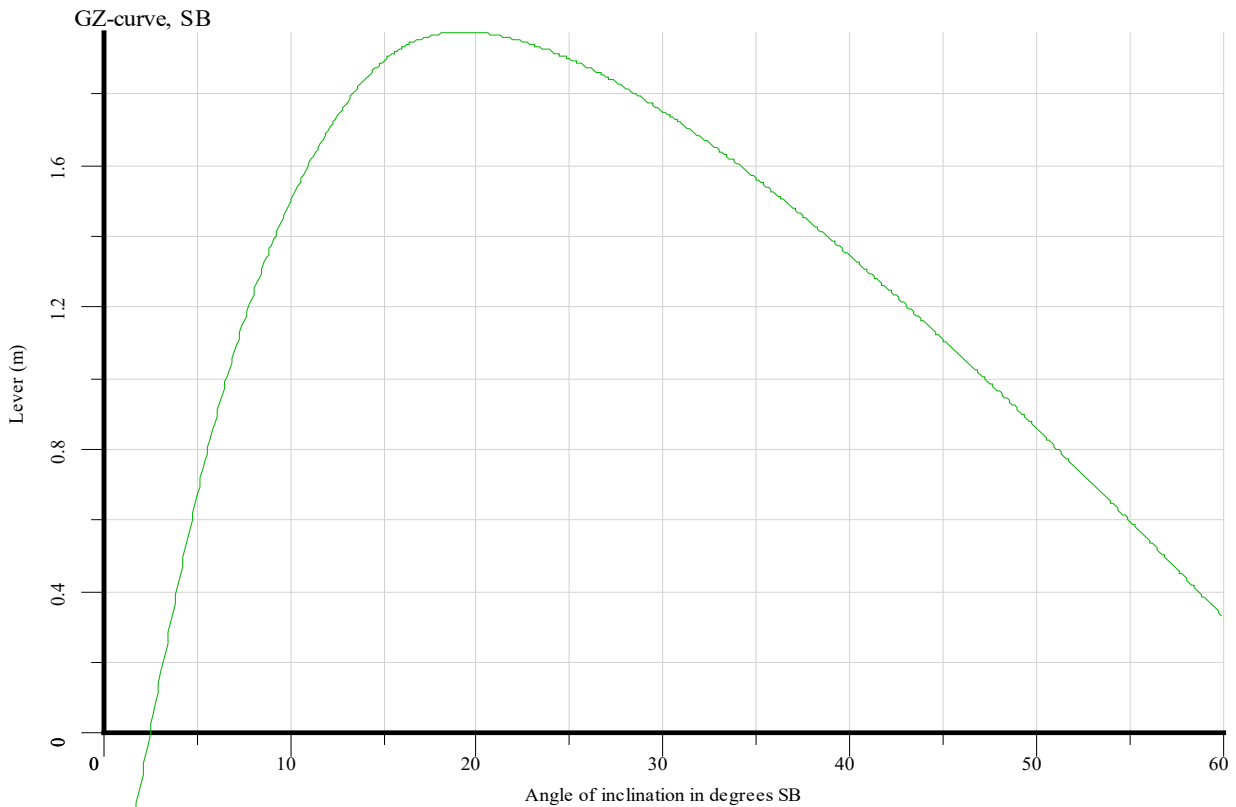
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & 2155 passengers to SB

Damage case FORE SB 2
 Stage of flooding 100%
 Intact displacement 519.970 ton
 Intact VCG 2.277 m
 Intact LCG 38.576 m
 Intact TCG -0.714 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.412 m
Marginline	aft PS	-1.398 m
Marginline	mid fore PS	-1.354 m
Marginline	fore PS	-0.834 m
Marginline	aft SB	-0.460 m
Marginline	mid aft SB	-0.286 m
Marginline	mid fore SB	-0.229 m
Marginline	fore SB	-0.083 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.412 m
Marginline	aft PS	-1.398 m
Marginline	mid fore PS	-1.354 m
Marginline	fore PS	-0.834 m
Marginline	aft SB	-0.460 m
Marginline	mid aft SB	-0.286 m
Marginline	mid fore SB	-0.229 m
Marginline	fore SB	-0.083 m

Damaged compartments and intact compartment weights (at 4.41° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	22.533	1.0000
1 A A	0.000	1.0000	6.611	1.0000
2 A	0.000	1.0000	19.267	1.0000
2 A A	0.000	1.0000	5.635	1.0000
3 A	0.000	1.0000	15.937	1.0000
3 A A	0.000	1.0000	4.640	1.0000
6	0.000	1.0000	5.616	1.0000
6 A	0.000	1.0000	18.238	1.0000
7	0.000	1.0000	4.614	1.0000
7 A	0.000	1.0000	14.909	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	711.808	-1.544	-7.151	-0.218	1.121
50.00	PS	709.032	-0.775	-4.834	-0.703	1.040
40.00	PS	704.769	-0.275	-3.309	-1.151	0.877
35.00	PS	701.771	-0.079	-2.705	-1.351	0.768
30.00	PS	697.838	0.094	-2.171	-1.524	0.642
25.00	PS	692.481	0.249	-1.694	-1.659	0.503
20.00	PS	684.737	0.389	-1.271	-1.728	0.355
15.00	PS	672.254	0.510	-0.911	-1.671	0.205
10.00	PS	648.887	0.600	-0.596	-1.321	0.070
5.00	PS	614.140	0.645	-0.393	-0.164	0.001
4.41	PS	610.220	0.648	-0.381	0.000	0.000
2.00	PS	594.149	0.660	-0.330	0.678	0.014
0.00		581.026	0.671	-0.289	1.235	0.048
2.00	SB	567.590	0.680	-0.246	1.790	0.100
5.00	SB	547.307	0.693	-0.183	2.590	0.216
10.00	SB	516.651	0.656	-0.063	3.352	0.480
15.00	SB	501.708	0.535	0.035	3.621	0.787
20.00	SB	494.808	0.363	0.111	3.667	1.106
25.00	SB	492.375	0.179	0.172	3.549	1.422
30.00	SB	492.100	-0.015	0.217	3.342	1.723
35.00	SB	492.100	-0.229	0.263	3.077	2.003
40.00	SB	492.102	-0.471	0.315	2.770	2.259
50.00	SB	492.092	-1.084	0.448	2.066	2.682
60.00	SB	492.100	-2.025	0.651	1.280	2.975

Statical angle of inclination is 4.41 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

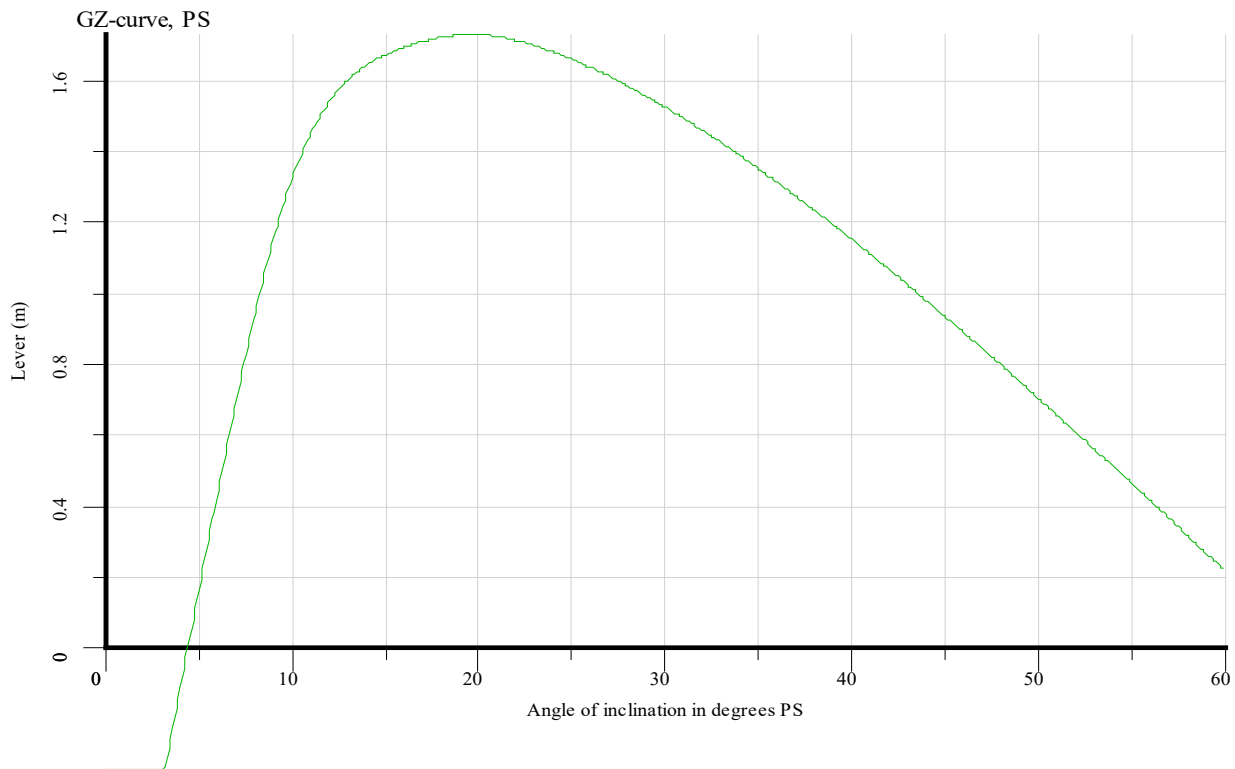
19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5476	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5797	meter
This damage case complies with the stated criteria				

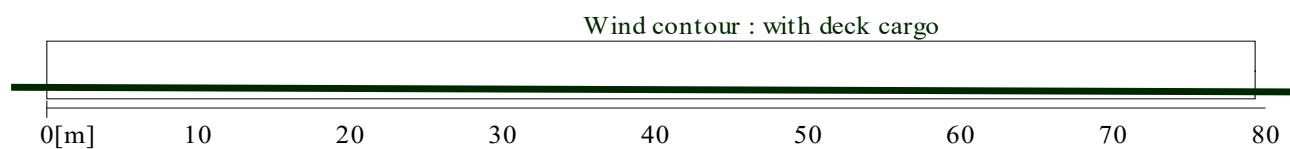
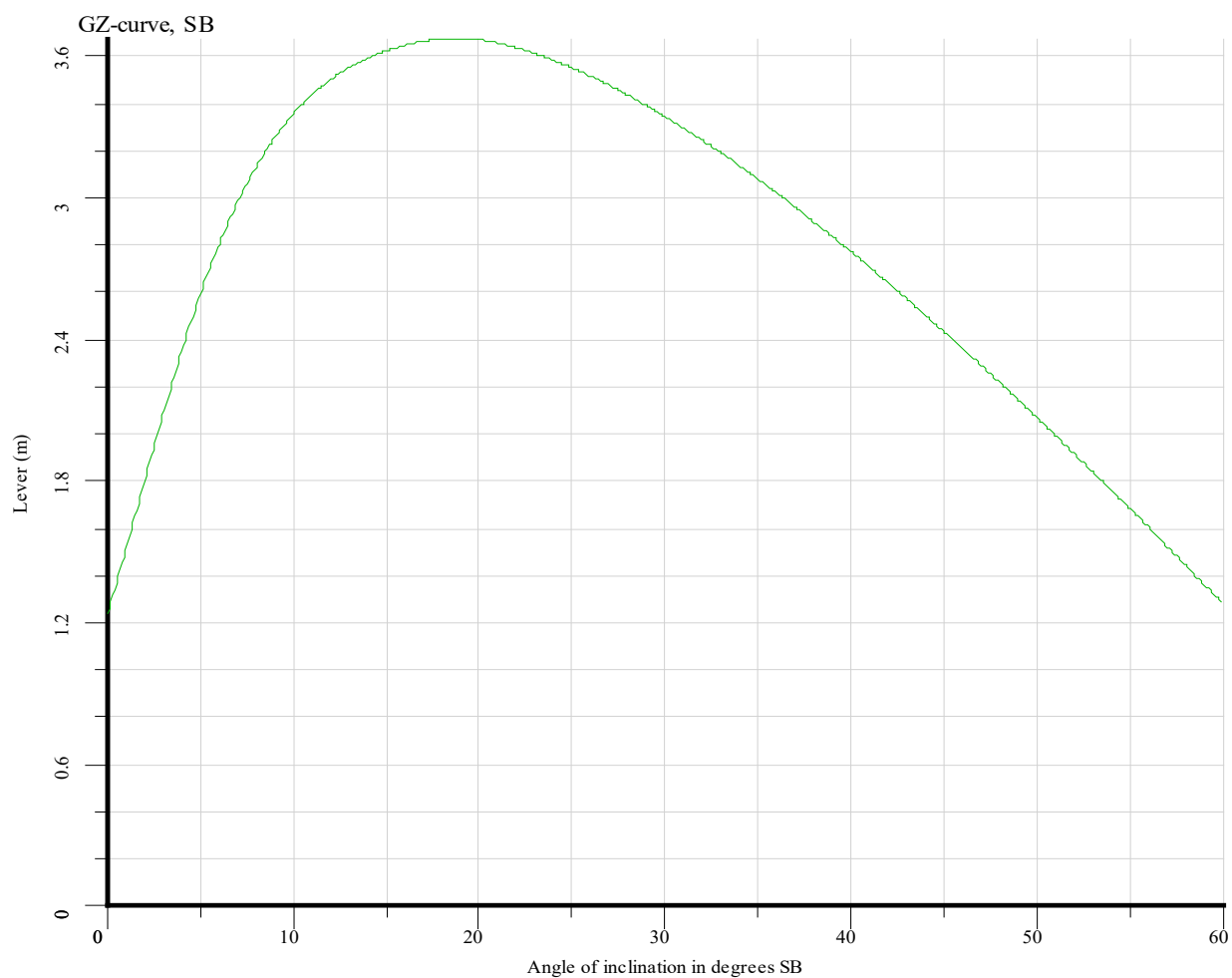


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

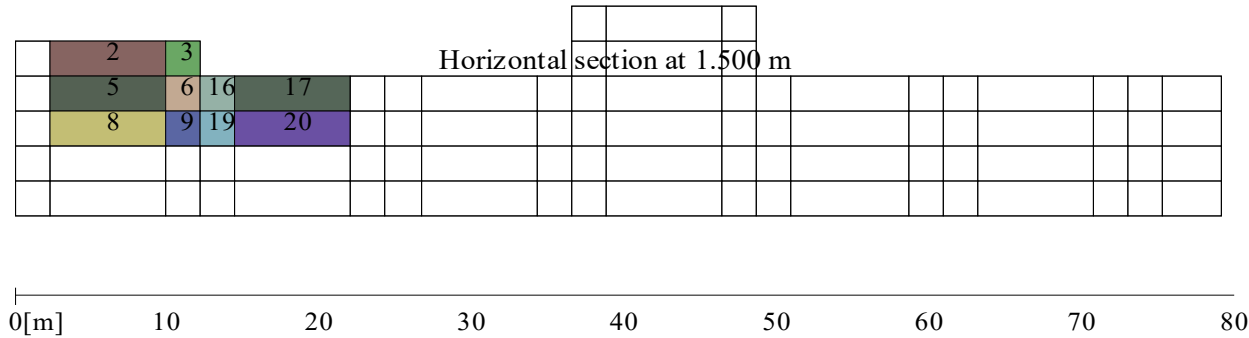


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:24

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.984 m
Marginline	mid aft PS	-0.925 m
Marginline	mid fore PS	-0.884 m
Marginline	aft SB	-0.660 m
Marginline	fore PS	-0.650 m
Marginline	mid aft SB	-0.536 m
Marginline	mid fore SB	-0.495 m
Marginline	fore SB	-0.391 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.984 m
Marginline	mid aft PS	-0.925 m
Marginline	mid fore PS	-0.884 m
Marginline	aft SB	-0.660 m
Marginline	fore PS	-0.650 m
Marginline	mid aft SB	-0.536 m
Marginline	mid fore SB	-0.495 m
Marginline	fore SB	-0.391 m

Damaged compartments and intact compartment weights (at 1.52° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	14.151	1.0000
3 A A	0.000	1.0000	4.142	1.0000
4 A	0.000	1.0000	13.002	1.0000
4 A A	0.000	1.0000	3.799	1.0000
5 A	0.000	1.0000	11.883	1.0000
5 A A	6.300	1.0000	3.464	1.0000
7	0.000	1.0000	4.130	1.0000
7 A	0.000	1.0000	13.422	1.0000
8	0.000	1.0000	3.784	1.0000
8 A	0.000	1.0000	12.274	1.0000
9	0.000	1.0000	3.447	1.0000
9 A	0.000	1.0000	11.152	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	485.793	-4.039	3.654	-0.500	1.597
50.00	PS	485.800	-2.470	2.514	-1.063	1.460
40.00	PS	485.867	-1.446	1.769	-1.576	1.229
35.00	PS	486.247	-1.041	1.471	-1.801	1.081
30.00	PS	487.390	-0.682	1.202	-1.998	0.915
25.00	PS	489.926	-0.357	0.952	-2.156	0.734
20.00	PS	494.450	-0.060	0.721	-2.247	0.541
15.00	PS	502.857	0.207	0.473	-2.225	0.345
10.00	PS	519.391	0.432	0.199	-1.954	0.159
5.00	PS	554.764	0.580	-0.079	-0.925	0.028
2.00	PS	580.359	0.646	-0.242	-0.128	0.001
1.52	PS	584.443	0.656	-0.268	0.000	0.000
0.00		597.463	0.689	-0.352	0.400	0.005
2.00	SB	614.376	0.732	-0.460	0.928	0.028
5.00	SB	639.894	0.797	-0.624	1.714	0.098
10.00	SB	678.753	0.861	-0.952	2.598	0.290
15.00	SB	702.248	0.874	-1.442	2.988	0.537
20.00	SB	714.715	0.871	-2.035	3.036	0.802
25.00	SB	722.260	0.862	-2.690	2.927	1.063
30.00	SB	727.383	0.851	-3.409	2.737	1.310
35.00	SB	730.983	0.837	-4.203	2.498	1.539
40.00	SB	733.581	0.821	-5.096	2.225	1.745
50.00	SB	737.003	0.776	-7.353	1.604	2.081
60.00	SB	739.120	0.702	-10.790	0.919	2.302

Statical angle of inclination is 1.52 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

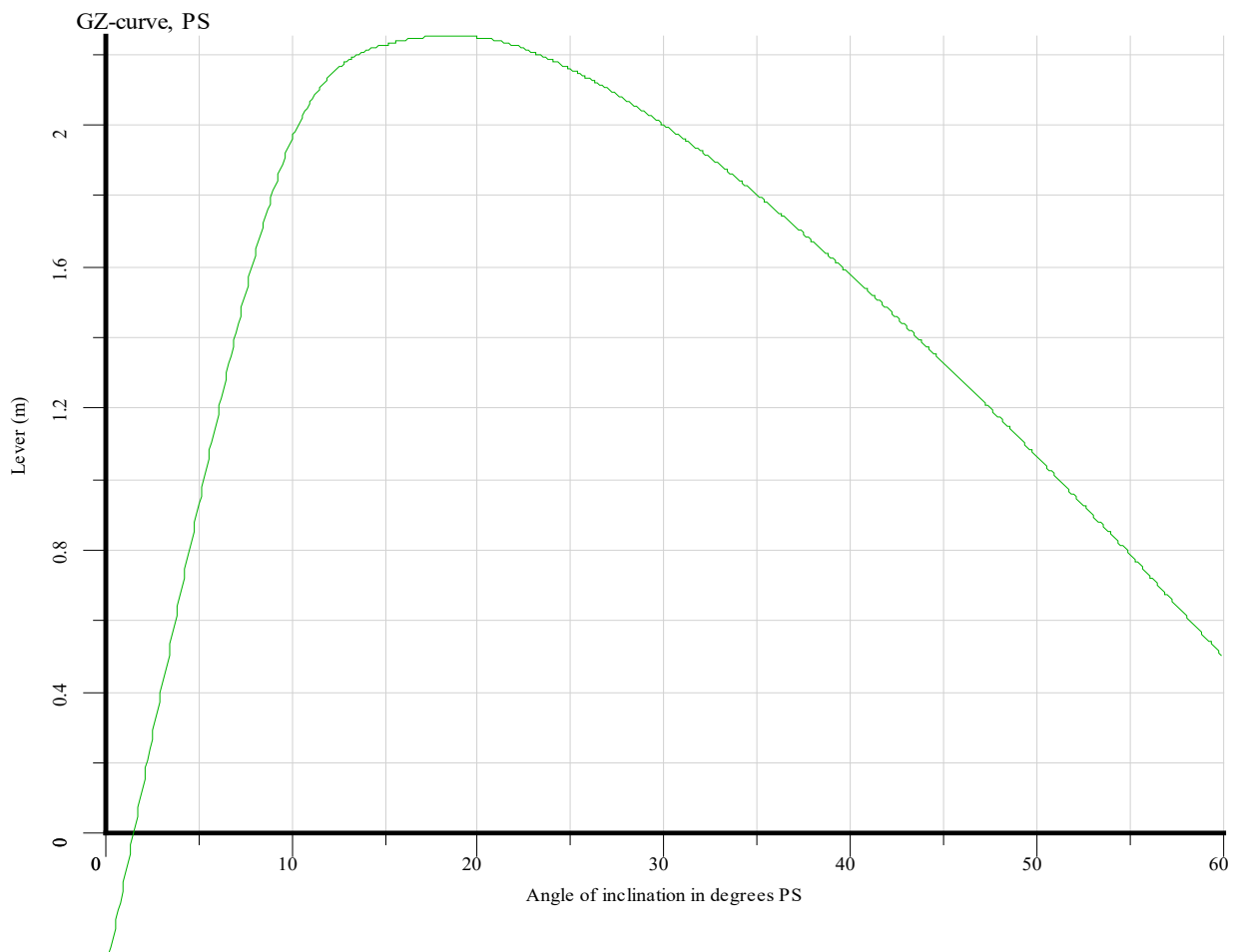
19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9874	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0033	meter
This damage case complies with the stated criteria				

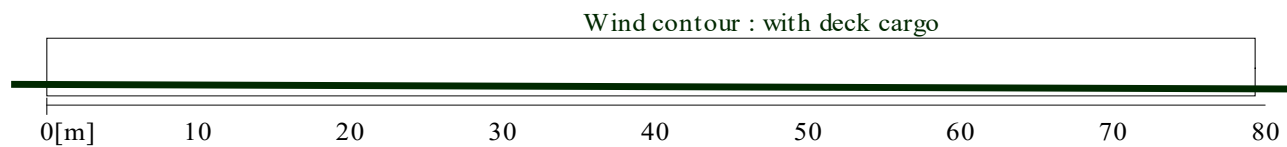
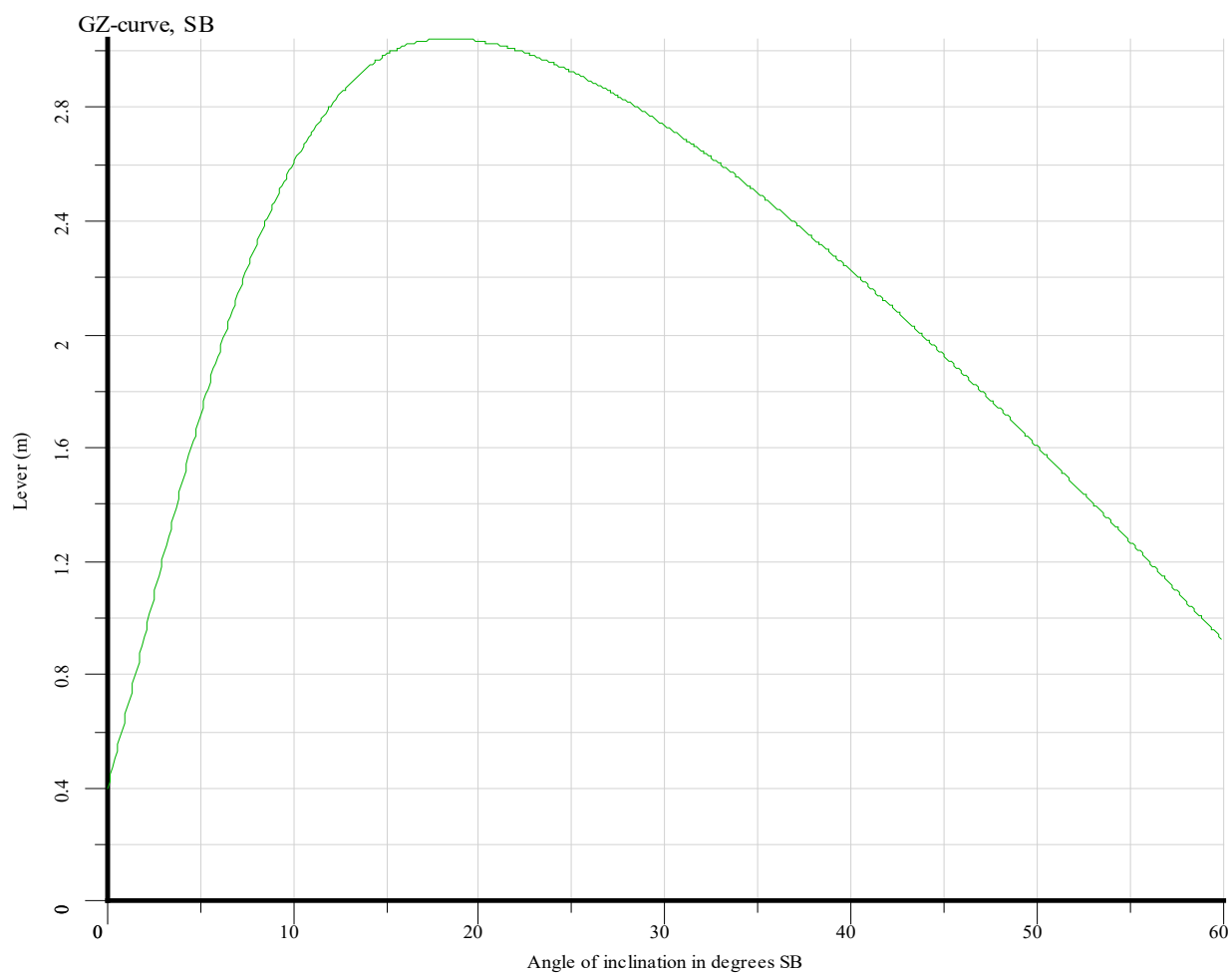


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

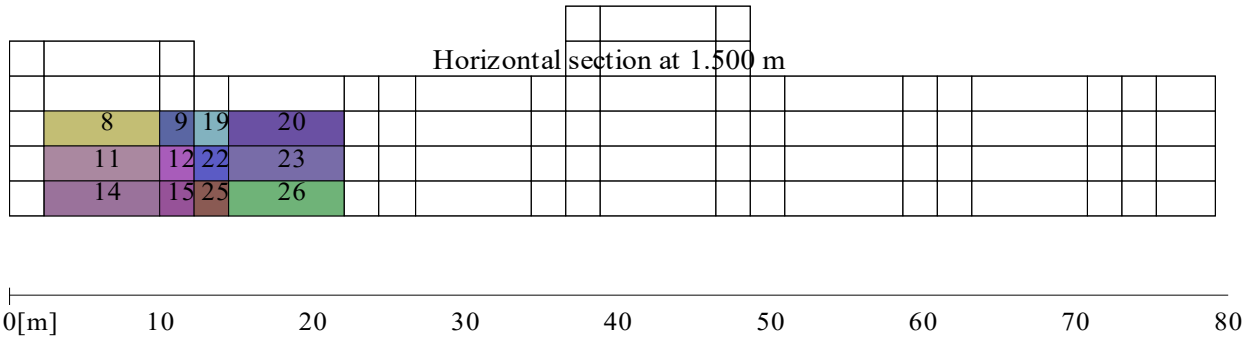


pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.899 m
Marginline	mid fore PS	-0.896 m
Marginline	aft PS	-0.835 m
Marginline	fore PS	-0.736 m
Marginline	aft SB	-0.459 m
Marginline	mid aft SB	-0.448 m
Marginline	mid fore SB	-0.444 m
Marginline	fore SB	-0.435 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.899 m
Marginline	mid fore PS	-0.896 m
Marginline	aft PS	-0.835 m
Marginline	fore PS	-0.736 m
Marginline	aft SB	-0.459 m
Marginline	mid aft SB	-0.448 m
Marginline	mid fore SB	-0.444 m
Marginline	fore SB	-0.435 m

Damaged compartments and intact compartment weights (at 1.77° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	10.063	1.0000
4 A A	0.000	1.0000	3.000	1.0000
5 A	0.000	1.0000	8.758	1.0000
5 A A	6.300	1.0000	2.610	1.0000
8	0.000	1.0000	3.018	1.0000
8 A	0.000	1.0000	9.998	1.0000
9	0.000	1.0000	2.624	1.0000
9 A	0.000	1.0000	8.690	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	485.743	-4.040	3.657	-0.500	1.574
50.00	PS	485.800	-2.470	2.514	-1.063	1.437
40.00	PS	485.796	-1.446	1.770	-1.575	1.206
35.00	PS	485.815	-1.043	1.477	-1.800	1.058
30.00	PS	485.800	-0.688	1.223	-1.993	0.892
25.00	PS	485.804	-0.370	1.002	-2.143	0.712
20.00	PS	485.803	-0.083	0.808	-2.219	0.520
15.00	PS	485.804	0.172	0.611	-2.166	0.328
10.00	PS	489.150	0.385	0.396	-1.864	0.149
5.00	PS	510.805	0.532	0.133	-0.866	0.025
2.00	PS	532.832	0.593	-0.013	-0.063	0.000
1.77	PS	534.530	0.598	-0.024	0.000	0.000
0.00		547.491	0.634	-0.110	0.469	0.007
2.00	SB	562.094	0.675	-0.207	1.002	0.033
5.00	SB	583.989	0.734	-0.353	1.782	0.106
10.00	SB	617.616	0.788	-0.629	2.639	0.303
15.00	SB	641.000	0.773	-0.985	3.019	0.553
20.00	SB	652.200	0.727	-1.413	3.072	0.821
25.00	SB	658.510	0.673	-1.884	2.965	1.085
30.00	SB	662.266	0.611	-2.389	2.774	1.336
35.00	SB	664.532	0.541	-2.937	2.534	1.568
40.00	SB	665.847	0.459	-3.545	2.259	1.777
50.00	SB	667.057	0.244	-5.066	1.635	2.118
60.00	SB	667.459	-0.089	-7.376	0.944	2.344

Statical angle of inclination is 1.77 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

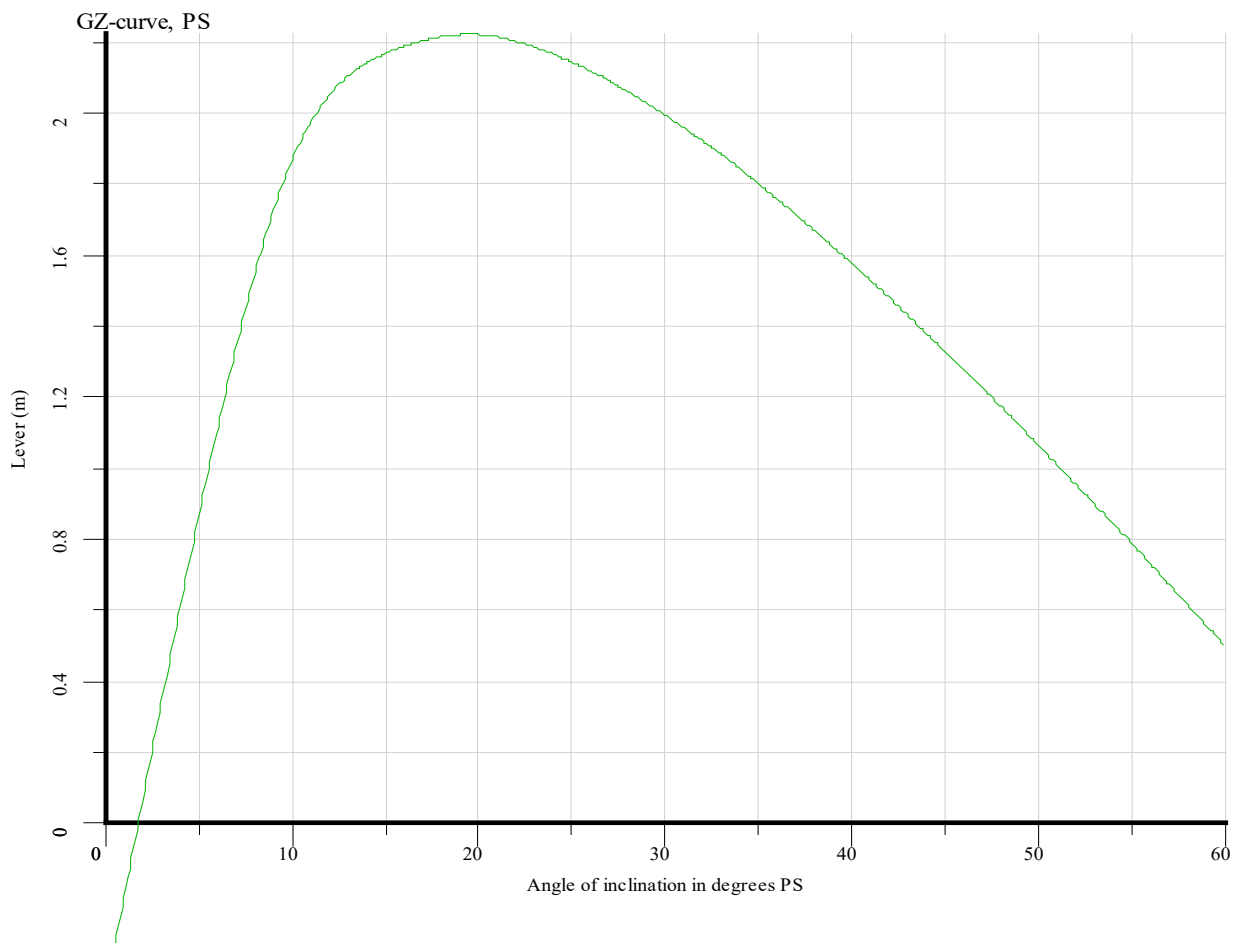
19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0654	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0953	meter
This damage case complies with the stated criteria				

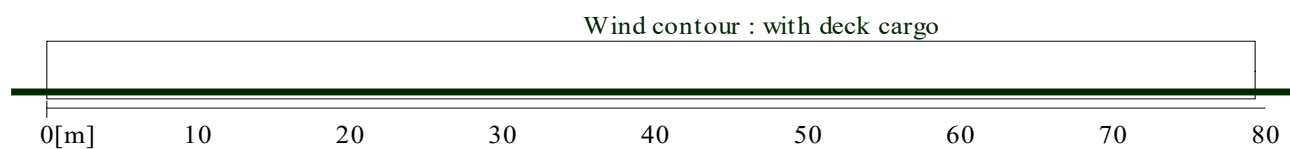
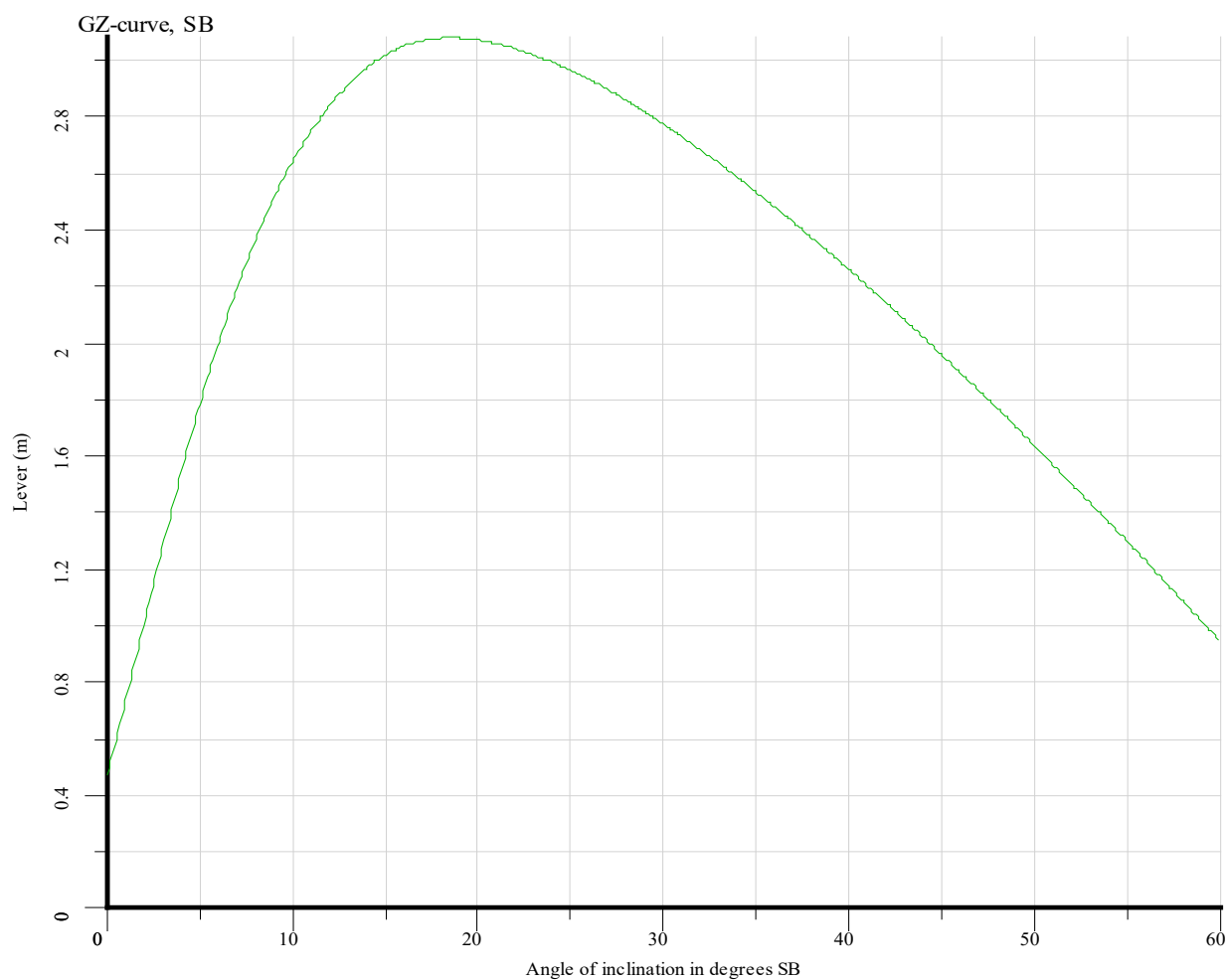


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

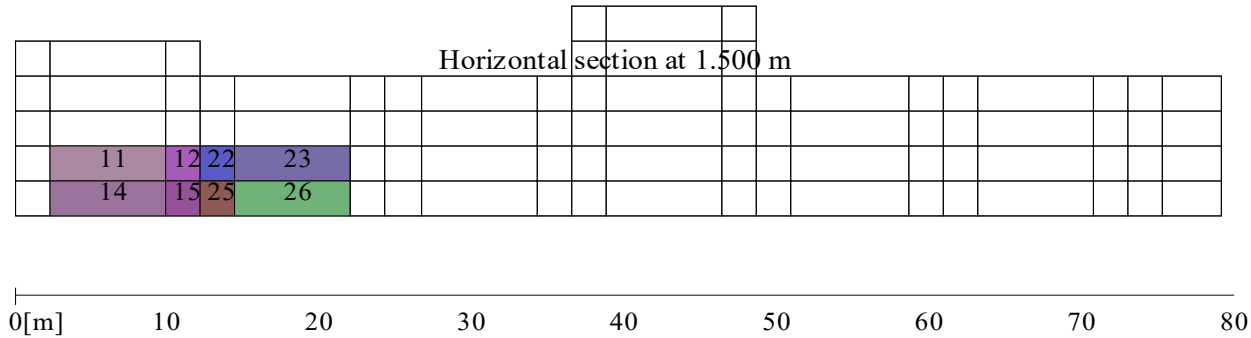


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.709 m
Marginline	mid aft PS	-1.669 m
Marginline	aft PS	-1.284 m
Marginline	fore PS	-1.280 m
Marginline	fore SB	-0.223 m
Marginline	mid fore SB	-0.123 m
Marginline	mid aft SB	-0.083 m
Marginline	aft SB	0.037 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.709 m
Marginline	mid aft PS	-1.669 m
Marginline	aft PS	-1.284 m
Marginline	fore PS	-1.280 m
Marginline	fore SB	-0.223 m
Marginline	mid fore SB	-0.123 m
Marginline	mid aft SB	-0.083 m
Marginline	aft SB	0.037 m

Damaged compartments and intact compartment weights (at 6.22° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	17.557	1.0000
10 A A	0.000	1.0000	5.334	1.0000
14	0.000	1.0000	8.176	1.0000
14 A	0.000	1.0000	27.394	1.0000
15	0.000	1.0000	6.840	1.0000
15 A	0.000	1.0000	23.022	1.0000
16	0.000	1.0000	5.412	1.0000
16 A	0.000	1.0000	18.264	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	673.566	-1.966	3.180	0.040	0.705
50.00	PS	673.066	-1.048	2.193	-0.370	0.675
40.00	PS	671.204	-0.455	1.552	-0.753	0.577
35.00	PS	669.476	-0.223	1.299	-0.925	0.503
30.00	PS	666.964	-0.020	1.076	-1.073	0.416
25.00	PS	663.255	0.163	0.875	-1.184	0.317
20.00	PS	657.492	0.331	0.690	-1.223	0.211
15.00	PS	648.350	0.482	0.531	-1.115	0.108
10.00	PS	631.912	0.596	0.362	-0.705	0.025
6.22	PS	602.937	0.621	0.266	0.000	0.000
5.00	PS	593.557	0.629	0.235	0.273	0.003
2.00	PS	567.831	0.636	0.190	0.956	0.035
0.00		550.774	0.641	0.159	1.407	0.076
2.00	SB	533.652	0.646	0.129	1.856	0.133
5.00	SB	509.962	0.652	0.083	2.519	0.248
10.00	SB	494.016	0.623	0.087	3.267	0.504
15.00	SB	492.110	0.517	0.109	3.577	0.805
20.00	SB	492.100	0.356	0.137	3.654	1.122
25.00	SB	492.094	0.178	0.175	3.548	1.438
30.00	SB	492.101	-0.015	0.217	3.342	1.739
35.00	SB	492.107	-0.229	0.263	3.077	2.019
40.00	SB	492.099	-0.471	0.315	2.770	2.275
50.00	SB	492.101	-1.084	0.448	2.066	2.698
60.00	SB	492.108	-2.025	0.651	1.280	2.991

Statical angle of inclination is 6.22 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

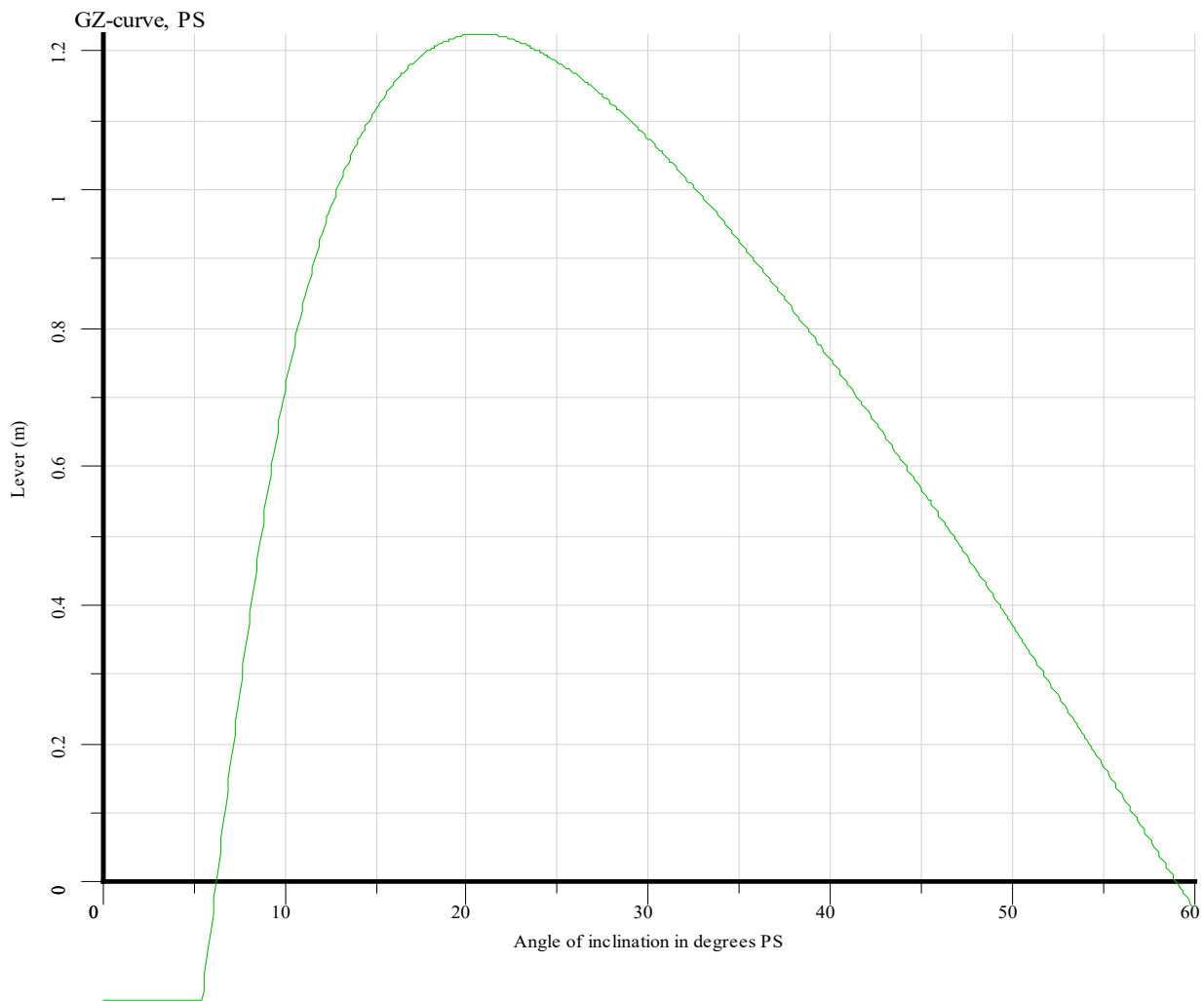
19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2 L PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.2402	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.2824	meter
This damage case complies with the stated criteria				

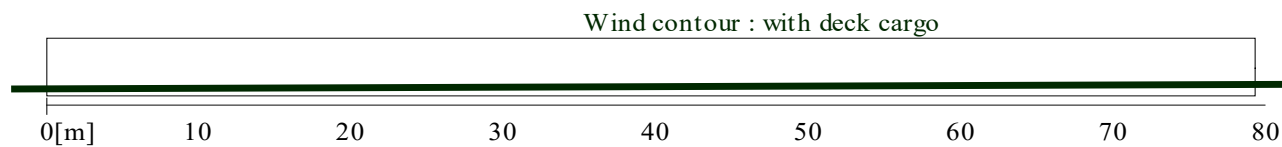
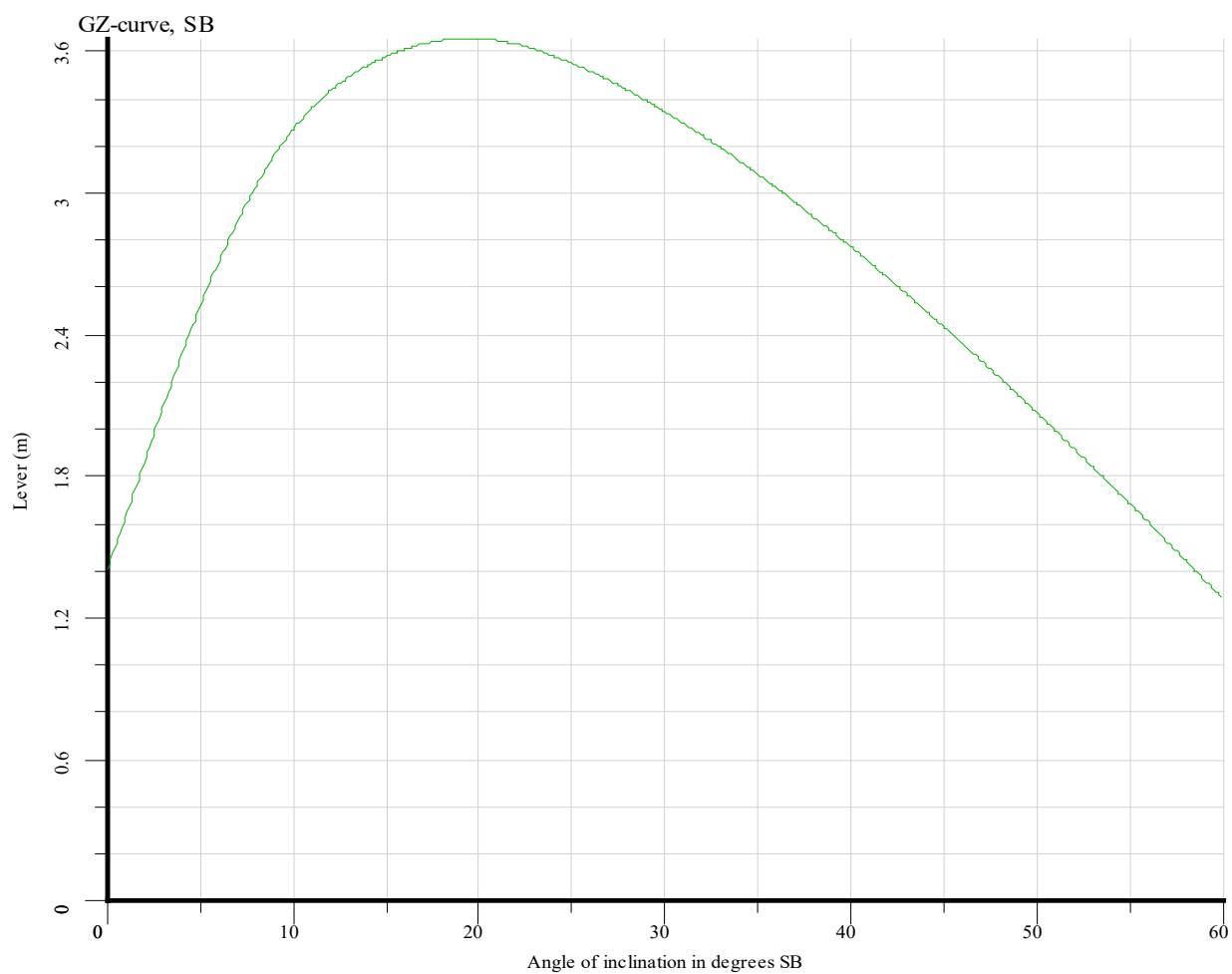


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

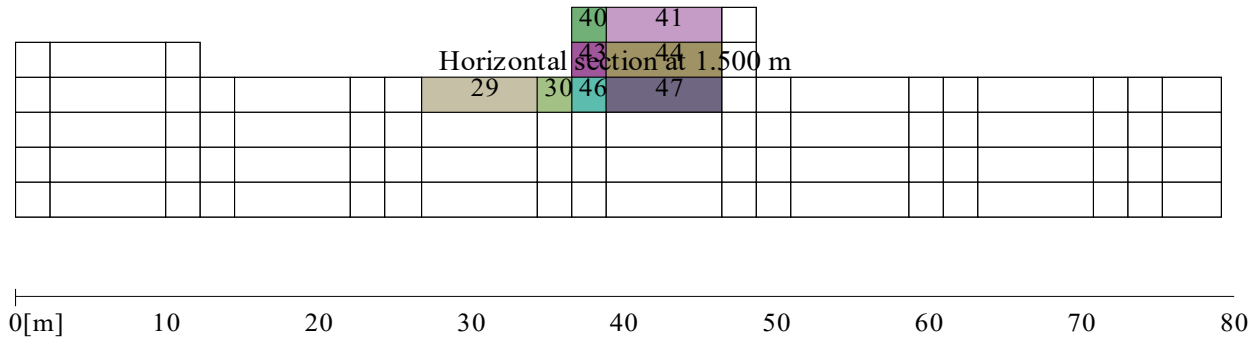


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.390 m
Marginline	mid aft PS	-1.360 m
Marginline	fore PS	-1.099 m
Marginline	aft PS	-1.087 m
Marginline	fore SB	-0.365 m
Marginline	mid fore SB	-0.289 m
Marginline	mid aft SB	-0.259 m
Marginline	aft SB	-0.169 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.390 m
Marginline	mid aft PS	-1.360 m
Marginline	fore PS	-1.099 m
Marginline	aft PS	-1.087 m
Marginline	fore SB	-0.365 m
Marginline	mid fore SB	-0.289 m
Marginline	mid aft SB	-0.259 m
Marginline	aft SB	-0.169 m

Damaged compartments and intact compartment weights (at 4.32° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	15.690	1.0000
10 A A	0.000	1.0000	4.755	1.0000
11 A	0.000	1.0000	12.438	1.0000
11 A A	0.000	1.0000	3.783	1.0000
15	0.000	1.0000	5.793	1.0000
15 A	0.000	1.0000	19.455	1.0000
16	0.000	1.0000	4.819	1.0000
16 A	0.000	1.0000	16.225	1.0000
17	0.000	1.0000	3.840	1.0000
17 A	0.000	1.0000	12.972	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	646.905	-2.261	2.986	-0.279	1.207
50.00	PS	646.893	-1.247	2.054	-0.782	1.114
40.00	PS	646.918	-0.585	1.447	-1.246	0.936
35.00	PS	646.908	-0.324	1.207	-1.455	0.818
30.00	PS	646.908	-0.094	0.995	-1.637	0.683
25.00	PS	646.642	0.114	0.804	-1.780	0.533
20.00	PS	644.212	0.300	0.630	-1.848	0.374
15.00	PS	637.700	0.464	0.484	-1.763	0.216
10.00	PS	622.081	0.582	0.323	-1.377	0.074
5.00	PS	595.765	0.631	0.207	-0.192	0.001
4.32	PS	591.879	0.635	0.198	0.000	0.000
2.00	PS	578.733	0.649	0.167	0.653	0.013
0.00		567.455	0.660	0.140	1.213	0.046
2.00	SB	556.106	0.671	0.114	1.771	0.098
5.00	SB	538.793	0.686	0.073	2.575	0.212
10.00	SB	514.691	0.653	0.072	3.342	0.476
15.00	SB	502.037	0.536	0.100	3.622	0.782
20.00	SB	495.437	0.364	0.134	3.669	1.101
25.00	SB	492.710	0.180	0.175	3.550	1.417
30.00	SB	492.100	-0.015	0.217	3.342	1.718
35.00	SB	492.100	-0.229	0.263	3.077	1.999
40.00	SB	492.082	-0.471	0.316	2.770	2.254
50.00	SB	492.109	-1.084	0.447	2.066	2.678
60.00	SB	492.095	-2.025	0.652	1.280	2.971

Statical angle of inclination is 4.32 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2 L PS 2

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.5695

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

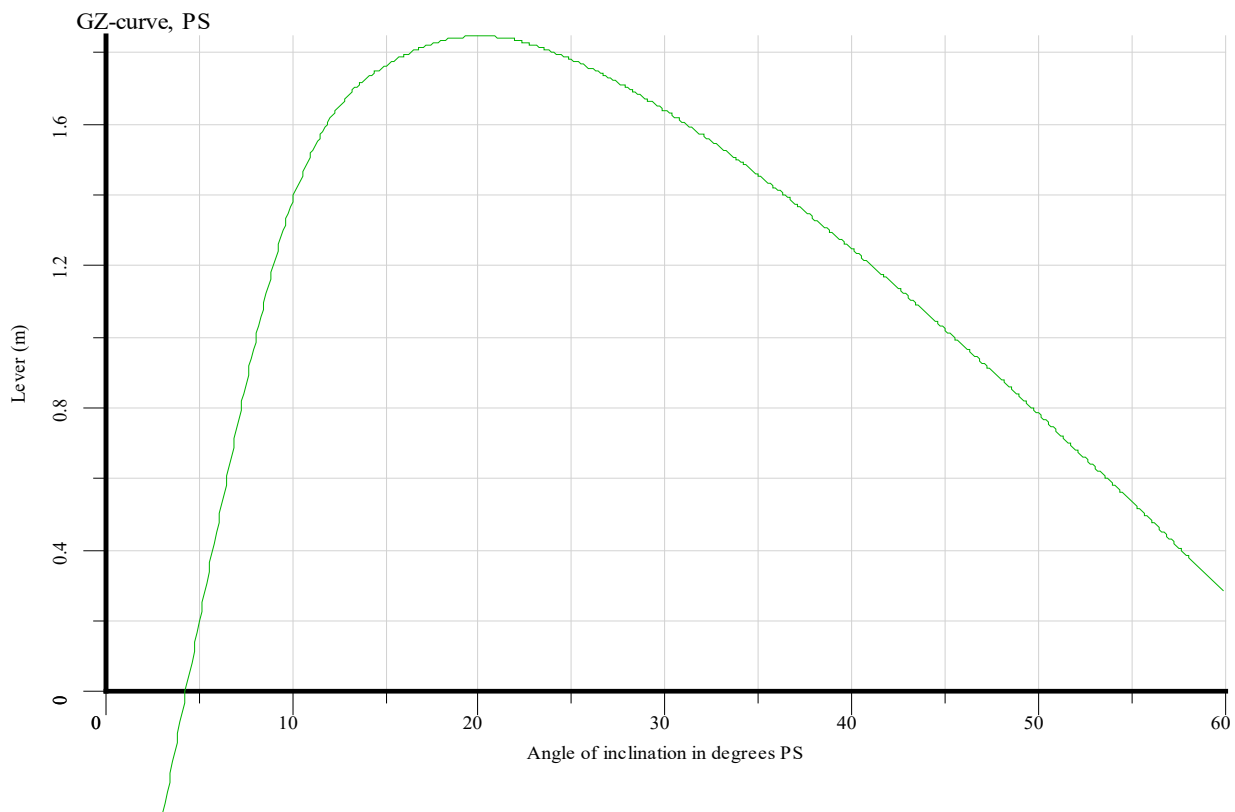
0.1000

Value

0.6015

meter

This damage case complies with the stated criteria

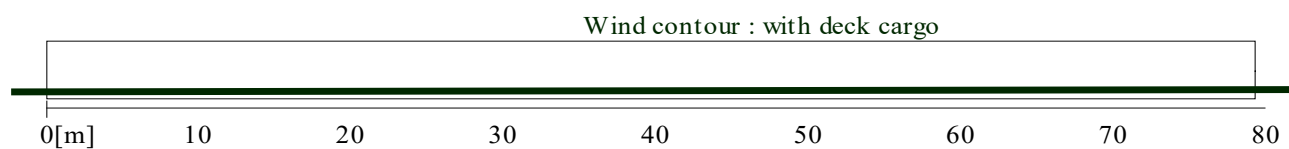
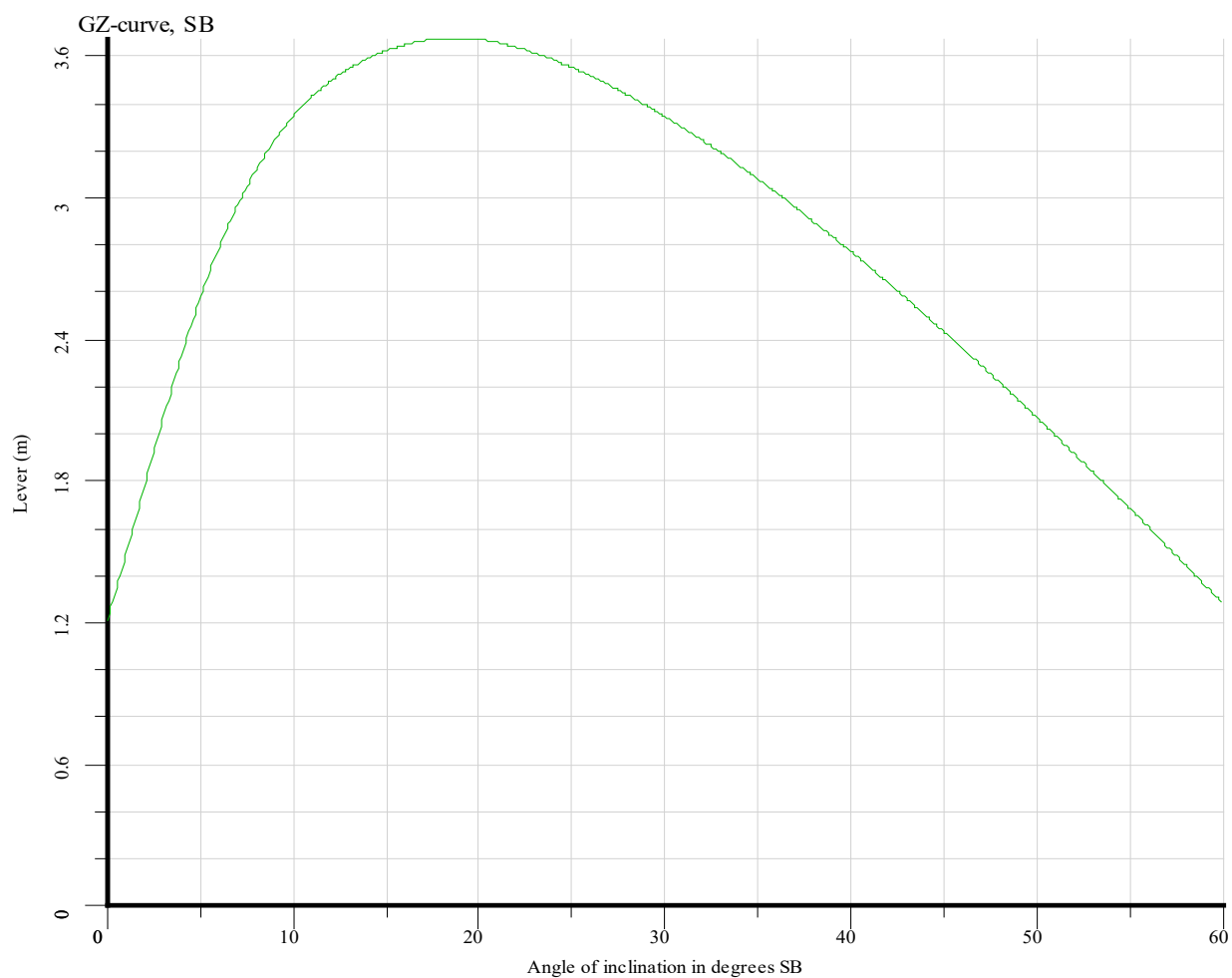


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

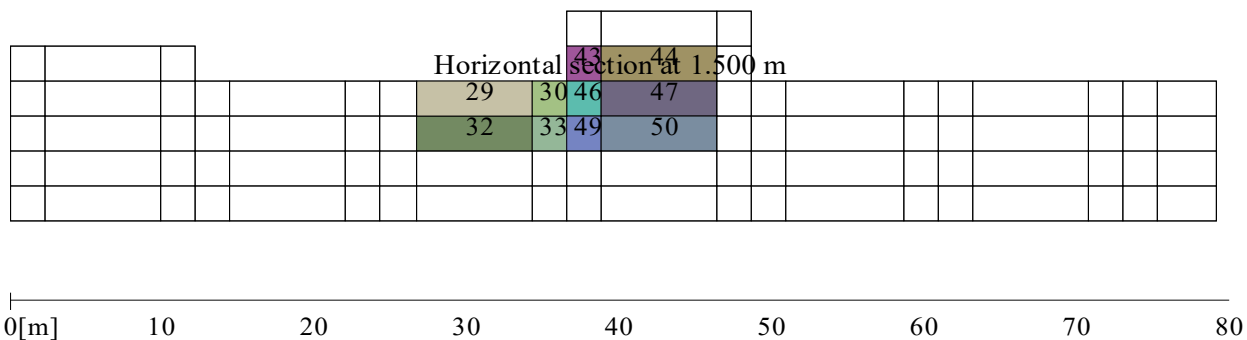
Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.767 m
Marginline	mid aft PS	-1.705 m
Marginline	fore PS	-1.377 m
Marginline	aft PS	-1.243 m
Marginline	fore SB	-0.282 m
Marginline	mid fore SB	-0.125 m
Marginline	mid aft SB	-0.062 m
Marginline	aft SB	0.125 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.767 m
Marginline	mid aft PS	-1.705 m
Marginline	fore PS	-1.377 m
Marginline	aft PS	-1.243 m
Marginline	fore SB	-0.282 m
Marginline	mid fore SB	-0.125 m
Marginline	mid aft SB	-0.062 m
Marginline	aft SB	0.125 m

Damaged compartments and intact compartment weights (at 6.45° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	28.104	1.0000
14 A A	0.000	1.0000	8.503	1.0000
15 A	0.000	1.0000	23.652	1.0000
15 A A	0.000	1.0000	7.215	1.0000
16 A	0.000	1.0000	18.696	1.0000
16 A A	0.000	1.0000	5.722	1.0000
20	0.000	1.0000	5.824	1.0000
20 A	0.000	1.0000	19.789	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	673.453	-1.967	5.377	0.081	0.641
50.00	PS	673.442	-1.045	3.700	-0.317	0.619
40.00	PS	673.075	-0.445	2.604	-0.686	0.531
35.00	PS	672.398	-0.210	2.171	-0.851	0.464
30.00	PS	670.935	-0.005	1.785	-0.993	0.383
25.00	PS	668.200	0.178	1.431	-1.099	0.291
20.00	PS	663.321	0.344	1.106	-1.136	0.193
15.00	PS	654.005	0.490	0.816	-1.036	0.097
10.00	PS	636.228	0.600	0.555	-0.629	0.021
6.45	PS	608.275	0.625	0.416	0.000	0.000
5.00	PS	596.890	0.634	0.360	0.311	0.004
2.00	PS	570.503	0.640	0.288	0.987	0.038
0.00		552.994	0.644	0.240	1.433	0.080
2.00	SB	535.447	0.648	0.192	1.877	0.138
5.00	SB	510.960	0.653	0.120	2.530	0.254
10.00	SB	494.322	0.623	0.093	3.269	0.510
15.00	SB	492.108	0.517	0.109	3.577	0.811
20.00	SB	492.100	0.356	0.137	3.654	1.128
25.00	SB	492.087	0.178	0.176	3.548	1.443
30.00	SB	492.106	-0.015	0.217	3.343	1.745
35.00	SB	492.096	-0.229	0.263	3.077	2.025
40.00	SB	492.101	-0.471	0.316	2.770	2.281
50.00	SB	492.090	-1.084	0.448	2.066	2.704
60.00	SB	492.110	-2.025	0.651	1.280	2.997

Statical angle of inclination is 6.45 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

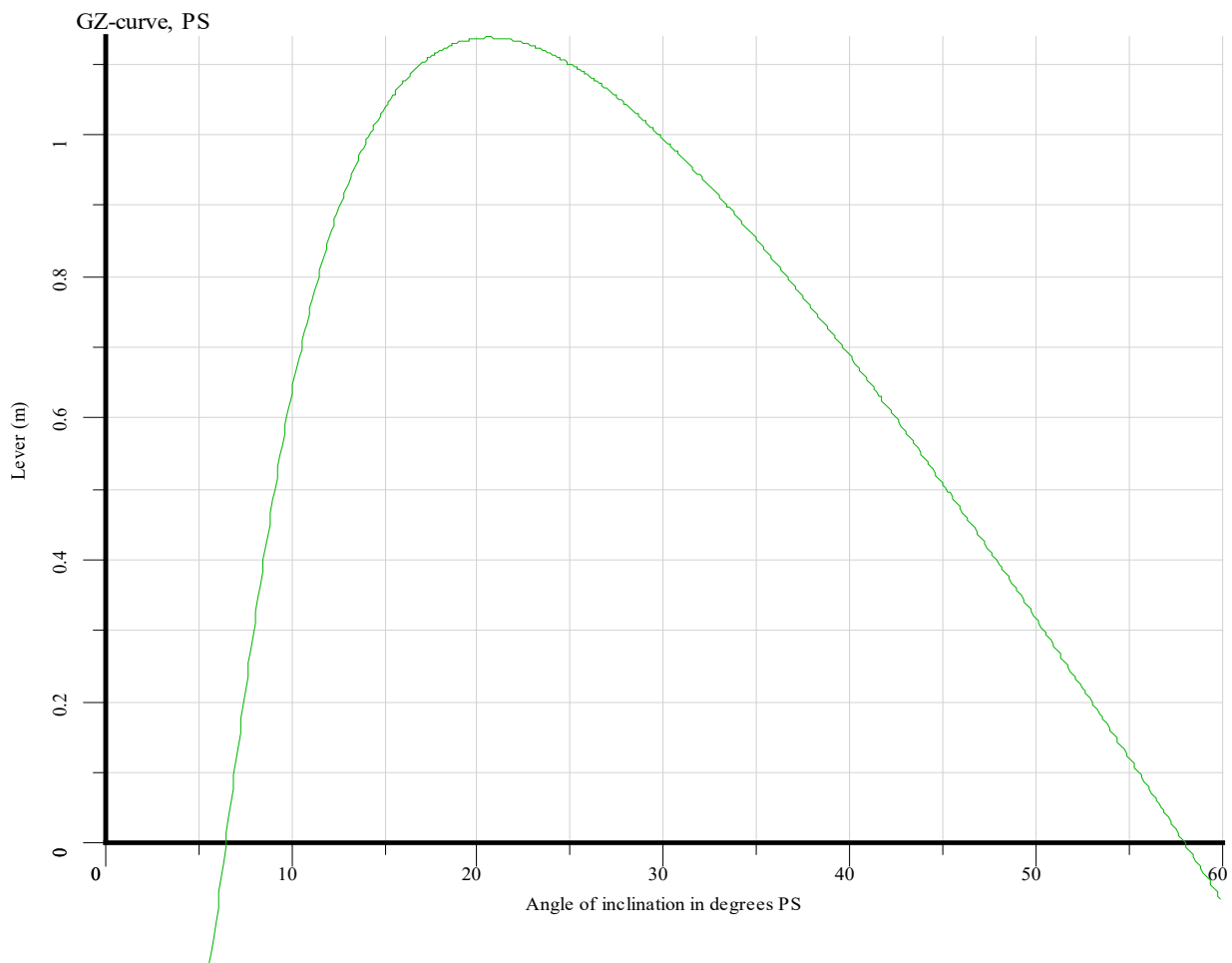
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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.1794	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.2240	meter
This damage case complies with the stated criteria				

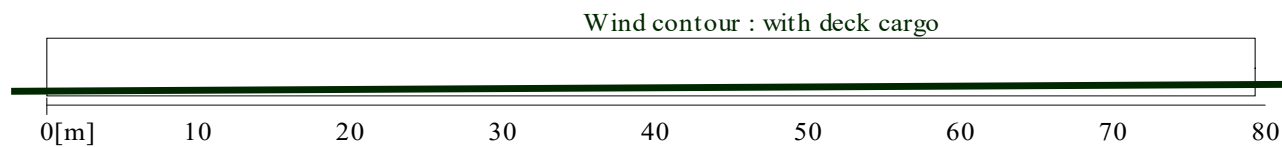
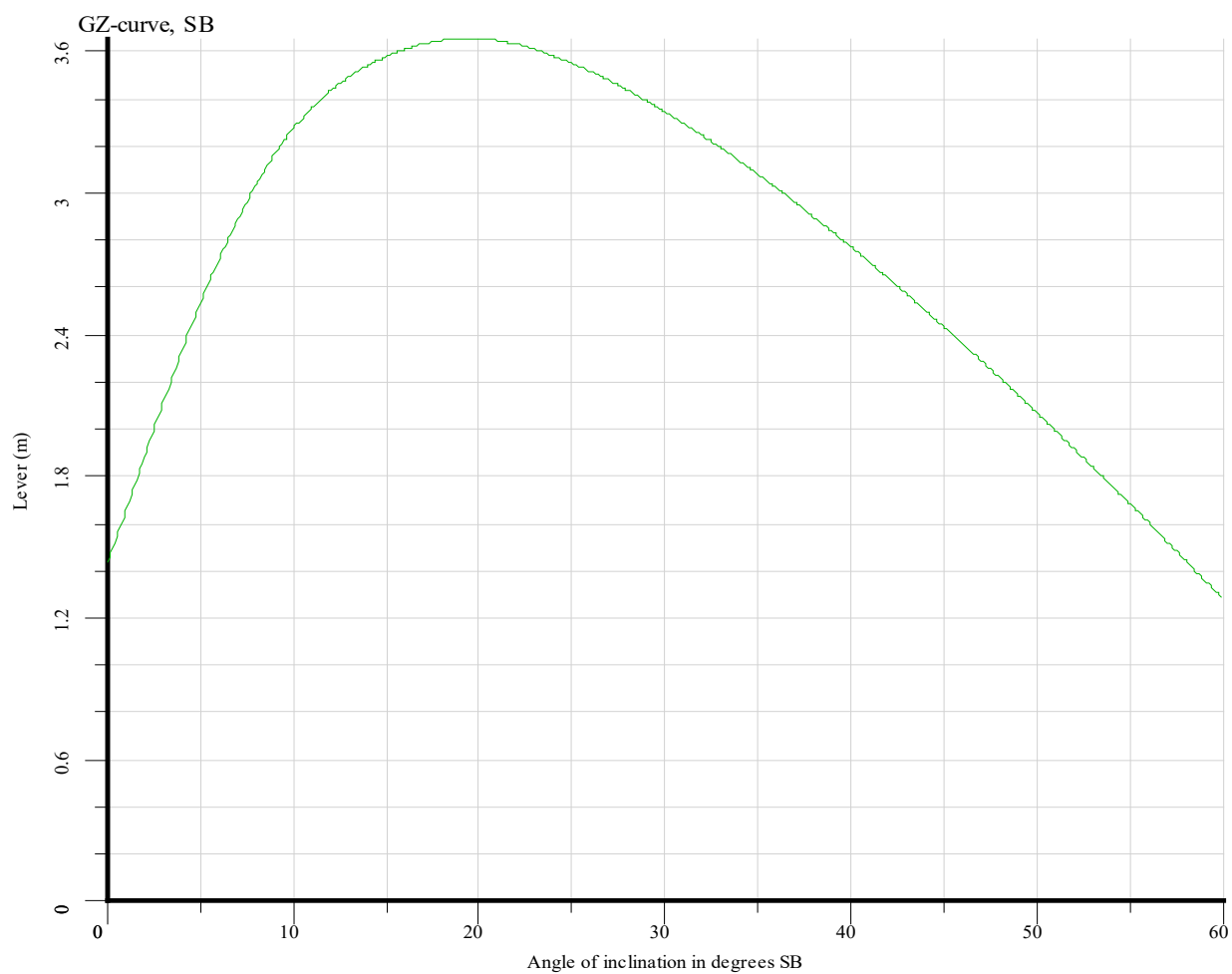


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

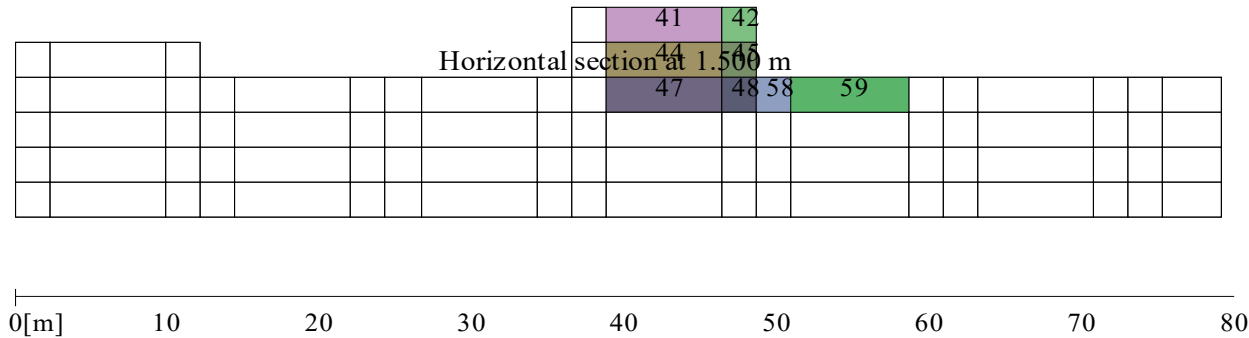


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.447 m
Marginline	mid aft PS	-1.388 m
Marginline	fore PS	-1.215 m
Marginline	aft PS	-1.021 m
Marginline	fore SB	-0.454 m
Marginline	mid fore SB	-0.306 m
Marginline	mid aft SB	-0.247 m
Marginline	aft SB	-0.071 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.447 m
Marginline	mid aft PS	-1.388 m
Marginline	fore PS	-1.215 m
Marginline	aft PS	-1.021 m
Marginline	fore SB	-0.454 m
Marginline	mid fore SB	-0.306 m
Marginline	mid aft SB	-0.247 m
Marginline	aft SB	-0.071 m

Damaged compartments and intact compartment weights (at 4.47° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	20.028	1.0000
15 A A	0.000	1.0000	6.113	1.0000
16 A	0.000	1.0000	16.683	1.0000
16 A A	0.000	1.0000	5.115	1.0000
17 A	0.000	1.0000	13.312	1.0000
17 A A	0.000	1.0000	4.107	1.0000
20	0.000	1.0000	5.210	1.0000
20 A	0.000	1.0000	17.732	1.0000
21	0.000	1.0000	4.195	1.0000
21 A	0.000	1.0000	14.360	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	668.832	-2.018	5.765	-0.230	1.129
50.00	PS	668.832	-1.080	3.967	-0.718	1.046
40.00	PS	668.768	-0.468	2.792	-1.171	0.880
35.00	PS	668.434	-0.228	2.327	-1.373	0.769
30.00	PS	667.450	-0.018	1.912	-1.549	0.641
25.00	PS	665.105	0.169	1.533	-1.683	0.500
20.00	PS	660.369	0.337	1.185	-1.744	0.350
15.00	PS	650.700	0.483	0.873	-1.665	0.200
10.00	PS	631.224	0.592	0.596	-1.276	0.067
5.00	PS	602.174	0.641	0.400	-0.146	0.001
4.47	PS	598.977	0.644	0.388	0.000	0.000
2.00	PS	584.065	0.657	0.333	0.693	0.015
0.00		572.044	0.667	0.288	1.248	0.049
2.00	SB	560.007	0.678	0.244	1.801	0.102
5.00	SB	541.619	0.691	0.176	2.601	0.218
10.00	SB	516.124	0.655	0.136	3.347	0.483
15.00	SB	502.830	0.537	0.136	3.625	0.789
20.00	SB	495.886	0.365	0.149	3.671	1.109
25.00	SB	492.922	0.181	0.179	3.551	1.425
30.00	SB	492.104	-0.015	0.217	3.342	1.726
35.00	SB	492.100	-0.229	0.263	3.077	2.007
40.00	SB	492.100	-0.471	0.315	2.770	2.262
50.00	SB	492.100	-1.084	0.448	2.066	2.685
60.00	SB	492.087	-2.025	0.651	1.280	2.978

Statical angle of inclination is 4.47 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

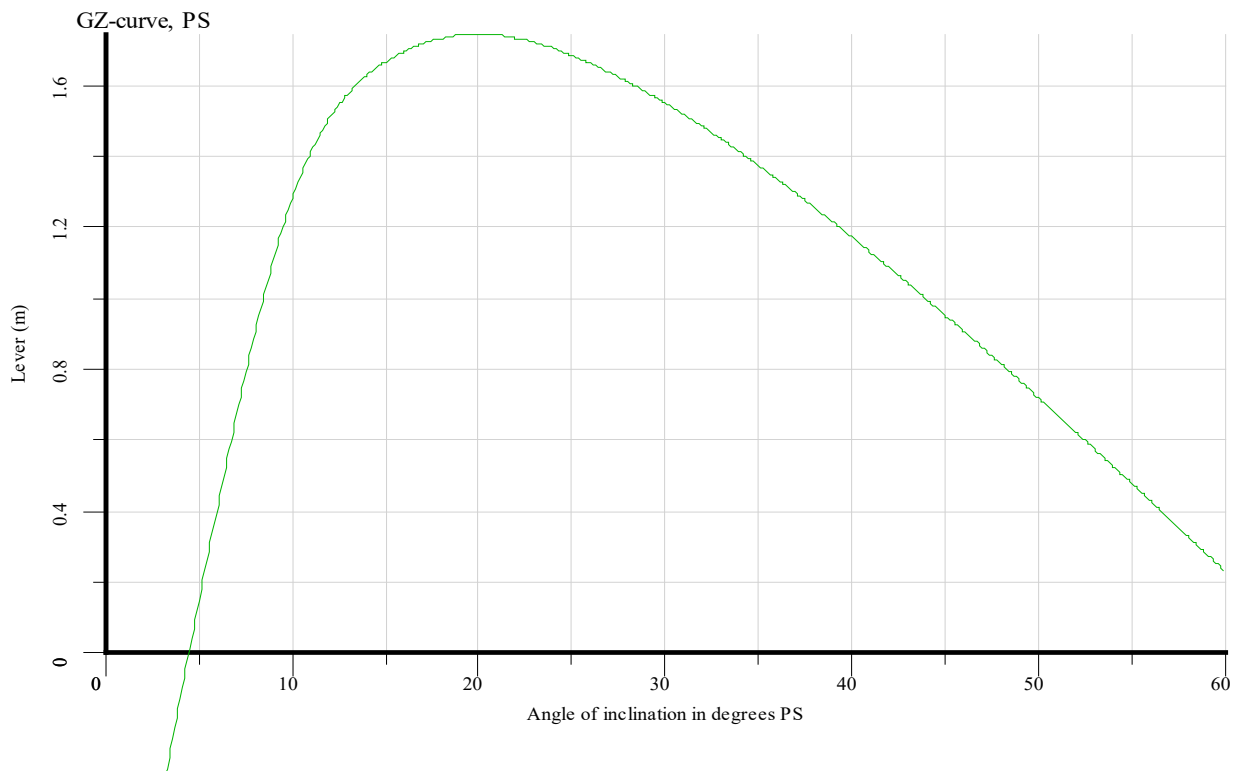
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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5122	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5449	meter
This damage case complies with the stated criteria				

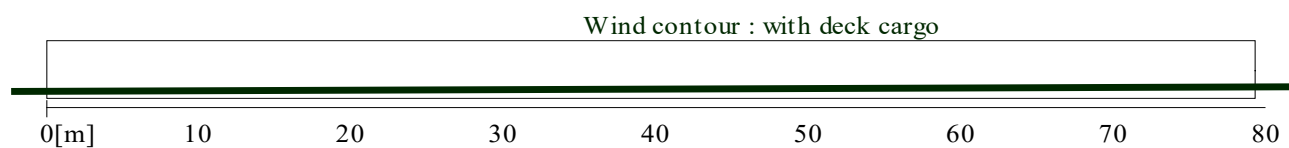
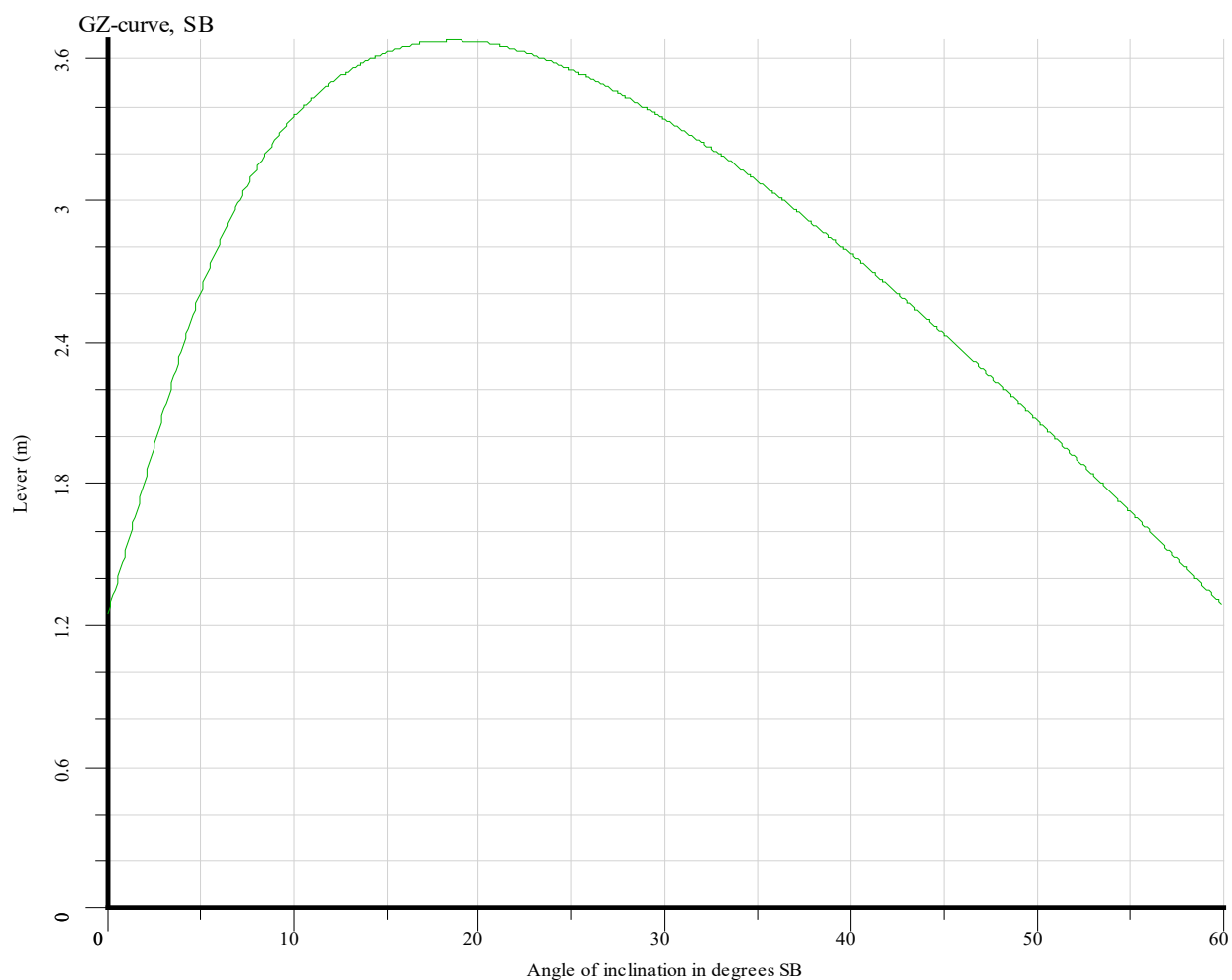


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

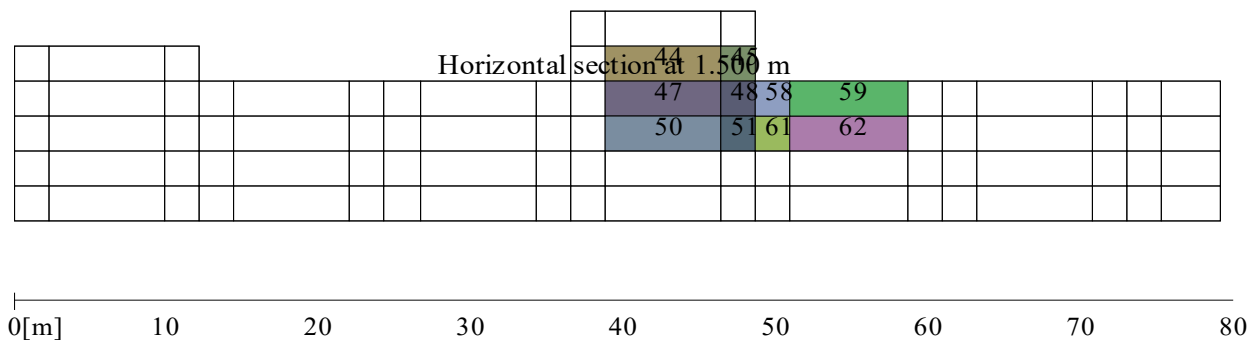
Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.448 m
Marginline	mid fore PS	-1.375 m
Marginline	mid aft PS	-1.231 m
Marginline	fore SB	-0.868 m
Marginline	aft PS	-0.651 m
Marginline	mid fore SB	-0.505 m
Marginline	mid aft SB	-0.360 m
Marginline	aft SB	0.074 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.448 m
Marginline	mid fore PS	-1.375 m
Marginline	mid aft PS	-1.231 m
Marginline	fore SB	-0.868 m
Marginline	aft PS	-0.651 m
Marginline	mid fore SB	-0.505 m
Marginline	mid aft SB	-0.360 m
Marginline	aft SB	0.074 m

Damaged compartments and intact compartment weights (at 3.41^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	21.756	1.0000
24 A A	0.000	1.0000	6.812	1.0000
25 A	0.000	1.0000	19.205	1.0000
25 A A	0.000	1.0000	6.055	1.0000
26 A	0.000	1.0000	16.642	1.0000
26 A A	0.000	1.0000	5.288	1.0000
28	0.000	1.0000	7.005	1.0000
28 A	0.000	1.0000	11.931	1.0000
29	0.000	1.0000	6.243	1.0000
29 A	0.000	1.0000	10.670	1.0000
30	0.000	1.0000	5.471	1.0000
30 A	0.000	1.0000	9.389	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	683.029	-1.862	13.550	-0.286	1.243
50.00	PS	682.255	-0.978	9.294	-0.790	1.149
40.00	PS	680.706	-0.406	6.508	-1.255	0.970
35.00	PS	679.352	-0.183	5.407	-1.462	0.851
30.00	PS	677.326	0.012	4.432	-1.643	0.715
25.00	PS	674.084	0.186	3.549	-1.785	0.565
20.00	PS	668.815	0.340	2.745	-1.862	0.405
15.00	PS	659.948	0.474	2.024	-1.818	0.244
10.00	PS	643.926	0.586	1.421	-1.481	0.096
5.00	PS	623.449	0.670	1.015	-0.455	0.006
3.41	PS	618.866	0.685	0.958	0.000	0.000
2.00	PS	614.806	0.699	0.908	0.428	0.005
0.00		609.519	0.717	0.850	1.032	0.031
2.00	SB	604.232	0.735	0.792	1.635	0.077
5.00	SB	596.815	0.760	0.724	2.508	0.186
10.00	SB	580.414	0.737	0.684	3.328	0.447
15.00	SB	562.314	0.636	0.710	3.657	0.754
20.00	SB	553.647	0.499	0.827	3.690	1.076
25.00	SB	550.643	0.352	1.016	3.561	1.393
30.00	SB	550.272	0.199	1.251	3.342	1.695
35.00	SB	550.268	0.031	1.518	3.069	1.975
40.00	SB	550.267	-0.159	1.820	2.757	2.230
50.00	SB	550.250	-0.643	2.584	2.051	2.651
60.00	SB	550.254	-1.383	3.751	1.266	2.941

Statical angle of inclination is 3.41 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

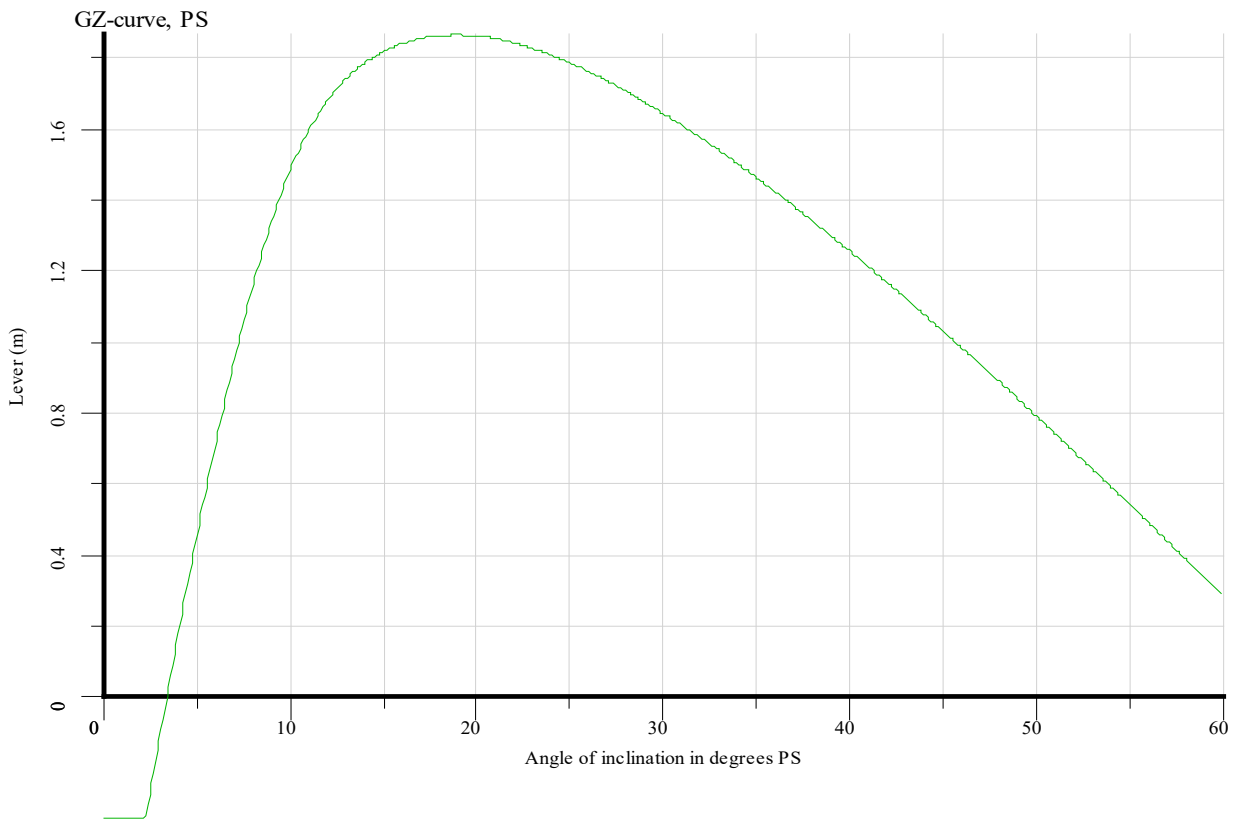
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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5213	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.5379	meter
This damage case complies with the stated criteria				

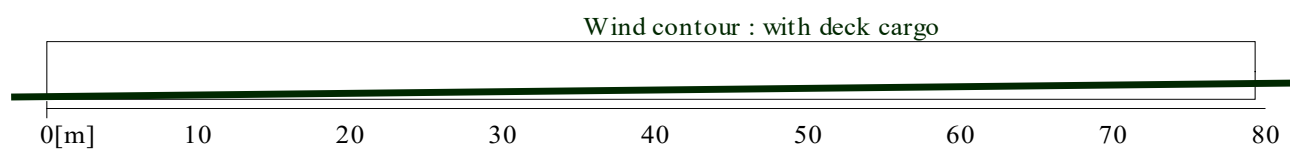
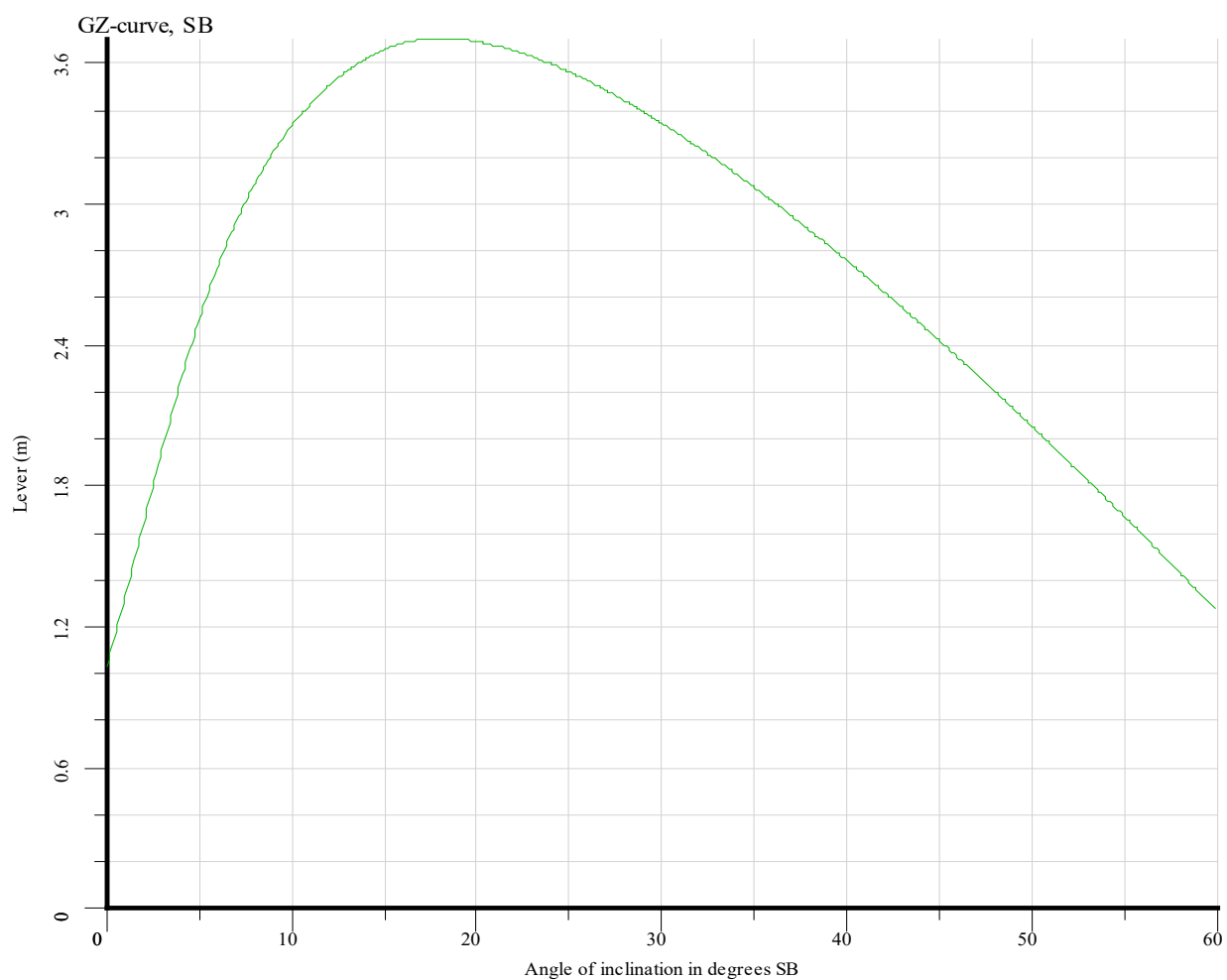


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

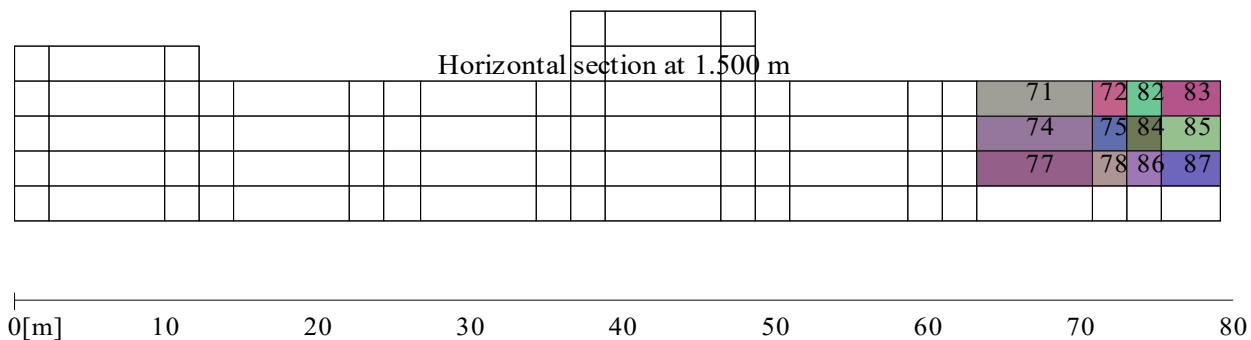
Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.312 m
Marginline	fore PS	-1.255 m
Marginline	mid aft PS	-1.212 m
Marginline	aft PS	-0.761 m
Marginline	fore SB	-0.642 m
Marginline	mid fore SB	-0.392 m
Marginline	mid aft SB	-0.293 m
Marginline	aft SB	0.006 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.312 m
Marginline	fore PS	-1.255 m
Marginline	mid aft PS	-1.212 m
Marginline	aft PS	-0.761 m
Marginline	fore SB	-0.642 m
Marginline	mid fore SB	-0.392 m
Marginline	mid aft SB	-0.293 m
Marginline	aft SB	0.006 m

Damaged compartments and intact compartment weights (at 3.60° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	19.081	1.0000
24 A A	0.000	1.0000	5.918	1.0000
25 A	0.000	1.0000	16.368	1.0000
25 A A	0.000	1.0000	5.109	1.0000
28	0.000	1.0000	6.059	1.0000
28 A	0.000	1.0000	10.260	1.0000
29	0.000	1.0000	5.245	1.0000
29 A	0.000	1.0000	8.915	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	638.093	-2.358	11.078	-0.293	1.245
50.00	PS	637.284	-1.320	7.597	-0.798	1.150
40.00	PS	635.640	-0.646	5.314	-1.263	0.969
35.00	PS	634.152	-0.383	4.409	-1.469	0.850
30.00	PS	631.906	-0.153	3.607	-1.650	0.713
25.00	PS	628.494	0.052	2.881	-1.792	0.563
20.00	PS	623.089	0.236	2.216	-1.867	0.402
15.00	PS	613.752	0.398	1.619	-1.818	0.240
10.00	PS	595.429	0.528	1.093	-1.477	0.093
5.00	PS	574.288	0.611	0.713	-0.410	0.005
3.60	PS	569.185	0.623	0.661	0.000	0.000
2.00	PS	563.331	0.636	0.602	0.495	0.007
0.00		556.091	0.652	0.534	1.102	0.035
2.00	SB	548.975	0.667	0.464	1.708	0.084
5.00	SB	538.054	0.688	0.364	2.580	0.197
10.00	SB	516.984	0.655	0.263	3.351	0.461
15.00	SB	502.928	0.536	0.204	3.626	0.768
20.00	SB	496.105	0.366	0.182	3.671	1.088
25.00	SB	493.177	0.182	0.191	3.552	1.404
30.00	SB	492.167	-0.015	0.218	3.343	1.705
35.00	SB	492.100	-0.229	0.263	3.077	1.986
40.00	SB	492.100	-0.471	0.315	2.770	2.241
50.00	SB	492.094	-1.084	0.448	2.066	2.665
60.00	SB	492.100	-2.025	0.651	1.280	2.957

Statical angle of inclination is 3.60 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

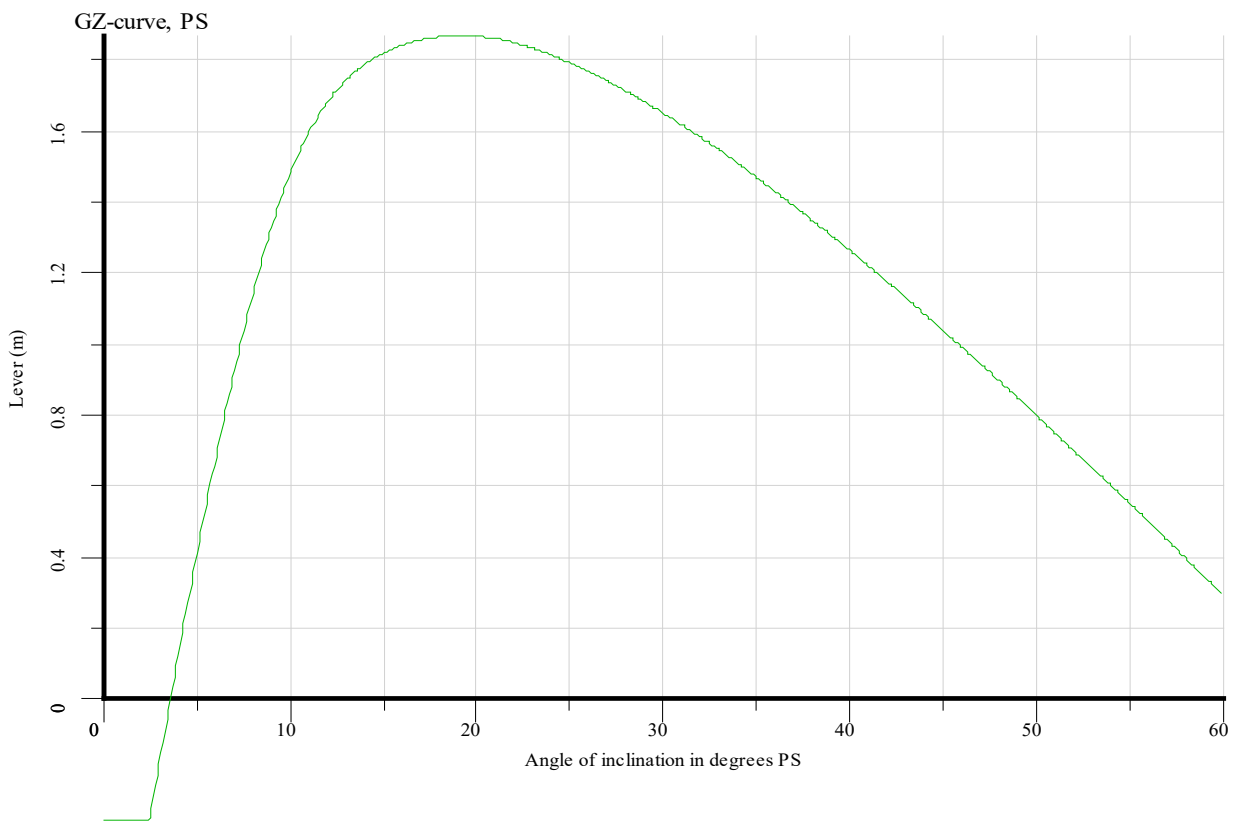
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Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6507	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6805	meter
This damage case complies with the stated criteria				

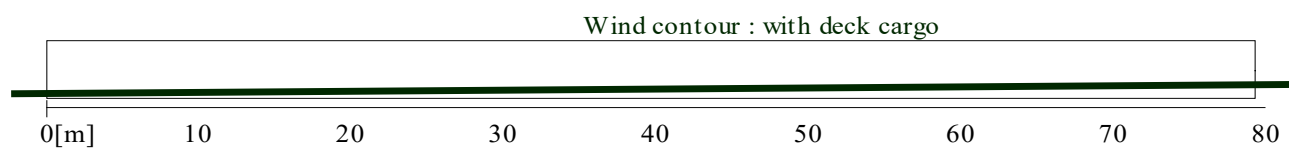
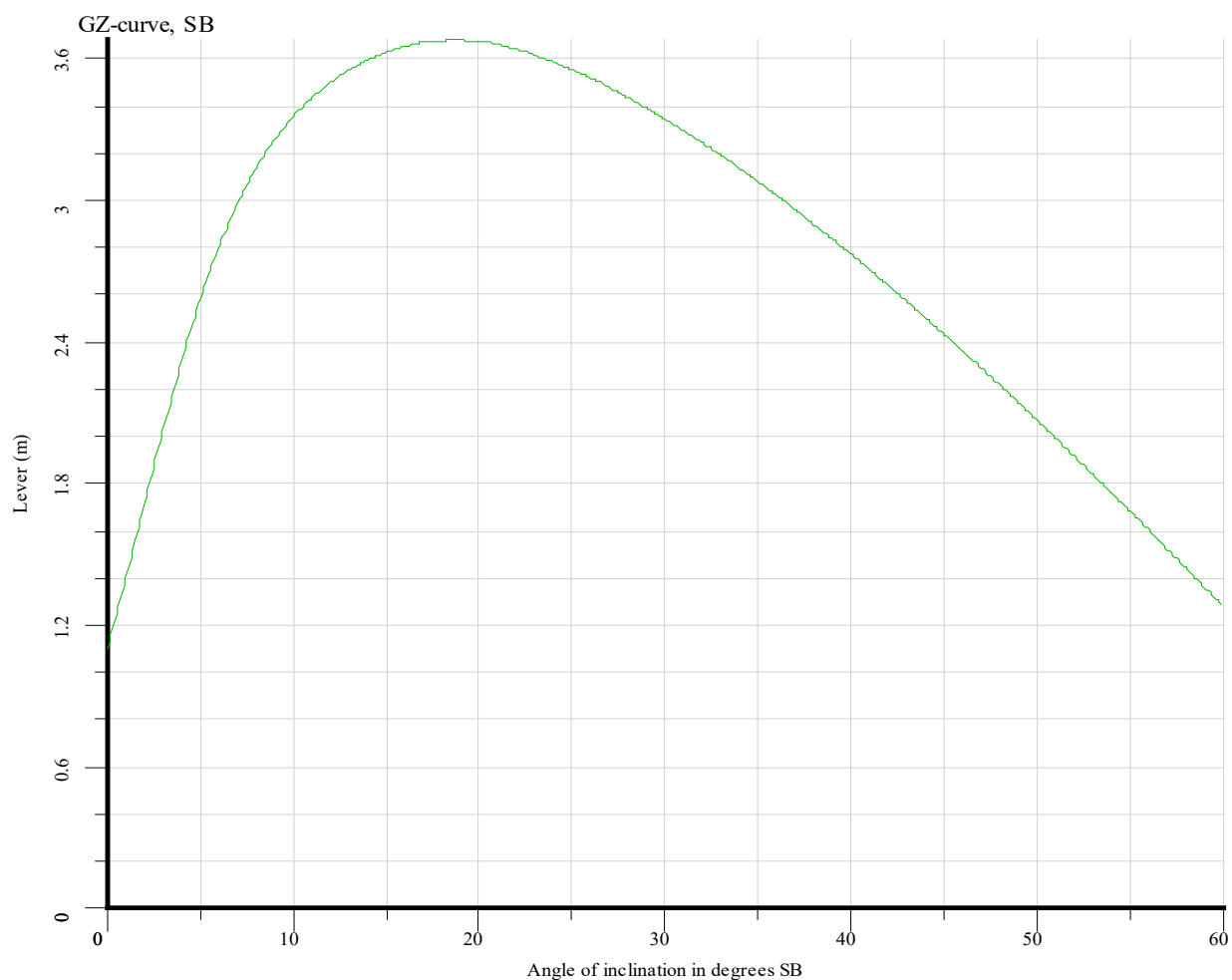


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

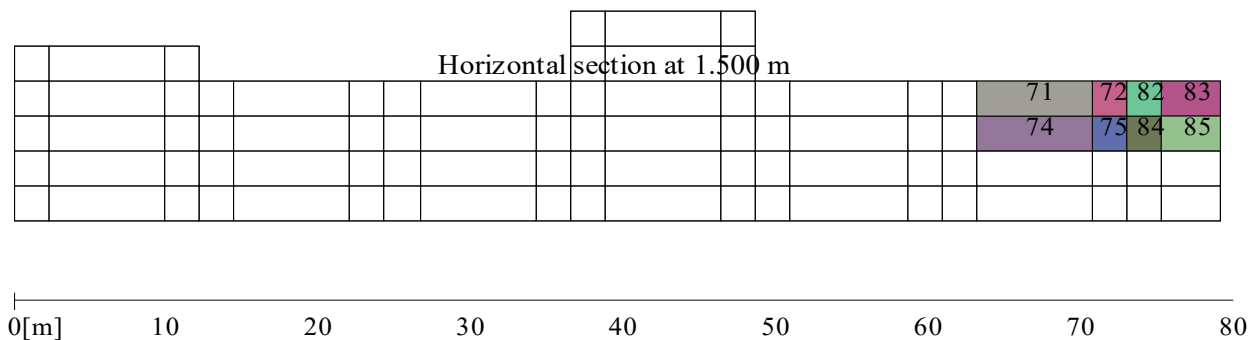
Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 3

Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.234 m
Marginline	mid fore PS	-1.049 m
Marginline	fore SB	-0.967 m
Marginline	mid aft PS	-0.922 m
Marginline	mid fore SB	-0.649 m
Marginline	mid aft SB	-0.523 m
Marginline	aft PS	-0.475 m
Marginline	aft SB	-0.142 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.234 m
Marginline	mid fore PS	-1.049 m
Marginline	fore SB	-0.967 m
Marginline	mid aft PS	-0.922 m
Marginline	mid fore SB	-0.649 m
Marginline	mid aft SB	-0.523 m
Marginline	aft PS	-0.475 m
Marginline	aft SB	-0.142 m

Damaged compartments and intact compartment weights (at 1.56° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	17.756	1.0000
25 A A	0.000	1.0000	5.579	1.0000
26 A	0.000	1.0000	16.581	1.0000
26 A A	0.000	1.0000	5.228	1.0000
27 A	0.000	1.0000	15.405	1.0000
27 A A	0.000	1.0000	4.877	1.0000
29	0.000	1.0000	5.744	1.0000
29 A	0.000	1.0000	9.799	1.0000
30	0.000	1.0000	5.391	1.0000
30 A	0.000	1.0000	9.213	1.0000
31	0.000	1.0000	5.037	1.0000
31 A	0.000	1.0000	8.628	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	516.299	-3.702	4.676	-0.554	1.681
50.00	PS	516.604	-2.236	3.222	-1.134	1.534
40.00	PS	518.259	-1.273	2.310	-1.663	1.288
35.00	PS	520.065	-0.890	1.966	-1.897	1.133
30.00	PS	522.766	-0.552	1.673	-2.101	0.958
25.00	PS	526.780	-0.247	1.421	-2.263	0.767
20.00	PS	532.894	0.029	1.203	-2.358	0.565
15.00	PS	542.921	0.279	1.014	-2.322	0.360
10.00	PS	560.461	0.485	0.861	-2.021	0.166
5.00	PS	583.636	0.622	0.771	-0.987	0.030
2.00	PS	599.052	0.680	0.814	-0.128	0.000
1.56	PS	601.335	0.688	0.822	0.000	0.000
0.00		609.519	0.717	0.850	0.450	0.006
2.00	SB	619.985	0.755	0.885	1.028	0.032
5.00	SB	636.792	0.808	0.971	1.847	0.108
10.00	SB	662.210	0.839	1.244	2.654	0.309
15.00	SB	675.632	0.822	1.704	2.981	0.558
20.00	SB	684.413	0.796	2.320	3.019	0.821
25.00	SB	690.286	0.765	3.024	2.909	1.080
30.00	SB	694.381	0.729	3.804	2.721	1.326
35.00	SB	697.369	0.687	4.672	2.484	1.554
40.00	SB	699.631	0.639	5.656	2.211	1.759
50.00	SB	702.747	0.516	8.146	1.594	2.092
60.00	SB	704.581	0.321	11.936	0.912	2.312

Statical angle of inclination is 1.56 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

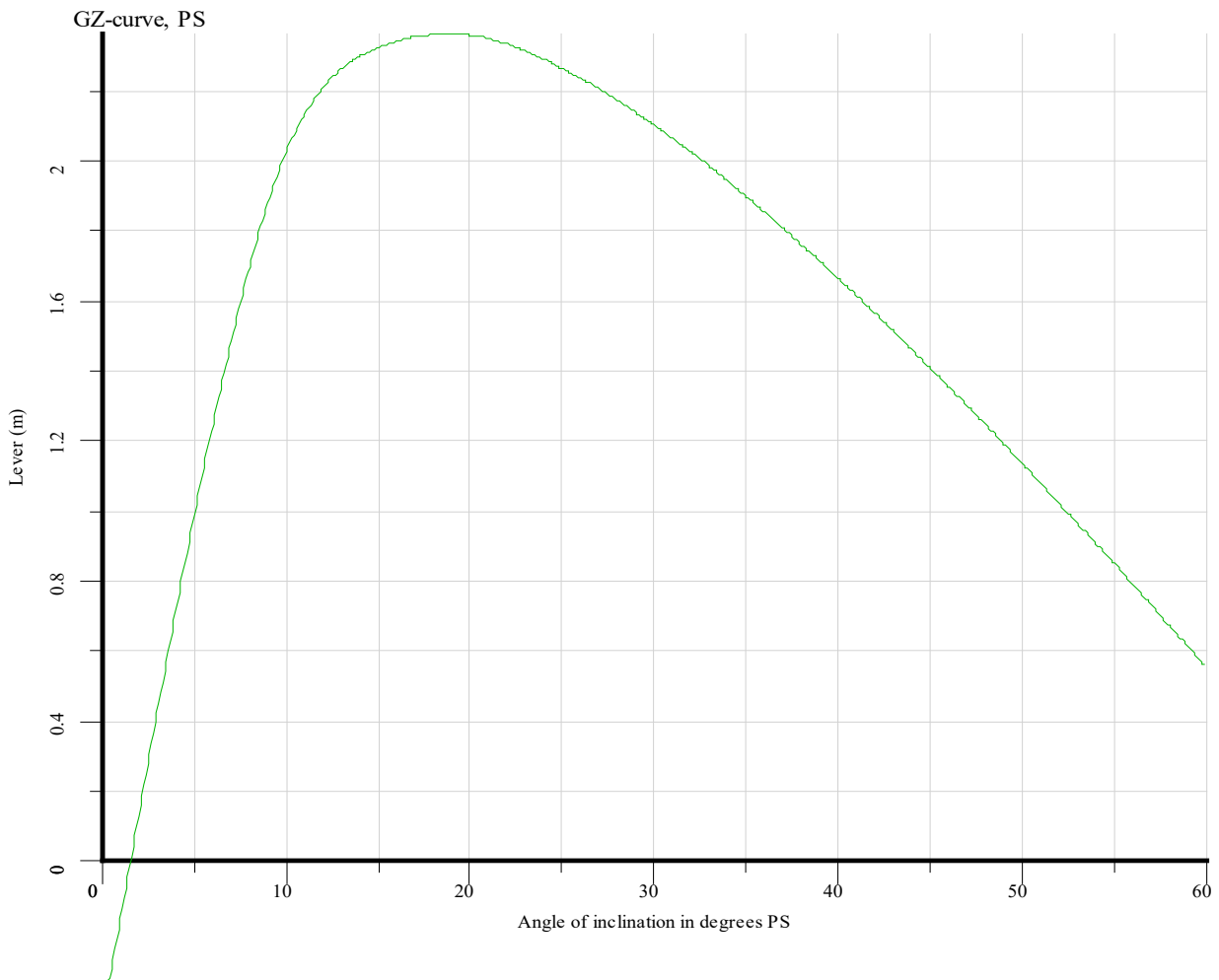
19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7416	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7519	meter
This damage case complies with the stated criteria				

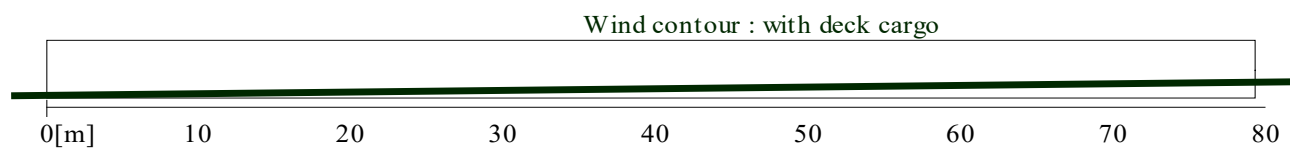
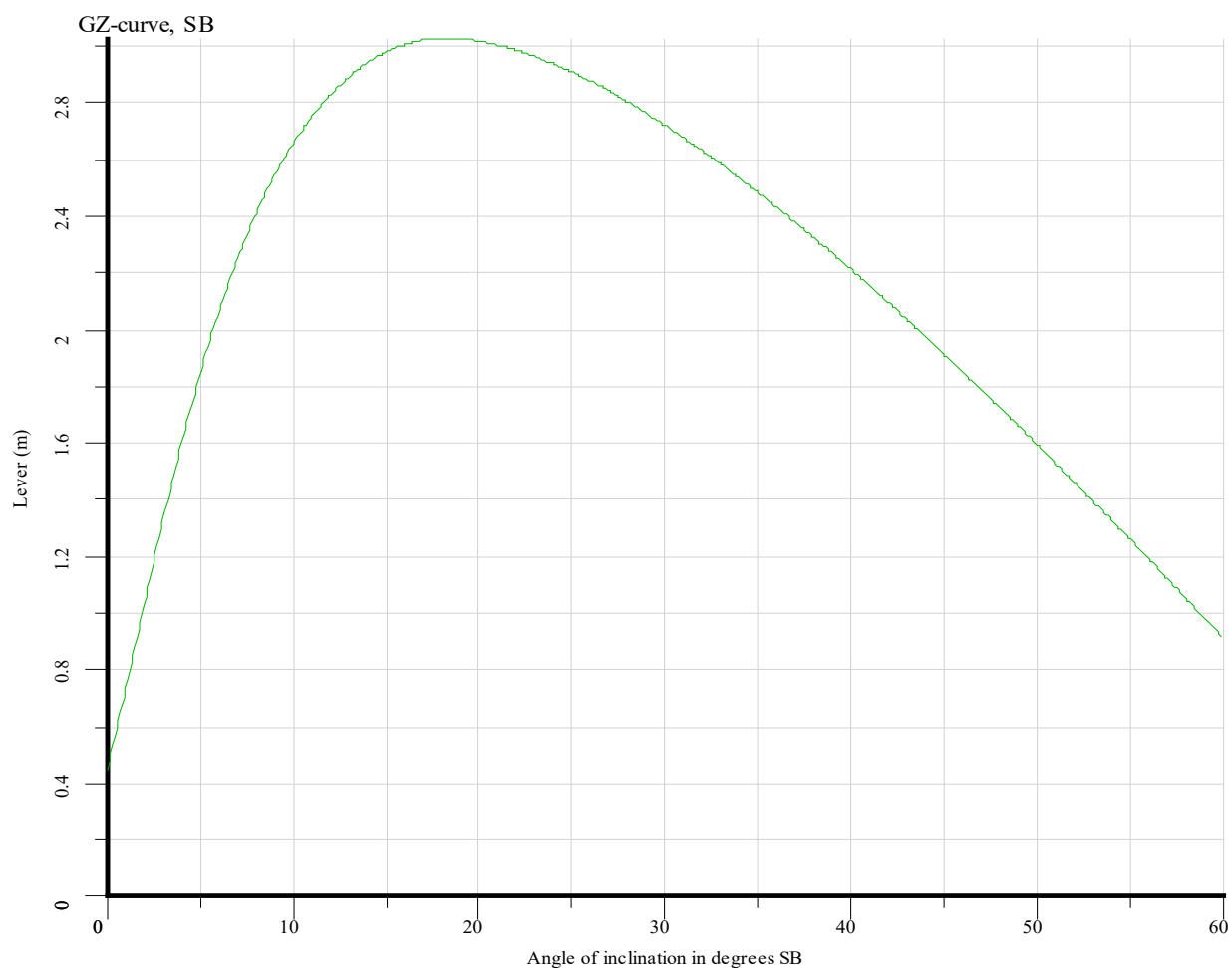


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

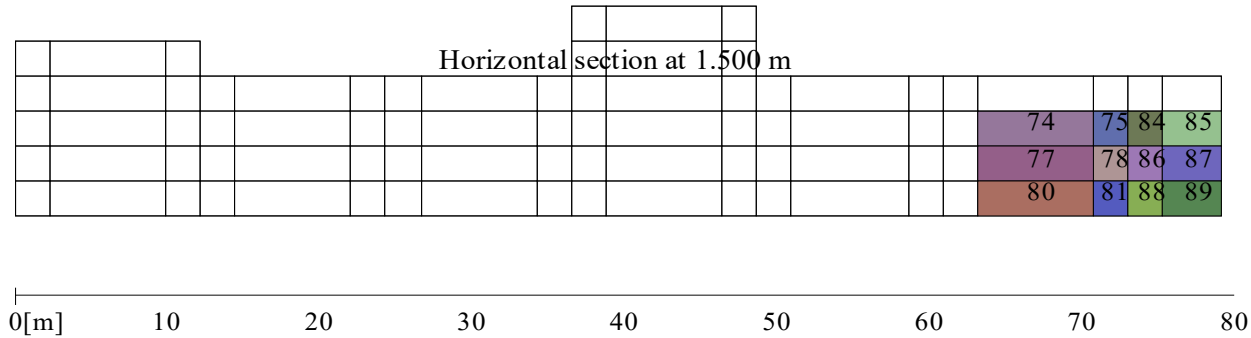


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.014 m
Marginline	mid fore PS	-0.956 m
Marginline	mid aft PS	-0.878 m
Marginline	fore SB	-0.737 m
Marginline	aft PS	-0.574 m
Marginline	mid fore SB	-0.541 m
Marginline	mid aft SB	-0.463 m
Marginline	aft SB	-0.229 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.014 m
Marginline	mid fore PS	-0.956 m
Marginline	mid aft PS	-0.878 m
Marginline	fore SB	-0.737 m
Marginline	aft PS	-0.574 m
Marginline	mid fore SB	-0.541 m
Marginline	mid aft SB	-0.463 m
Marginline	aft SB	-0.229 m

Damaged compartments and intact compartment weights (at 1.62° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	13.459	1.0000
26 A A	0.000	1.0000	4.191	1.0000
27 A	0.000	1.0000	12.241	1.0000
27 A A	0.000	1.0000	3.826	1.0000
30	0.000	1.0000	4.298	1.0000
30 A	0.000	1.0000	7.295	1.0000
31	0.000	1.0000	3.931	1.0000
31 A	0.000	1.0000	6.686	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 2
Stage of flooding 100%
Intact displacement 492.100 ton
Intact VCG 2.236 m
Intact LCG 40.416 m
Intact TCG -0.686 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	492.073	-3.970	3.355	-0.547	1.658
50.00	PS	492.092	-2.422	2.306	-1.123	1.512
40.00	PS	492.096	-1.413	1.625	-1.646	1.269
35.00	PS	492.099	-1.015	1.355	-1.876	1.115
30.00	PS	492.099	-0.664	1.120	-2.073	0.942
25.00	PS	492.129	-0.350	0.917	-2.225	0.754
20.00	PS	493.323	-0.064	0.753	-2.309	0.556
15.00	PS	497.583	0.195	0.609	-2.276	0.355
10.00	PS	508.259	0.414	0.494	-1.997	0.165
5.00	PS	531.118	0.559	0.453	-0.981	0.029
2.00	PS	546.145	0.615	0.501	-0.112	0.000
1.62	PS	548.014	0.622	0.507	0.000	0.000
0.00		556.094	0.652	0.534	0.467	0.007
2.00	SB	566.161	0.689	0.566	1.045	0.033
5.00	SB	581.417	0.741	0.628	1.882	0.110
10.00	SB	606.048	0.768	0.852	2.664	0.314
15.00	SB	622.436	0.735	1.224	3.021	0.564
20.00	SB	630.309	0.674	1.690	3.071	0.832
25.00	SB	634.521	0.601	2.209	2.965	1.096
30.00	SB	636.803	0.518	2.771	2.778	1.347
35.00	SB	637.941	0.422	3.383	2.540	1.579
40.00	SB	638.470	0.312	4.066	2.266	1.789
50.00	SB	638.795	0.030	5.784	1.642	2.131
60.00	SB	638.816	-0.405	8.407	0.950	2.358

Statical angle of inclination is 1.62 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

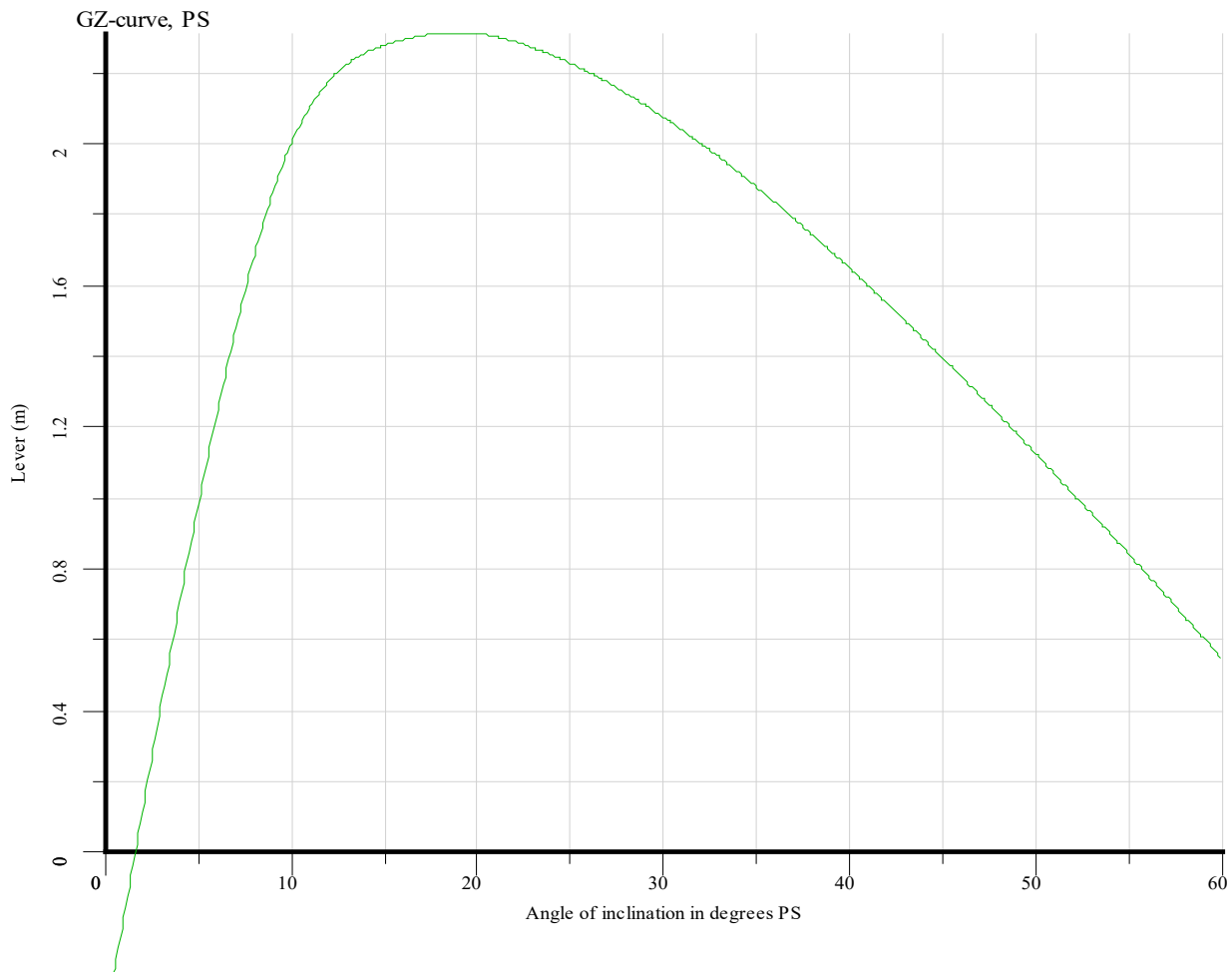
19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9606	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9713	meter
This damage case complies with the stated criteria				

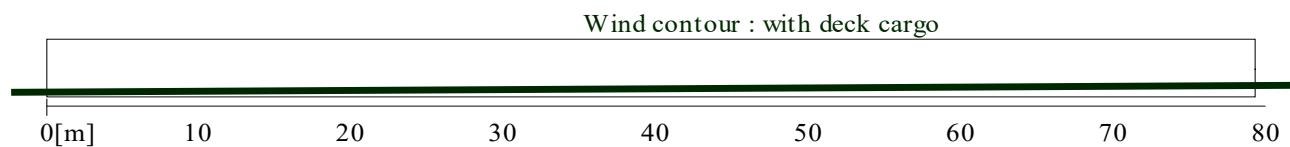
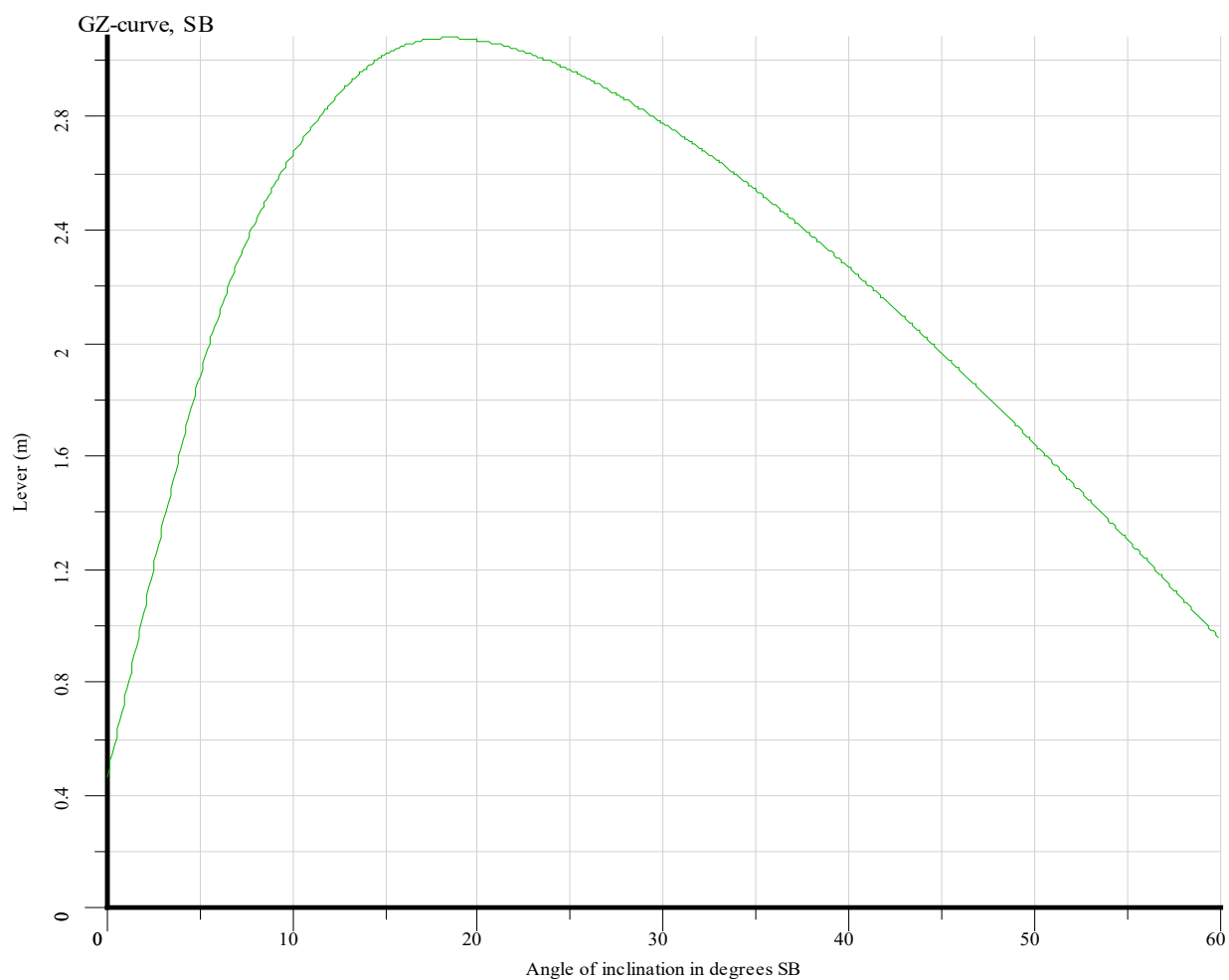


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:25

Loading condition : Pontoon with equipment & passengers 2-7 to PS

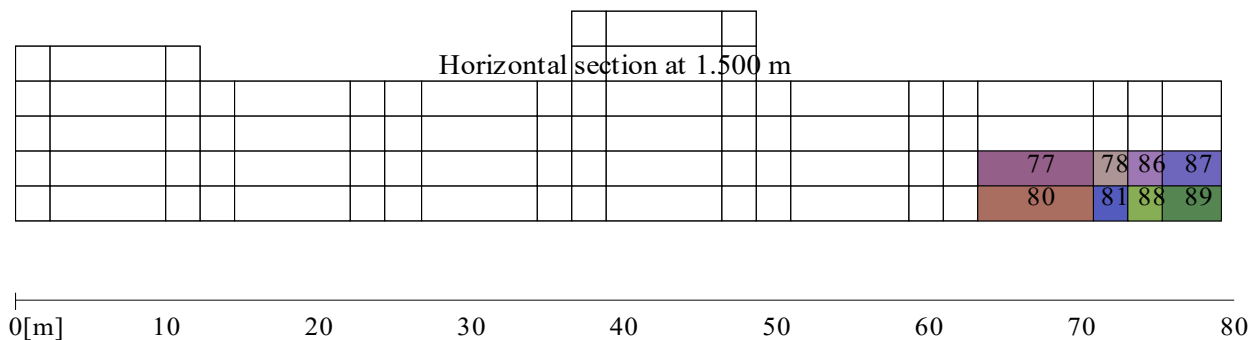
Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	492.100 ton
Intact VCG	2.236 m
Intact LCG	40.416 m
Intact TCG	-0.686 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.733 m
Marginline	mid aft PS	-1.515 m
Marginline	mid fore PS	-1.372 m
Marginline	aft SB	-0.663 m
Marginline	fore PS	-0.583 m
Marginline	mid aft SB	-0.232 m
Marginline	mid fore SB	-0.088 m
Marginline	fore SB	0.273 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.733 m
Marginline	mid aft PS	-1.515 m
Marginline	mid fore PS	-1.372 m
Marginline	aft SB	-0.663 m
Marginline	fore PS	-0.583 m
Marginline	mid aft SB	-0.232 m
Marginline	mid fore SB	-0.088 m
Marginline	fore SB	0.273 m

Damaged compartments and intact compartment weights (at 5.03° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	27.526	1.0000
1 A A	0.000	1.0000	7.921	1.0000
2 A	0.000	1.0000	23.748	1.0000
2 A A	0.000	1.0000	6.790	1.0000
3 A	0.000	1.0000	19.947	1.0000
3 A A	0.000	1.0000	5.654	1.0000
6	0.000	1.0000	6.693	1.0000
6 A	0.000	1.0000	21.197	1.0000
7	0.000	1.0000	5.550	1.0000
7 A	0.000	1.0000	17.400	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	690.015	-1.791	-11.262	-0.081	0.885
50.00	PS	689.011	-0.937	-7.756	-0.511	0.833
40.00	PS	687.146	-0.385	-5.471	-0.909	0.709
35.00	PS	685.553	-0.171	-4.573	-1.087	0.622
30.00	PS	683.099	0.015	-3.778	-1.243	0.520
25.00	PS	679.294	0.178	-3.064	-1.366	0.406
20.00	PS	673.171	0.323	-2.418	-1.433	0.283
15.00	PS	662.445	0.449	-1.828	-1.380	0.159
10.00	PS	641.049	0.554	-1.298	-1.036	0.050
5.03	PS	606.652	0.626	-0.939	0.000	0.000
5.00	PS	606.424	0.626	-0.937	0.009	0.000
2.00	PS	585.873	0.645	-0.851	0.878	0.023
0.00		572.593	0.655	-0.809	1.474	0.064
2.00	SB	559.314	0.665	-0.767	2.069	0.126
5.00	SB	538.948	0.675	-0.706	2.905	0.257
10.00	SB	503.999	0.625	-0.686	3.631	0.548
15.00	SB	483.109	0.490	-0.697	3.870	0.877
20.00	SB	472.843	0.309	-0.767	3.878	1.216
25.00	SB	467.858	0.106	-0.905	3.751	1.550
30.00	SB	465.435	-0.113	-1.081	3.537	1.869
35.00	SB	464.460	-0.352	-1.292	3.265	2.166
40.00	SB	464.241	-0.620	-1.542	2.951	2.437
50.00	SB	464.230	-1.296	-2.190	2.229	2.891
60.00	SB	464.230	-2.333	-3.183	1.420	3.210

Statical angle of inclination is 5.03 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

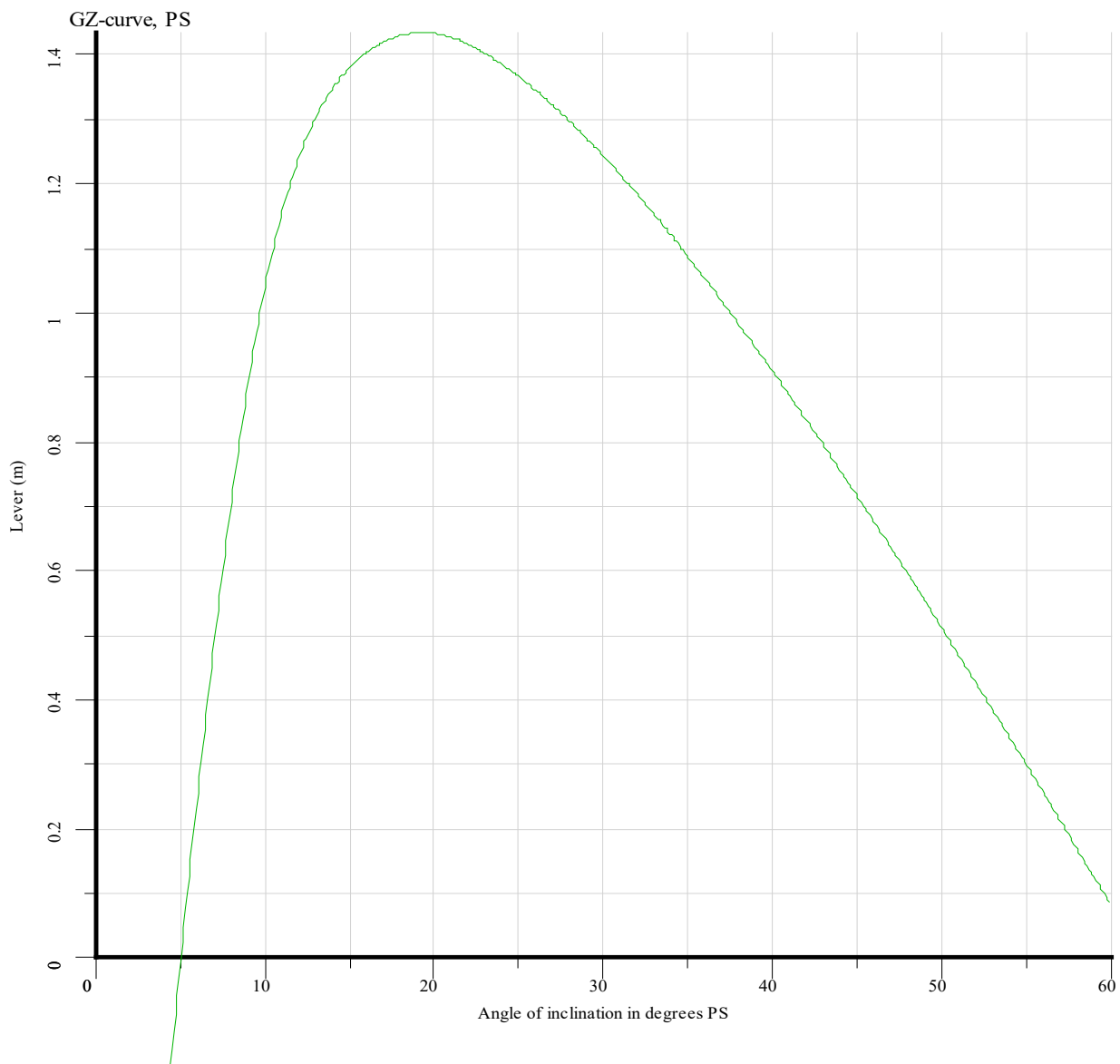
19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.2243	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.2548	meter
This damage case complies with the stated criteria				

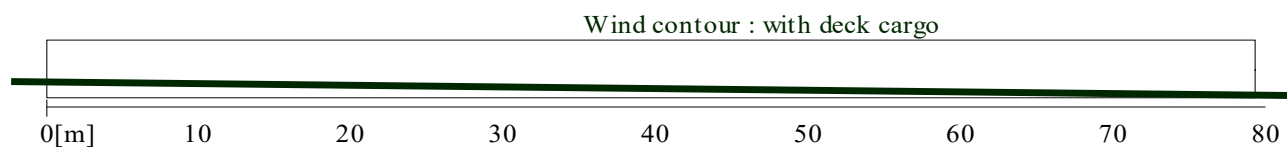
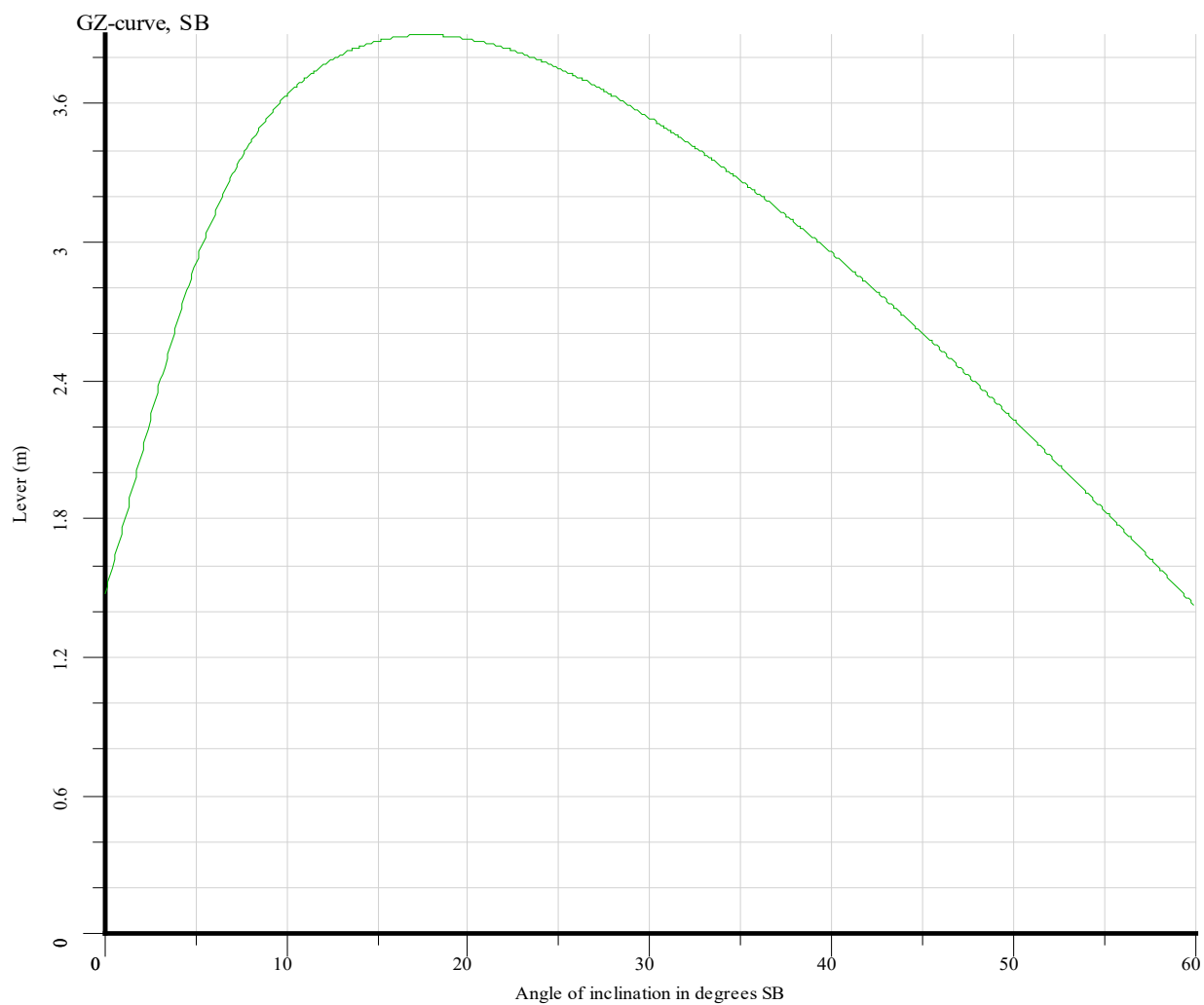


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

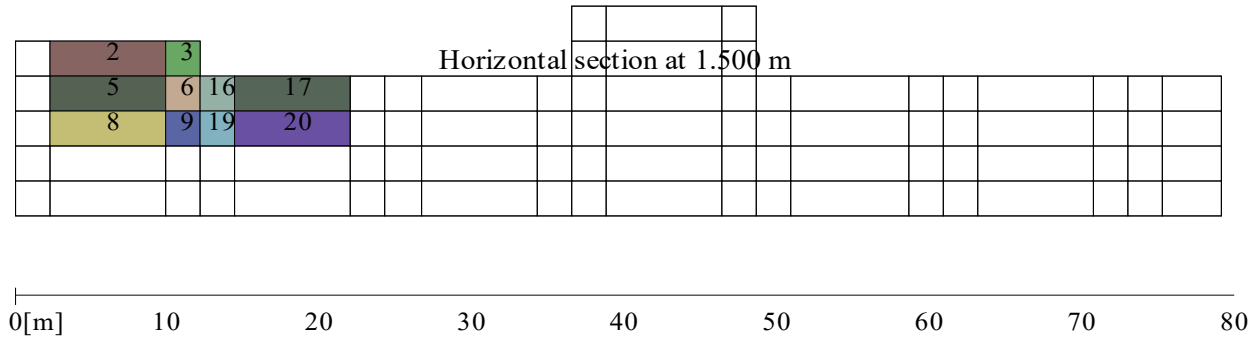


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.230 m
Marginline	aft SB	-0.944 m
Marginline	mid aft PS	-0.909 m
Marginline	mid fore PS	-0.783 m
Marginline	mid aft SB	-0.565 m
Marginline	mid fore SB	-0.439 m
Marginline	fore PS	-0.352 m
Marginline	fore SB	-0.123 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.230 m
Marginline	aft SB	-0.944 m
Marginline	mid aft PS	-0.909 m
Marginline	mid fore PS	-0.783 m
Marginline	mid aft SB	-0.565 m
Marginline	mid fore SB	-0.439 m
Marginline	fore PS	-0.352 m
Marginline	fore SB	-0.123 m

Damaged compartments and intact compartment weights (at 1.35° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	18.073	1.0000
3 A A	0.000	1.0000	5.133	1.0000
4 A	0.000	1.0000	17.060	1.0000
4 A A	0.000	1.0000	4.830	1.0000
5 A	0.000	1.0000	16.051	1.0000
5 A A	6.300	1.0000	4.529	1.0000
7	0.000	1.0000	5.044	1.0000
7 A	0.000	1.0000	15.849	1.0000
8	0.000	1.0000	4.739	1.0000
8 A	0.000	1.0000	14.837	1.0000
9	0.000	1.0000	4.435	1.0000
9 A	0.000	1.0000	13.830	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	457.930	-4.347	-0.181	-0.540	1.645
50.00	PS	458.540	-2.677	-0.144	-1.099	1.502
40.00	PS	460.969	-1.579	-0.156	-1.609	1.264
35.00	PS	463.128	-1.144	-0.170	-1.834	1.114
30.00	PS	466.255	-0.758	-0.188	-2.029	0.945
25.00	PS	470.919	-0.412	-0.223	-2.183	0.761
20.00	PS	477.929	-0.106	-0.282	-2.287	0.566
15.00	PS	489.366	0.166	-0.367	-2.294	0.365
10.00	PS	511.593	0.403	-0.489	-2.032	0.172
5.00	PS	551.460	0.569	-0.629	-1.031	0.033
2.00	PS	576.794	0.635	-0.783	-0.188	0.001
1.35	PS	582.354	0.649	-0.819	0.000	0.000
0.00		593.800	0.678	-0.892	0.378	0.004
2.00	SB	610.806	0.722	-1.001	0.944	0.027
5.00	SB	636.610	0.784	-1.177	1.761	0.099
10.00	SB	674.553	0.828	-1.631	2.528	0.291
15.00	SB	694.628	0.835	-2.316	2.848	0.528
20.00	SB	705.599	0.829	-3.128	2.883	0.780
25.00	SB	712.194	0.817	-4.022	2.778	1.027
30.00	SB	716.431	0.799	-5.003	2.597	1.262
35.00	SB	719.262	0.777	-6.089	2.370	1.479
40.00	SB	721.177	0.749	-7.316	2.110	1.675
50.00	SB	723.483	0.670	-10.426	1.520	1.993
60.00	SB	724.703	0.541	-15.184	0.867	2.202

Statical angle of inclination is 1.35 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

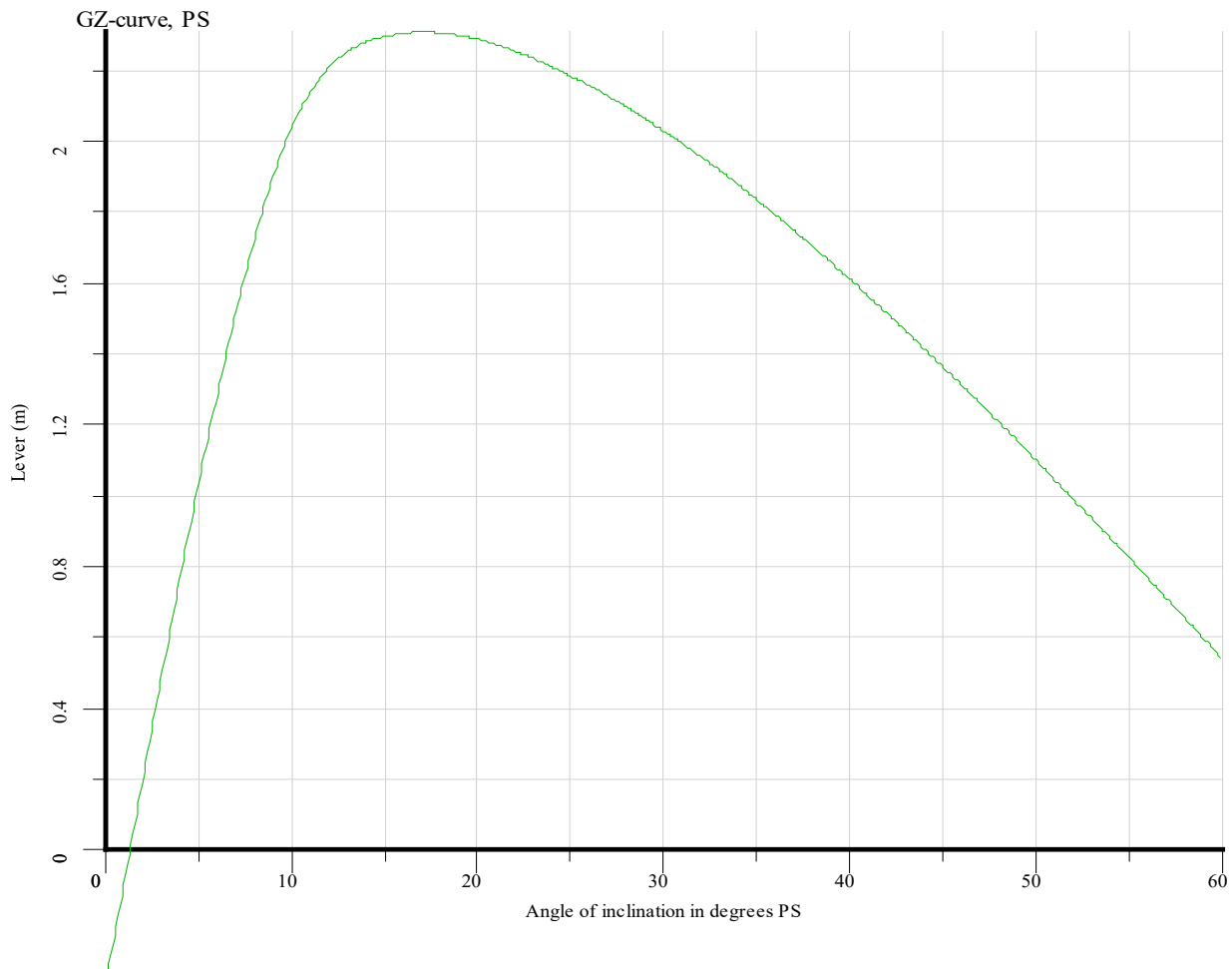
19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7413	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7570	meter
This damage case complies with the stated criteria				

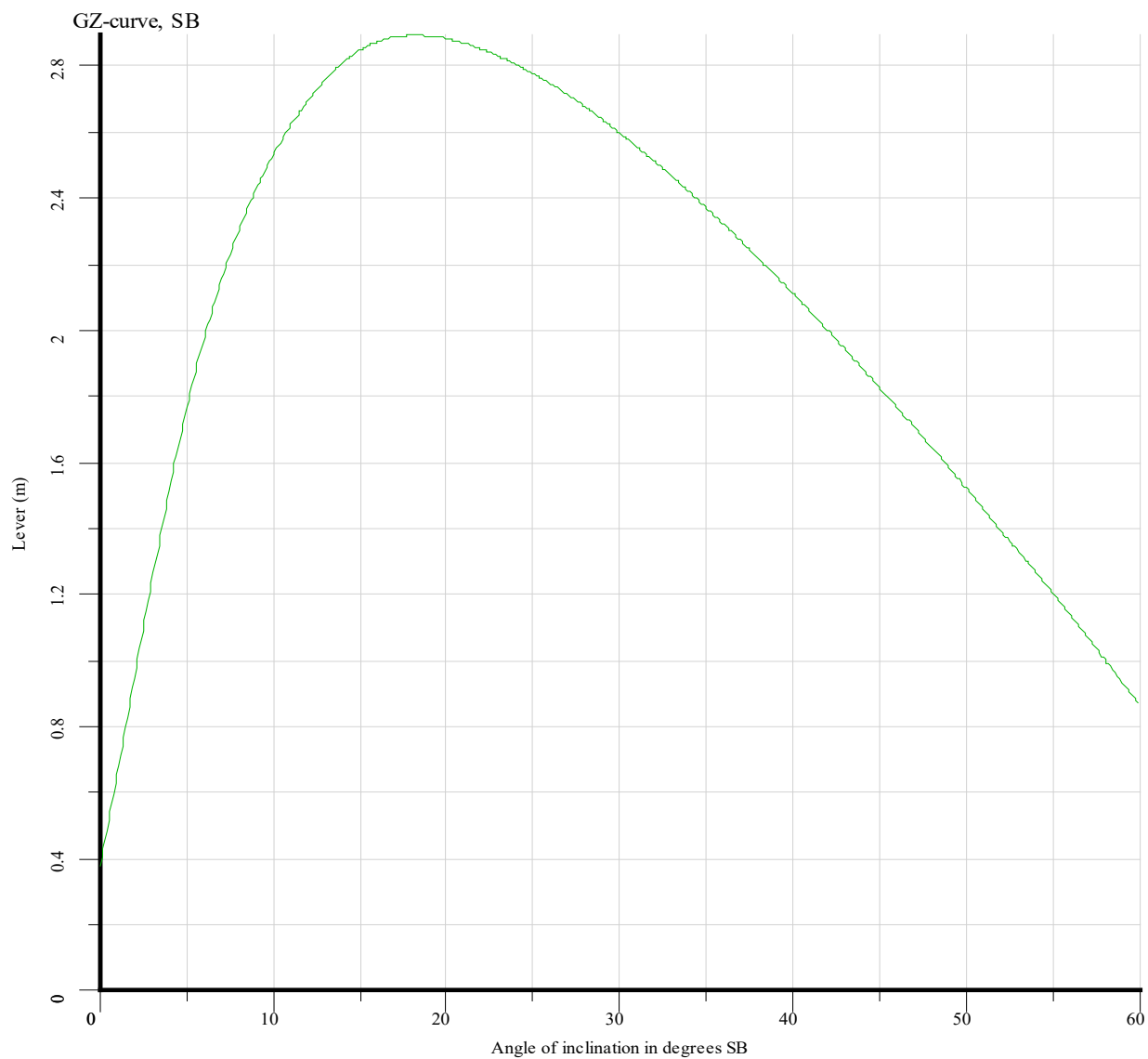


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

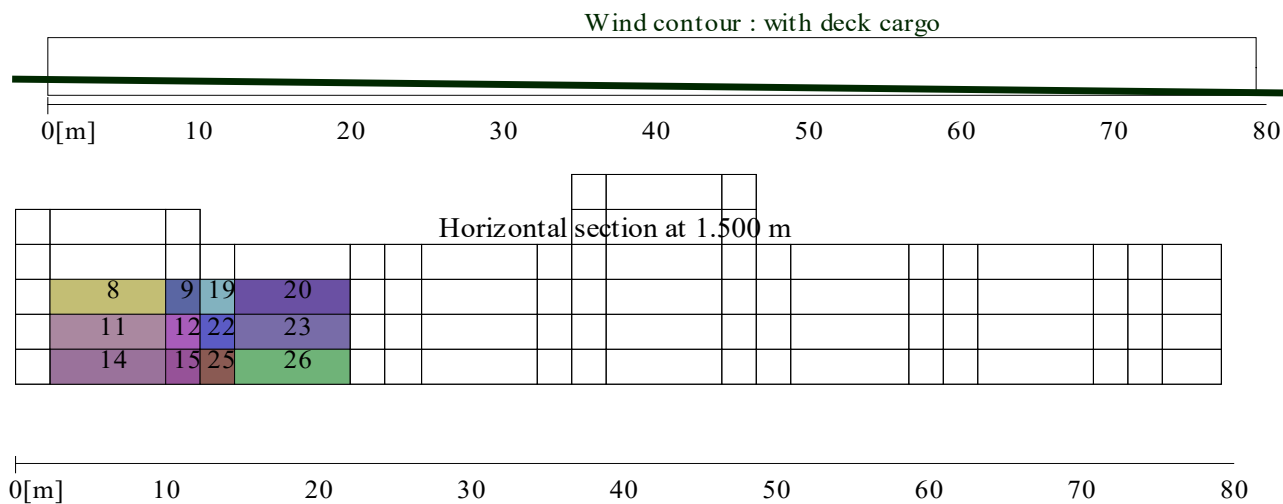
Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.046 m
Marginline	mid aft PS	-0.878 m
Marginline	mid fore PS	-0.798 m
Marginline	aft SB	-0.695 m
Marginline	fore PS	-0.458 m
Marginline	mid aft SB	-0.456 m
Marginline	mid fore SB	-0.377 m
Marginline	fore SB	-0.177 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.046 m
Marginline	mid aft PS	-0.878 m
Marginline	mid fore PS	-0.798 m
Marginline	aft SB	-0.695 m
Marginline	fore PS	-0.458 m
Marginline	mid aft SB	-0.456 m
Marginline	mid fore SB	-0.377 m
Marginline	fore SB	-0.177 m

Damaged compartments and intact compartment weights (at 1.65° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	13.422	1.0000
4 A A	0.000	1.0000	3.842	1.0000
5 A	0.000	1.0000	12.195	1.0000
5 A A	6.300	1.0000	3.476	1.0000
8	0.000	1.0000	3.790	1.0000
8 A	0.000	1.0000	12.020	1.0000
9	0.000	1.0000	3.421	1.0000
9 A	0.000	1.0000	10.796	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	457.930	-4.347	-0.181	-0.540	1.607
50.00	PS	457.943	-2.682	-0.125	-1.097	1.464
40.00	PS	457.911	-1.595	-0.087	-1.602	1.227
35.00	PS	457.925	-1.167	-0.073	-1.821	1.078
30.00	PS	457.919	-0.789	-0.060	-2.007	0.910
25.00	PS	457.938	-0.451	-0.056	-2.148	0.729
20.00	PS	457.930	-0.155	-0.070	-2.232	0.537
15.00	PS	458.687	0.108	-0.112	-2.203	0.343
10.00	PS	467.276	0.344	-0.215	-1.918	0.159
5.00	PS	496.349	0.509	-0.356	-0.959	0.028
2.00	PS	518.331	0.571	-0.499	-0.102	0.000
1.65	PS	520.899	0.578	-0.516	0.000	0.000
0.00		533.086	0.611	-0.597	0.468	0.007
2.00	SB	547.589	0.652	-0.693	1.038	0.033
5.00	SB	569.453	0.710	-0.843	1.851	0.109
10.00	SB	604.306	0.745	-1.229	2.629	0.310
15.00	SB	624.310	0.722	-1.760	2.968	0.556
20.00	SB	632.644	0.669	-2.364	3.011	0.819
25.00	SB	636.479	0.601	-3.022	2.910	1.078
30.00	SB	638.190	0.519	-3.737	2.731	1.325
35.00	SB	639.003	0.425	-4.531	2.502	1.553
40.00	SB	639.396	0.317	-5.430	2.236	1.760
50.00	SB	639.651	0.036	-7.715	1.629	2.099
60.00	SB	639.670	-0.396	-11.213	0.953	2.325

Statical angle of inclination is 1.65 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

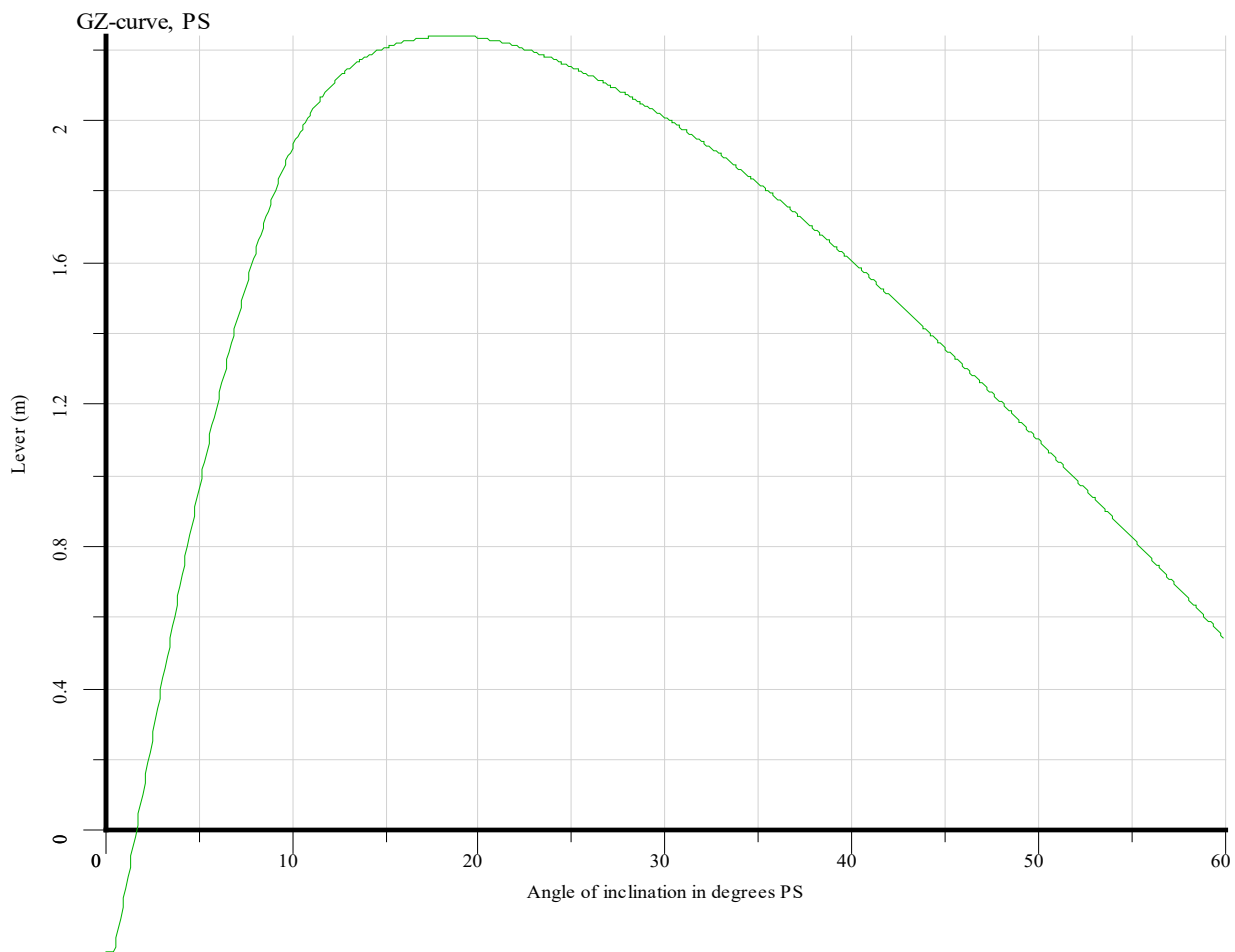
19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9248	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9413	meter
This damage case complies with the stated criteria				

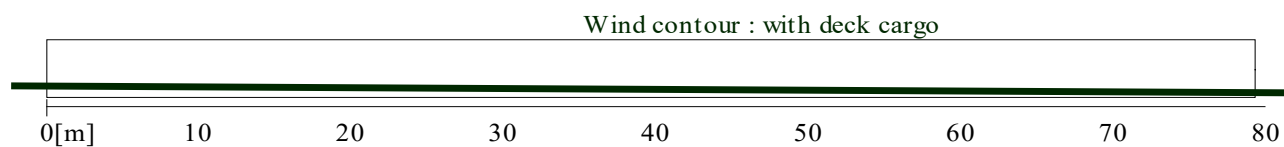
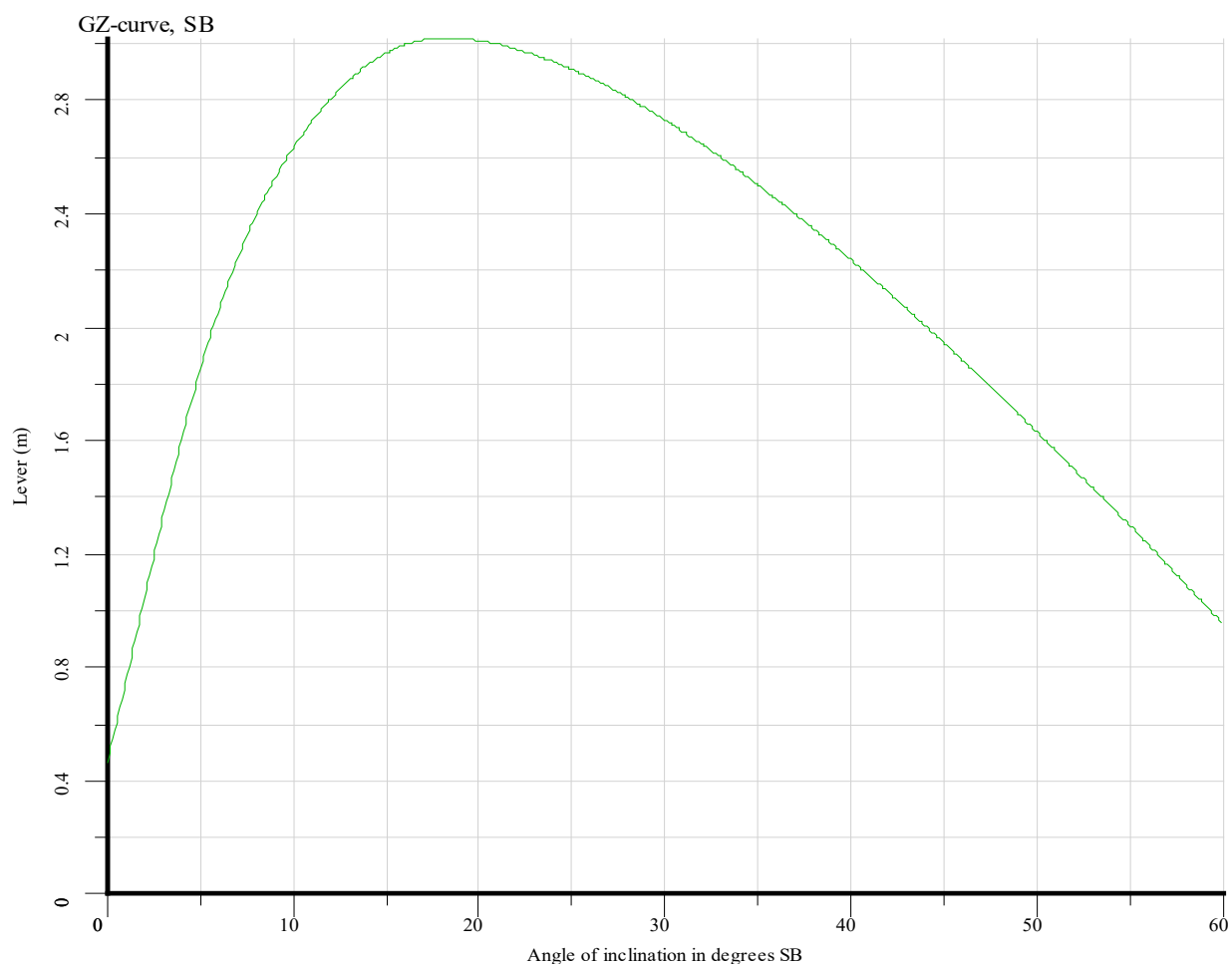


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

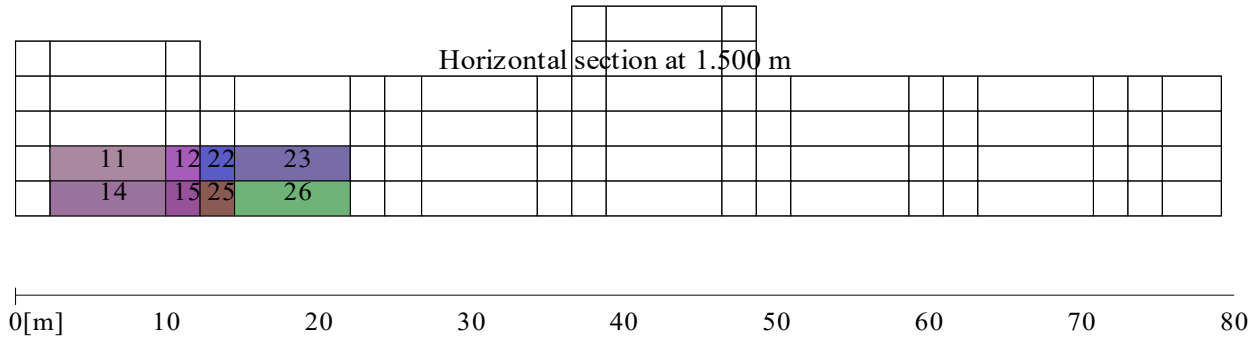


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.651 m
Marginline	mid fore PS	-1.625 m
Marginline	aft PS	-1.464 m
Marginline	fore PS	-1.026 m
Marginline	aft SB	-0.131 m
Marginline	mid aft SB	-0.052 m
Marginline	mid fore SB	-0.026 m
Marginline	fore SB	0.040 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.651 m
Marginline	mid fore PS	-1.625 m
Marginline	aft PS	-1.464 m
Marginline	fore PS	-1.026 m
Marginline	aft SB	-0.131 m
Marginline	mid aft SB	-0.052 m
Marginline	mid fore SB	-0.026 m
Marginline	fore SB	0.040 m

Damaged compartments and intact compartment weights (at 6.28° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	17.739	1.0000
10 A A	0.000	1.0000	5.247	1.0000
14	0.000	1.0000	8.071	1.0000
14 A	0.000	1.0000	26.642	1.0000
15	0.000	1.0000	6.693	1.0000
15 A	0.000	1.0000	22.043	1.0000
16	0.000	1.0000	5.258	1.0000
16 A	0.000	1.0000	17.277	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	645.738	-2.273	-0.655	0.006	0.717
50.00	PS	644.918	-1.262	-0.448	-0.398	0.682
40.00	PS	642.574	-0.608	-0.310	-0.774	0.579
35.00	PS	640.642	-0.352	-0.255	-0.941	0.504
30.00	PS	637.946	-0.127	-0.206	-1.083	0.416
25.00	PS	634.065	0.077	-0.161	-1.185	0.316
20.00	PS	628.147	0.263	-0.119	-1.212	0.211
15.00	PS	618.544	0.427	-0.101	-1.105	0.109
10.00	PS	600.938	0.547	-0.135	-0.723	0.025
6.28	PS	572.063	0.577	-0.173	0.000	0.000
5.00	PS	562.163	0.588	-0.186	0.304	0.003
2.00	PS	536.439	0.595	-0.232	1.035	0.038
0.00		519.349	0.599	-0.262	1.519	0.083
2.00	SB	502.260	0.604	-0.292	2.000	0.144
5.00	SB	479.772	0.610	-0.340	2.700	0.268
10.00	SB	465.674	0.574	-0.449	3.482	0.542
15.00	SB	464.230	0.458	-0.553	3.784	0.861
20.00	SB	464.232	0.290	-0.679	3.842	1.195
25.00	SB	464.237	0.096	-0.857	3.737	1.527
30.00	SB	464.231	-0.118	-1.061	3.532	1.845
35.00	SB	464.240	-0.353	-1.287	3.264	2.142
40.00	SB	464.230	-0.620	-1.542	2.951	2.413
50.00	SB	464.226	-1.296	-2.190	2.229	2.867
60.00	SB	464.230	-2.333	-3.183	1.420	3.186

Statical angle of inclination is 6.28 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2 L PS 3

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.2975

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

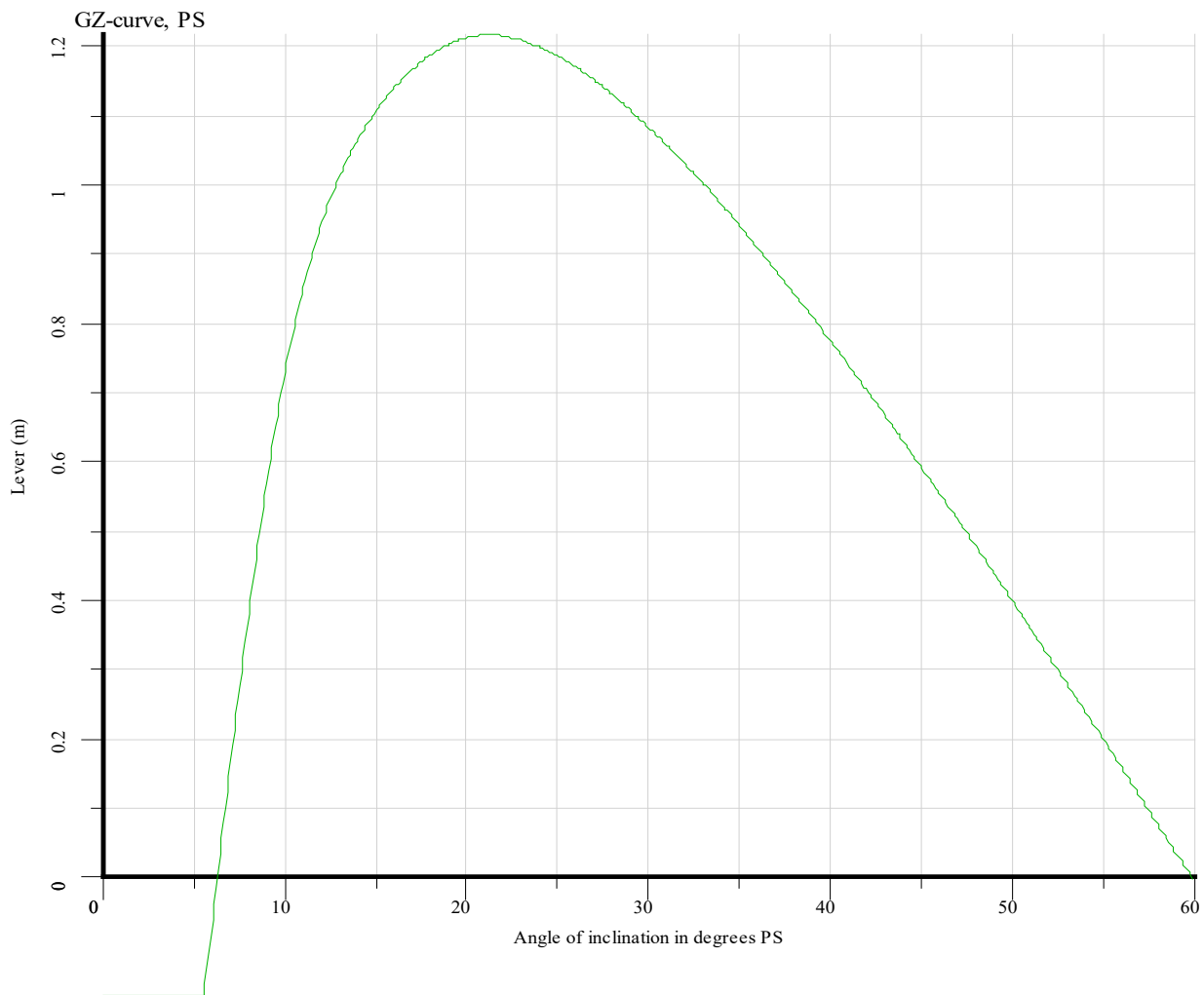
0.1000

Value

0.3392

meter

This damage case complies with the stated criteria

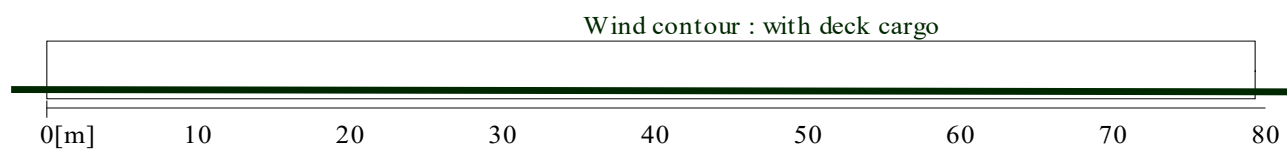
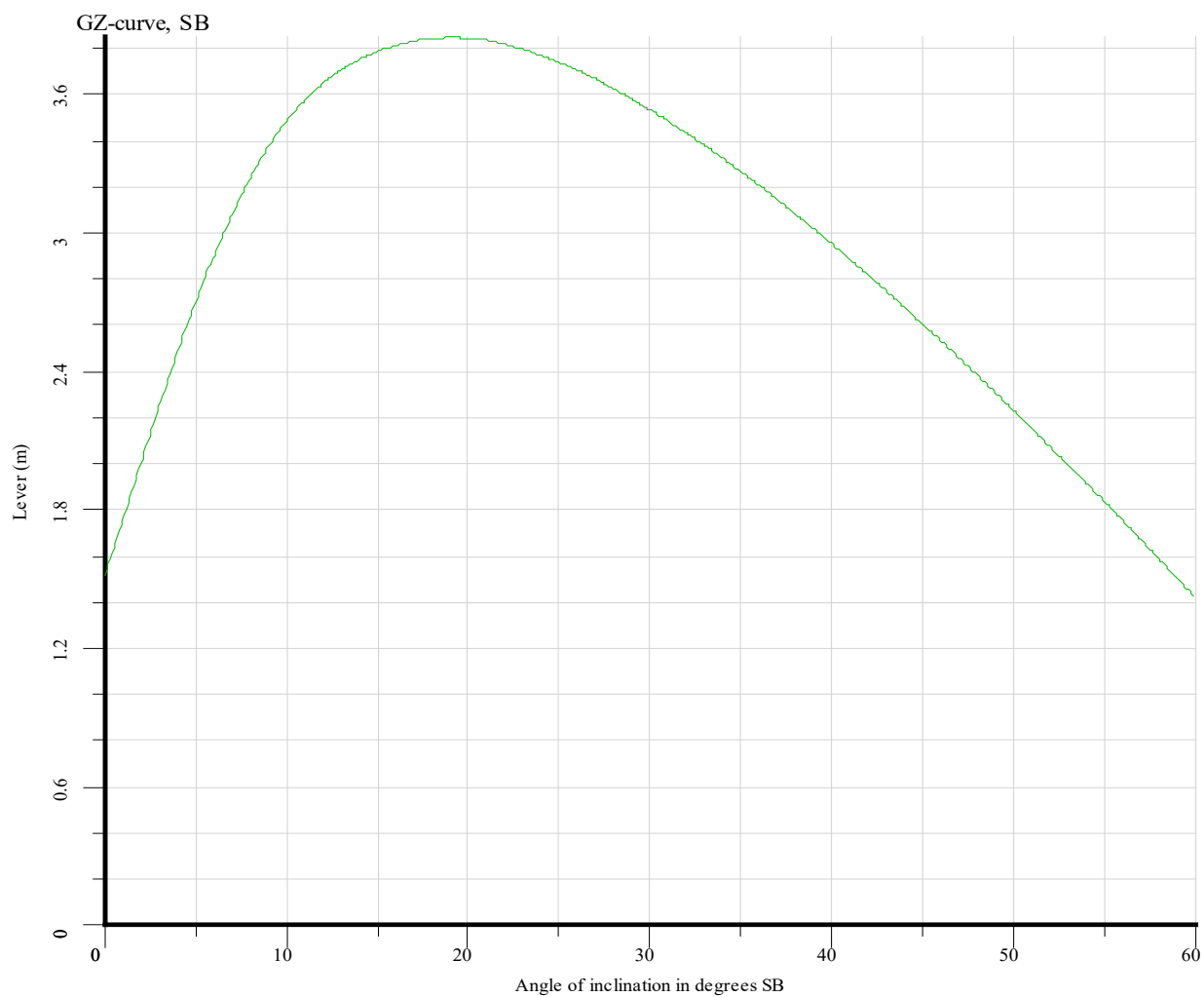


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

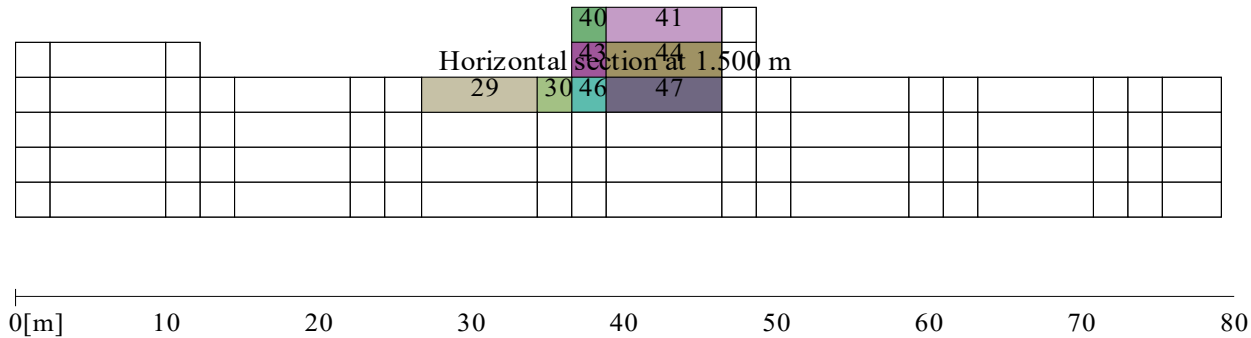


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.354 m
Marginline	mid fore PS	-1.320 m
Marginline	aft PS	-1.267 m
Marginline	fore PS	-0.859 m
Marginline	aft SB	-0.326 m
Marginline	mid aft SB	-0.224 m
Marginline	mid fore SB	-0.190 m
Marginline	fore SB	-0.105 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.354 m
Marginline	mid fore PS	-1.320 m
Marginline	aft PS	-1.267 m
Marginline	fore PS	-0.859 m
Marginline	aft SB	-0.326 m
Marginline	mid aft SB	-0.224 m
Marginline	mid fore SB	-0.190 m
Marginline	fore SB	-0.105 m

Damaged compartments and intact compartment weights (at 4.43° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	15.933	1.0000
10 A A	0.000	1.0000	4.690	1.0000
11 A	0.000	1.0000	12.594	1.0000
11 A A	0.000	1.0000	3.692	1.0000
15	0.000	1.0000	5.691	1.0000
15 A	0.000	1.0000	18.659	1.0000
16	0.000	1.0000	4.690	1.0000
16 A	0.000	1.0000	15.333	1.0000
17	0.000	1.0000	3.684	1.0000
17 A	0.000	1.0000	11.993	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	614.598	-2.617	-0.884	-0.323	1.234
50.00	PS	614.545	-1.492	-0.607	-0.822	1.134
40.00	PS	614.540	-0.758	-0.427	-1.281	0.950
35.00	PS	614.545	-0.469	-0.357	-1.485	0.829
30.00	PS	614.545	-0.213	-0.294	-1.662	0.692
25.00	PS	614.523	0.019	-0.237	-1.799	0.540
20.00	PS	612.656	0.227	-0.184	-1.857	0.380
15.00	PS	605.862	0.403	-0.159	-1.783	0.220
10.00	PS	589.749	0.530	-0.182	-1.420	0.075
5.00	PS	564.390	0.590	-0.215	-0.171	0.001
4.43	PS	561.155	0.593	-0.223	0.000	0.000
2.00	PS	547.360	0.607	-0.255	0.733	0.016
0.00		536.046	0.619	-0.281	1.331	0.052
2.00	SB	524.732	0.630	-0.307	1.928	0.108
5.00	SB	507.186	0.643	-0.350	2.759	0.232
10.00	SB	484.841	0.603	-0.456	3.557	0.513
15.00	SB	472.920	0.474	-0.558	3.826	0.837
20.00	SB	466.980	0.296	-0.683	3.856	1.174
25.00	SB	464.647	0.097	-0.858	3.739	1.506
30.00	SB	464.233	-0.117	-1.061	3.532	1.824
35.00	SB	464.230	-0.353	-1.287	3.264	2.121
40.00	SB	464.230	-0.620	-1.542	2.951	2.392
50.00	SB	464.230	-1.296	-2.190	2.229	2.846
60.00	SB	464.230	-2.333	-3.183	1.420	3.165

Statical angle of inclination is 4.43 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

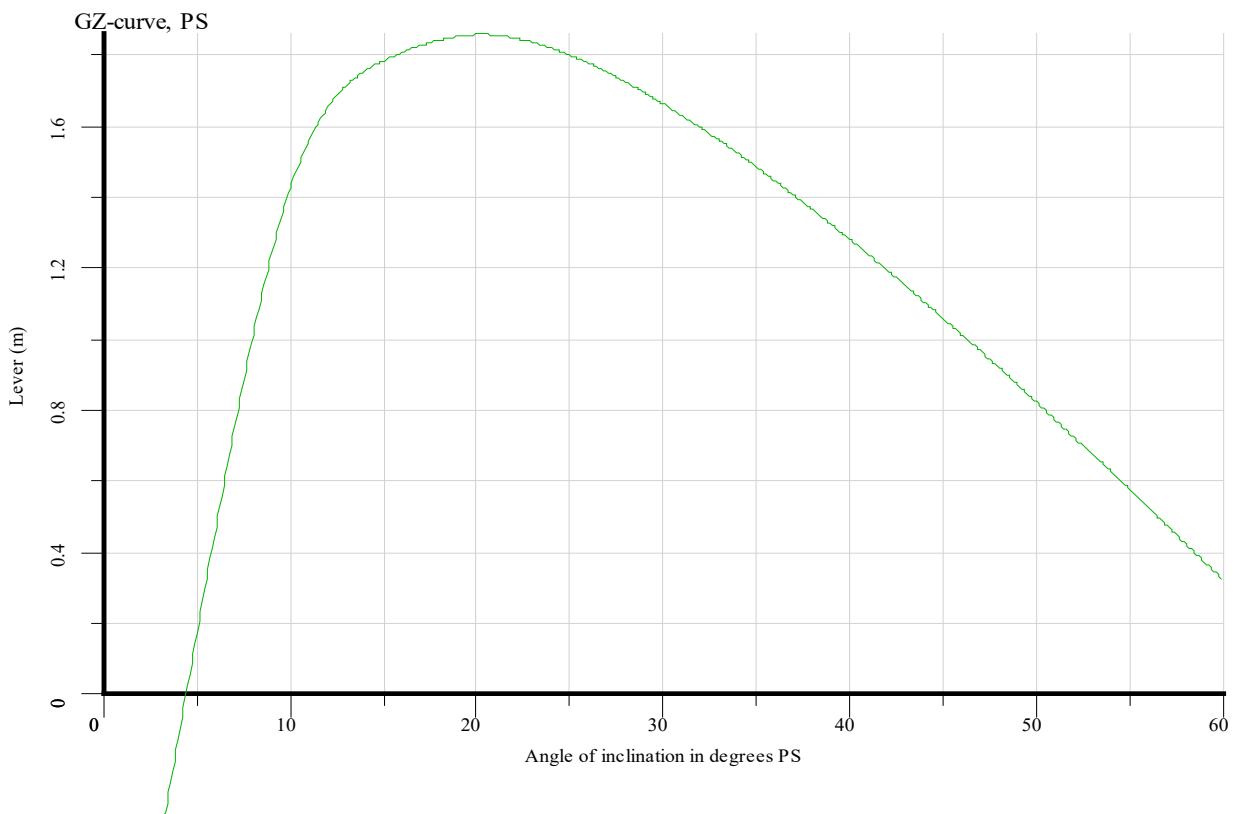
19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2 L PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6055	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6371	meter
This damage case complies with the stated criteria				

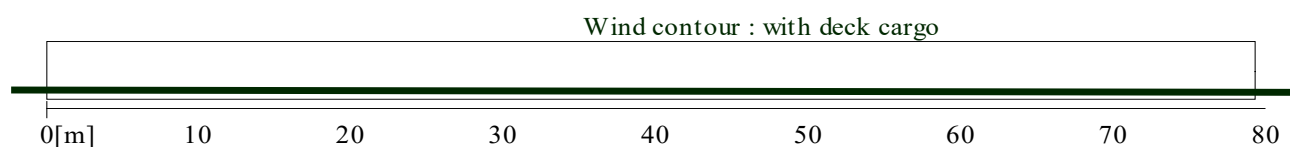
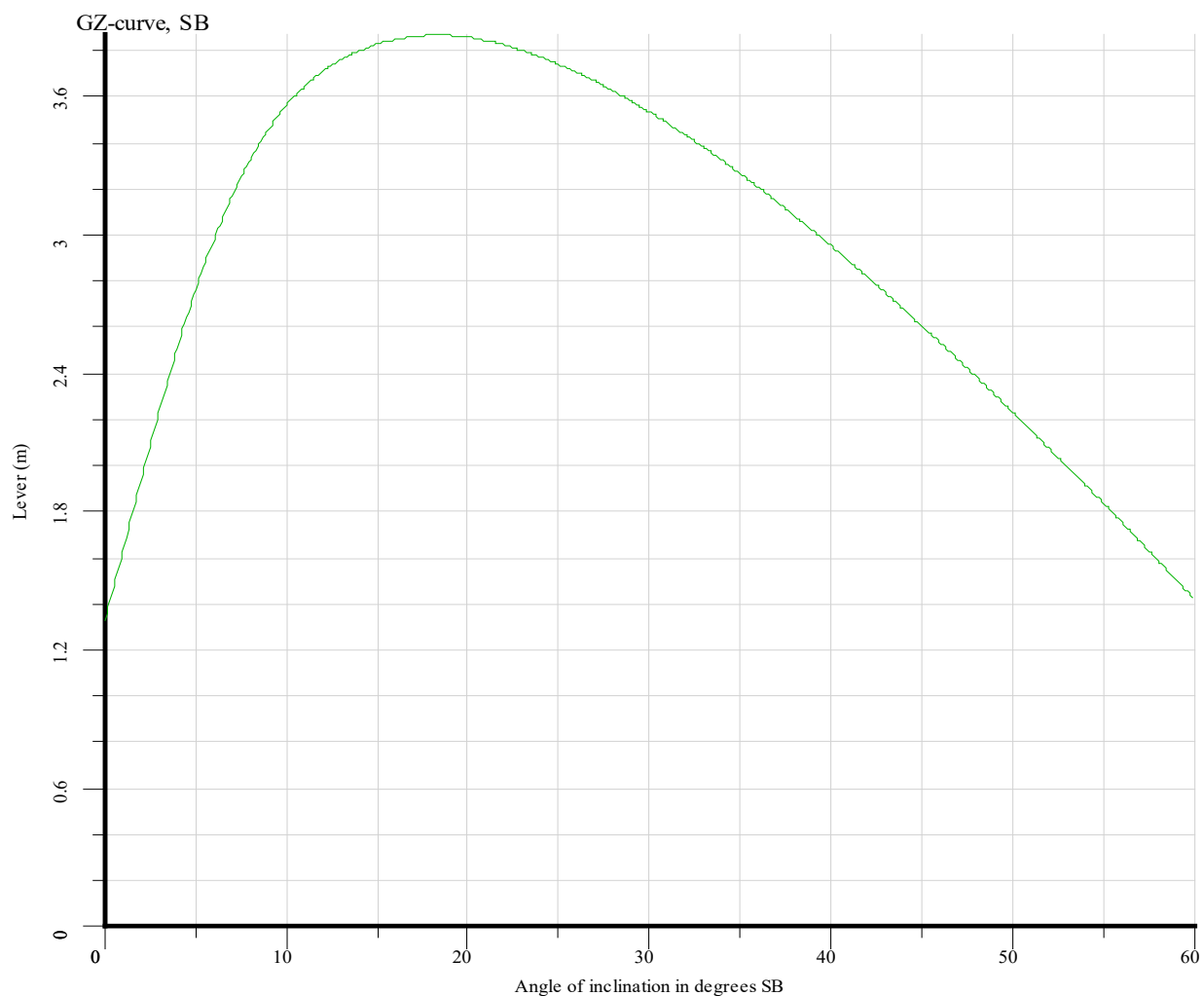


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

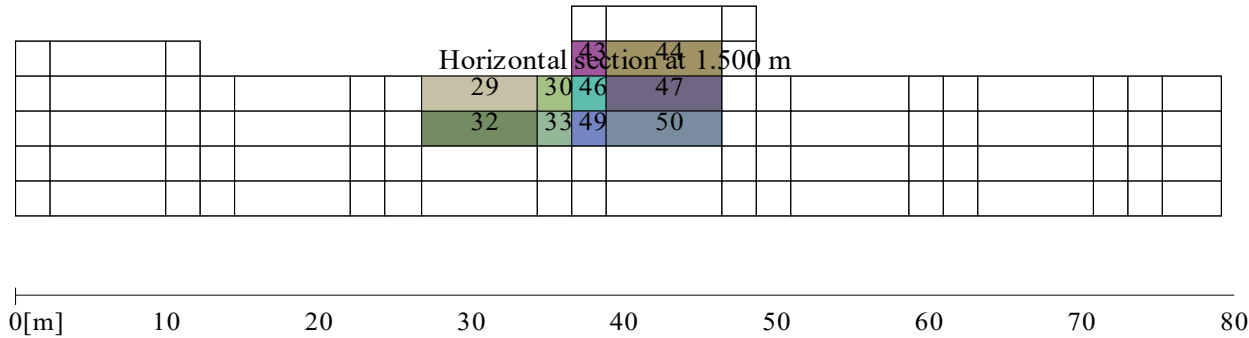


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 3

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.657 m
Marginline	mid fore PS	-1.651 m
Marginline	aft PS	-1.406 m
Marginline	fore PS	-1.098 m
Marginline	aft SB	-0.062 m
Marginline	mid aft SB	-0.043 m
Marginline	mid fore SB	-0.037 m
Marginline	fore SB	-0.022 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.657 m
Marginline	mid fore PS	-1.651 m
Marginline	aft PS	-1.406 m
Marginline	fore PS	-1.098 m
Marginline	aft SB	-0.062 m
Marginline	mid aft SB	-0.043 m
Marginline	mid fore SB	-0.037 m
Marginline	fore SB	-0.022 m

Damaged compartments and intact compartment weights (at 6.33° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	26.878	1.0000
14 A A	0.000	1.0000	8.022	1.0000
15 A	0.000	1.0000	22.265	1.0000
15 A A	0.000	1.0000	6.644	1.0000
16 A	0.000	1.0000	17.449	1.0000
16 A A	0.000	1.0000	5.203	1.0000
20	0.000	1.0000	5.233	1.0000
20 A	0.000	1.0000	17.340	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	645.582	-2.275	1.543	0.009	0.708
50.00	PS	645.183	-1.260	1.059	-0.393	0.674
40.00	PS	643.244	-0.604	0.733	-0.767	0.573
35.00	PS	641.468	-0.348	0.601	-0.933	0.498
30.00	PS	638.897	-0.123	0.483	-1.075	0.410
25.00	PS	635.106	0.080	0.374	-1.177	0.312
20.00	PS	629.228	0.266	0.273	-1.204	0.207
15.00	PS	619.484	0.431	0.182	-1.089	0.106
10.00	PS	601.333	0.551	0.053	-0.702	0.024
6.33	PS	572.067	0.578	-0.038	0.000	0.000
5.00	PS	561.445	0.588	-0.072	0.312	0.004
2.00	PS	535.060	0.594	-0.144	1.035	0.039
0.00		517.629	0.598	-0.193	1.513	0.083
2.00	SB	500.004	0.602	-0.240	1.989	0.144
5.00	SB	477.185	0.607	-0.313	2.685	0.267
10.00	SB	464.729	0.572	-0.447	3.474	0.540
15.00	SB	464.230	0.458	-0.553	3.784	0.859
20.00	SB	464.232	0.290	-0.679	3.842	1.193
25.00	SB	464.230	0.095	-0.857	3.737	1.525
30.00	SB	464.229	-0.118	-1.061	3.532	1.843
35.00	SB	464.230	-0.353	-1.287	3.264	2.140
40.00	SB	464.225	-0.620	-1.542	2.951	2.411
50.00	SB	464.230	-1.296	-2.190	2.229	2.865
60.00	SB	464.230	-2.333	-3.183	1.420	3.184

Statical angle of inclination is 6.33 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

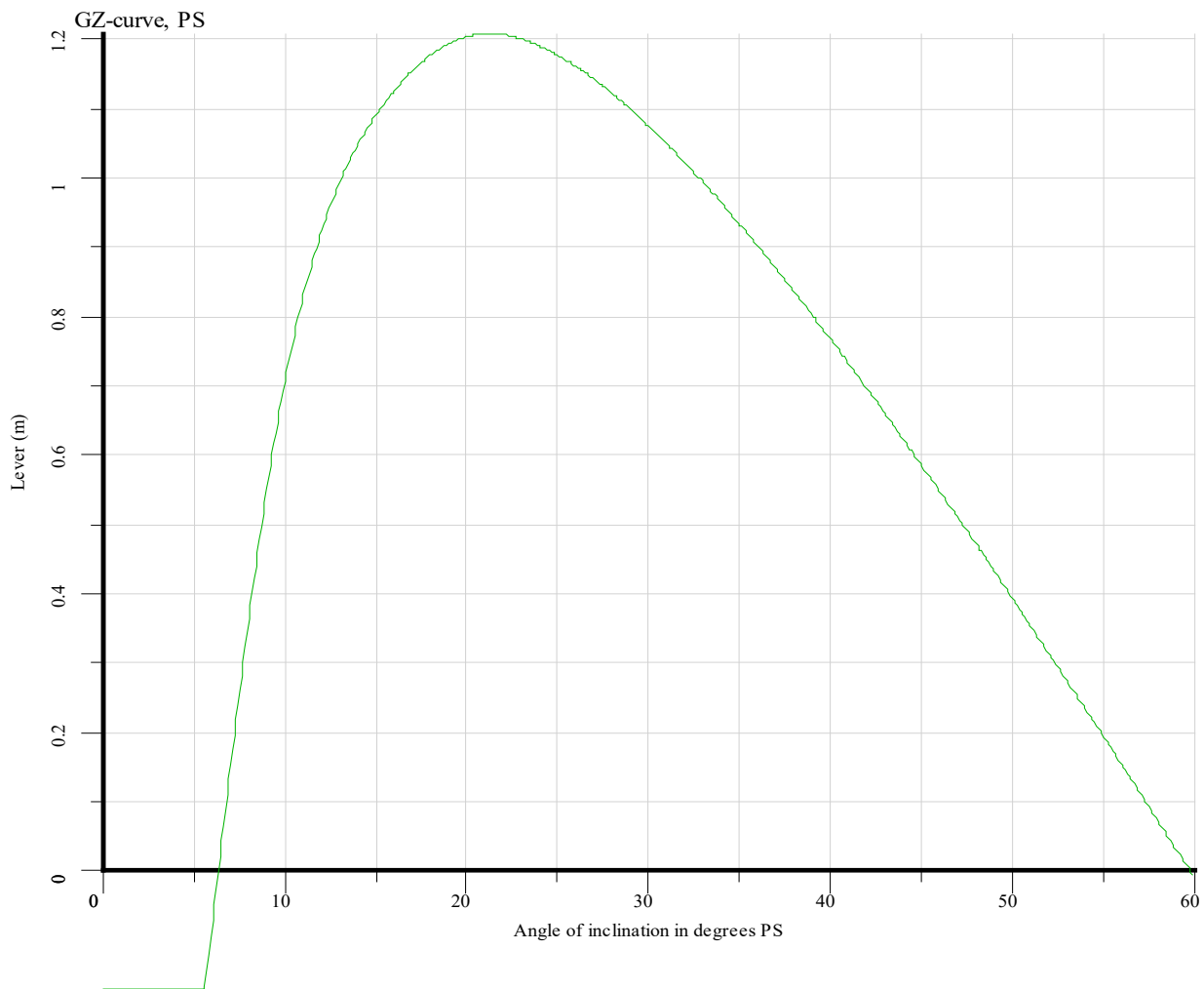
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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.2915	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3340	meter
This damage case complies with the stated criteria				

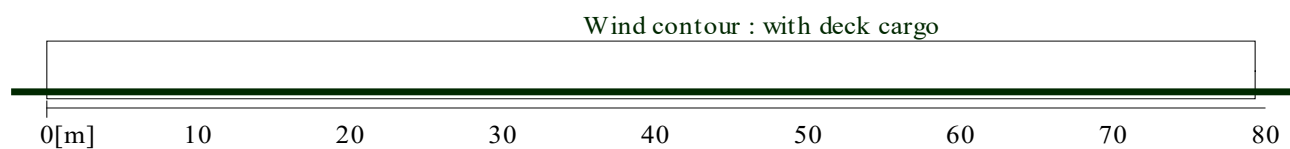
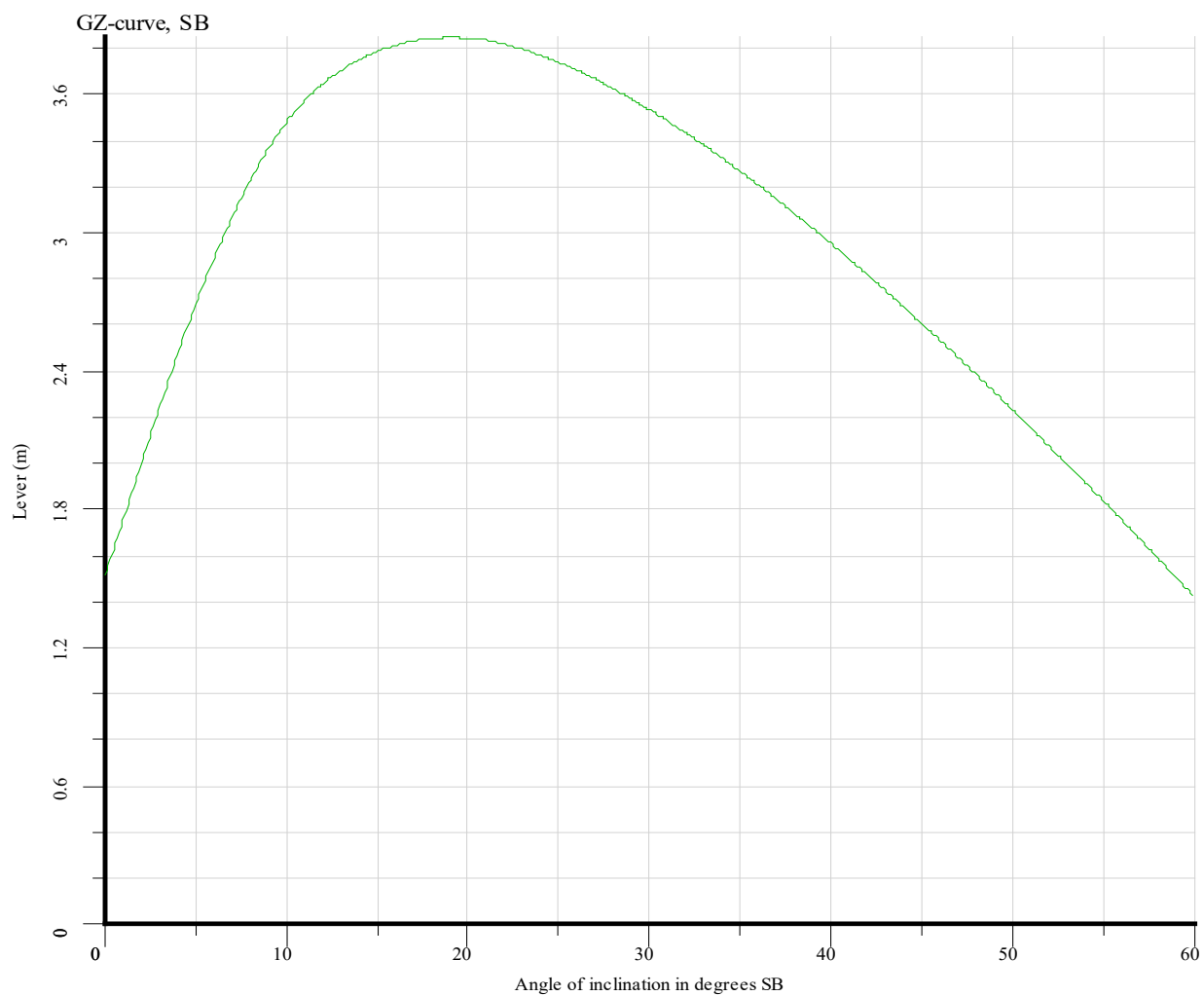


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

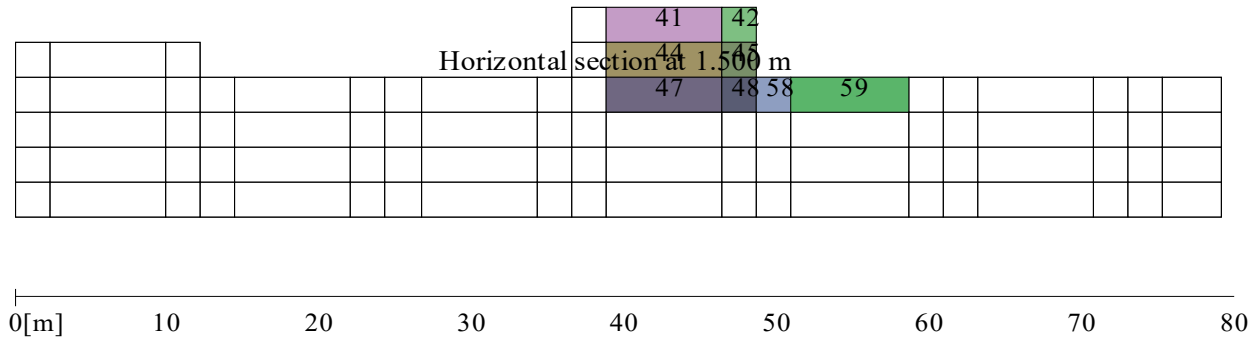


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.356 m
Marginline	mid fore PS	-1.348 m
Marginline	aft PS	-1.190 m
Marginline	fore PS	-0.947 m
Marginline	aft SB	-0.238 m
Marginline	mid aft SB	-0.213 m
Marginline	mid fore SB	-0.205 m
Marginline	fore SB	-0.185 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.356 m
Marginline	mid fore PS	-1.348 m
Marginline	aft PS	-1.190 m
Marginline	fore PS	-0.947 m
Marginline	aft SB	-0.238 m
Marginline	mid aft SB	-0.213 m
Marginline	mid fore SB	-0.205 m
Marginline	fore SB	-0.185 m

Damaged compartments and intact compartment weights (at 4.48° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	18.869	1.0000
15 A A	0.000	1.0000	5.623	1.0000
16 A	0.000	1.0000	15.507	1.0000
16 A A	0.000	1.0000	4.619	1.0000
17 A	0.000	1.0000	12.129	1.0000
17 A A	0.000	1.0000	3.609	1.0000
20	0.000	1.0000	4.642	1.0000
20 A	0.000	1.0000	15.363	1.0000
21	0.000	1.0000	3.626	1.0000
21 A	0.000	1.0000	11.986	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	618.461	-2.575	1.525	-0.320	1.226
50.00	PS	618.451	-1.463	1.050	-0.818	1.126
40.00	PS	618.461	-0.737	0.739	-1.276	0.942
35.00	PS	618.462	-0.451	0.616	-1.480	0.822
30.00	PS	618.463	-0.198	0.508	-1.657	0.685
25.00	PS	618.275	0.030	0.409	-1.793	0.534
20.00	PS	615.812	0.235	0.311	-1.849	0.374
15.00	PS	608.488	0.411	0.217	-1.762	0.216
10.00	PS	590.803	0.536	0.078	-1.392	0.073
5.00	PS	563.322	0.591	-0.041	-0.155	0.001
4.48	PS	560.182	0.593	-0.053	0.000	0.000
2.00	PS	545.214	0.606	-0.108	0.742	0.016
0.00		533.274	0.617	-0.153	1.335	0.052
2.00	SB	521.156	0.627	-0.197	1.926	0.109
5.00	SB	502.481	0.638	-0.267	2.748	0.232
10.00	SB	480.448	0.598	-0.408	3.541	0.512
15.00	SB	470.122	0.470	-0.535	3.813	0.835
20.00	SB	465.483	0.293	-0.675	3.849	1.171
25.00	SB	464.266	0.096	-0.857	3.738	1.503
30.00	SB	464.230	-0.118	-1.061	3.532	1.820
35.00	SB	464.230	-0.353	-1.287	3.264	2.117
40.00	SB	464.230	-0.620	-1.542	2.951	2.389
50.00	SB	464.230	-1.296	-2.190	2.229	2.842
60.00	SB	464.230	-2.333	-3.183	1.420	3.162

Statical angle of inclination is 4.48 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.6032

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

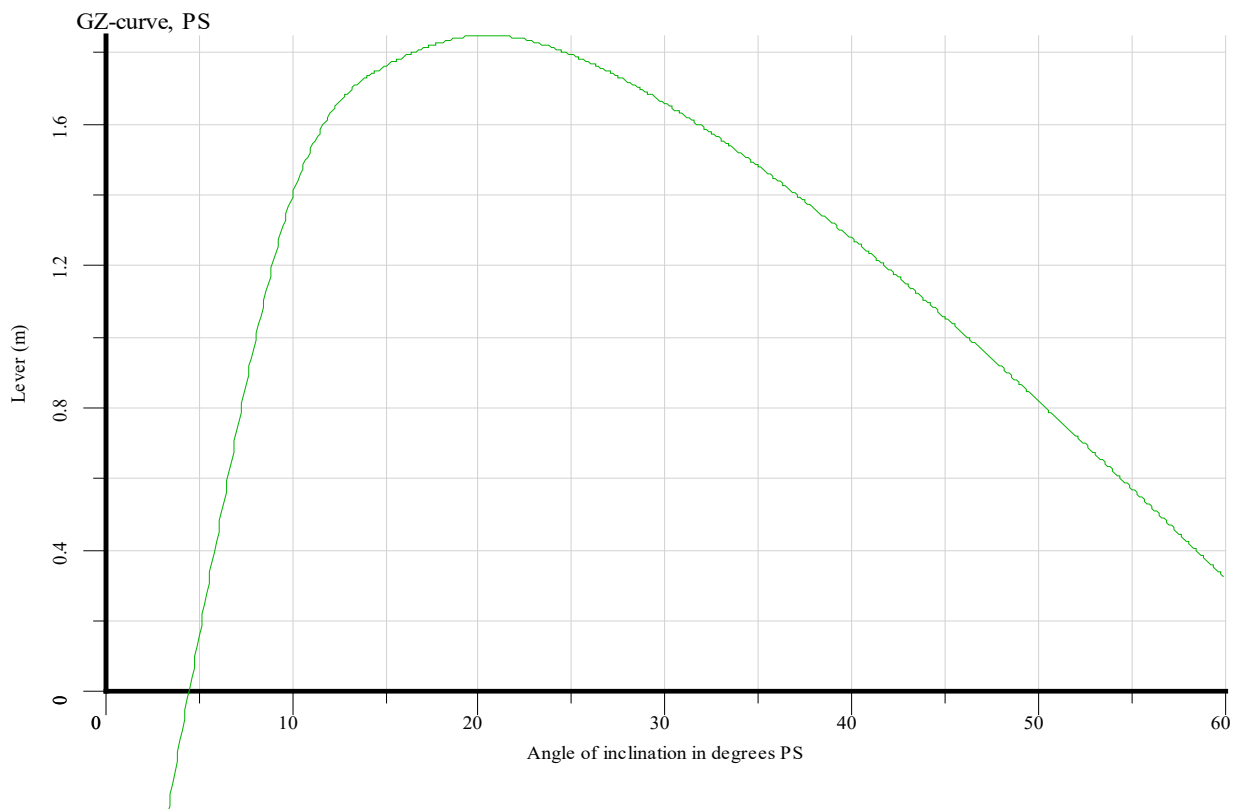
0.1000

Value

0.6352

meter

This damage case complies with the stated criteria

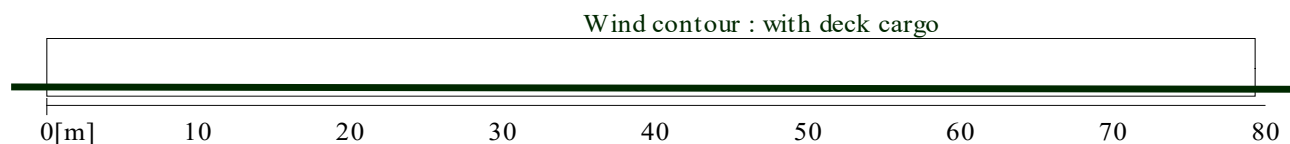
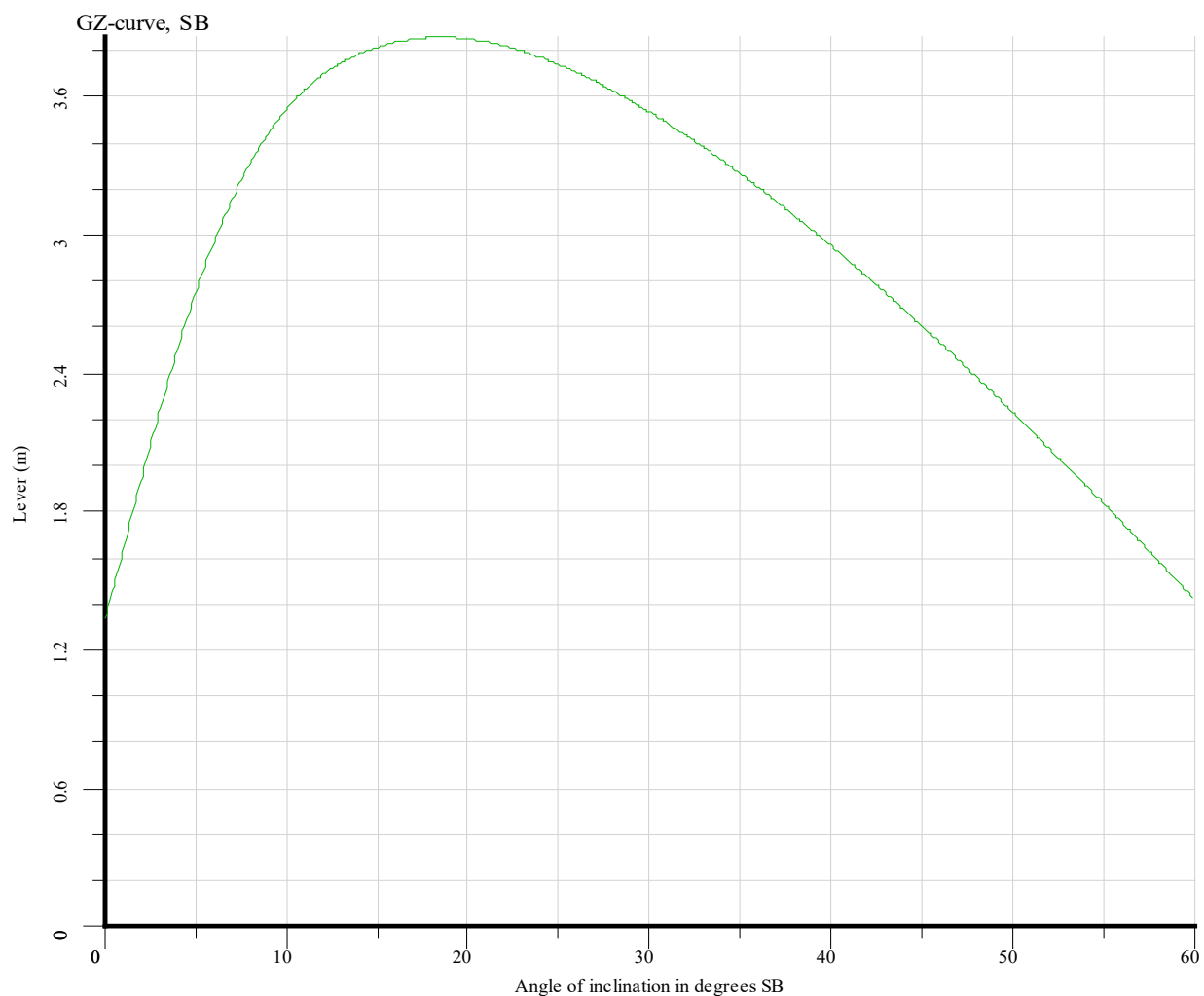


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

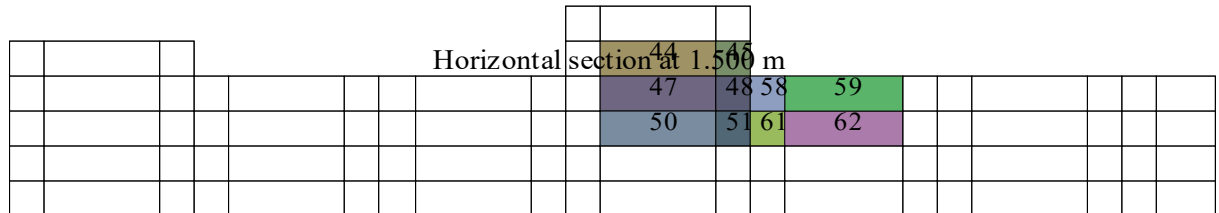


pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.211 m
Marginline	mid aft PS	-1.166 m
Marginline	fore PS	-1.036 m
Marginline	aft PS	-0.887 m
Marginline	fore SB	-0.463 m
Marginline	mid fore SB	-0.350 m
Marginline	mid aft SB	-0.305 m
Marginline	aft SB	-0.170 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.211 m
Marginline	mid aft PS	-1.166 m
Marginline	fore PS	-1.036 m
Marginline	aft PS	-0.887 m
Marginline	fore SB	-0.463 m
Marginline	mid fore SB	-0.350 m
Marginline	mid aft SB	-0.305 m
Marginline	aft SB	-0.170 m

Damaged compartments and intact compartment weights (at 3.37^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	16.277	1.0000
24 A A	0.000	1.0000	4.964	1.0000
25 A	0.000	1.0000	13.734	1.0000
25 A A	0.000	1.0000	4.204	1.0000
26 A	0.000	1.0000	11.198	1.0000
26 A A	0.000	1.0000	3.446	1.0000
28	0.000	1.0000	5.045	1.0000
28 A	0.000	1.0000	8.462	1.0000
29	0.000	1.0000	4.279	1.0000
29 A	0.000	1.0000	7.193	1.0000
30	0.000	1.0000	3.516	1.0000
30 A	0.000	1.0000	5.928	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	582.433	-2.972	5.807	-0.487	1.500
50.00	PS	582.418	-1.736	3.996	-1.032	1.367
40.00	PS	582.398	-0.930	2.815	-1.530	1.143
35.00	PS	582.398	-0.612	2.350	-1.750	0.999
30.00	PS	582.435	-0.331	1.936	-1.941	0.838
25.00	PS	582.515	-0.078	1.573	-2.090	0.662
20.00	PS	582.710	0.150	1.248	-2.172	0.475
15.00	PS	581.812	0.355	0.947	-2.120	0.287
10.00	PS	572.017	0.508	0.619	-1.760	0.113
5.00	PS	556.888	0.588	0.349	-0.522	0.007
3.37	PS	552.567	0.603	0.301	0.000	0.000
2.00	PS	548.928	0.615	0.262	0.451	0.005
0.00		543.623	0.633	0.204	1.095	0.032
2.00	SB	538.353	0.651	0.146	1.738	0.082
5.00	SB	529.824	0.675	0.054	2.665	0.198
10.00	SB	510.666	0.647	-0.098	3.529	0.474
15.00	SB	497.587	0.526	-0.238	3.842	0.798
20.00	SB	488.328	0.348	-0.403	3.896	1.137
25.00	SB	481.971	0.148	-0.607	3.775	1.473
30.00	SB	477.666	-0.068	-0.827	3.558	1.794
35.00	SB	474.539	-0.307	-1.070	3.283	2.093
40.00	SB	472.153	-0.577	-1.344	2.965	2.365
50.00	SB	468.731	-1.262	-2.033	2.237	2.821
60.00	SB	466.440	-2.308	-3.074	1.424	3.141

Statical angle of inclination is 3.37 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

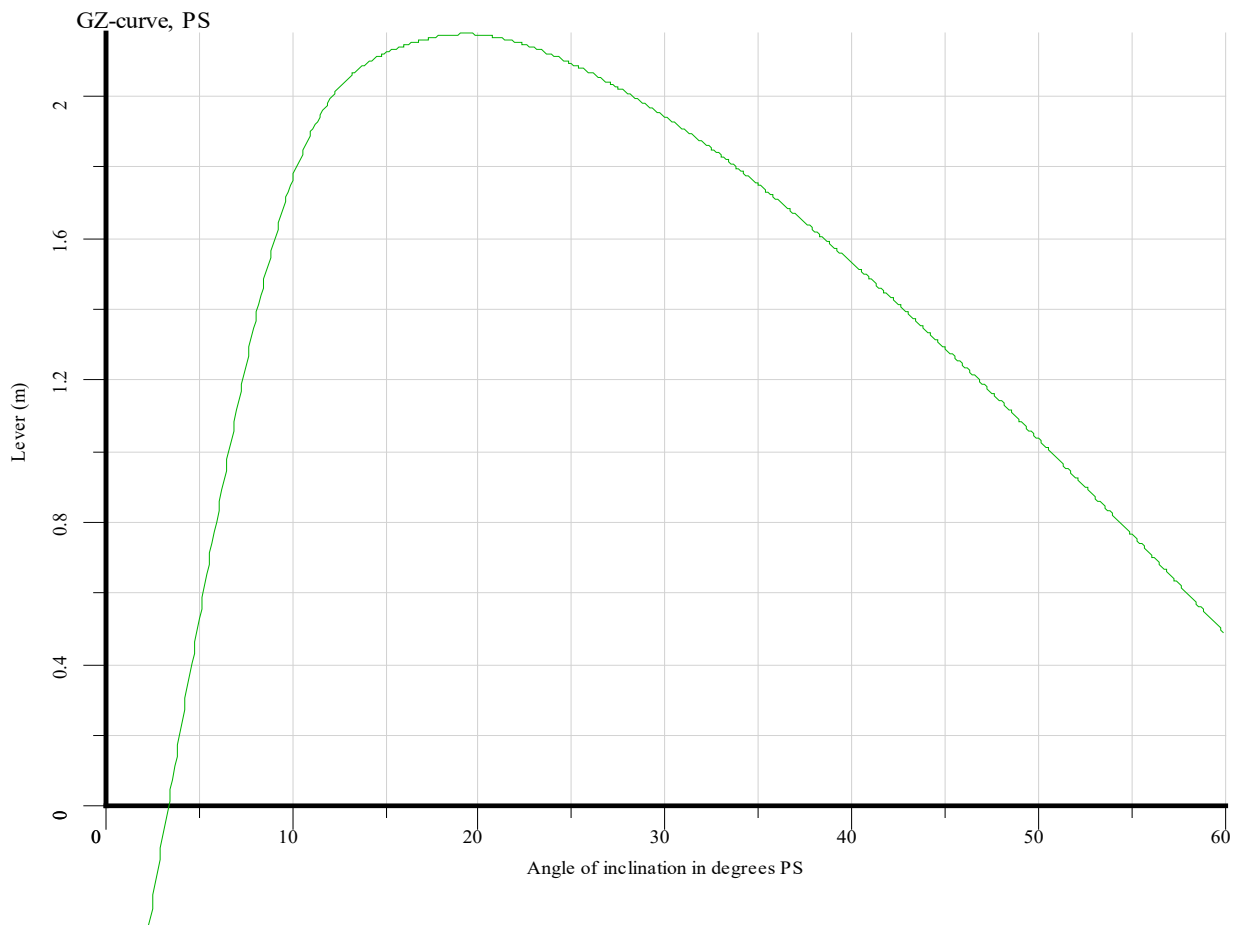
19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7526	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7818	meter
This damage case complies with the stated criteria				

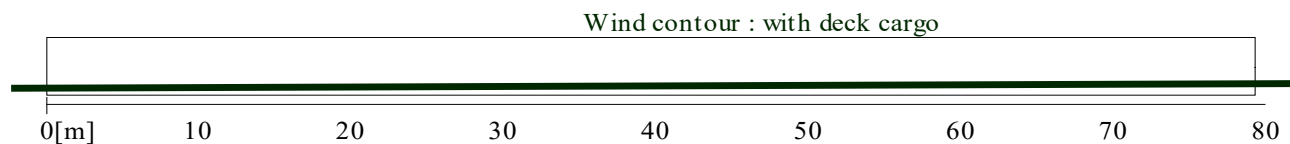
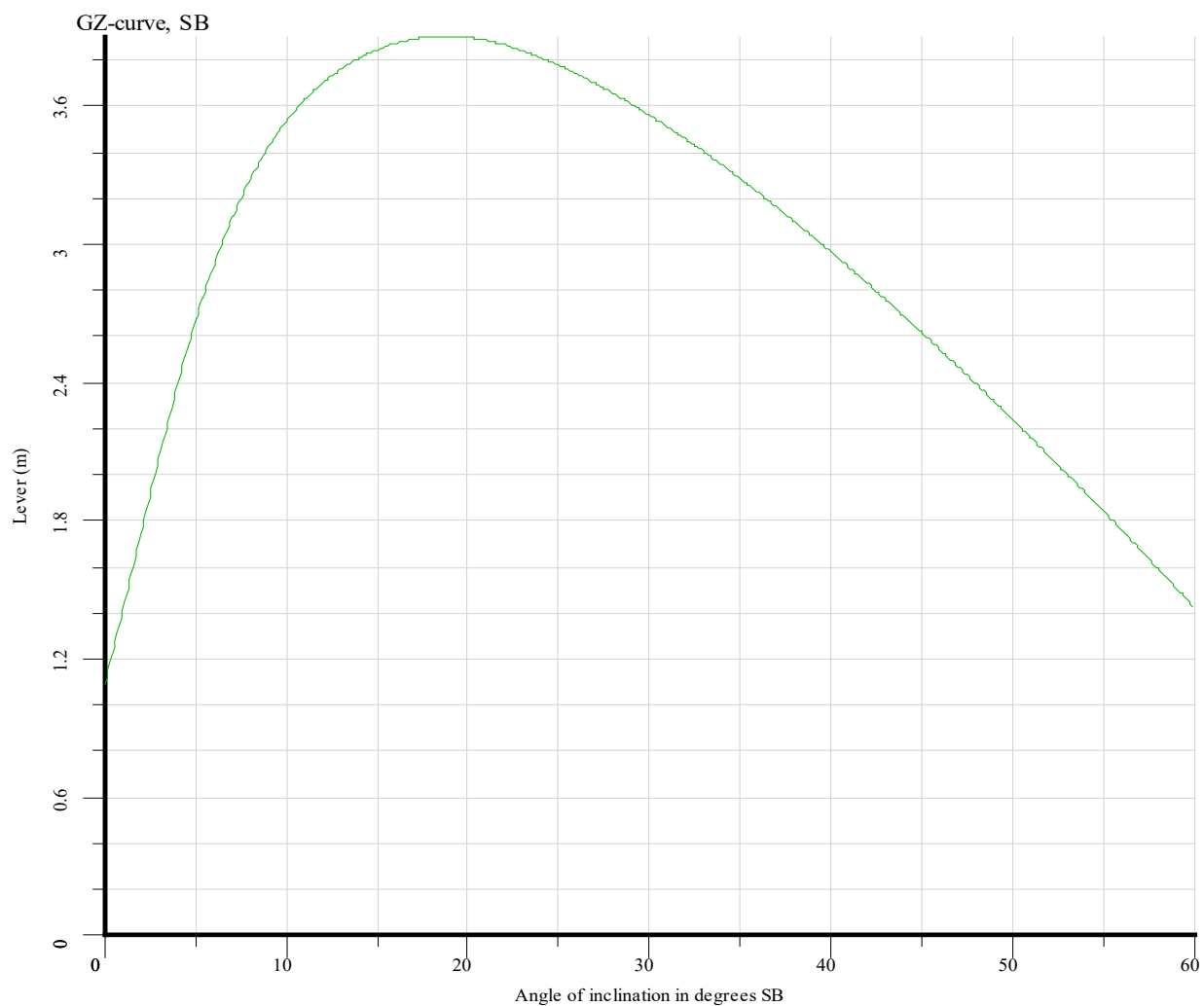


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

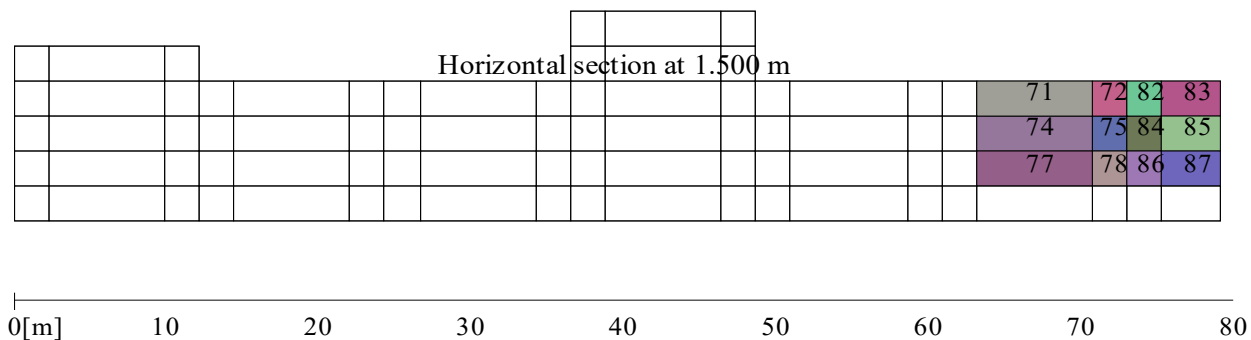
Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.171 m
Marginline	mid aft PS	-1.155 m
Marginline	aft PS	-0.957 m
Marginline	fore PS	-0.914 m
Marginline	fore SB	-0.317 m
Marginline	mid fore SB	-0.276 m
Marginline	mid aft SB	-0.260 m
Marginline	aft SB	-0.211 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.171 m
Marginline	mid aft PS	-1.155 m
Marginline	aft PS	-0.957 m
Marginline	fore PS	-0.914 m
Marginline	fore SB	-0.317 m
Marginline	mid fore SB	-0.276 m
Marginline	mid aft SB	-0.260 m
Marginline	aft SB	-0.211 m

Damaged compartments and intact compartment weights (at 3.51^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	14.547	1.0000
24 A A	0.000	1.0000	4.385	1.0000
25 A	0.000	1.0000	11.904	1.0000
25 A A	0.000	1.0000	3.595	1.0000
28	0.000	1.0000	4.433	1.0000
28 A	0.000	1.0000	7.384	1.0000
29	0.000	1.0000	3.636	1.0000
29 A	0.000	1.0000	6.064	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	582.398	-2.973	5.810	-0.487	1.486
50.00	PS	582.295	-1.737	3.994	-1.032	1.353
40.00	PS	581.186	-0.936	2.782	-1.529	1.129
35.00	PS	579.776	-0.624	2.290	-1.747	0.985
30.00	PS	577.427	-0.349	1.847	-1.935	0.825
25.00	PS	573.801	-0.104	1.445	-2.077	0.649
20.00	PS	568.042	0.116	1.080	-2.148	0.464
15.00	PS	557.643	0.312	0.739	-2.080	0.278
10.00	PS	543.047	0.467	0.416	-1.718	0.108
5.00	PS	525.564	0.549	0.163	-0.481	0.006
3.51	PS	520.178	0.561	0.111	0.000	0.000
2.00	PS	514.756	0.573	0.059	0.498	0.007
0.00		507.581	0.589	-0.010	1.145	0.035
2.00	SB	500.398	0.605	-0.078	1.792	0.087
5.00	SB	489.012	0.623	-0.188	2.692	0.205
10.00	SB	472.286	0.586	-0.385	3.508	0.481
15.00	SB	466.009	0.462	-0.536	3.793	0.802
20.00	SB	464.270	0.290	-0.678	3.843	1.137
25.00	SB	464.235	0.096	-0.857	3.737	1.468
30.00	SB	464.230	-0.118	-1.061	3.532	1.786
35.00	SB	464.227	-0.353	-1.286	3.264	2.083
40.00	SB	464.221	-0.620	-1.542	2.951	2.354
50.00	SB	464.233	-1.296	-2.189	2.229	2.808
60.00	SB	464.238	-2.332	-3.183	1.420	3.127

Statical angle of inclination is 3.51 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

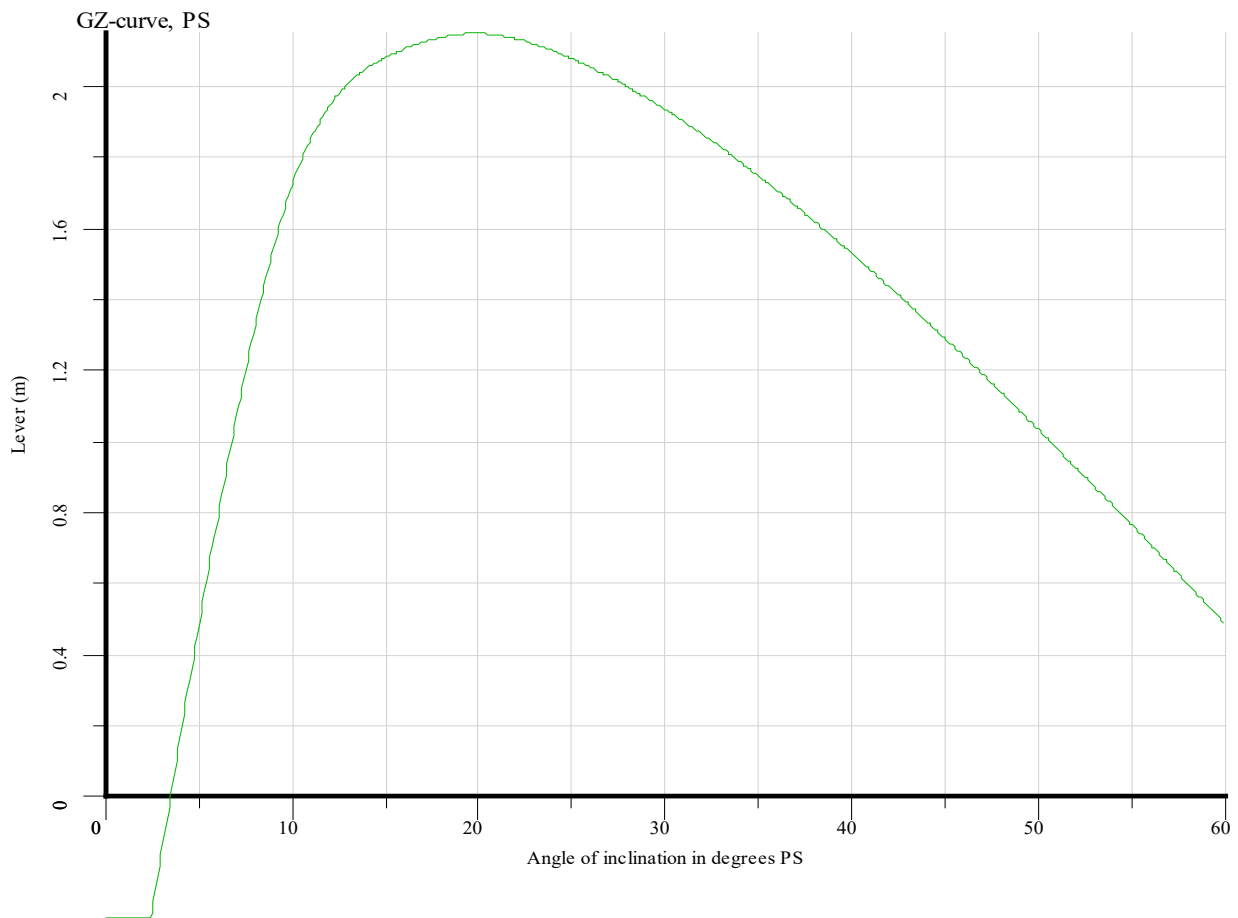
19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7918	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8216	meter
This damage case complies with the stated criteria				

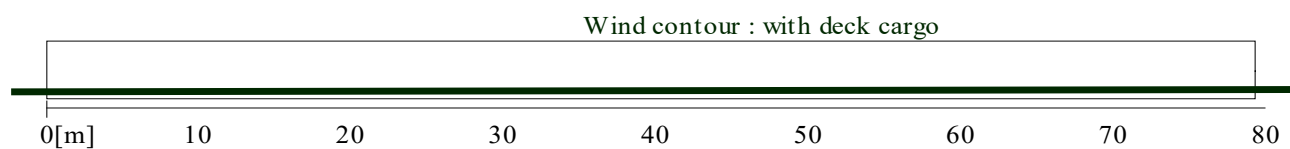
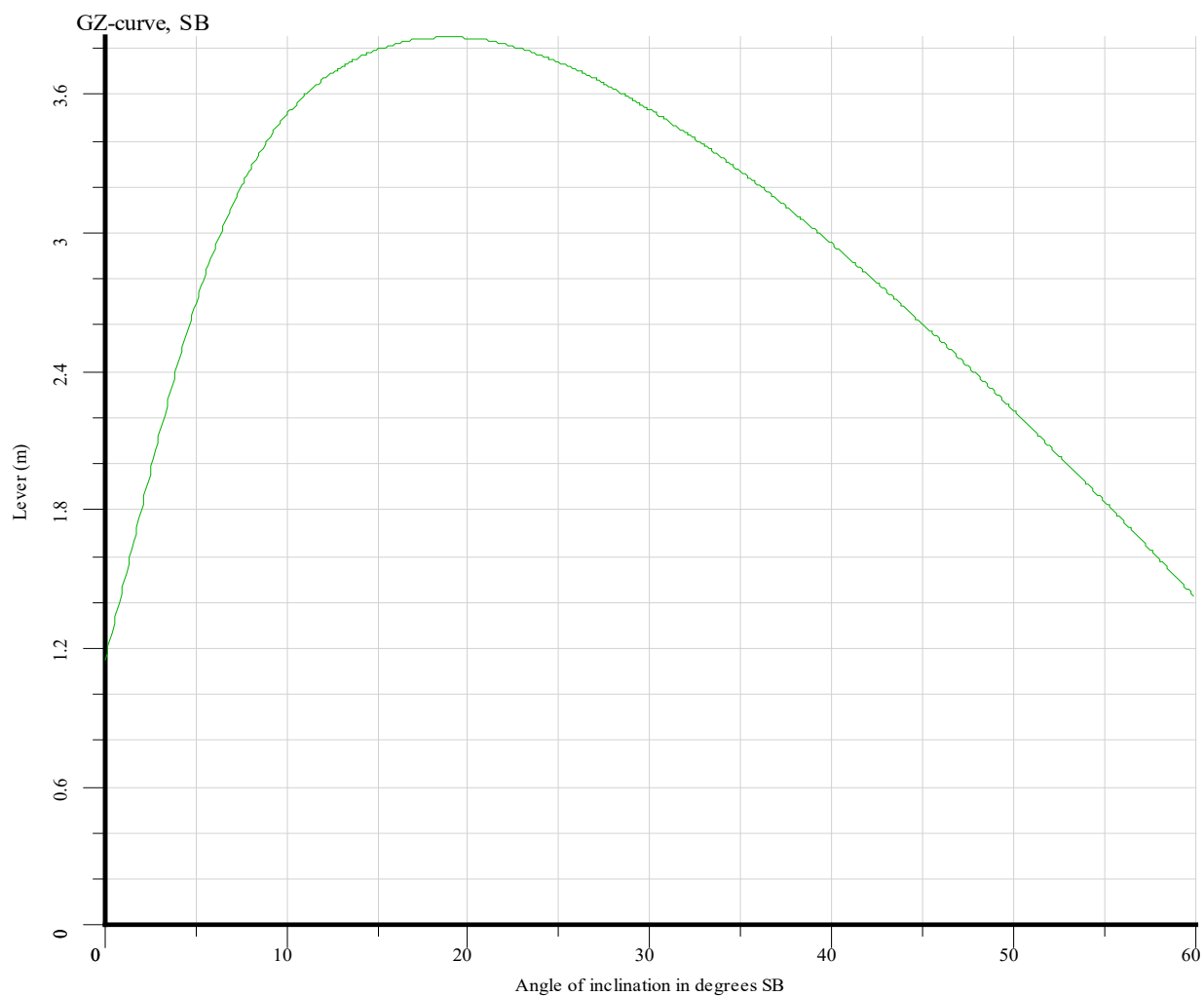


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers 1-4 to PS

FORE PS 2

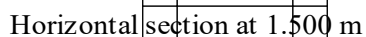
100%

464.230 ton

2.190 m

35.523 m

-0.800 m



71	72	82	83
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74	75	84	85
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FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE SB 3

Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.984 m
Marginline	mid aft PS	-0.959 m
Marginline	fore PS	-0.861 m
Marginline	aft PS	-0.790 m
Marginline	fore SB	-0.488 m
Marginline	mid fore SB	-0.424 m
Marginline	mid aft SB	-0.399 m
Marginline	aft SB	-0.323 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.984 m
Marginline	mid aft PS	-0.959 m
Marginline	fore PS	-0.861 m
Marginline	aft PS	-0.790 m
Marginline	fore SB	-0.488 m
Marginline	mid fore SB	-0.424 m
Marginline	mid aft SB	-0.399 m
Marginline	aft SB	-0.323 m

Damaged compartments and intact compartment weights (at 2.19^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	12.283	1.0000
25 A A	0.000	1.0000	3.726	1.0000
26 A	0.000	1.0000	10.637	1.0000
26 A A	0.000	1.0000	3.234	1.0000
27 A	0.000	1.0000	8.981	1.0000
27 A A	0.000	1.0000	2.739	1.0000
29	0.000	1.0000	3.778	1.0000
29 A	0.000	1.0000	6.317	1.0000
30	0.000	1.0000	3.282	1.0000
30 A	0.000	1.0000	5.496	1.0000
31	0.000	1.0000	2.784	1.0000
31 A	0.000	1.0000	4.670	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	464.249	-4.277	-0.484	-0.584	1.673
50.00	PS	464.361	-2.633	-0.327	-1.155	1.521
40.00	PS	465.792	-1.553	-0.194	-1.675	1.273
35.00	PS	467.273	-1.126	-0.130	-1.903	1.117
30.00	PS	469.528	-0.746	-0.067	-2.100	0.942
25.00	PS	472.884	-0.404	-0.009	-2.252	0.752
20.00	PS	477.547	-0.102	0.033	-2.345	0.550
15.00	PS	484.152	0.165	0.051	-2.323	0.346
10.00	PS	495.024	0.393	0.056	-2.003	0.152
5.00	PS	517.419	0.539	0.115	-0.870	0.022
2.19	PS	532.160	0.592	0.165	0.000	0.000
2.00	PS	533.174	0.596	0.168	0.061	0.000
0.00		543.623	0.633	0.204	0.678	0.013
2.00	SB	554.106	0.671	0.239	1.294	0.047
5.00	SB	569.650	0.726	0.291	2.203	0.140
10.00	SB	592.669	0.759	0.454	3.103	0.376
15.00	SB	608.996	0.720	0.713	3.520	0.668
20.00	SB	614.957	0.641	1.013	3.587	0.980
25.00	SB	616.339	0.548	1.319	3.471	1.289
30.00	SB	616.352	0.442	1.632	3.263	1.583
35.00	SB	616.354	0.326	1.981	3.001	1.857
40.00	SB	616.342	0.194	2.371	2.700	2.106
50.00	SB	616.361	-0.141	3.370	2.014	2.519
60.00	SB	616.354	-0.653	4.898	1.250	2.804

Statical angle of inclination is 2.19 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:26

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.9811

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

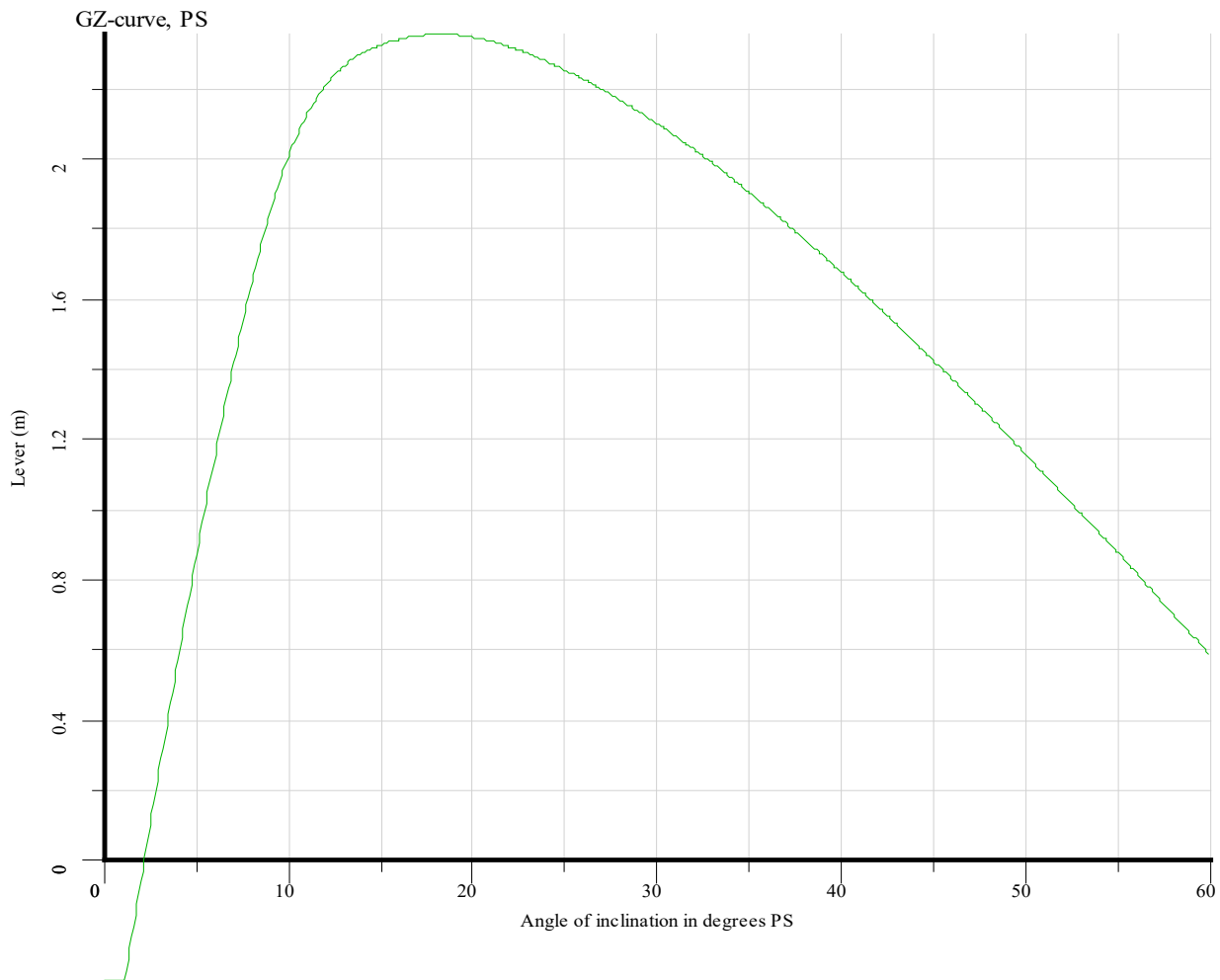
0.1000

Value

1.0088

meter

This damage case complies with the stated criteria

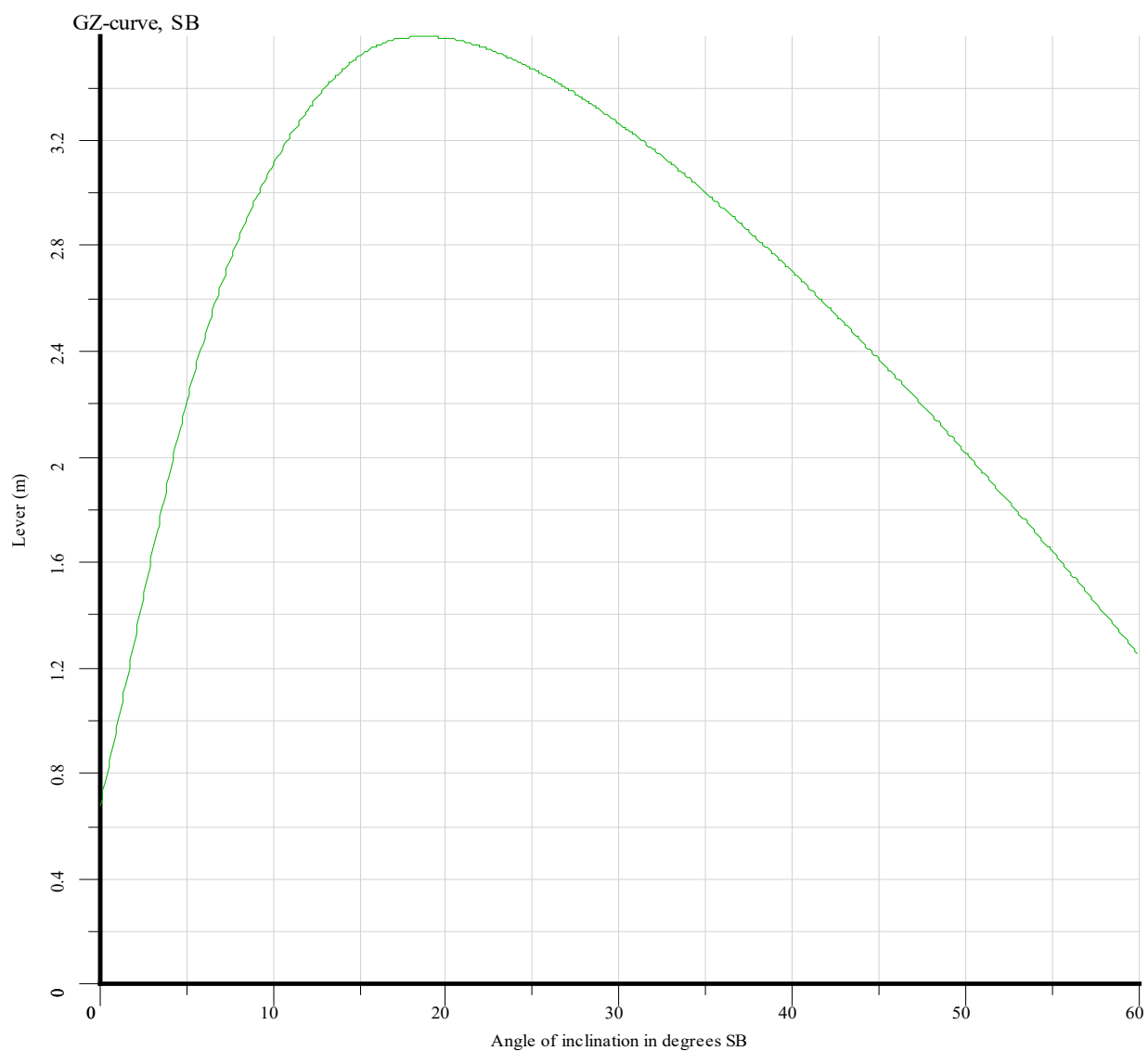


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



pontoon 79.25x14.63x1.98m

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.929 m
Marginline	mid fore PS	-0.922 m
Marginline	aft PS	-0.855 m
Marginline	fore PS	-0.715 m
Marginline	aft SB	-0.381 m
Marginline	mid aft SB	-0.360 m
Marginline	mid fore SB	-0.353 m
Marginline	fore SB	-0.336 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.929 m
Marginline	mid fore PS	-0.922 m
Marginline	aft PS	-0.855 m
Marginline	fore PS	-0.715 m
Marginline	aft SB	-0.381 m
Marginline	mid aft SB	-0.360 m
Marginline	mid fore SB	-0.353 m
Marginline	fore SB	-0.336 m

Damaged compartments and intact compartment weights (at 2.23° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	8.555	1.0000
26 A A	0.000	1.0000	2.542	1.0000
27 A	0.000	1.0000	6.859	1.0000
27 A A	0.000	1.0000	2.035	1.0000
30	0.000	1.0000	2.553	1.0000
30 A	0.000	1.0000	4.216	1.0000
31	0.000	1.0000	2.042	1.0000
31 A	0.000	1.0000	3.369	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE SB 2
Stage of flooding 100%
Intact displacement 464.230 ton
Intact VCG 2.190 m
Intact LCG 35.523 m
Intact TCG -0.800 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	464.204	-4.277	-0.479	-0.585	1.657
50.00	PS	464.230	-2.634	-0.331	-1.155	1.505
40.00	PS	464.234	-1.562	-0.234	-1.671	1.257
35.00	PS	464.240	-1.139	-0.195	-1.895	1.101
30.00	PS	464.223	-0.766	-0.161	-2.085	0.927
25.00	PS	464.230	-0.432	-0.140	-2.229	0.739
20.00	PS	464.230	-0.139	-0.139	-2.314	0.540
15.00	PS	464.318	0.119	-0.159	-2.282	0.338
10.00	PS	467.566	0.345	-0.169	-1.953	0.149
5.00	PS	482.501	0.496	-0.091	-0.860	0.021
2.23	PS	496.432	0.548	-0.046	0.000	0.000
2.00	PS	497.568	0.552	-0.042	0.072	0.000
0.00		507.582	0.589	-0.010	0.690	0.013
2.00	SB	517.585	0.626	0.023	1.307	0.048
5.00	SB	532.355	0.678	0.069	2.200	0.141
10.00	SB	554.852	0.710	0.207	3.092	0.377
15.00	SB	572.931	0.660	0.408	3.479	0.666
20.00	SB	583.330	0.568	0.657	3.557	0.975
25.00	SB	589.779	0.469	0.934	3.448	1.282
30.00	SB	594.173	0.361	1.234	3.247	1.574
35.00	SB	597.394	0.241	1.566	2.988	1.847
40.00	SB	599.882	0.106	1.941	2.689	2.095
50.00	SB	603.537	-0.238	2.890	2.006	2.506
60.00	SB	606.147	-0.766	4.337	1.245	2.790

Statical angle of inclination is 2.23 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

1.0365

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

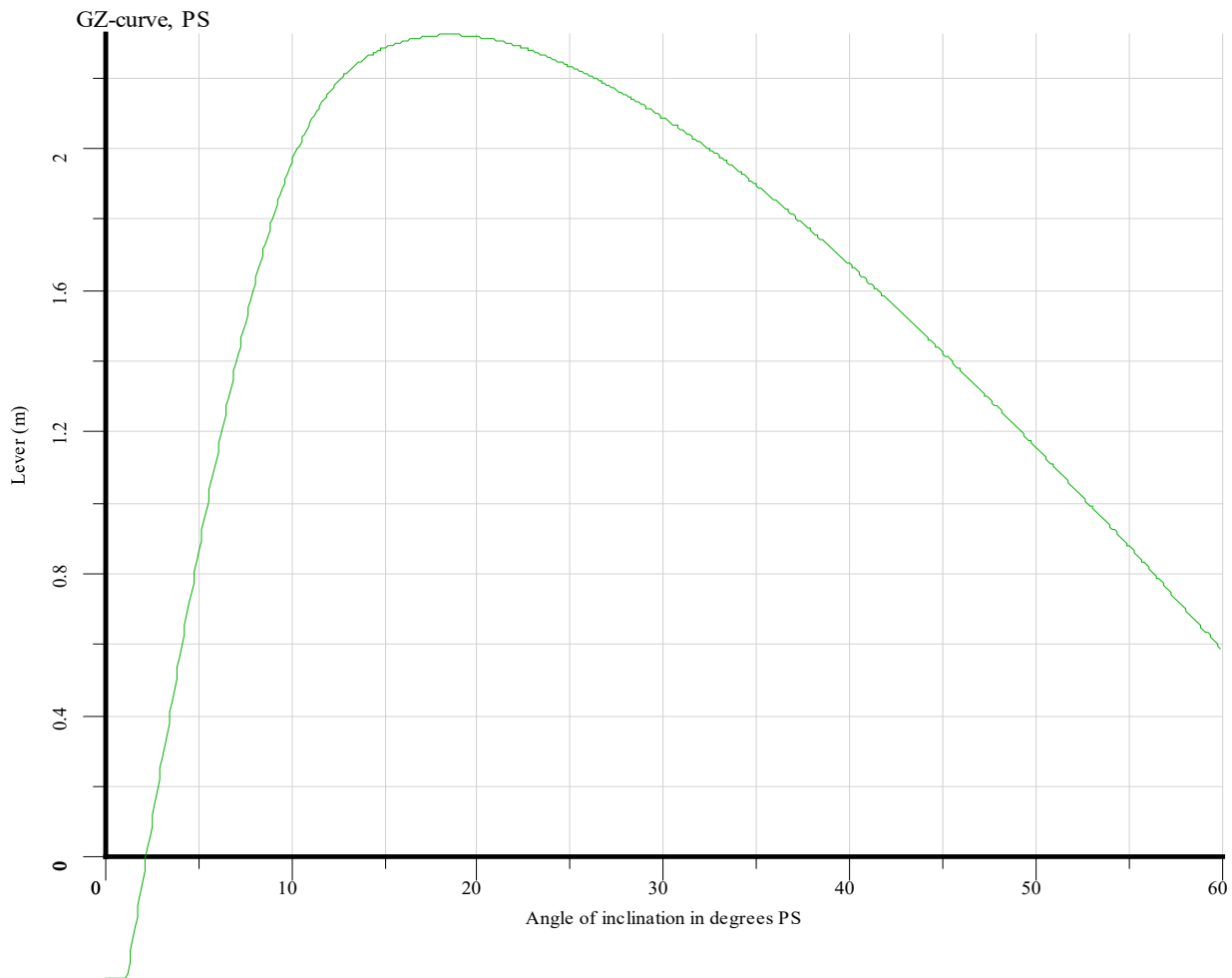
0.1000

Value

1.0649

meter

This damage case complies with the stated criteria

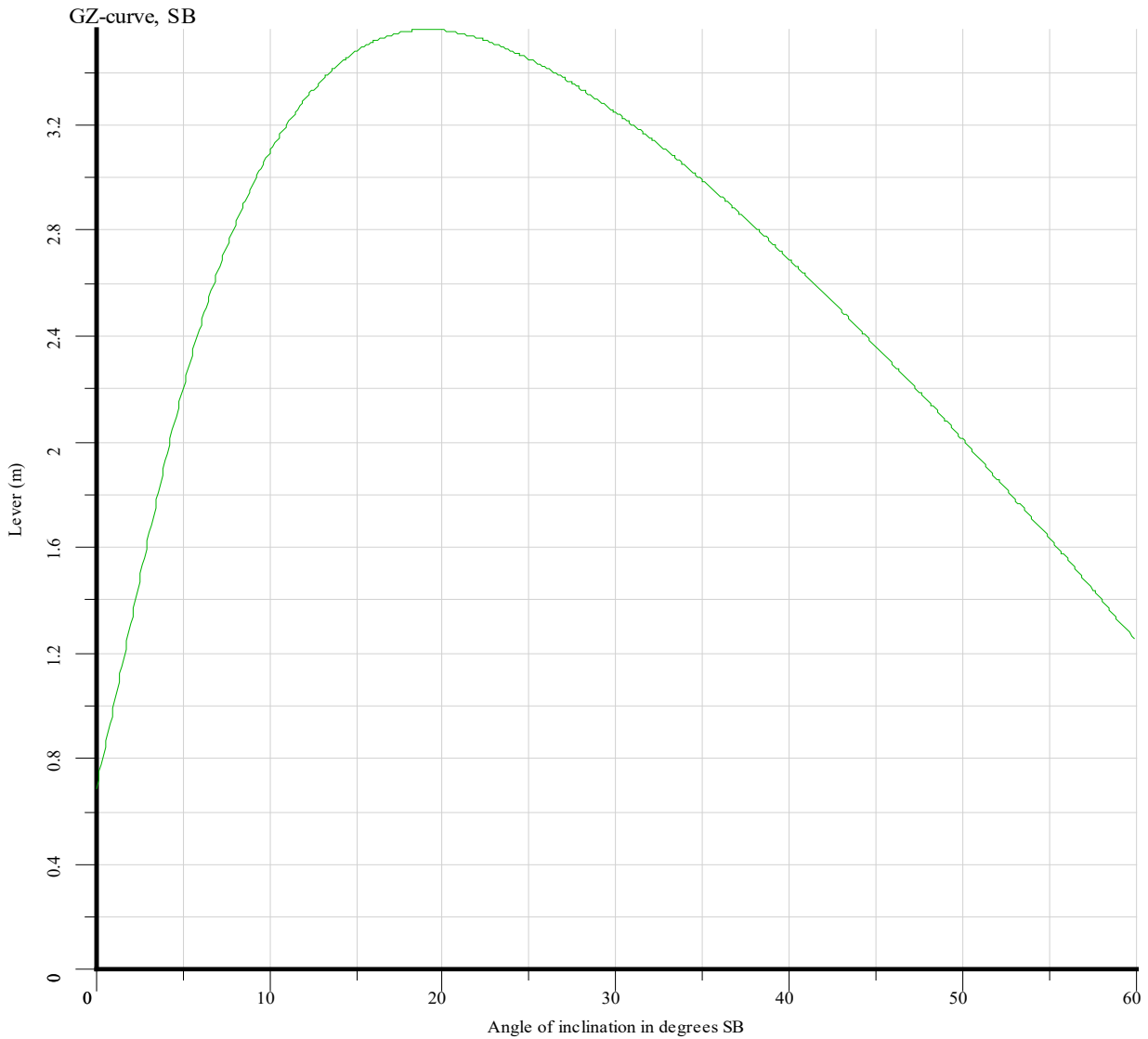


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m

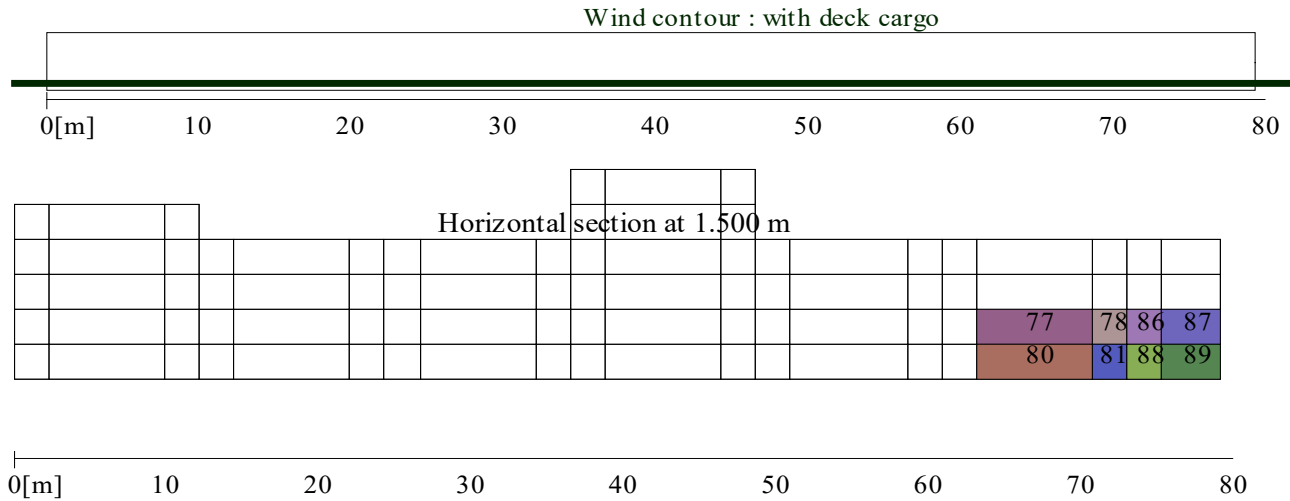


pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers 1-4 to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	464.230 ton
Intact VCG	2.190 m
Intact LCG	35.523 m
Intact TCG	-0.800 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.318 m
Marginline	mid aft PS	-1.304 m
Marginline	mid fore PS	-1.241 m
Marginline	fore PS	-0.730 m
Marginline	aft SB	-0.439 m
Marginline	mid aft SB	-0.249 m
Marginline	mid fore SB	-0.186 m
Marginline	fore SB	-0.027 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.318 m
Marginline	mid aft PS	-1.304 m
Marginline	mid fore PS	-1.241 m
Marginline	fore PS	-0.730 m
Marginline	aft SB	-0.439 m
Marginline	mid aft SB	-0.249 m
Marginline	mid fore SB	-0.186 m
Marginline	fore SB	-0.027 m

Damaged compartments and intact compartment weights (at 4.14° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	21.171	1.0000
1 A A	0.000	1.0000	6.192	1.0000
2 A	0.000	1.0000	18.124	1.0000
2 A A	0.000	1.0000	5.281	1.0000
3 A	0.000	1.0000	15.001	1.0000
3 A A	0.000	1.0000	4.347	1.0000
6	0.000	1.0000	5.254	1.0000
6 A	0.000	1.0000	16.989	1.0000
7	0.000	1.0000	4.314	1.0000
7 A	0.000	1.0000	13.869	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	653.815	-2.184	-7.419	-0.385	1.294
50.00	PS	651.295	-1.213	-5.020	-0.885	1.183
40.00	PS	647.288	-0.583	-3.444	-1.342	0.988
35.00	PS	644.409	-0.336	-2.823	-1.542	0.862
30.00	PS	640.650	-0.119	-2.281	-1.715	0.720
25.00	PS	635.534	0.074	-1.802	-1.846	0.564
20.00	PS	628.097	0.247	-1.383	-1.911	0.399
15.00	PS	615.807	0.398	-1.019	-1.849	0.234
10.00	PS	593.130	0.516	-0.686	-1.485	0.084
5.00	PS	558.374	0.580	-0.440	-0.268	0.002
4.14	PS	552.613	0.584	-0.421	0.000	0.000
2.00	PS	538.362	0.595	-0.376	0.682	0.013
0.00		525.083	0.605	-0.334	1.312	0.048
2.00	SB	511.803	0.615	-0.292	1.940	0.104
5.00	SB	491.222	0.625	-0.229	2.808	0.230
10.00	SB	462.233	0.574	-0.124	3.567	0.514
15.00	SB	449.139	0.436	-0.048	3.808	0.838
20.00	SB	443.464	0.244	-0.003	3.853	1.173
25.00	SB	441.931	0.029	0.015	3.756	1.506
30.00	SB	441.930	-0.200	0.018	3.558	1.826
35.00	SB	441.930	-0.453	0.022	3.294	2.125
40.00	SB	441.937	-0.739	0.026	2.985	2.399
50.00	SB	441.932	-1.465	0.038	2.268	2.859
60.00	SB	441.930	-2.579	0.055	1.462	3.186

Statical angle of inclination is 4.14 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.6433

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

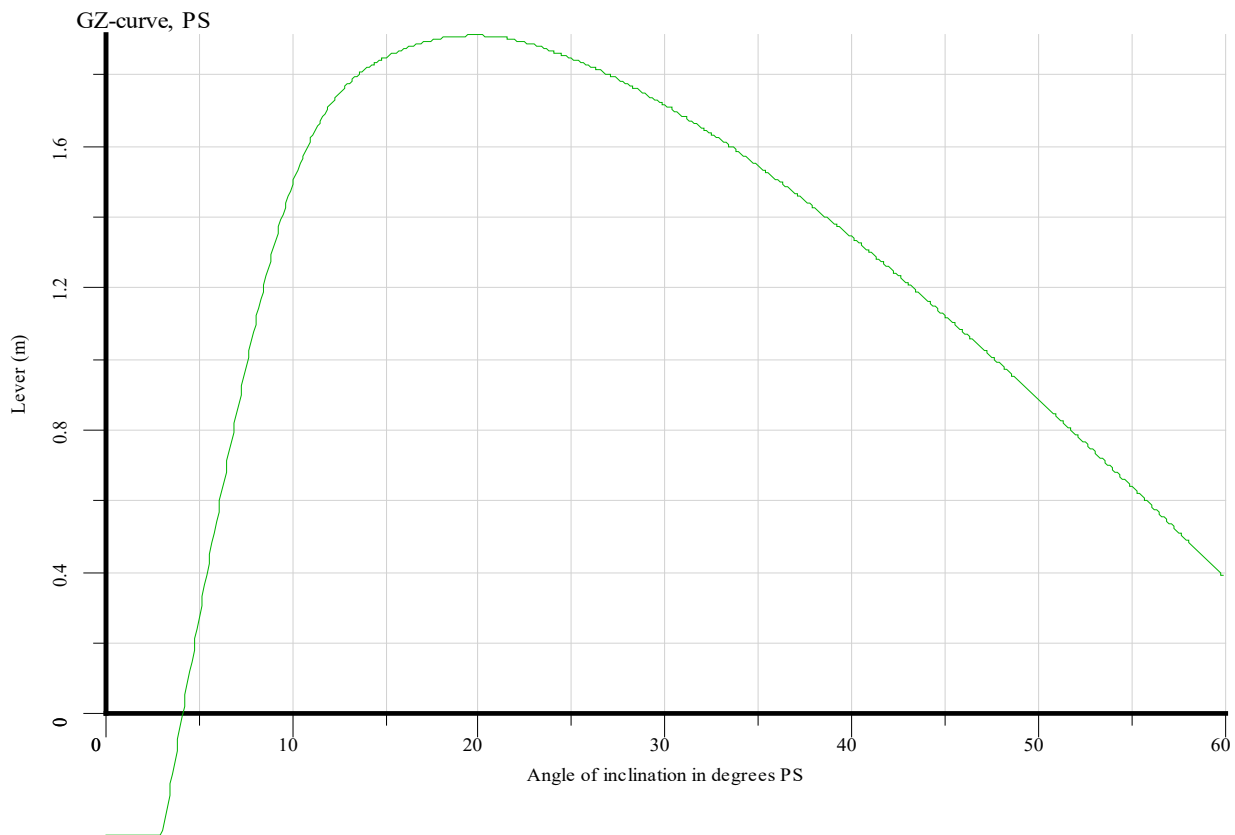
0.1000

Value

0.6697

meter

This damage case complies with the stated criteria

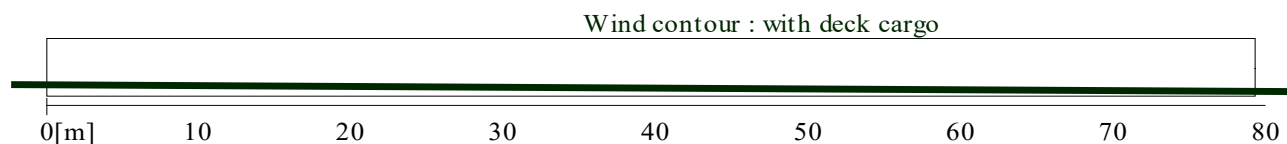
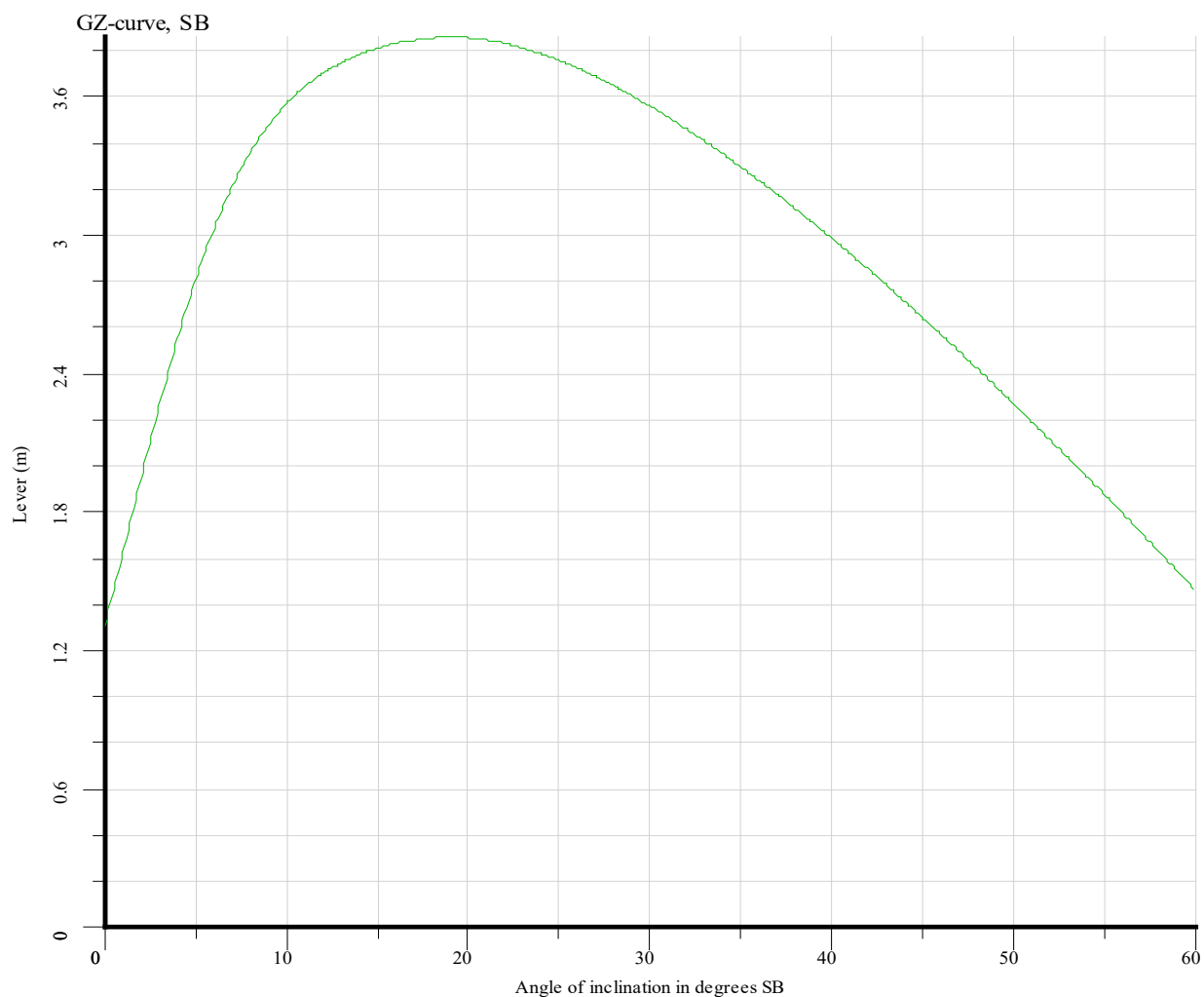


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

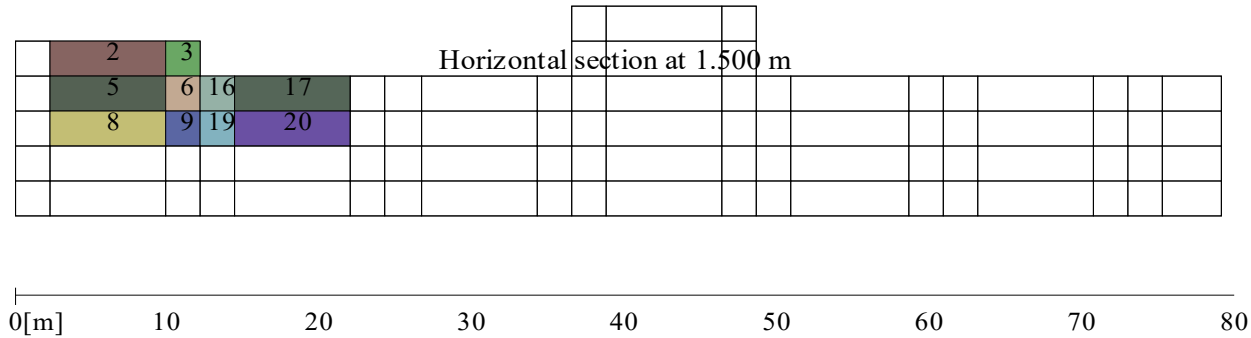


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.934 m
Marginline	mid aft PS	-0.857 m
Marginline	mid fore PS	-0.810 m
Marginline	aft SB	-0.613 m
Marginline	fore PS	-0.563 m
Marginline	mid aft SB	-0.471 m
Marginline	mid fore SB	-0.424 m
Marginline	fore SB	-0.306 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.934 m
Marginline	mid aft PS	-0.857 m
Marginline	mid fore PS	-0.810 m
Marginline	aft SB	-0.613 m
Marginline	fore PS	-0.563 m
Marginline	mid aft SB	-0.471 m
Marginline	mid fore SB	-0.424 m
Marginline	fore SB	-0.306 m

Damaged compartments and intact compartment weights (at 1.51^o PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	13.248	1.0000
3 A A	0.000	1.0000	3.859	1.0000
4 A	0.000	1.0000	12.108	1.0000
4 A A	0.000	1.0000	3.519	1.0000
5 A	0.000	1.0000	11.004	1.0000
5 A A	6.300	1.0000	3.188	1.0000
7	0.000	1.0000	3.839	1.0000
7 A	0.000	1.0000	12.414	1.0000
8	0.000	1.0000	3.496	1.0000
8 A	0.000	1.0000	11.275	1.0000
9	0.000	1.0000	3.164	1.0000
9 A	0.000	1.0000	10.170	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	435.630	-4.593	3.057	-0.644	1.743
50.00	PS	435.630	-2.851	2.104	-1.217	1.580
40.00	PS	435.630	-1.715	1.482	-1.732	1.322
35.00	PS	435.695	-1.268	1.239	-1.956	1.161
30.00	PS	436.241	-0.874	1.026	-2.149	0.981
25.00	PS	437.854	-0.518	0.830	-2.299	0.787
20.00	PS	441.496	-0.196	0.629	-2.386	0.582
15.00	PS	448.803	0.095	0.393	-2.366	0.374
10.00	PS	463.750	0.345	0.141	-2.091	0.175
5.00	PS	497.108	0.513	-0.116	-1.052	0.032
2.00	PS	522.709	0.578	-0.280	-0.150	0.001
1.51	PS	526.900	0.589	-0.307	0.000	0.000
0.00		539.823	0.622	-0.389	0.447	0.006
2.00	SB	556.728	0.665	-0.498	1.045	0.032
5.00	SB	582.030	0.728	-0.661	1.914	0.110
10.00	SB	620.910	0.778	-1.022	2.814	0.321
15.00	SB	644.815	0.768	-1.520	3.212	0.587
20.00	SB	656.473	0.732	-2.105	3.273	0.872
25.00	SB	663.396	0.685	-2.756	3.172	1.154
30.00	SB	667.849	0.631	-3.473	2.985	1.423
35.00	SB	670.760	0.568	-4.266	2.744	1.673
40.00	SB	672.759	0.495	-5.160	2.466	1.901
50.00	SB	675.207	0.306	-7.413	1.828	2.277
60.00	SB	676.572	0.011	-10.843	1.118	2.535

Statical angle of inclination is 1.51 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

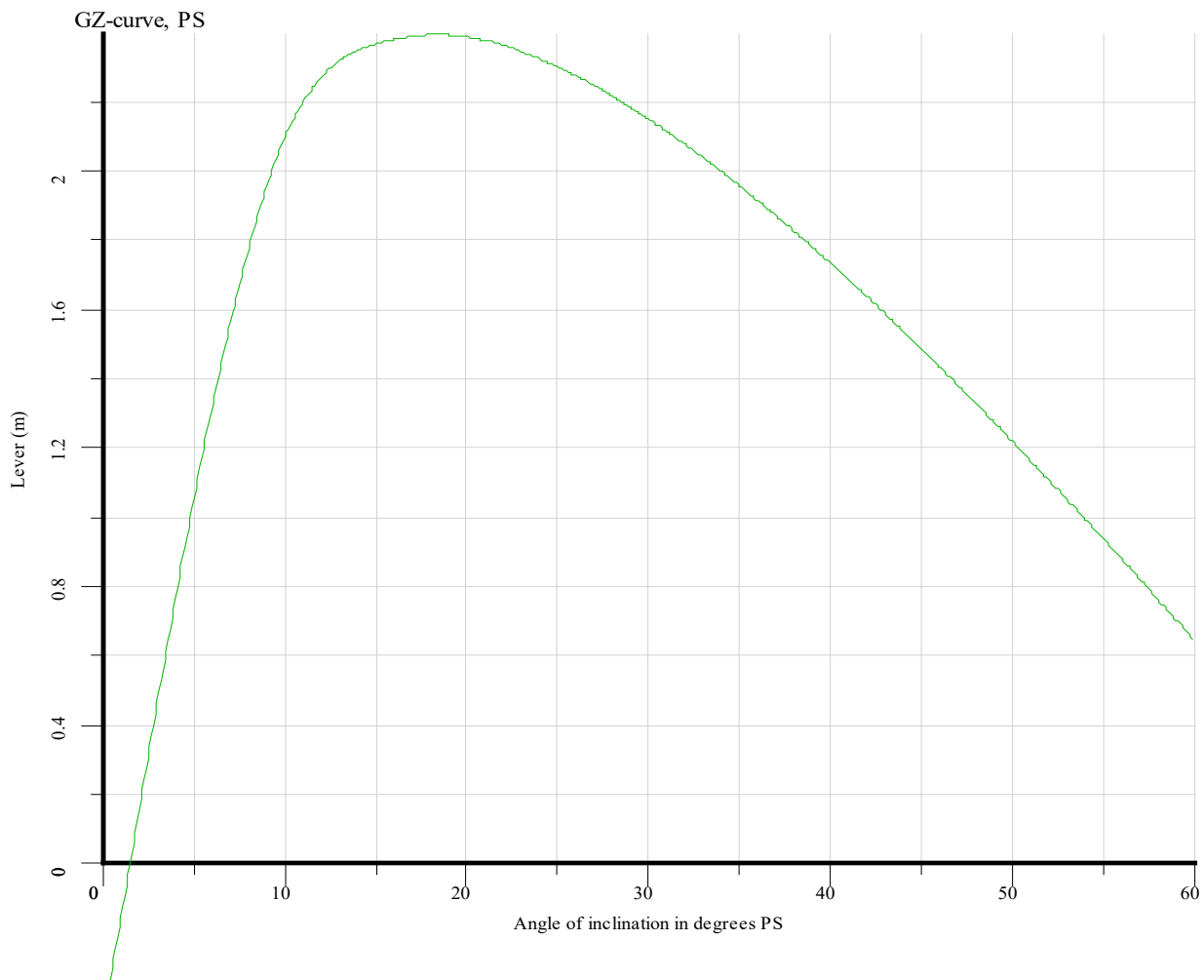
19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0372	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0530	meter
This damage case complies with the stated criteria				

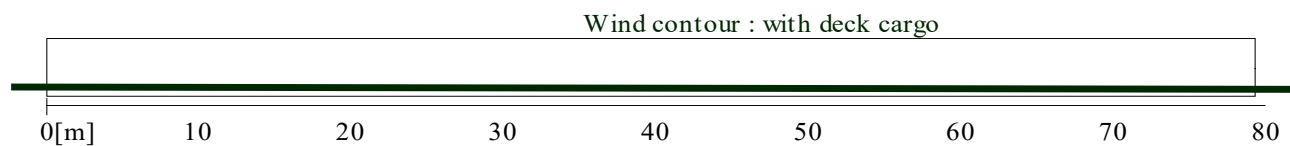
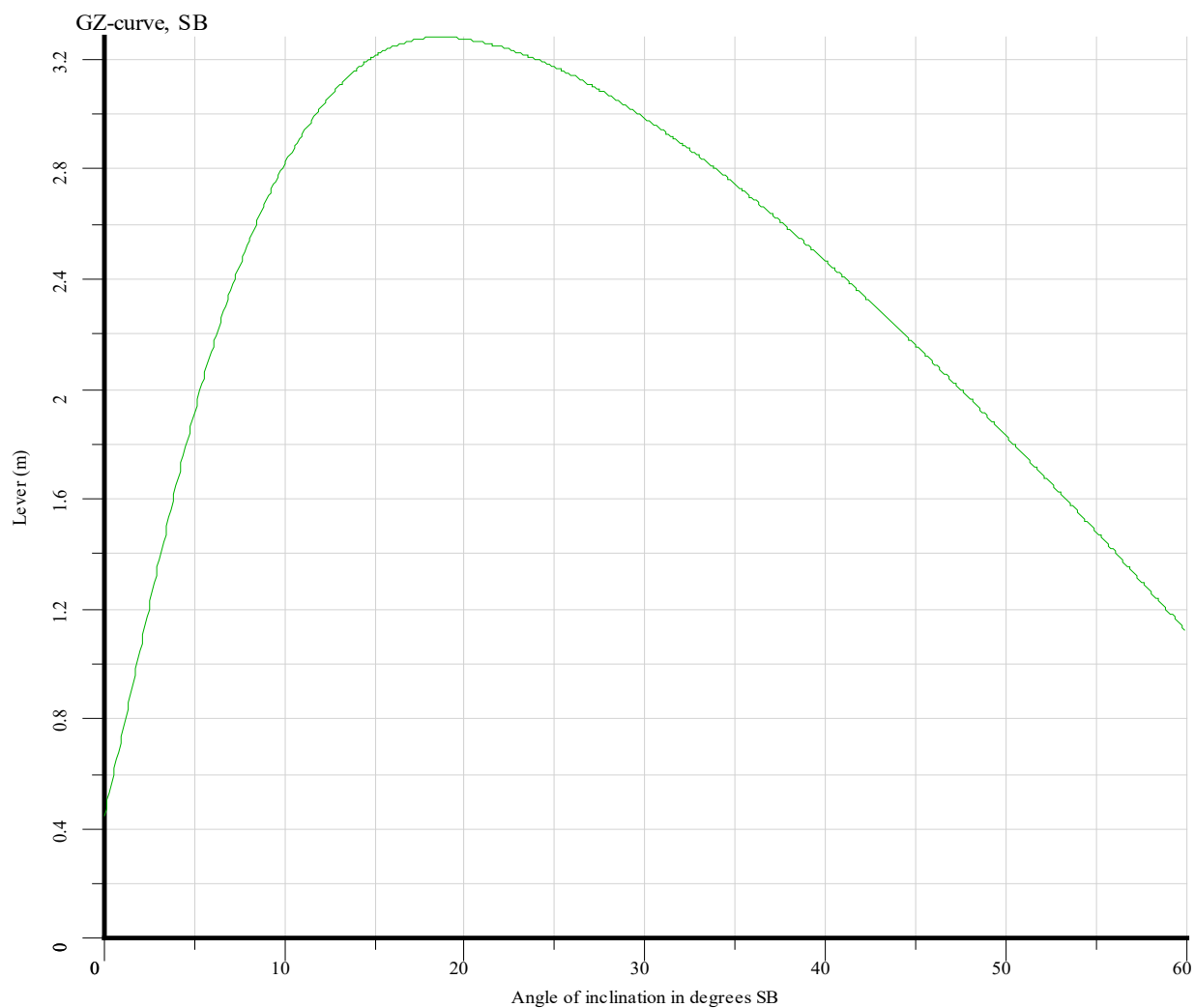


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

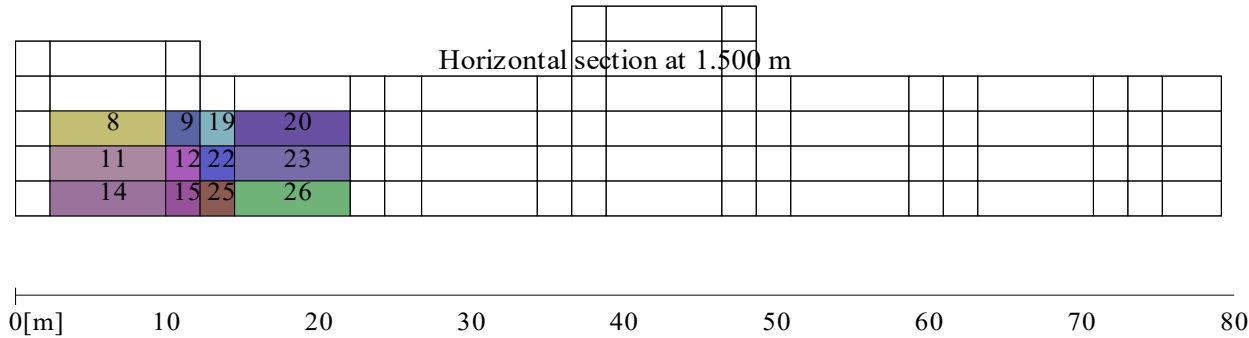


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.832 m
Marginline	mid fore PS	-0.820 m
Marginline	aft PS	-0.795 m
Marginline	fore PS	-0.642 m
Marginline	aft SB	-0.426 m
Marginline	mid aft SB	-0.390 m
Marginline	mid fore SB	-0.378 m
Marginline	fore SB	-0.347 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-0.832 m
Marginline	mid fore PS	-0.820 m
Marginline	aft PS	-0.795 m
Marginline	fore PS	-0.642 m
Marginline	aft SB	-0.426 m
Marginline	mid aft SB	-0.390 m
Marginline	mid fore SB	-0.378 m
Marginline	fore SB	-0.347 m

Damaged compartments and intact compartment weights (at 1.73° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	9.378	1.0000
4 A A	0.000	1.0000	2.777	1.0000
5 A	0.000	1.0000	8.104	1.0000
5 A A	6.300	1.0000	2.396	1.0000
8	0.000	1.0000	2.785	1.0000
8 A	0.000	1.0000	9.162	1.0000
9	0.000	1.0000	2.401	1.0000
9 A	0.000	1.0000	7.886	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	435.630	-4.593	3.057	-0.644	1.721
50.00	PS	435.664	-2.851	2.102	-1.217	1.558
40.00	PS	435.630	-1.715	1.482	-1.732	1.300
35.00	PS	435.630	-1.268	1.240	-1.956	1.139
30.00	PS	435.632	-0.876	1.035	-2.147	0.959
25.00	PS	435.645	-0.526	0.857	-2.291	0.765
20.00	PS	435.630	-0.211	0.690	-2.363	0.561
15.00	PS	435.630	0.066	0.506	-2.313	0.356
10.00	PS	437.627	0.303	0.320	-1.996	0.165
5.00	PS	456.490	0.468	0.080	-0.992	0.029
2.00	PS	478.518	0.530	-0.066	-0.083	0.000
1.73	PS	480.477	0.535	-0.079	0.000	0.000
0.00		493.190	0.570	-0.163	0.519	0.008
2.00	SB	507.782	0.611	-0.260	1.121	0.036
5.00	SB	529.506	0.669	-0.407	1.977	0.118
10.00	SB	562.720	0.709	-0.709	2.849	0.334
15.00	SB	586.473	0.672	-1.077	3.220	0.601
20.00	SB	598.100	0.600	-1.514	3.284	0.887
25.00	SB	604.909	0.513	-2.007	3.186	1.170
30.00	SB	609.225	0.416	-2.547	3.000	1.440
35.00	SB	612.045	0.306	-3.139	2.759	1.692
40.00	SB	613.898	0.181	-3.800	2.480	1.921
50.00	SB	615.874	-0.144	-5.451	1.842	2.299
60.00	SB	616.773	-0.649	-7.955	1.129	2.559

Statical angle of inclination is 1.73 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

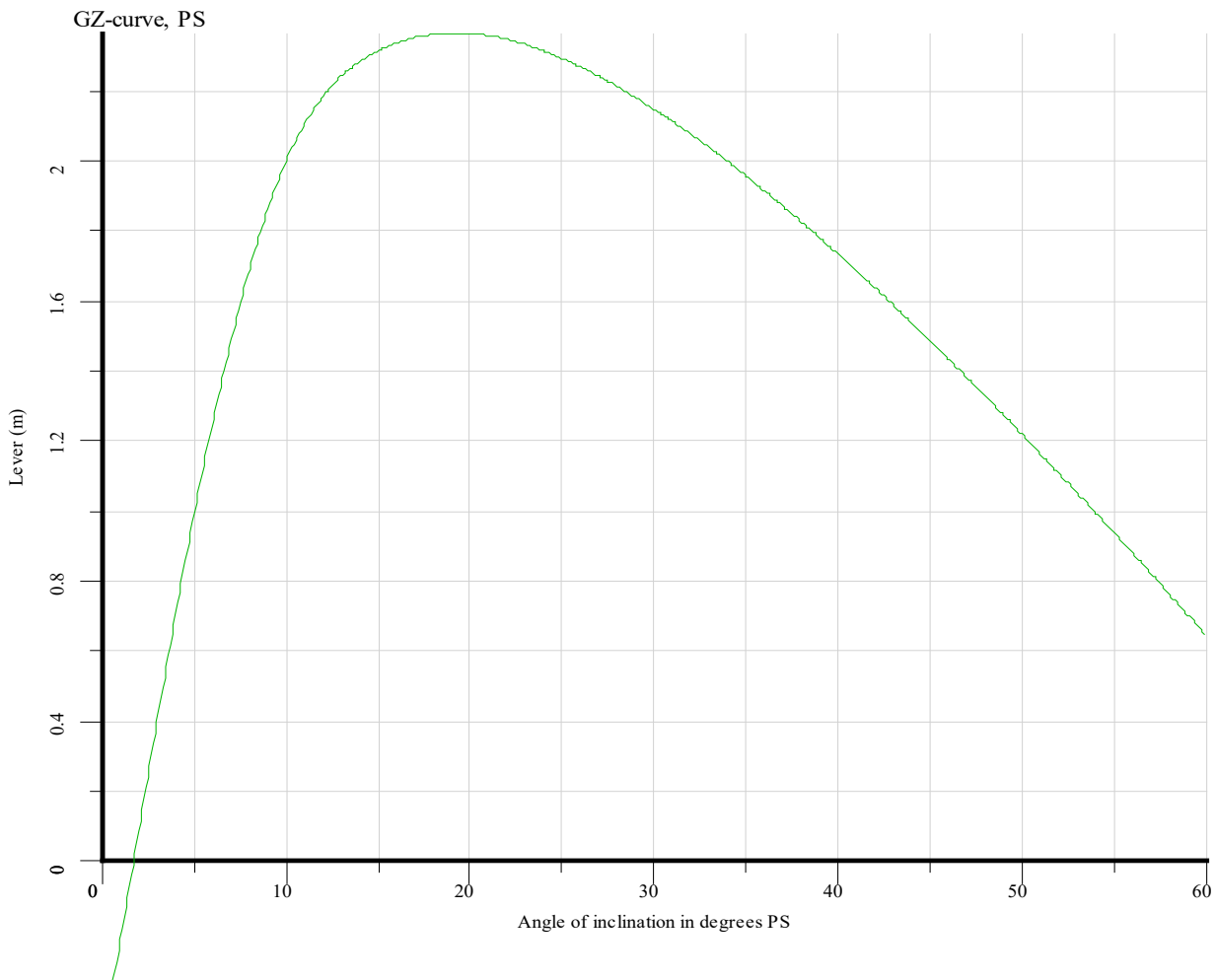
19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1326	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1623	meter
This damage case complies with the stated criteria				

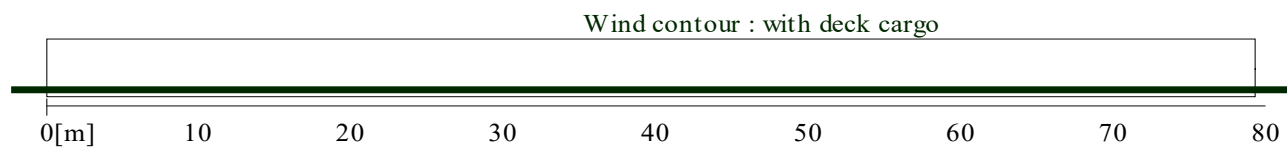
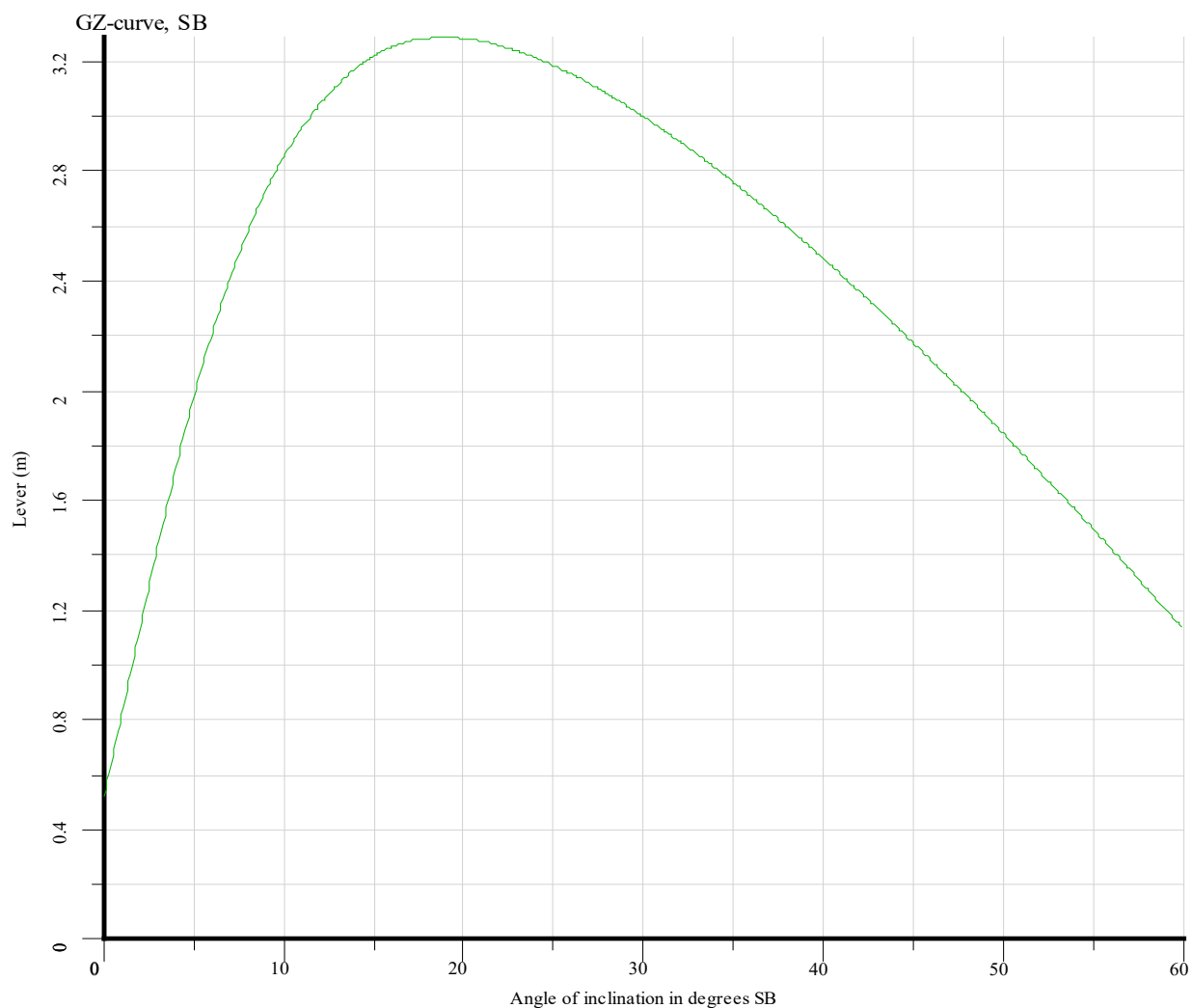


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

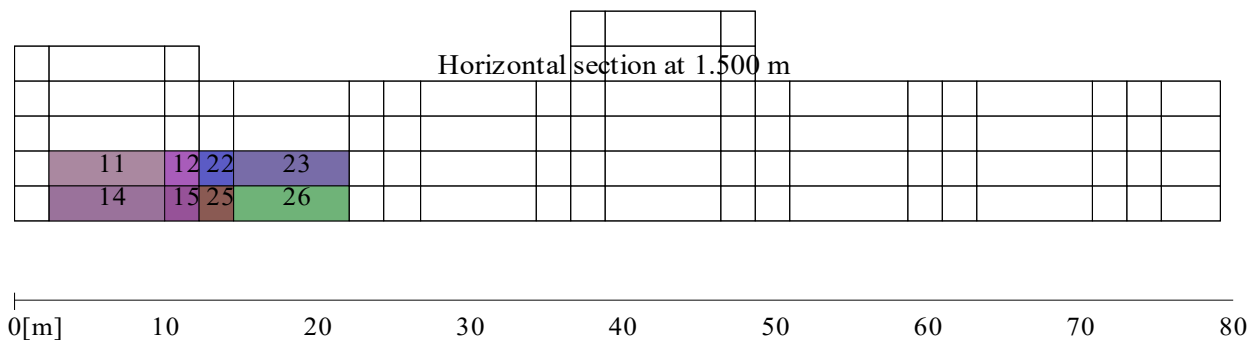
Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.551 m
Marginline	mid aft PS	-1.524 m
Marginline	aft PS	-1.199 m
Marginline	fore PS	-1.132 m
Marginline	fore SB	-0.158 m
Marginline	mid fore SB	-0.090 m
Marginline	mid aft SB	-0.063 m
Marginline	aft SB	0.018 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.551 m
Marginline	mid aft PS	-1.524 m
Marginline	aft PS	-1.199 m
Marginline	fore PS	-1.132 m
Marginline	fore SB	-0.158 m
Marginline	mid fore SB	-0.090 m
Marginline	mid aft SB	-0.063 m
Marginline	aft SB	0.018 m

Damaged compartments and intact compartment weights (at 5.73° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	16.012	1.0000
10 A A	0.000	1.0000	4.845	1.0000
14	0.000	1.0000	7.473	1.0000
14 A	0.000	1.0000	25.004	1.0000
15	0.000	1.0000	6.208	1.0000
15 A	0.000	1.0000	20.818	1.0000
16	0.000	1.0000	4.906	1.0000
16 A	0.000	1.0000	16.490	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	622.423	-2.531	2.597	-0.112	0.852
50.00	PS	620.553	-1.447	1.796	-0.535	0.796
40.00	PS	617.438	-0.742	1.273	-0.925	0.667
35.00	PS	615.188	-0.466	1.068	-1.097	0.579
30.00	PS	612.203	-0.221	0.886	-1.241	0.477
25.00	PS	608.054	-0.001	0.721	-1.344	0.364
20.00	PS	601.878	0.201	0.574	-1.368	0.244
15.00	PS	592.852	0.381	0.445	-1.246	0.129
10.00	PS	575.806	0.516	0.288	-0.846	0.034
5.73	PS	542.990	0.556	0.180	0.000	0.000
5.00	PS	537.382	0.563	0.161	0.179	0.001
2.00	PS	511.654	0.570	0.116	0.954	0.031
0.00		494.621	0.575	0.085	1.465	0.073
2.00	SB	477.475	0.580	0.055	1.975	0.133
5.00	SB	455.418	0.585	0.010	2.715	0.256
10.00	SB	442.617	0.544	0.007	3.480	0.531
15.00	SB	441.930	0.422	0.010	3.771	0.850
20.00	SB	441.929	0.240	0.012	3.845	1.183
25.00	SB	441.931	0.029	0.015	3.756	1.516
30.00	SB	441.925	-0.200	0.018	3.558	1.836
35.00	SB	441.924	-0.453	0.022	3.294	2.135
40.00	SB	441.937	-0.739	0.026	2.985	2.409
50.00	SB	441.944	-1.465	0.037	2.268	2.869
60.00	SB	441.930	-2.579	0.055	1.462	3.196

Statical angle of inclination is 5.73 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2 L PS 3

Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS

Distance between waterline and deck due to wind- and passenger moment

Criterion

0.1000

Value

0.3992

meter

Criteria calculated to SB

Distance between waterline and deck due to wind- and passenger moment

Criterion

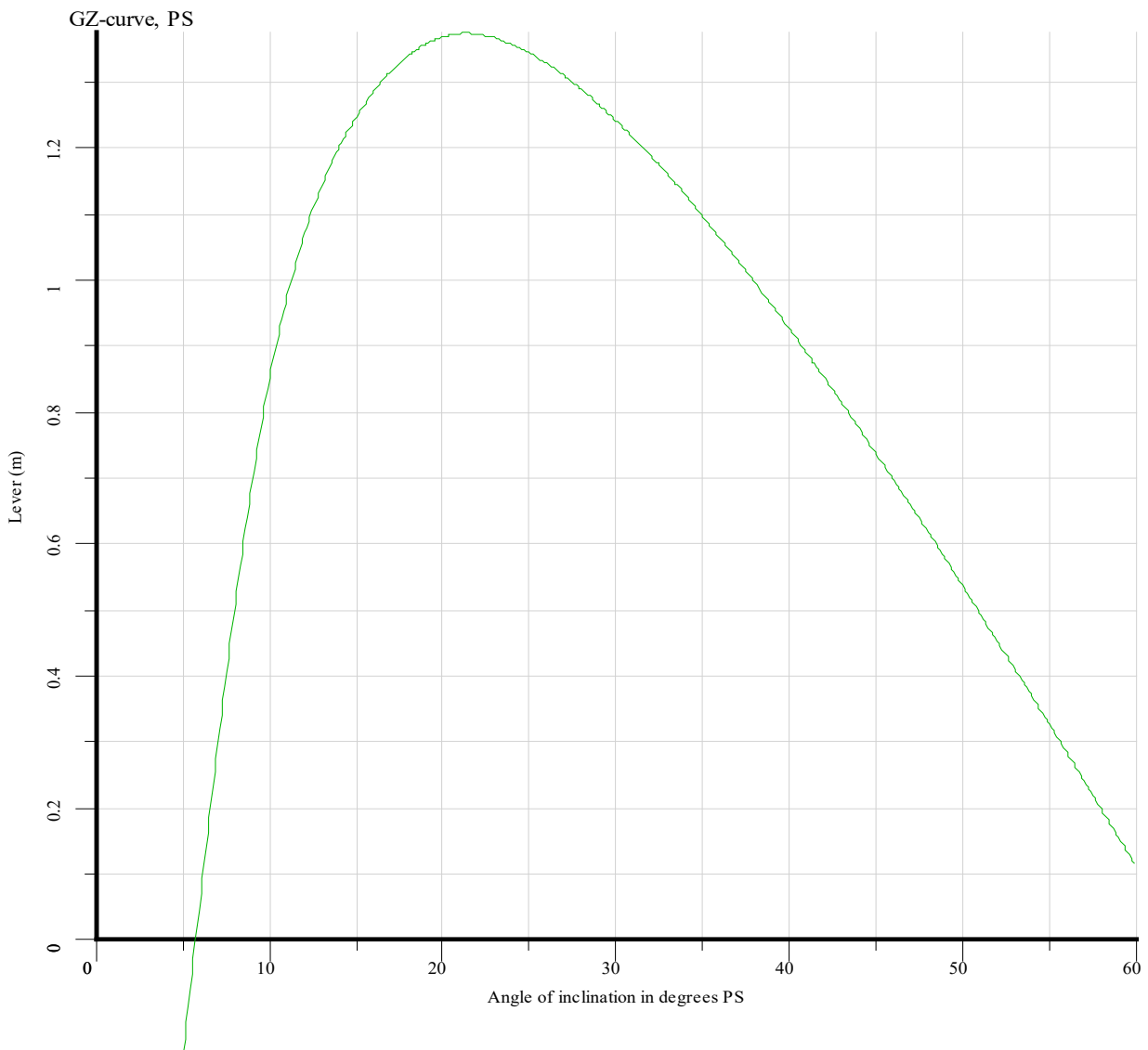
0.1000

Value

0.4423

meter

This damage case complies with the stated criteria

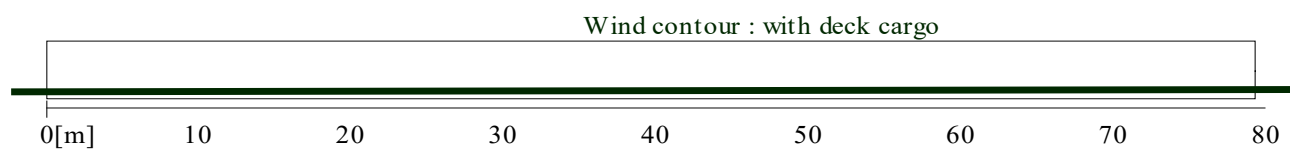
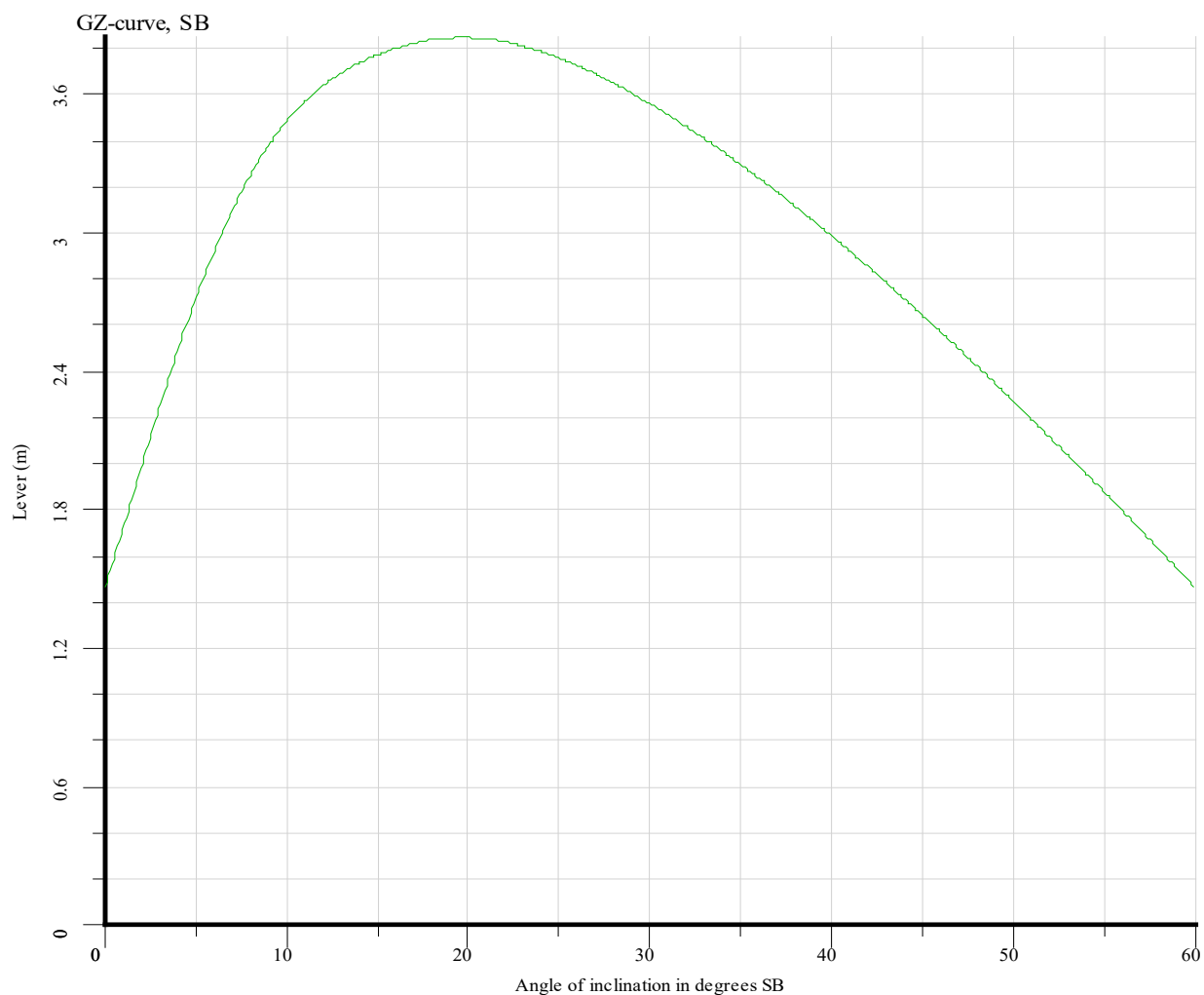


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

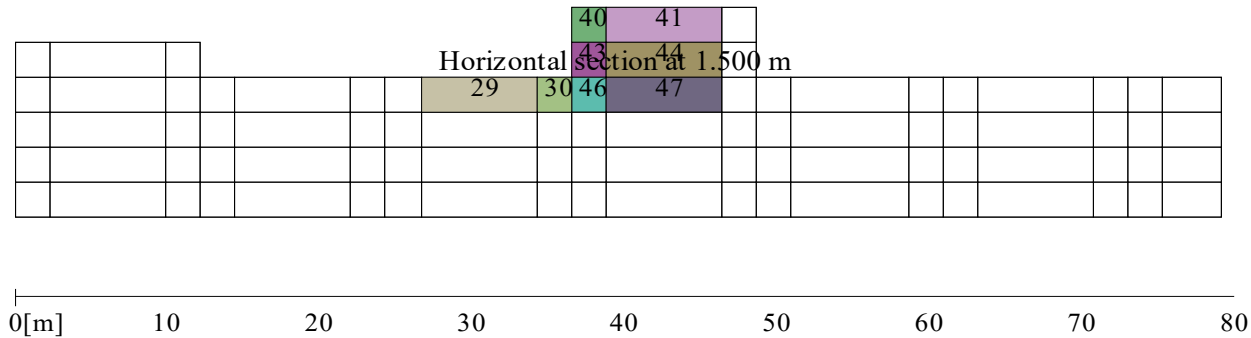


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.263 m
Marginline	mid aft PS	-1.245 m
Marginline	aft PS	-1.020 m
Marginline	fore PS	-0.969 m
Marginline	fore SB	-0.289 m
Marginline	mid fore SB	-0.243 m
Marginline	mid aft SB	-0.225 m
Marginline	aft SB	-0.170 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.263 m
Marginline	mid aft PS	-1.245 m
Marginline	aft PS	-1.020 m
Marginline	fore PS	-0.969 m
Marginline	fore SB	-0.289 m
Marginline	mid fore SB	-0.243 m
Marginline	mid aft SB	-0.225 m
Marginline	aft SB	-0.170 m

Damaged compartments and intact compartment weights (at 4.00° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	14.329	1.0000
10 A A	0.000	1.0000	4.323	1.0000
11 A	0.000	1.0000	11.318	1.0000
11 A A	0.000	1.0000	3.423	1.0000
15	0.000	1.0000	5.276	1.0000
15 A	0.000	1.0000	17.658	1.0000
16	0.000	1.0000	4.373	1.0000
16 A	0.000	1.0000	14.657	1.0000
17	0.000	1.0000	3.466	1.0000
17 A	0.000	1.0000	11.644	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	581.706	-2.980	2.457	-0.452	1.394
50.00	PS	581.657	-1.742	1.692	-0.973	1.269
40.00	PS	581.716	-0.933	1.190	-1.448	1.057
35.00	PS	581.667	-0.615	0.994	-1.658	0.921
30.00	PS	581.682	-0.334	0.820	-1.839	0.768
25.00	PS	581.682	-0.079	0.662	-1.978	0.601
20.00	PS	580.958	0.152	0.523	-2.041	0.425
15.00	PS	576.366	0.350	0.399	-1.955	0.250
10.00	PS	562.301	0.496	0.248	-1.578	0.091
5.00	PS	538.022	0.563	0.135	-0.316	0.003
4.00	PS	532.325	0.569	0.121	0.000	0.000
2.00	PS	520.991	0.581	0.095	0.640	0.011
0.00		509.737	0.592	0.068	1.272	0.045
2.00	SB	498.363	0.604	0.042	1.903	0.100
5.00	SB	480.770	0.616	0.000	2.774	0.223
10.00	SB	459.262	0.570	-0.005	3.553	0.505
15.00	SB	448.584	0.435	0.004	3.805	0.828
20.00	SB	443.460	0.244	0.010	3.853	1.164
25.00	SB	441.946	0.029	0.015	3.756	1.497
30.00	SB	441.930	-0.200	0.018	3.558	1.816
35.00	SB	441.930	-0.453	0.022	3.294	2.116
40.00	SB	441.931	-0.739	0.027	2.985	2.390
50.00	SB	441.932	-1.465	0.038	2.268	2.850
60.00	SB	441.934	-2.579	0.054	1.462	3.176

Statical angle of inclination is 4.00 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

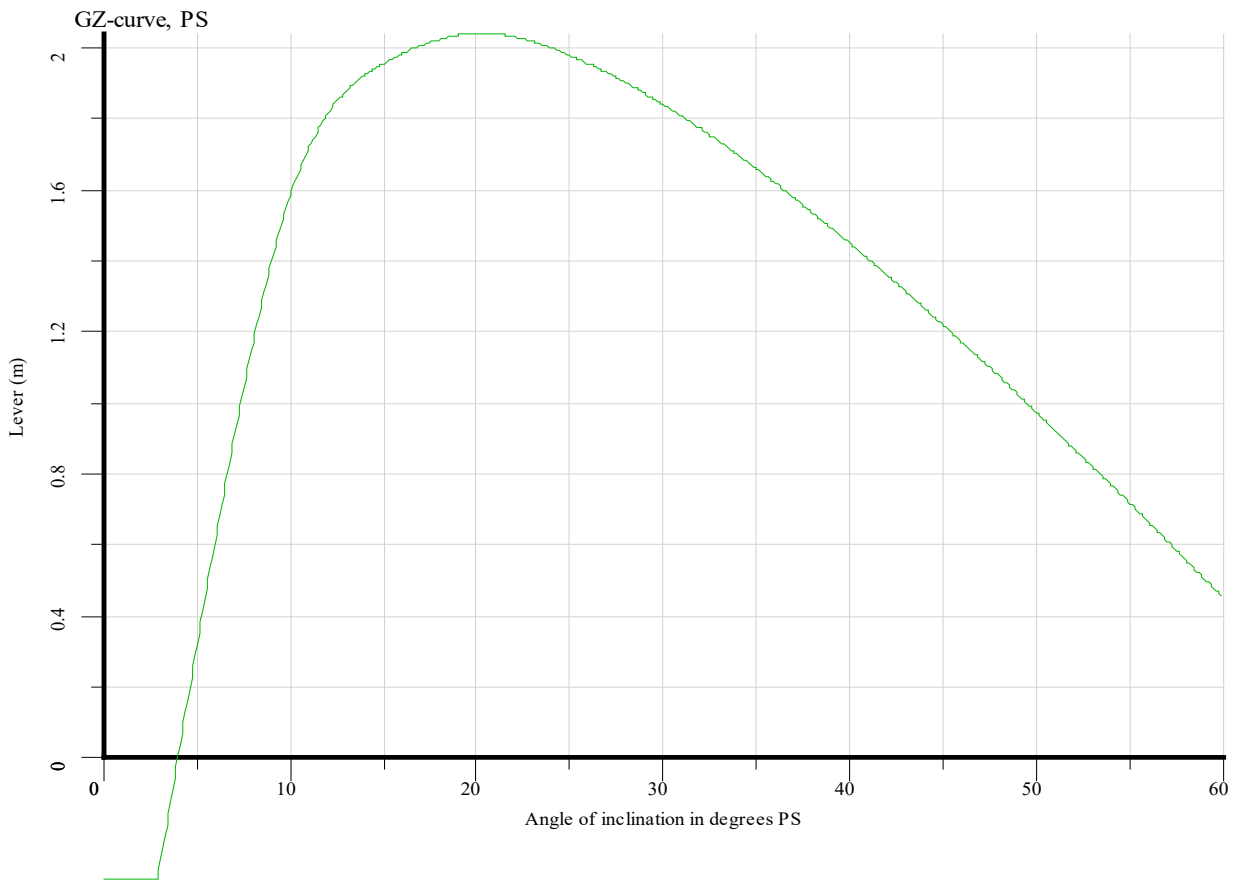
19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2 L PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6974	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7296	meter
This damage case complies with the stated criteria				

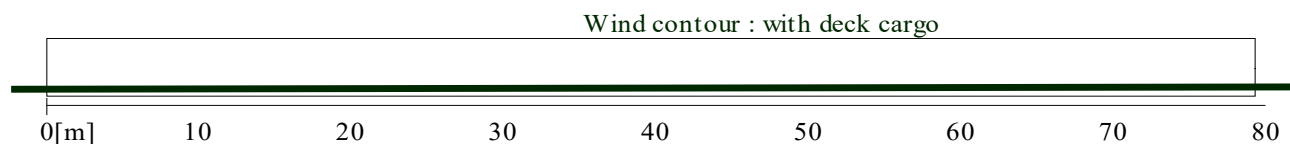
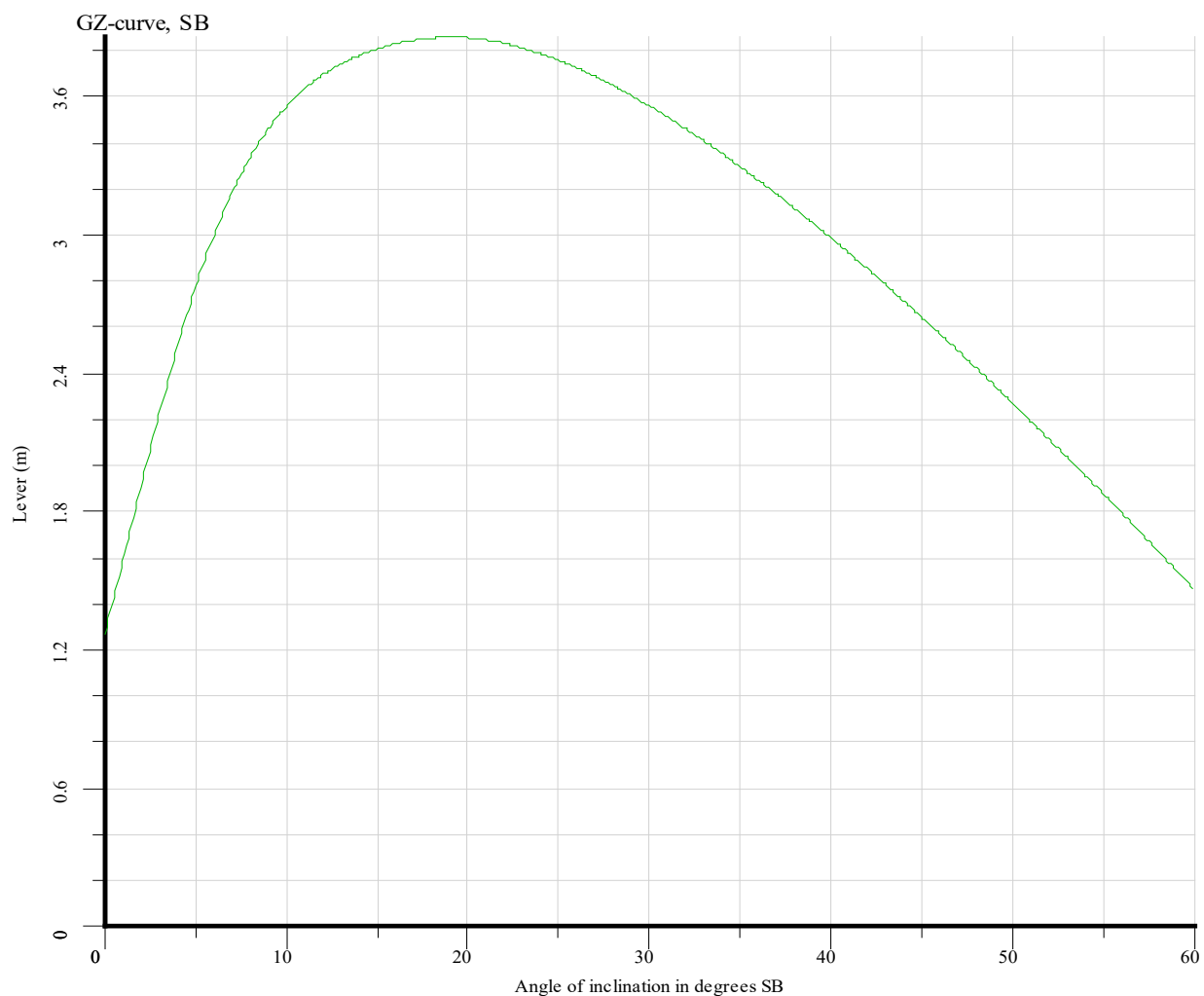


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

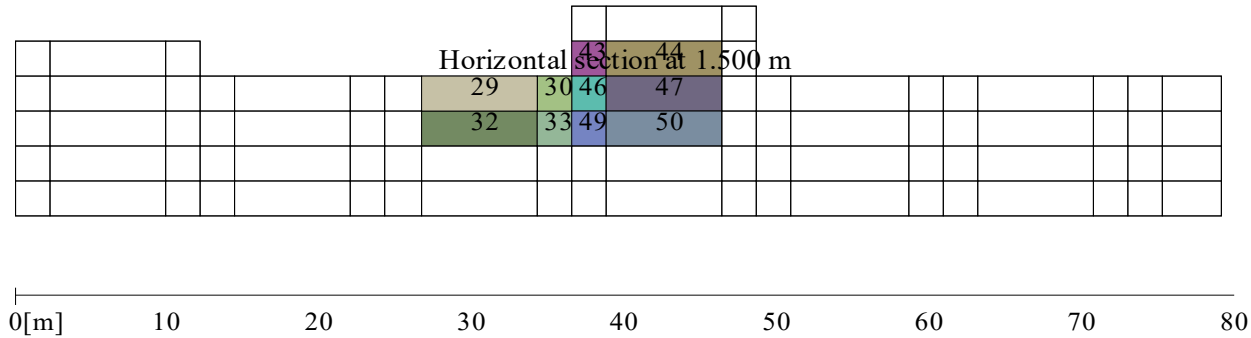


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 3

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.599 m
Marginline	mid aft PS	-1.551 m
Marginline	fore PS	-1.216 m
Marginline	aft PS	-1.159 m
Marginline	fore SB	-0.213 m
Marginline	mid fore SB	-0.094 m
Marginline	mid aft SB	-0.047 m
Marginline	aft SB	0.095 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.599 m
Marginline	mid aft PS	-1.551 m
Marginline	fore PS	-1.216 m
Marginline	aft PS	-1.159 m
Marginline	fore SB	-0.213 m
Marginline	mid fore SB	-0.094 m
Marginline	mid aft SB	-0.047 m
Marginline	aft SB	0.095 m

Damaged compartments and intact compartment weights (at 5.90° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	25.618	1.0000
14 A A	0.000	1.0000	7.749	1.0000
15 A	0.000	1.0000	21.308	1.0000
15 A A	0.000	1.0000	6.474	1.0000
16 A	0.000	1.0000	16.841	1.0000
16 A A	0.000	1.0000	5.136	1.0000
20	0.000	1.0000	5.218	1.0000
20 A	0.000	1.0000	17.670	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	623.231	-2.522	4.781	-0.071	0.789
50.00	PS	622.791	-1.430	3.288	-0.481	0.741
40.00	PS	621.272	-0.722	2.308	-0.858	0.624
35.00	PS	619.710	-0.445	1.918	-1.024	0.541
30.00	PS	617.337	-0.202	1.570	-1.164	0.446
25.00	PS	613.732	0.016	1.255	-1.263	0.339
20.00	PS	607.953	0.214	0.971	-1.290	0.227
15.00	PS	597.956	0.388	0.720	-1.173	0.118
10.00	PS	579.652	0.521	0.478	-0.775	0.030
5.90	PS	547.105	0.559	0.314	0.000	0.000
5.00	PS	539.938	0.567	0.277	0.215	0.002
2.00	PS	513.550	0.573	0.205	0.980	0.033
0.00		496.067	0.577	0.157	1.487	0.076
2.00	SB	478.494	0.581	0.109	1.991	0.137
5.00	SB	455.705	0.585	0.038	2.720	0.260
10.00	SB	442.634	0.544	0.010	3.480	0.535
15.00	SB	441.930	0.422	0.010	3.771	0.854
20.00	SB	441.932	0.240	0.012	3.845	1.188
25.00	SB	441.929	0.029	0.015	3.756	1.520
30.00	SB	441.927	-0.200	0.018	3.558	1.840
35.00	SB	441.927	-0.453	0.022	3.294	2.139
40.00	SB	441.940	-0.739	0.027	2.985	2.413
50.00	SB	441.950	-1.465	0.037	2.268	2.874
60.00	SB	441.967	-2.578	0.053	1.462	3.200

Statical angle of inclination is 5.90 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

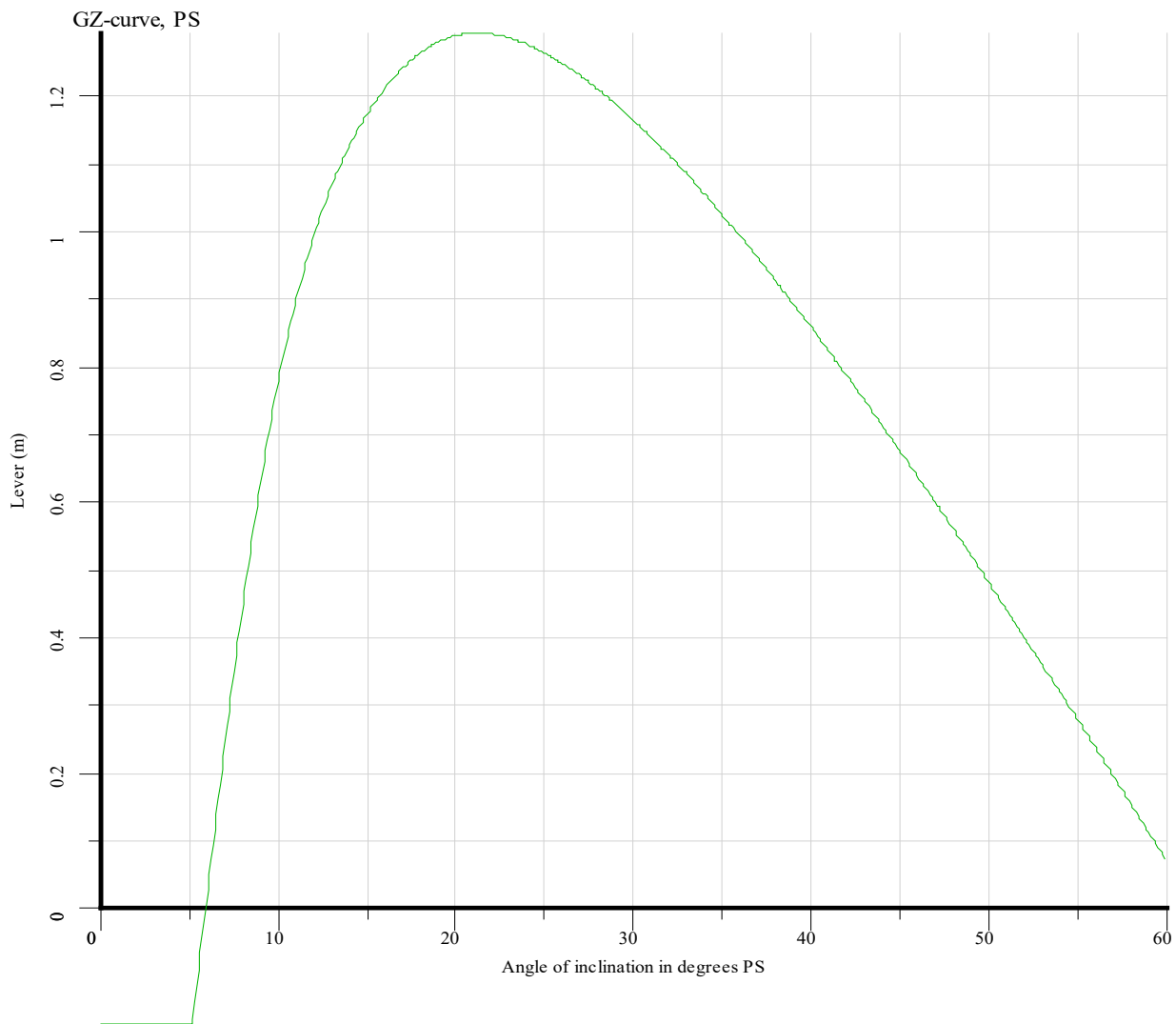
19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3499	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3952	meter
This damage case complies with the stated criteria				

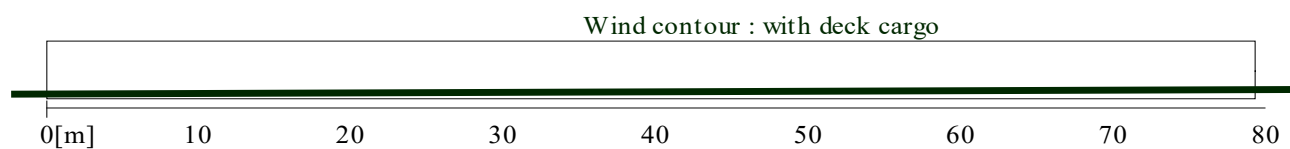
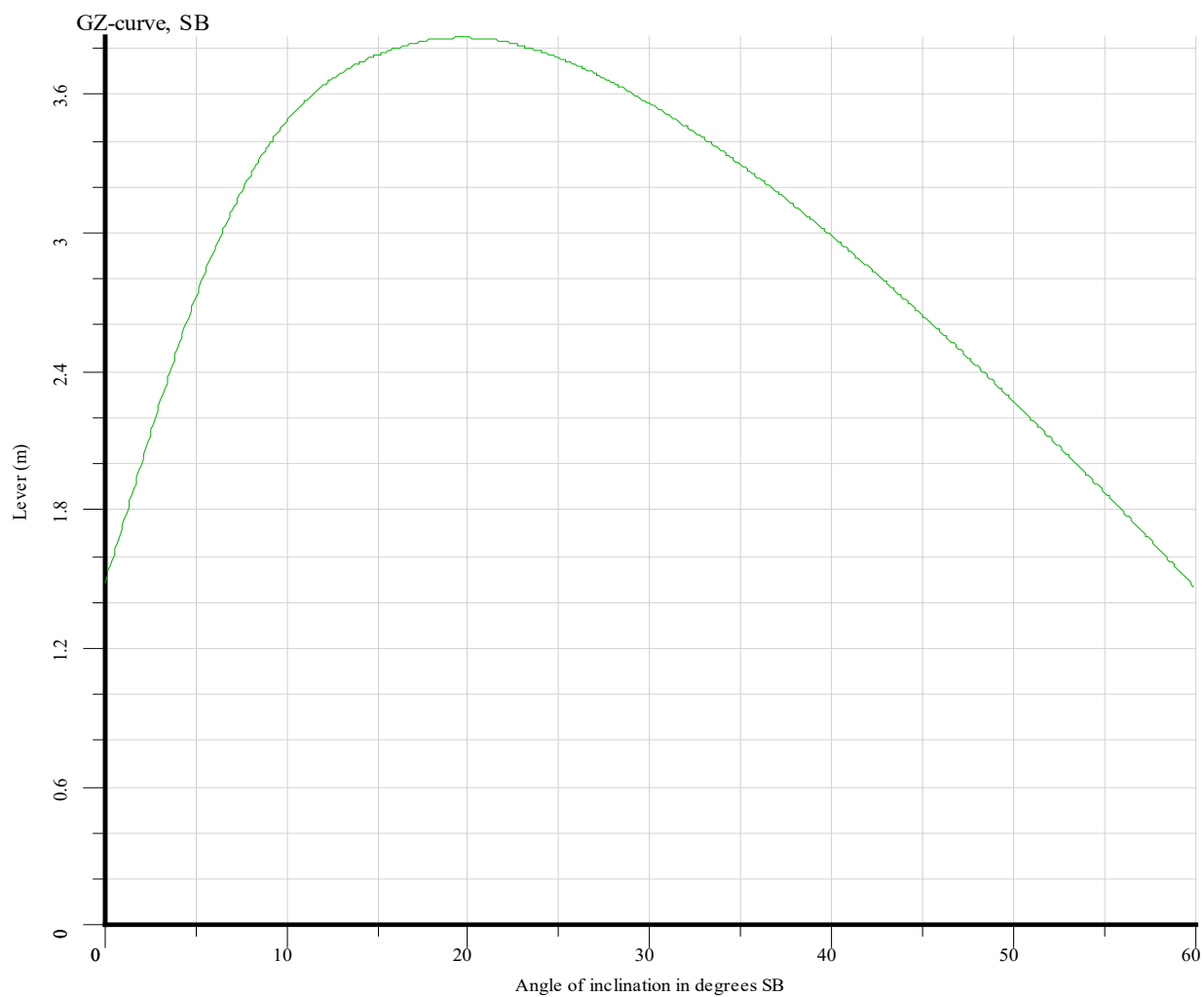


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



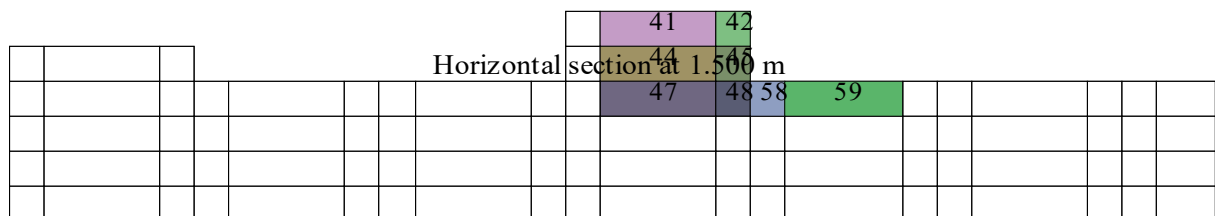
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 3
 Stage of flooding 100%
 Intact displacement 441.930 ton
 Intact VCG 2.149 m
 Intact LCG 39.699 m
 Intact TCG -0.656 m



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FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.310 m
Marginline	mid aft PS	-1.266 m
Marginline	fore PS	-1.070 m
Marginline	aft PS	-0.959 m
Marginline	fore SB	-0.368 m
Marginline	mid fore SB	-0.258 m
Marginline	mid aft SB	-0.215 m
Marginline	aft SB	-0.083 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.310 m
Marginline	mid aft PS	-1.266 m
Marginline	fore PS	-1.070 m
Marginline	aft PS	-0.959 m
Marginline	fore SB	-0.368 m
Marginline	mid fore SB	-0.258 m
Marginline	mid aft SB	-0.215 m
Marginline	aft SB	-0.083 m

Damaged compartments and intact compartment weights (at 4.12° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	18.122	1.0000
15 A A	0.000	1.0000	5.512	1.0000
16 A	0.000	1.0000	15.031	1.0000
16 A A	0.000	1.0000	4.589	1.0000
17 A	0.000	1.0000	11.924	1.0000
17 A A	0.000	1.0000	3.660	1.0000
20	0.000	1.0000	4.665	1.0000
20 A	0.000	1.0000	15.814	1.0000
21	0.000	1.0000	3.730	1.0000
21 A	0.000	1.0000	12.708	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	600.134	-2.777	4.874	-0.412	1.330
50.00	PS	600.126	-1.602	3.353	-0.921	1.214
40.00	PS	600.126	-0.835	2.361	-1.387	1.011
35.00	PS	600.126	-0.533	1.970	-1.593	0.881
30.00	PS	600.092	-0.266	1.624	-1.770	0.734
25.00	PS	599.413	-0.027	1.309	-1.904	0.573
20.00	PS	596.240	0.185	1.022	-1.962	0.404
15.00	PS	588.064	0.369	0.763	-1.870	0.236
10.00	PS	570.226	0.507	0.513	-1.490	0.084
5.00	PS	542.955	0.571	0.311	-0.272	0.002
4.12	PS	537.648	0.576	0.291	0.000	0.000
2.00	PS	524.846	0.587	0.244	0.675	0.012
0.00		512.851	0.597	0.200	1.302	0.047
2.00	SB	500.788	0.608	0.155	1.928	0.103
5.00	SB	482.061	0.618	0.086	2.791	0.228
10.00	SB	459.608	0.570	0.046	3.554	0.510
15.00	SB	448.694	0.435	0.028	3.806	0.834
20.00	SB	443.490	0.244	0.017	3.854	1.169
25.00	SB	441.948	0.029	0.015	3.756	1.502
30.00	SB	441.930	-0.200	0.018	3.558	1.822
35.00	SB	441.930	-0.453	0.022	3.294	2.121
40.00	SB	441.934	-0.739	0.027	2.985	2.395
50.00	SB	441.926	-1.465	0.038	2.268	2.855
60.00	SB	441.935	-2.579	0.055	1.462	3.182

Statical angle of inclination is 4.12 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

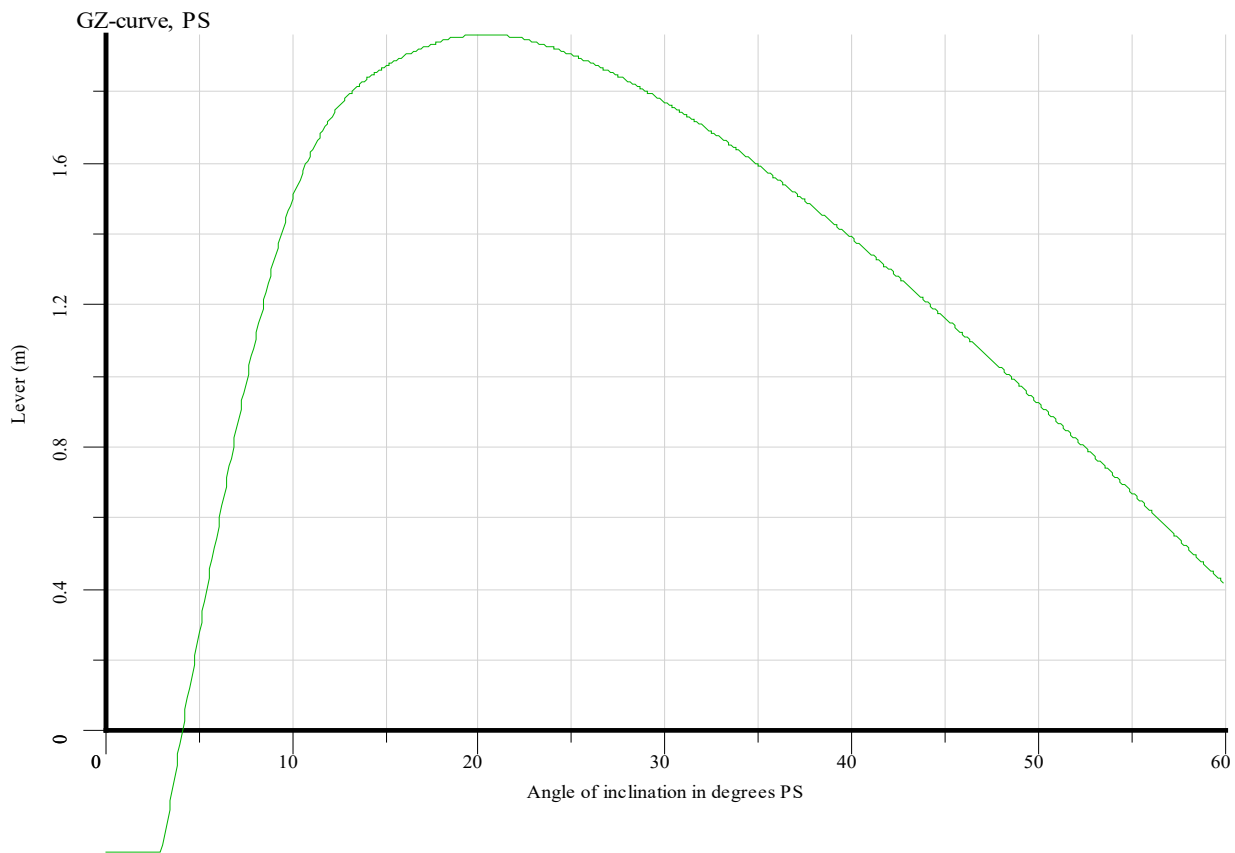
19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6499	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6827	meter
This damage case complies with the stated criteria				

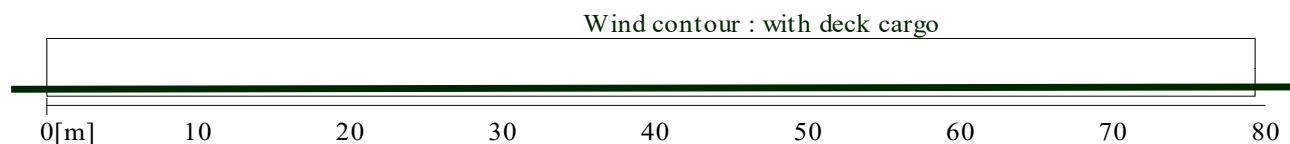
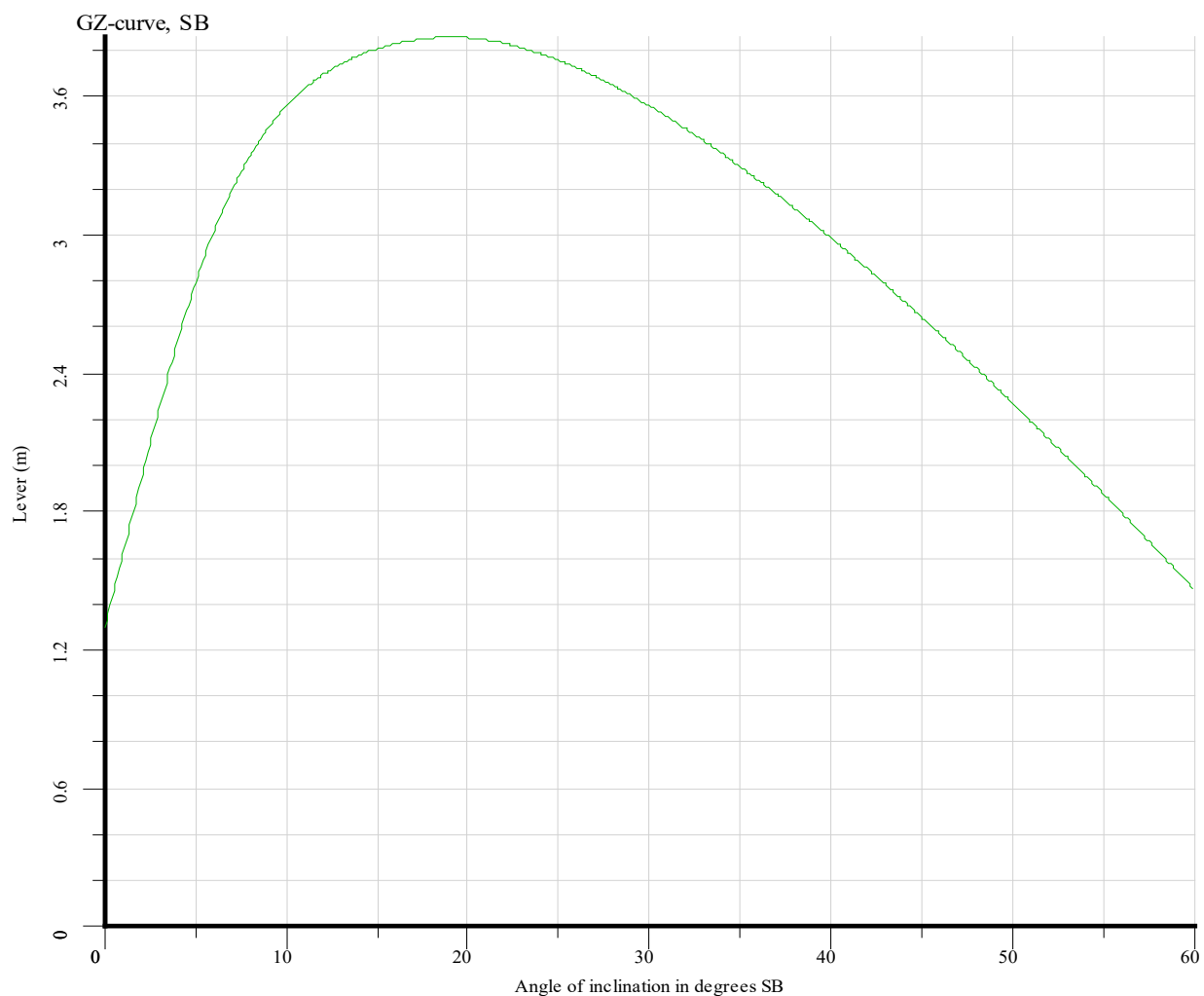


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:27

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

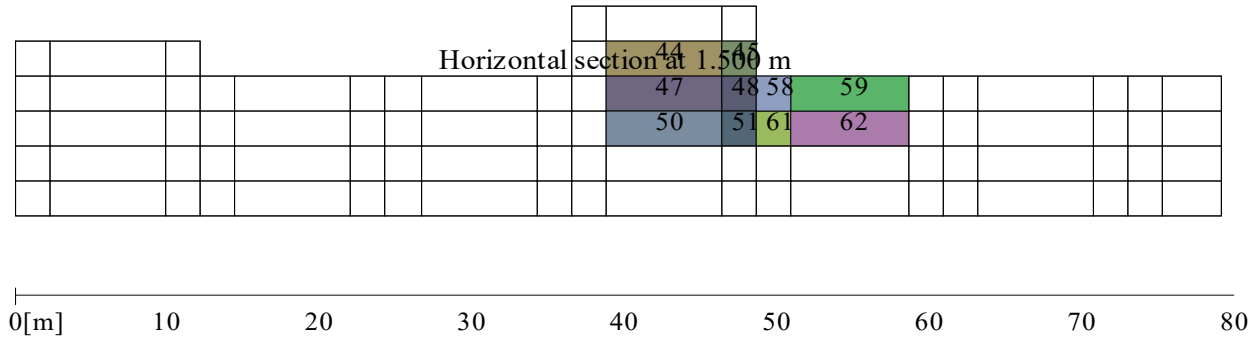


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.263 m
Marginline	mid fore PS	-1.238 m
Marginline	mid aft PS	-1.121 m
Marginline	fore SB	-0.723 m
Marginline	aft PS	-0.634 m
Marginline	mid fore SB	-0.429 m
Marginline	mid aft SB	-0.311 m
Marginline	aft SB	0.041 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.263 m
Marginline	mid fore PS	-1.238 m
Marginline	mid aft PS	-1.121 m
Marginline	fore SB	-0.723 m
Marginline	aft PS	-0.634 m
Marginline	mid fore SB	-0.429 m
Marginline	mid aft SB	-0.311 m
Marginline	aft SB	0.041 m

Damaged compartments and intact compartment weights (at 3.17° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	19.061	1.0000
24 A A	0.000	1.0000	5.951	1.0000
25 A	0.000	1.0000	16.674	1.0000
25 A A	0.000	1.0000	5.239	1.0000
26 A	0.000	1.0000	14.290	1.0000
26 A A	0.000	1.0000	4.527	1.0000
28	0.000	1.0000	6.110	1.0000
28 A	0.000	1.0000	10.384	1.0000
29	0.000	1.0000	5.394	1.0000
29 A	0.000	1.0000	9.202	1.0000
30	0.000	1.0000	4.677	1.0000
30 A	0.000	1.0000	8.013	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	601.894	-2.757	11.302	-0.499	1.492
50.00	PS	601.927	-1.589	7.781	-1.033	1.358
40.00	PS	602.051	-0.828	5.493	-1.521	1.134
35.00	PS	602.176	-0.530	4.597	-1.736	0.992
30.00	PS	602.209	-0.267	3.806	-1.923	0.832
25.00	PS	601.594	-0.034	3.086	-2.068	0.657
20.00	PS	599.175	0.172	2.422	-2.145	0.473
15.00	PS	592.759	0.350	1.815	-2.090	0.287
10.00	PS	576.576	0.493	1.261	-1.720	0.116
5.00	PS	556.992	0.590	0.847	-0.590	0.010
3.17	PS	551.687	0.608	0.780	0.000	0.000
2.00	PS	548.293	0.620	0.738	0.401	0.004
0.00		543.005	0.638	0.680	1.083	0.030
2.00	SB	537.717	0.656	0.622	1.764	0.080
5.00	SB	530.004	0.679	0.552	2.722	0.198
10.00	SB	511.996	0.642	0.508	3.551	0.478
15.00	SB	494.505	0.517	0.480	3.857	0.804
20.00	SB	483.812	0.337	0.481	3.908	1.144
25.00	SB	477.811	0.136	0.529	3.797	1.481
30.00	SB	473.970	-0.082	0.587	3.588	1.804
35.00	SB	471.418	-0.321	0.657	3.317	2.106
40.00	SB	469.770	-0.590	0.745	3.003	2.382
50.00	SB	468.679	-1.262	1.018	2.280	2.844
60.00	SB	468.691	-2.283	1.479	1.469	3.172

Statical angle of inclination is 3.17 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

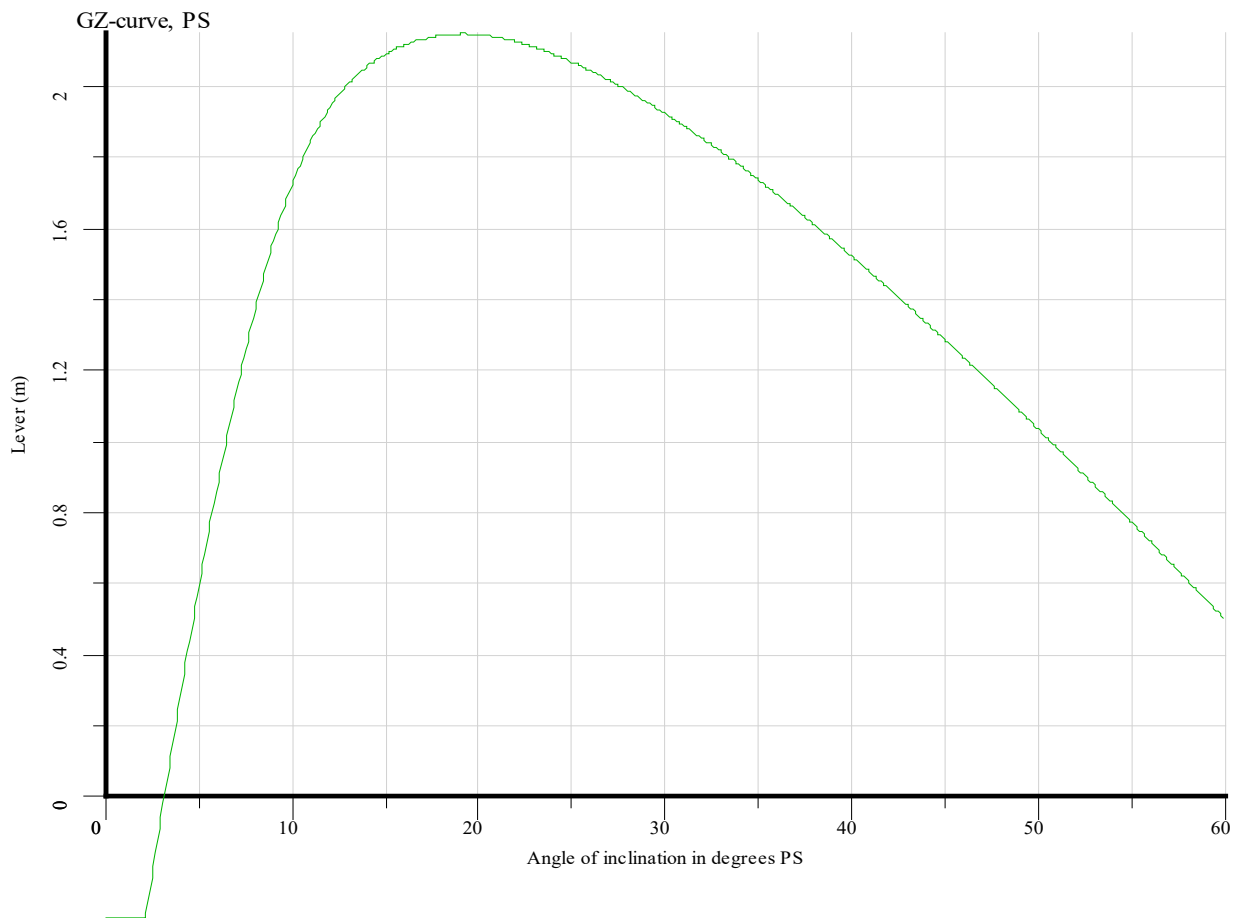
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7070	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7234	meter
This damage case complies with the stated criteria				

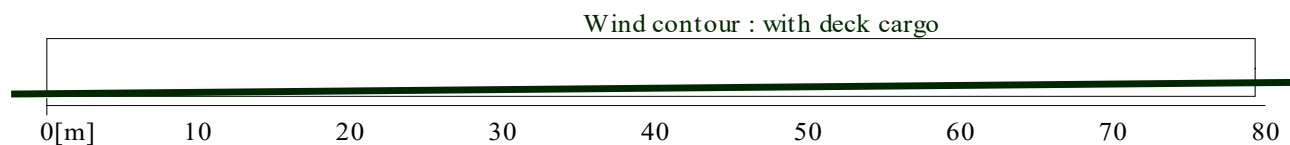
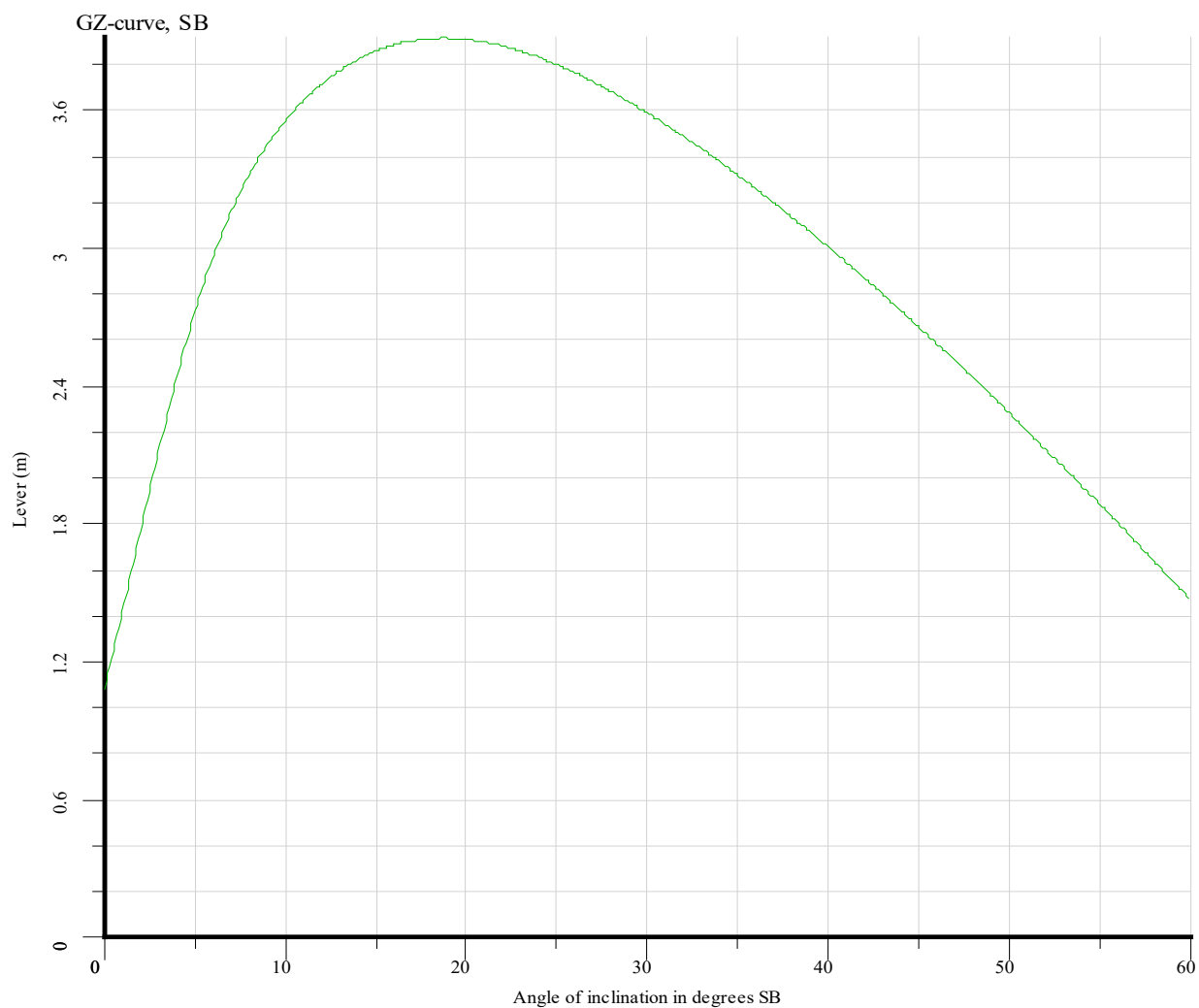


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

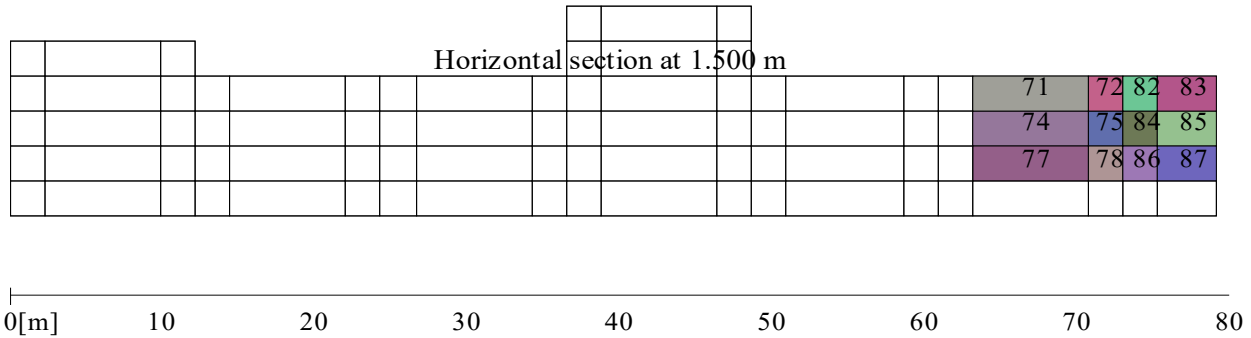


pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.183 m
Marginline	mid aft PS	-1.104 m
Marginline	fore PS	-1.097 m
Marginline	aft PS	-0.727 m
Marginline	fore SB	-0.530 m
Marginline	mid fore SB	-0.333 m
Marginline	mid aft SB	-0.254 m
Marginline	aft SB	-0.018 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.183 m
Marginline	mid aft PS	-1.104 m
Marginline	fore PS	-1.097 m
Marginline	aft PS	-0.727 m
Marginline	fore SB	-0.530 m
Marginline	mid fore SB	-0.333 m
Marginline	mid aft SB	-0.254 m
Marginline	aft SB	-0.018 m

Damaged compartments and intact compartment weights (at 3.33° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	16.758	1.0000
24 A A	0.000	1.0000	5.181	1.0000
25 A	0.000	1.0000	14.245	1.0000
25 A A	0.000	1.0000	4.430	1.0000
28	0.000	1.0000	5.296	1.0000
28 A	0.000	1.0000	8.953	1.0000
29	0.000	1.0000	4.541	1.0000
29 A	0.000	1.0000	7.702	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	584.126	-2.953	10.307	-0.495	1.475
50.00	PS	582.262	-1.738	7.028	-1.027	1.341
40.00	PS	579.178	-0.949	4.879	-1.511	1.119
35.00	PS	576.950	-0.641	4.033	-1.723	0.978
30.00	PS	573.995	-0.370	3.287	-1.907	0.819
25.00	PS	569.884	-0.127	2.617	-2.047	0.646
20.00	PS	563.709	0.092	2.009	-2.117	0.464
15.00	PS	553.692	0.286	1.471	-2.055	0.280
10.00	PS	535.636	0.443	0.980	-1.699	0.112
5.00	PS	515.253	0.541	0.590	-0.550	0.008
3.33	PS	509.131	0.555	0.527	0.000	0.000
2.00	PS	504.250	0.566	0.476	0.465	0.005
0.00		497.025	0.582	0.408	1.150	0.034
2.00	SB	489.892	0.597	0.339	1.834	0.086
5.00	SB	478.708	0.615	0.237	2.778	0.208
10.00	SB	458.538	0.568	0.132	3.550	0.490
15.00	SB	447.935	0.434	0.066	3.802	0.813
20.00	SB	443.265	0.243	0.026	3.852	1.148
25.00	SB	441.950	0.029	0.015	3.756	1.481
30.00	SB	441.930	-0.200	0.018	3.558	1.801
35.00	SB	441.930	-0.453	0.022	3.294	2.100
40.00	SB	441.937	-0.739	0.027	2.985	2.374
50.00	SB	441.925	-1.465	0.039	2.268	2.834
60.00	SB	441.930	-2.579	0.055	1.462	3.161

Statical angle of inclination is 3.33 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

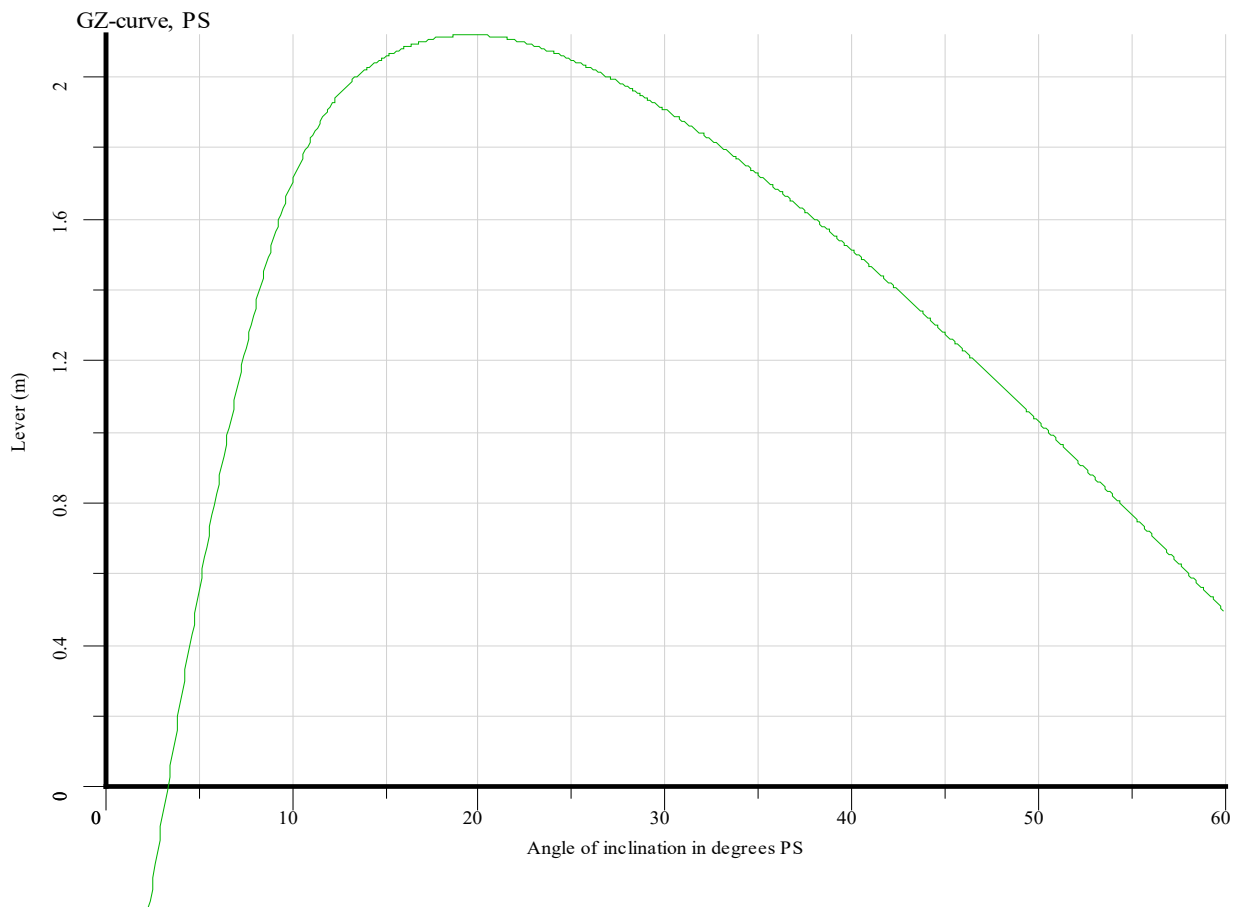
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Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7799	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8098	meter
This damage case complies with the stated criteria				

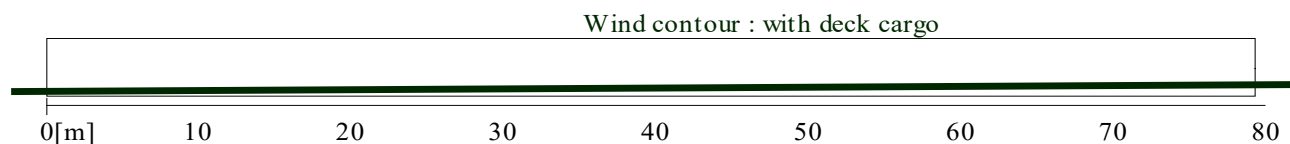
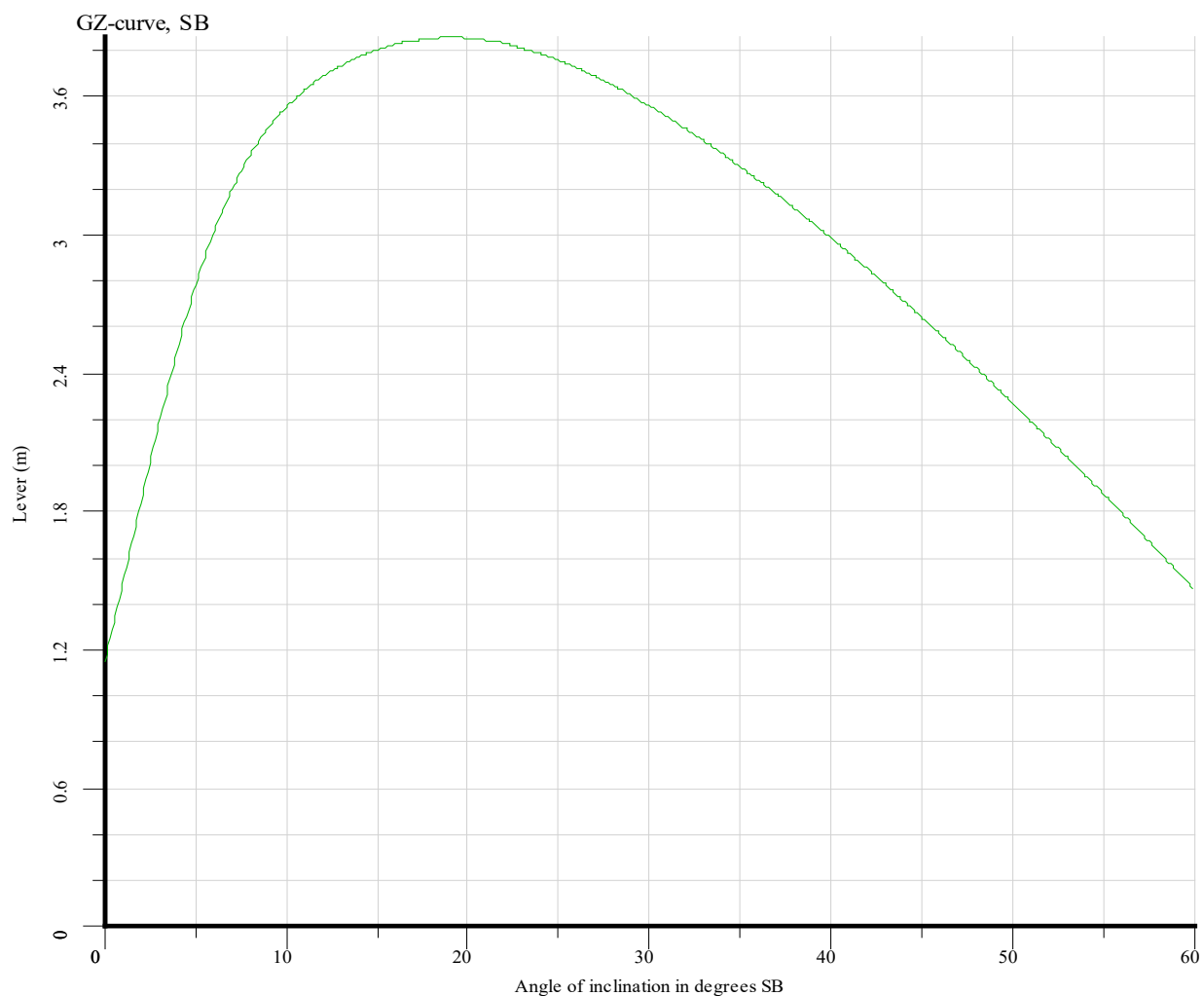


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

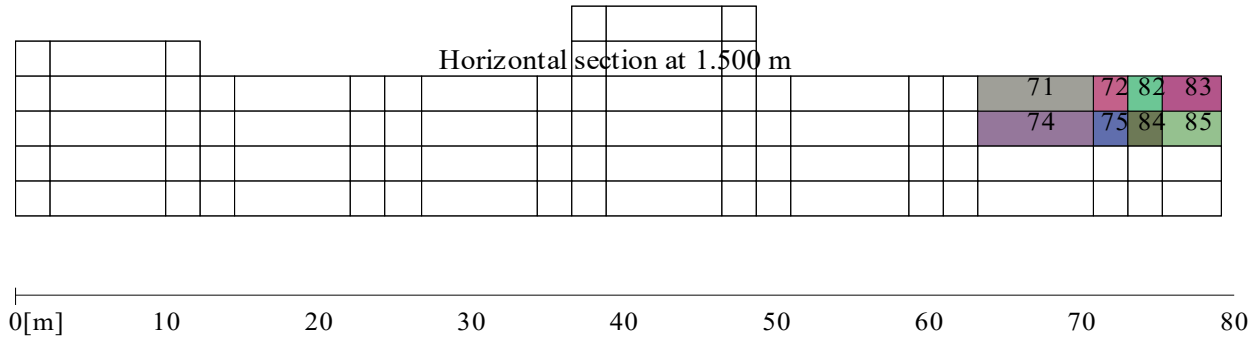


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 3

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.072 m
Marginline	mid fore PS	-0.958 m
Marginline	mid aft PS	-0.857 m
Marginline	fore SB	-0.796 m
Marginline	mid fore SB	-0.545 m
Marginline	aft PS	-0.487 m
Marginline	mid aft SB	-0.444 m
Marginline	aft SB	-0.143 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-1.072 m
Marginline	mid fore PS	-0.958 m
Marginline	mid aft PS	-0.857 m
Marginline	fore SB	-0.796 m
Marginline	mid fore SB	-0.545 m
Marginline	aft PS	-0.487 m
Marginline	mid aft SB	-0.444 m
Marginline	aft SB	-0.143 m

Damaged compartments and intact compartment weights (at 1.62° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	15.314	1.0000
25 A A	0.000	1.0000	4.793	1.0000
26 A	0.000	1.0000	14.098	1.0000
26 A A	0.000	1.0000	4.429	1.0000
27 A	0.000	1.0000	12.882	1.0000
27 A A	0.000	1.0000	4.065	1.0000
29	0.000	1.0000	4.926	1.0000
29 A	0.000	1.0000	8.385	1.0000
30	0.000	1.0000	4.560	1.0000
30 A	0.000	1.0000	7.779	1.0000
31	0.000	1.0000	4.194	1.0000
31 A	0.000	1.0000	7.171	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 3
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	445.854	-4.480	2.975	-0.704	1.837
50.00	PS	448.501	-2.753	2.144	-1.296	1.662
40.00	PS	452.184	-1.626	1.605	-1.830	1.388
35.00	PS	454.694	-1.183	1.396	-2.064	1.218
30.00	PS	457.959	-0.792	1.219	-2.267	1.029
25.00	PS	462.396	-0.444	1.068	-2.426	0.823
20.00	PS	468.735	-0.128	0.935	-2.514	0.607
15.00	PS	477.917	0.153	0.800	-2.476	0.388
10.00	PS	493.141	0.387	0.683	-2.175	0.182
5.00	PS	517.158	0.543	0.603	-1.094	0.033
2.00	PS	532.539	0.601	0.644	-0.127	0.000
1.62	PS	534.533	0.608	0.651	0.000	0.000
0.00		543.005	0.638	0.680	0.526	0.007
2.00	SB	553.471	0.676	0.715	1.178	0.037
5.00	SB	570.181	0.727	0.801	2.088	0.124
10.00	SB	596.204	0.747	1.074	2.916	0.347
15.00	SB	611.937	0.708	1.502	3.289	0.620
20.00	SB	620.637	0.646	2.050	3.351	0.912
25.00	SB	625.922	0.573	2.667	3.250	1.201
30.00	SB	629.377	0.489	3.348	3.061	1.477
35.00	SB	631.655	0.394	4.105	2.818	1.734
40.00	SB	633.163	0.284	4.959	2.536	1.967
50.00	SB	634.868	0.000	7.109	1.888	2.355
60.00	SB	635.602	-0.441	10.374	1.164	2.622

Statical angle of inclination is 1.62 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

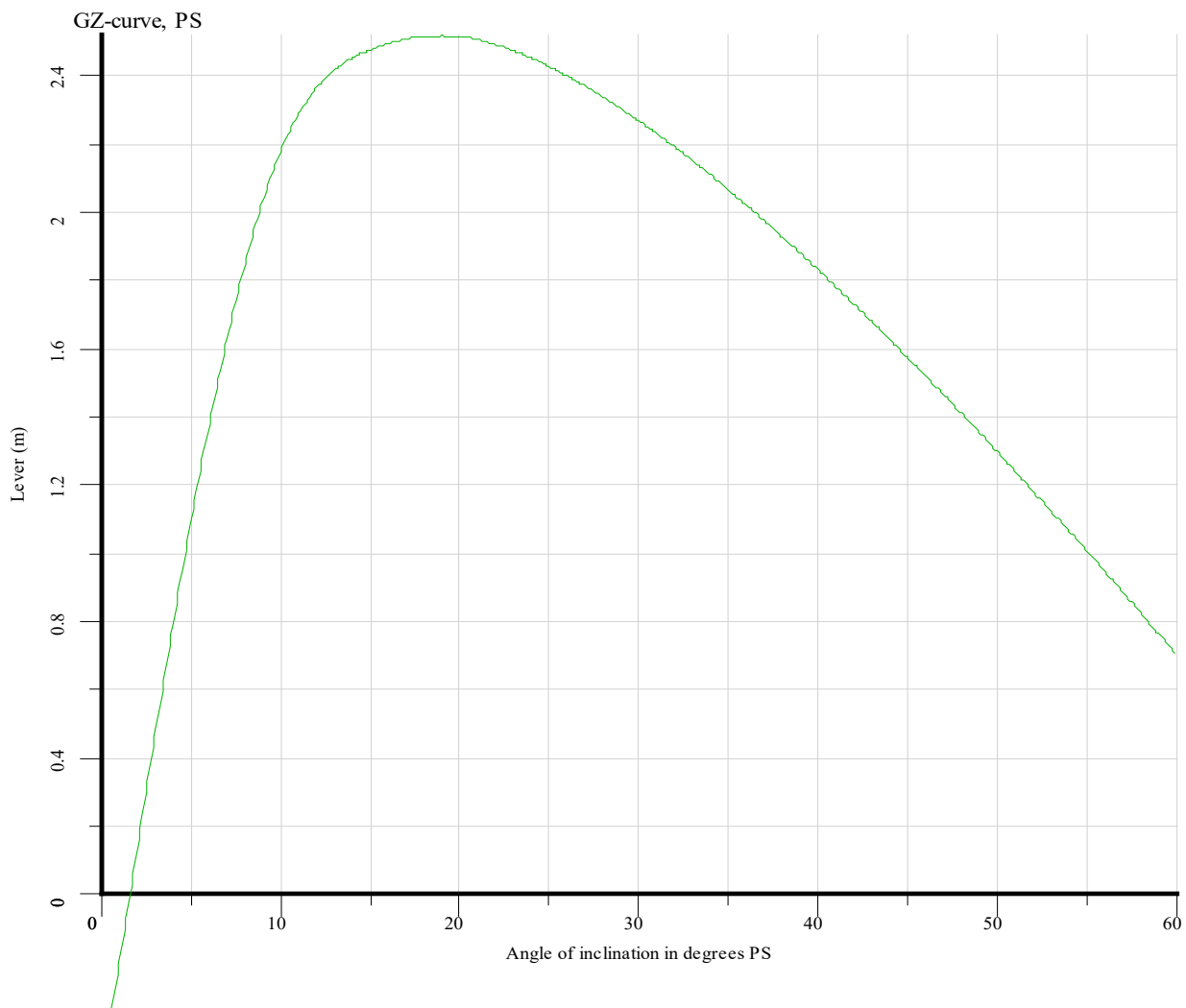
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9029	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9133	meter
This damage case complies with the stated criteria				

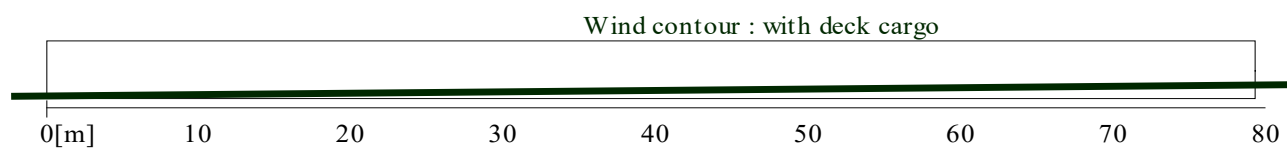
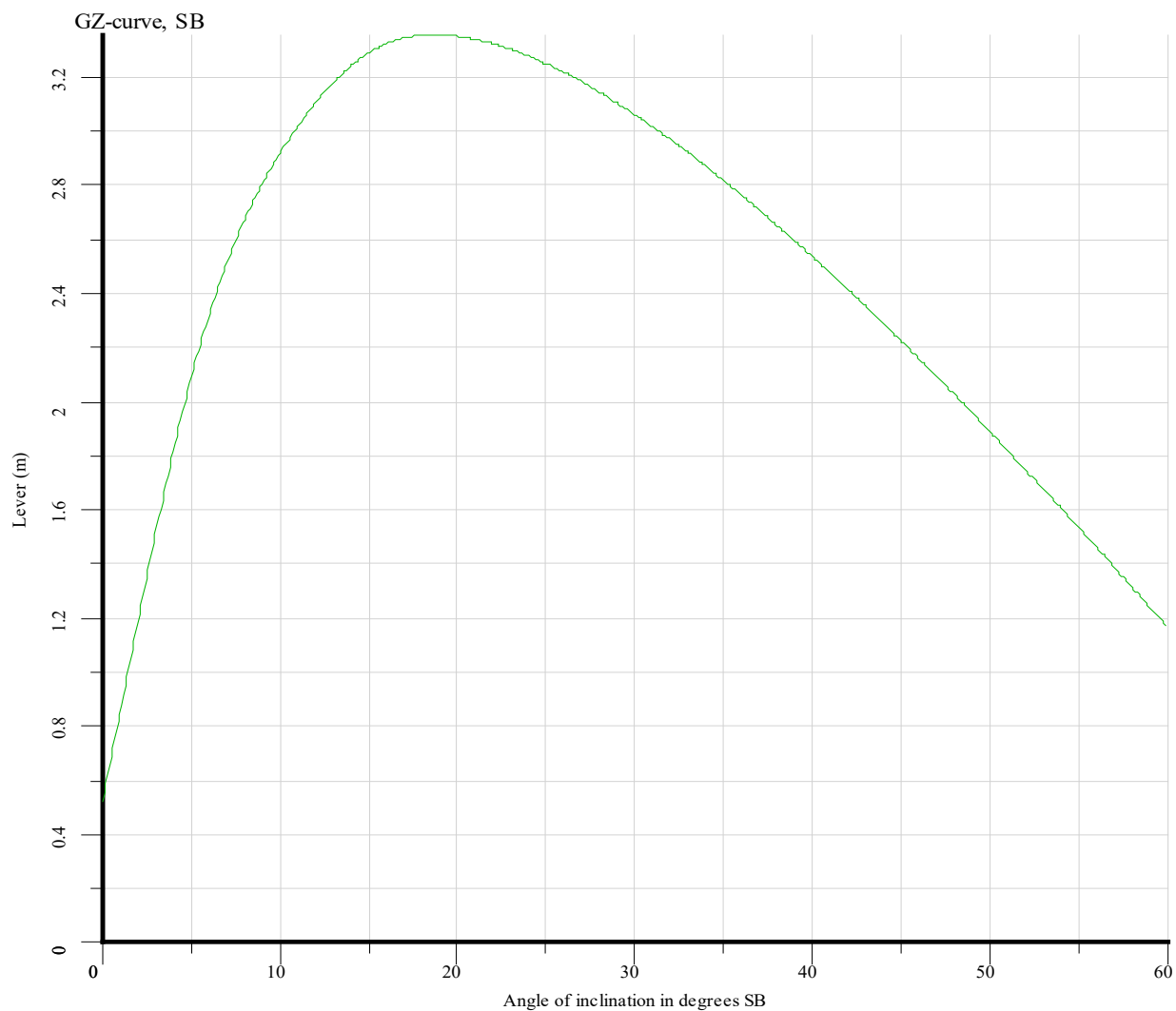


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

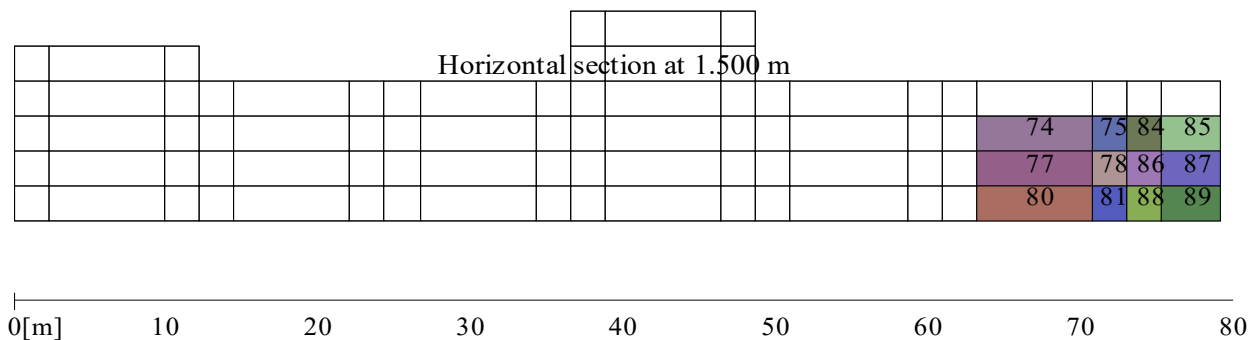
Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	fore PS	-0.883 m
Marginline	mid fore PS	-0.878 m
Marginline	mid aft PS	-0.819 m
Marginline	fore SB	-0.599 m
Marginline	aft PS	-0.572 m
Marginline	mid fore SB	-0.452 m
Marginline	mid aft SB	-0.393 m
Marginline	aft SB	-0.217 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	fore PS	-0.883 m
Marginline	mid fore PS	-0.878 m
Marginline	mid aft PS	-0.819 m
Marginline	fore SB	-0.599 m
Marginline	aft PS	-0.572 m
Marginline	mid fore SB	-0.452 m
Marginline	mid aft SB	-0.393 m
Marginline	aft SB	-0.217 m

Damaged compartments and intact compartment weights (at 1.67° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	11.413	1.0000
26 A A	0.000	1.0000	3.537	1.0000
27 A	0.000	1.0000	10.170	1.0000
27 A A	0.000	1.0000	3.165	1.0000
30	0.000	1.0000	3.621	1.0000
30 A	0.000	1.0000	6.130	1.0000
31	0.000	1.0000	3.246	1.0000
31 A	0.000	1.0000	5.507	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	441.900	-4.524	2.758	-0.698	1.810
50.00	PS	441.930	-2.803	1.897	-1.286	1.636
40.00	PS	441.933	-1.681	1.335	-1.813	1.365
35.00	PS	441.930	-1.239	1.116	-2.042	1.196
30.00	PS	441.931	-0.851	0.929	-2.237	1.009
25.00	PS	441.939	-0.505	0.770	-2.385	0.807
20.00	PS	442.017	-0.194	0.620	-2.460	0.595
15.00	PS	444.053	0.085	0.470	-2.421	0.381
10.00	PS	451.511	0.325	0.365	-2.126	0.179
5.00	PS	472.059	0.489	0.329	-1.092	0.032
2.00	PS	487.063	0.545	0.375	-0.112	0.000
1.67	PS	488.705	0.551	0.380	0.000	0.000
0.00		497.027	0.582	0.408	0.542	0.008
2.00	SB	507.079	0.618	0.440	1.195	0.038
5.00	SB	522.202	0.669	0.503	2.110	0.126
10.00	SB	546.387	0.686	0.736	2.921	0.351
15.00	SB	564.832	0.632	1.085	3.289	0.624
20.00	SB	573.818	0.542	1.502	3.356	0.916
25.00	SB	579.162	0.436	1.978	3.257	1.205
30.00	SB	582.586	0.318	2.504	3.070	1.482
35.00	SB	584.841	0.185	3.083	2.827	1.739
40.00	SB	586.324	0.033	3.732	2.545	1.974
50.00	SB	587.846	-0.357	5.351	1.896	2.363
60.00	SB	588.435	-0.961	7.802	1.172	2.631

Statical angle of inclination is 1.67 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

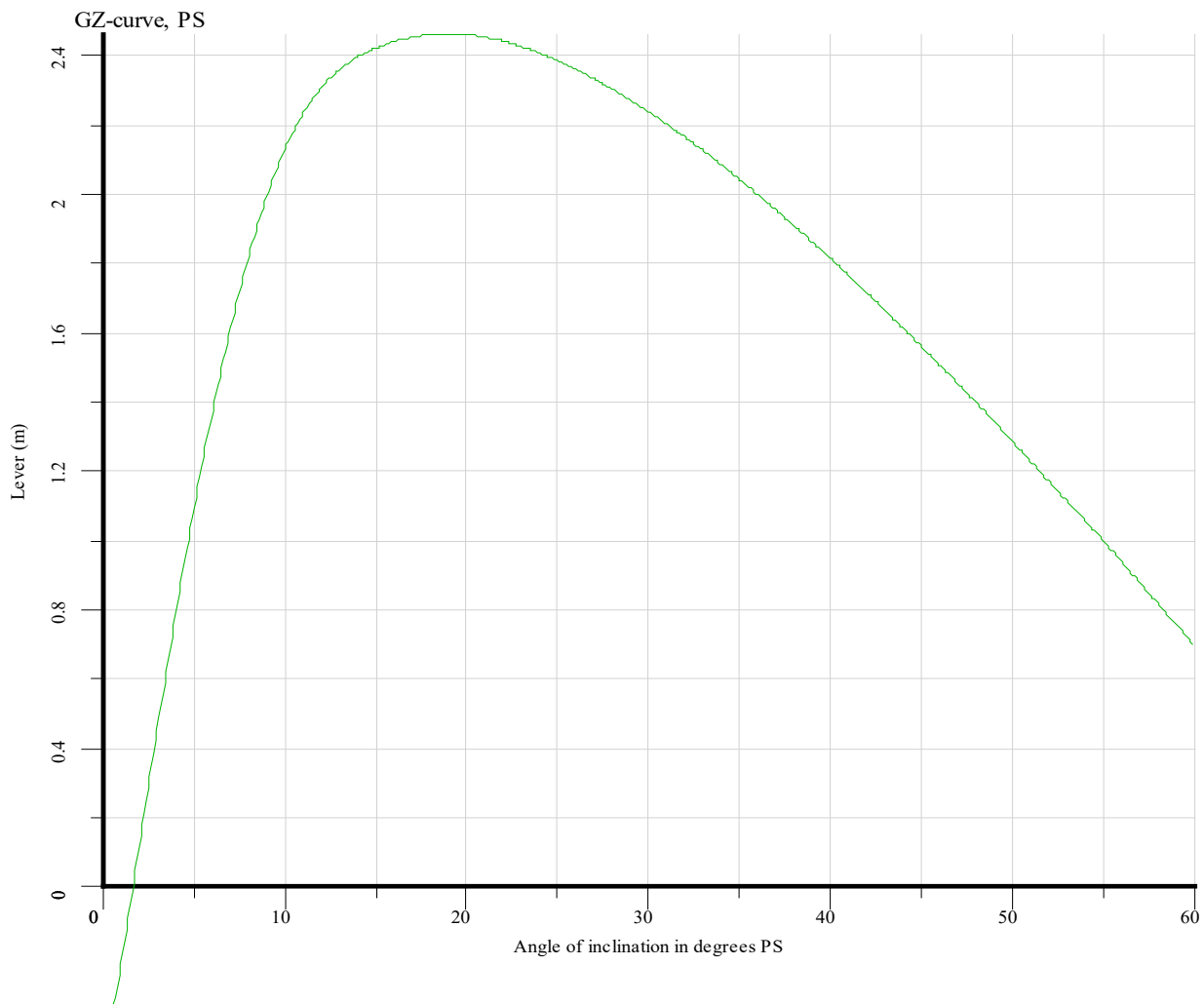
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

<u>Criteria calculated to PS</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0877	meter
<u>Criteria calculated to SB</u>		<u>Criterion</u>	<u>Value</u>	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.1019	meter
This damage case complies with the stated criteria				

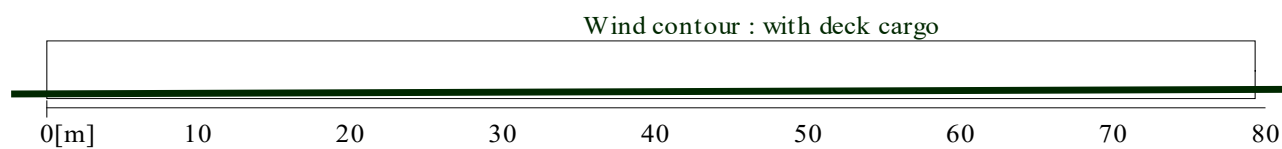
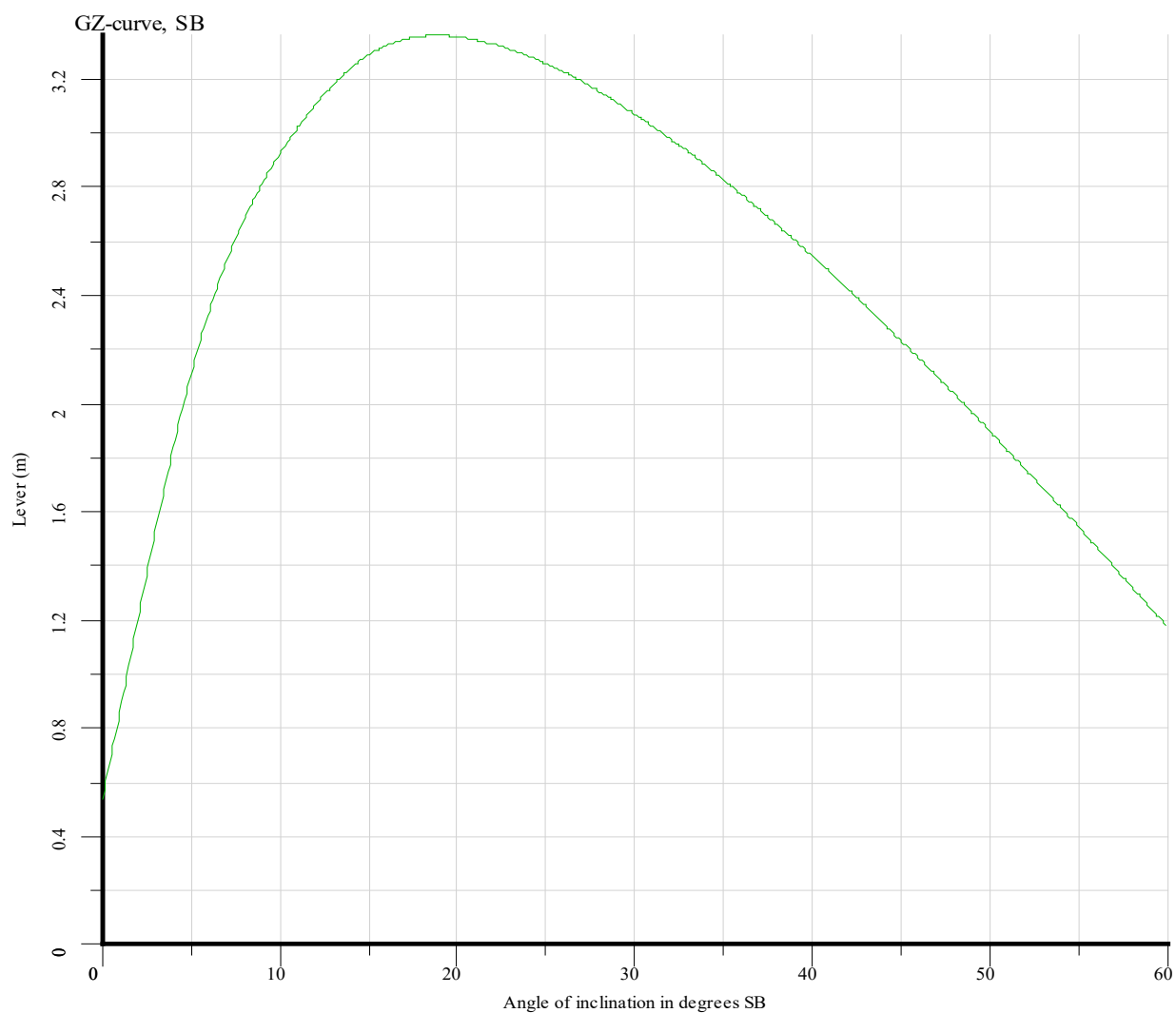


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	441.930 ton
Intact VCG	2.149 m
Intact LCG	39.699 m
Intact TCG	-0.656 m

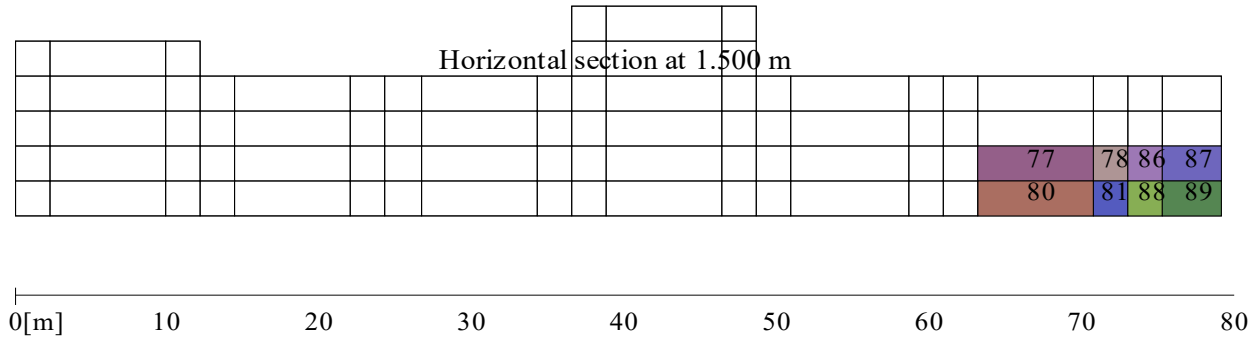


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Damage case FORE SB 2
Stage of flooding 100%
Intact displacement 441.930 ton
Intact VCG 2.149 m
Intact LCG 39.699 m
Intact TCG -0.656 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT PS 3

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.505 m
Marginline	mid aft PS	-1.395 m
Marginline	mid fore PS	-1.293 m
Marginline	fore PS	-0.643 m
Marginline	aft SB	-0.521 m
Marginline	mid aft SB	-0.215 m
Marginline	mid fore SB	-0.112 m
Marginline	fore SB	0.144 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.505 m
Marginline	mid aft PS	-1.395 m
Marginline	mid fore PS	-1.293 m
Marginline	fore PS	-0.643 m
Marginline	aft SB	-0.521 m
Marginline	mid aft SB	-0.215 m
Marginline	mid fore SB	-0.112 m
Marginline	fore SB	0.144 m

Damaged compartments and intact compartment weights (at 4.63° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
1 A	0.000	1.0000	23.984	1.0000
1 A A	0.000	1.0000	6.947	1.0000
2 A	0.000	1.0000	20.529	1.0000
2 A A	0.000	1.0000	5.917	1.0000
3 A	0.000	1.0000	17.039	1.0000
3 A A	0.000	1.0000	4.873	1.0000
6	0.000	1.0000	5.856	1.0000
6 A	0.000	1.0000	18.715	1.0000
7	0.000	1.0000	4.805	1.0000
7 A	0.000	1.0000	15.222	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	657.069	-2.149	-9.478	-0.268	1.116
50.00	PS	654.963	-1.188	-6.471	-0.732	1.028
40.00	PS	651.338	-0.568	-4.503	-1.158	0.862
35.00	PS	648.681	-0.326	-3.731	-1.347	0.753
30.00	PS	645.168	-0.114	-3.055	-1.510	0.628
25.00	PS	640.315	0.073	-2.455	-1.636	0.490
20.00	PS	633.133	0.241	-1.920	-1.700	0.344
15.00	PS	621.227	0.388	-1.443	-1.638	0.197
10.00	PS	598.320	0.507	-0.999	-1.270	0.066
5.00	PS	562.863	0.581	-0.682	-0.112	0.000
4.63	PS	560.352	0.583	-0.673	0.000	0.000
2.00	PS	542.610	0.597	-0.608	0.837	0.019
0.00		529.330	0.607	-0.566	1.476	0.059
2.00	SB	516.050	0.617	-0.524	2.114	0.122
5.00	SB	495.444	0.627	-0.462	2.990	0.257
10.00	SB	463.460	0.571	-0.406	3.733	0.556
15.00	SB	447.387	0.429	-0.377	3.961	0.894
20.00	SB	439.821	0.234	-0.379	3.988	1.242
25.00	SB	436.937	0.014	-0.444	3.880	1.586
30.00	SB	436.359	-0.220	-0.540	3.676	1.916
35.00	SB	436.360	-0.478	-0.655	3.408	2.226
40.00	SB	436.305	-0.769	-0.783	3.092	2.510
50.00	SB	436.359	-1.508	-1.115	2.362	2.987
60.00	SB	436.360	-2.640	-1.621	1.538	3.329

Statical angle of inclination is 4.63 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

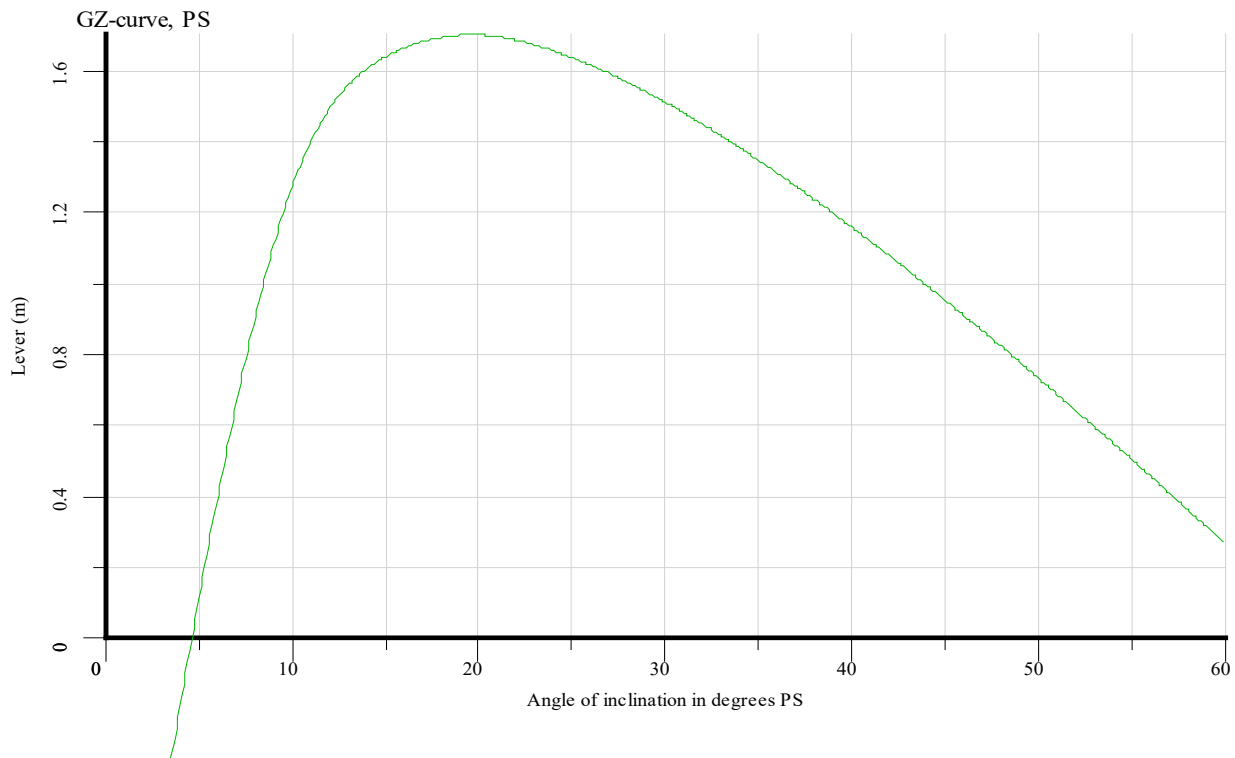
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.4544	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.4828	meter
This damage case complies with the stated criteria				

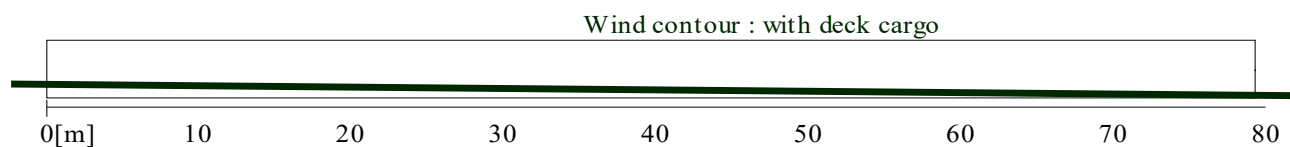
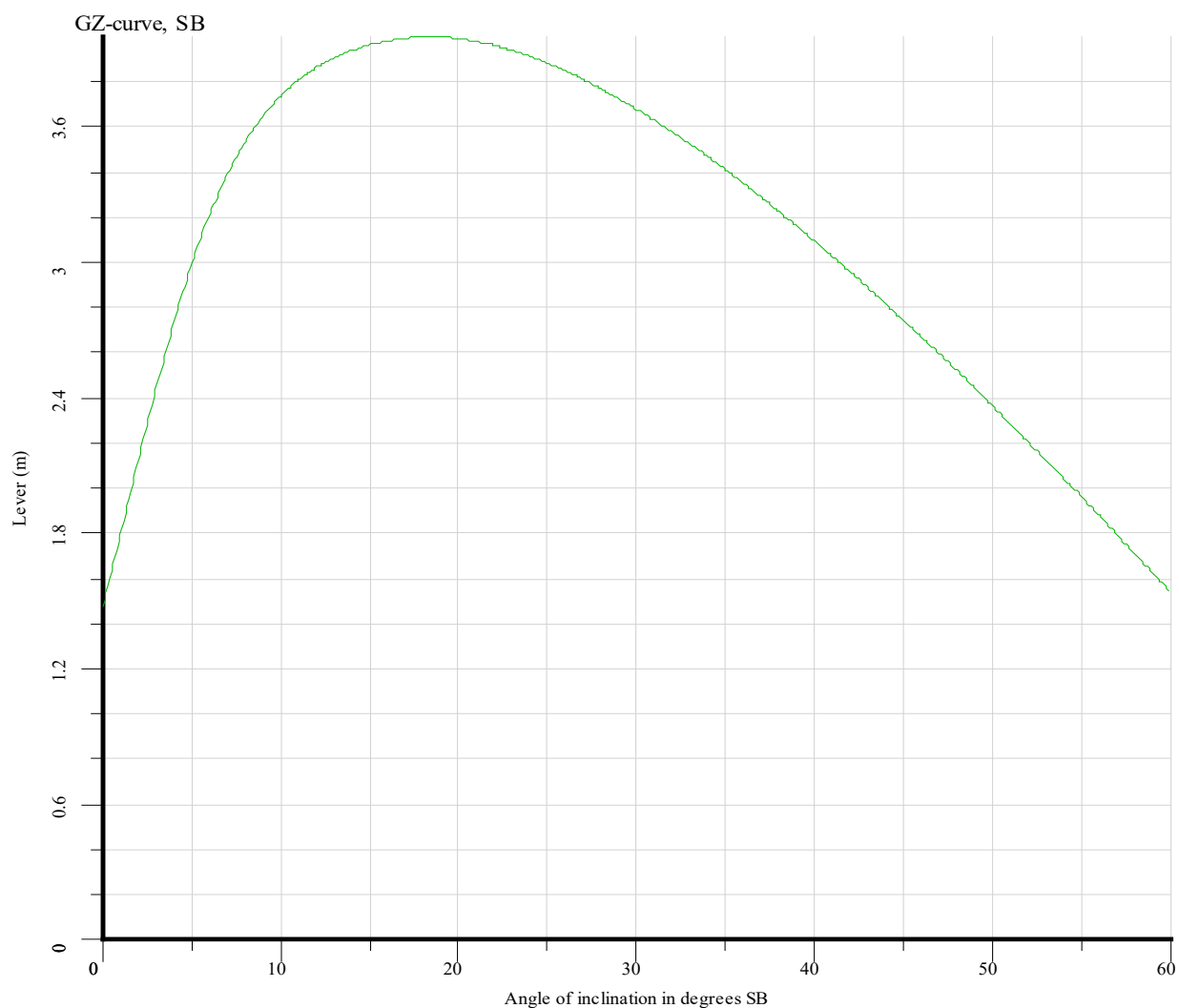


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	AFT PS 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

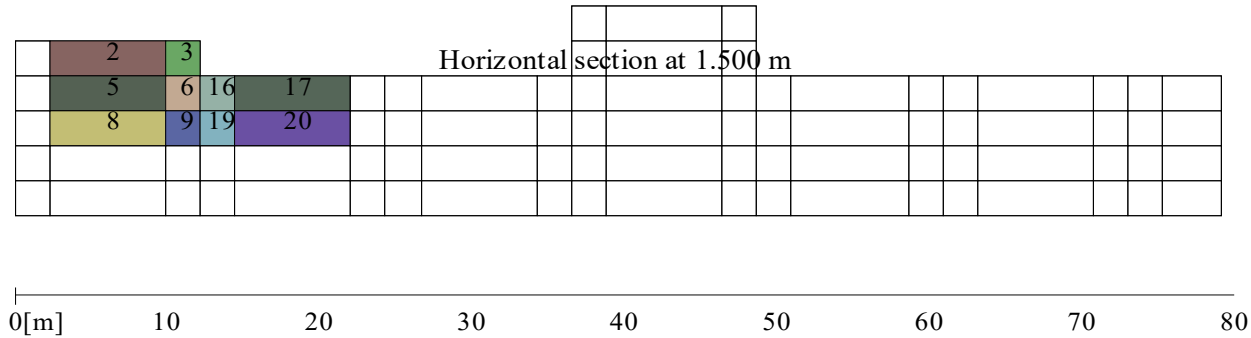


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT PS 3
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT SB 3

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.069 m
Marginline	mid aft PS	-0.887 m
Marginline	mid fore PS	-0.803 m
Marginline	aft SB	-0.725 m
Marginline	mid aft SB	-0.474 m
Marginline	fore PS	-0.455 m
Marginline	mid fore SB	-0.390 m
Marginline	fore SB	-0.180 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-1.069 m
Marginline	mid aft PS	-0.887 m
Marginline	mid fore PS	-0.803 m
Marginline	aft SB	-0.725 m
Marginline	mid aft SB	-0.474 m
Marginline	fore PS	-0.455 m
Marginline	mid fore SB	-0.390 m
Marginline	fore SB	-0.180 m

Damaged compartments and intact compartment weights (at 1.62° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
3 A	0.000	1.0000	15.103	1.0000
3 A A	0.000	1.0000	4.336	1.0000
4 A	0.000	1.0000	13.883	1.0000
4 A A	0.000	1.0000	3.971	1.0000
5 A	0.000	1.0000	12.683	1.0000
5 A A	6.300	1.0000	3.612	1.0000
7	0.000	1.0000	4.283	1.0000
7 A	0.000	1.0000	13.626	1.0000
8	0.000	1.0000	3.916	1.0000
8 A	0.000	1.0000	12.406	1.0000
9	0.000	1.0000	3.555	1.0000
9 A	0.000	1.0000	11.208	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	430.062	-4.654	1.381	-0.618	1.701
50.00	PS	430.060	-2.894	0.950	-1.180	1.544
40.00	PS	430.142	-1.744	0.668	-1.684	1.293
35.00	PS	430.790	-1.289	0.546	-1.904	1.136
30.00	PS	432.357	-0.884	0.431	-2.093	0.961
25.00	PS	435.176	-0.523	0.321	-2.243	0.772
20.00	PS	440.070	-0.200	0.190	-2.338	0.571
15.00	PS	449.074	0.090	0.022	-2.331	0.367
10.00	PS	467.238	0.345	-0.173	-2.057	0.171
5.00	PS	503.857	0.518	-0.362	-1.032	0.031
2.00	PS	529.388	0.583	-0.523	-0.119	0.000
1.62	PS	532.633	0.591	-0.544	0.000	0.000
0.00		546.398	0.626	-0.632	0.488	0.007
2.00	SB	563.405	0.670	-0.741	1.094	0.034
5.00	SB	588.824	0.732	-0.909	1.968	0.115
10.00	SB	628.255	0.774	-1.325	2.810	0.329
15.00	SB	651.381	0.767	-1.924	3.182	0.593
20.00	SB	663.178	0.738	-2.624	3.233	0.875
25.00	SB	670.350	0.699	-3.399	3.130	1.153
30.00	SB	675.154	0.653	-4.254	2.944	1.418
35.00	SB	678.548	0.600	-5.205	2.705	1.665
40.00	SB	681.009	0.538	-6.283	2.430	1.890
50.00	SB	684.238	0.375	-9.019	1.801	2.260
60.00	SB	686.167	0.117	-13.198	1.099	2.514

Statical angle of inclination is 1.62 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

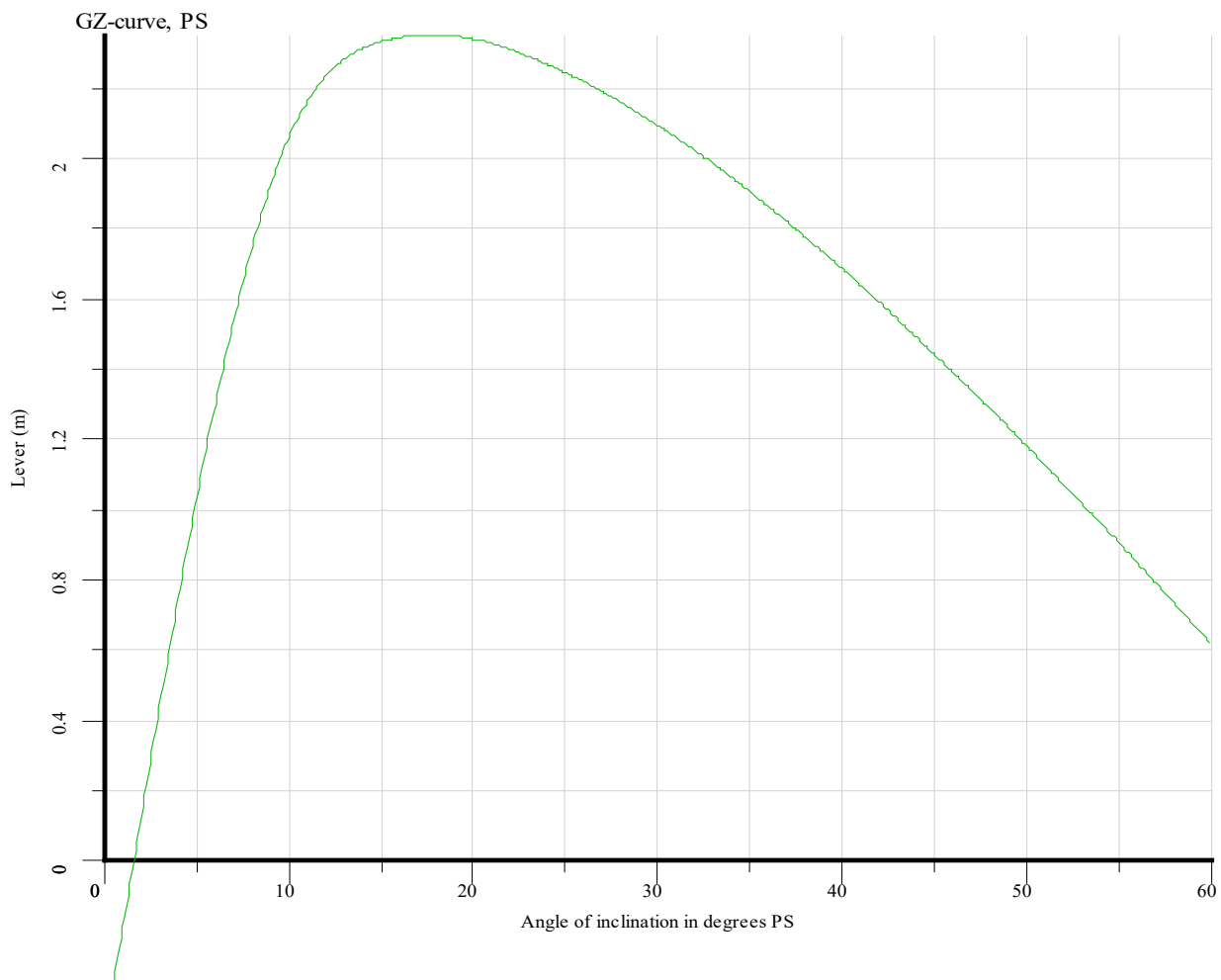
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9019	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9176	meter
This damage case complies with the stated criteria				

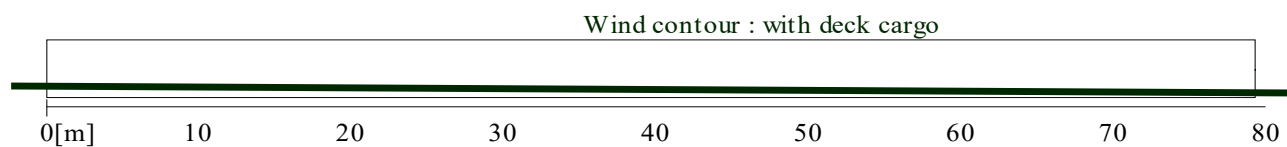
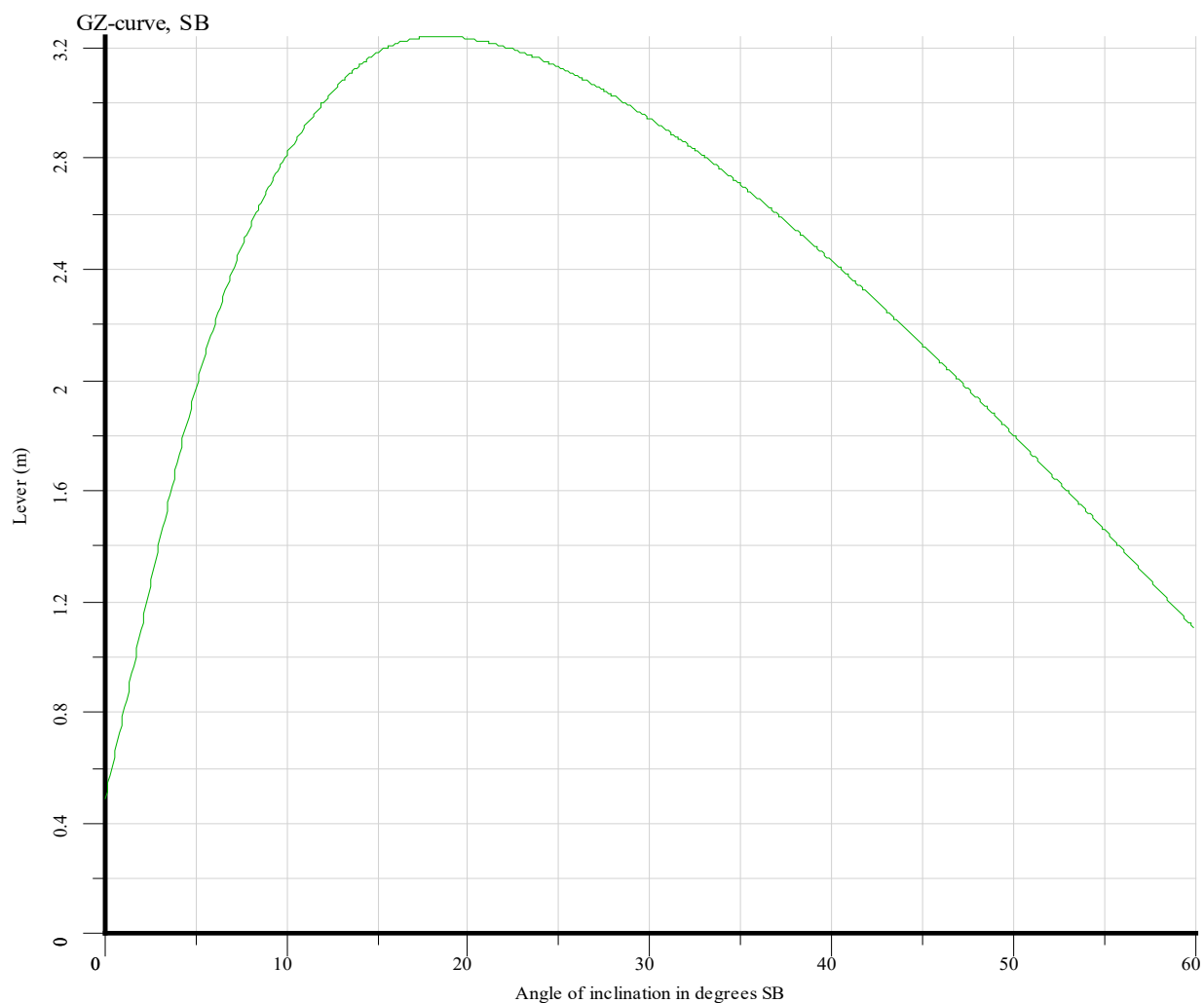


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



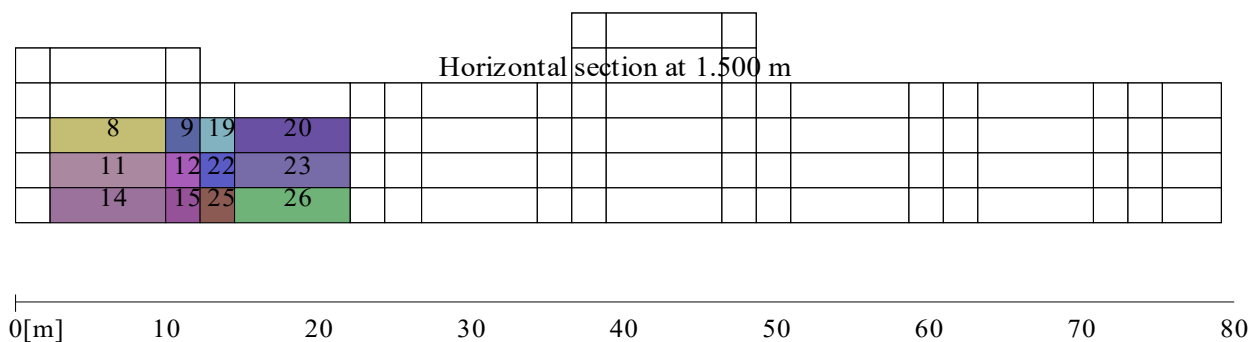
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	AFT SB 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT SB 2

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.913 m
Marginline	mid aft PS	-0.859 m
Marginline	mid fore PS	-0.815 m
Marginline	fore PS	-0.545 m
Marginline	aft SB	-0.516 m
Marginline	mid aft SB	-0.383 m
Marginline	mid fore SB	-0.338 m
Marginline	fore SB	-0.227 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	aft PS	-0.913 m
Marginline	mid aft PS	-0.859 m
Marginline	mid fore PS	-0.815 m
Marginline	fore PS	-0.545 m
Marginline	aft SB	-0.516 m
Marginline	mid aft SB	-0.383 m
Marginline	mid fore SB	-0.338 m
Marginline	fore SB	-0.227 m

Damaged compartments and intact compartment weights (at 1.87° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
4 A	0.000	1.0000	10.821	1.0000
4 A A	0.000	1.0000	3.140	1.0000
5 A	0.000	1.0000	9.432	1.0000
5 A A	6.300	1.0000	2.725	1.0000
8	0.000	1.0000	3.118	1.0000
8 A	0.000	1.0000	10.038	1.0000
9	0.000	1.0000	2.700	1.0000
9 A	0.000	1.0000	8.649	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	430.060	-4.654	1.381	-0.618	1.673
50.00	PS	430.089	-2.893	0.950	-1.180	1.515
40.00	PS	430.048	-1.744	0.669	-1.684	1.264
35.00	PS	430.063	-1.292	0.559	-1.901	1.107
30.00	PS	430.060	-0.893	0.466	-2.086	0.933
25.00	PS	430.070	-0.539	0.387	-2.225	0.745
20.00	PS	430.060	-0.226	0.296	-2.303	0.546
15.00	PS	430.061	0.052	0.181	-2.257	0.346
10.00	PS	434.244	0.296	0.046	-1.946	0.160
5.00	PS	457.670	0.467	-0.136	-0.965	0.027
2.00	PS	479.689	0.528	-0.282	-0.042	0.000
1.87	PS	480.667	0.531	-0.288	0.000	0.000
0.00		494.405	0.569	-0.379	0.569	0.009
2.00	SB	508.953	0.610	-0.476	1.180	0.040
5.00	SB	530.662	0.667	-0.624	2.042	0.125
10.00	SB	564.974	0.701	-0.980	2.878	0.345
15.00	SB	587.823	0.665	-1.432	3.233	0.614
20.00	SB	598.234	0.594	-1.952	3.286	0.900
25.00	SB	603.941	0.507	-2.531	3.185	1.183
30.00	SB	607.240	0.408	-3.165	3.000	1.453
35.00	SB	609.122	0.293	-3.863	2.762	1.705
40.00	SB	610.206	0.161	-4.649	2.486	1.934
50.00	SB	611.269	-0.179	-6.628	1.851	2.314
60.00	SB	611.672	-0.705	-9.647	1.140	2.576

Statical angle of inclination is 1.87 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

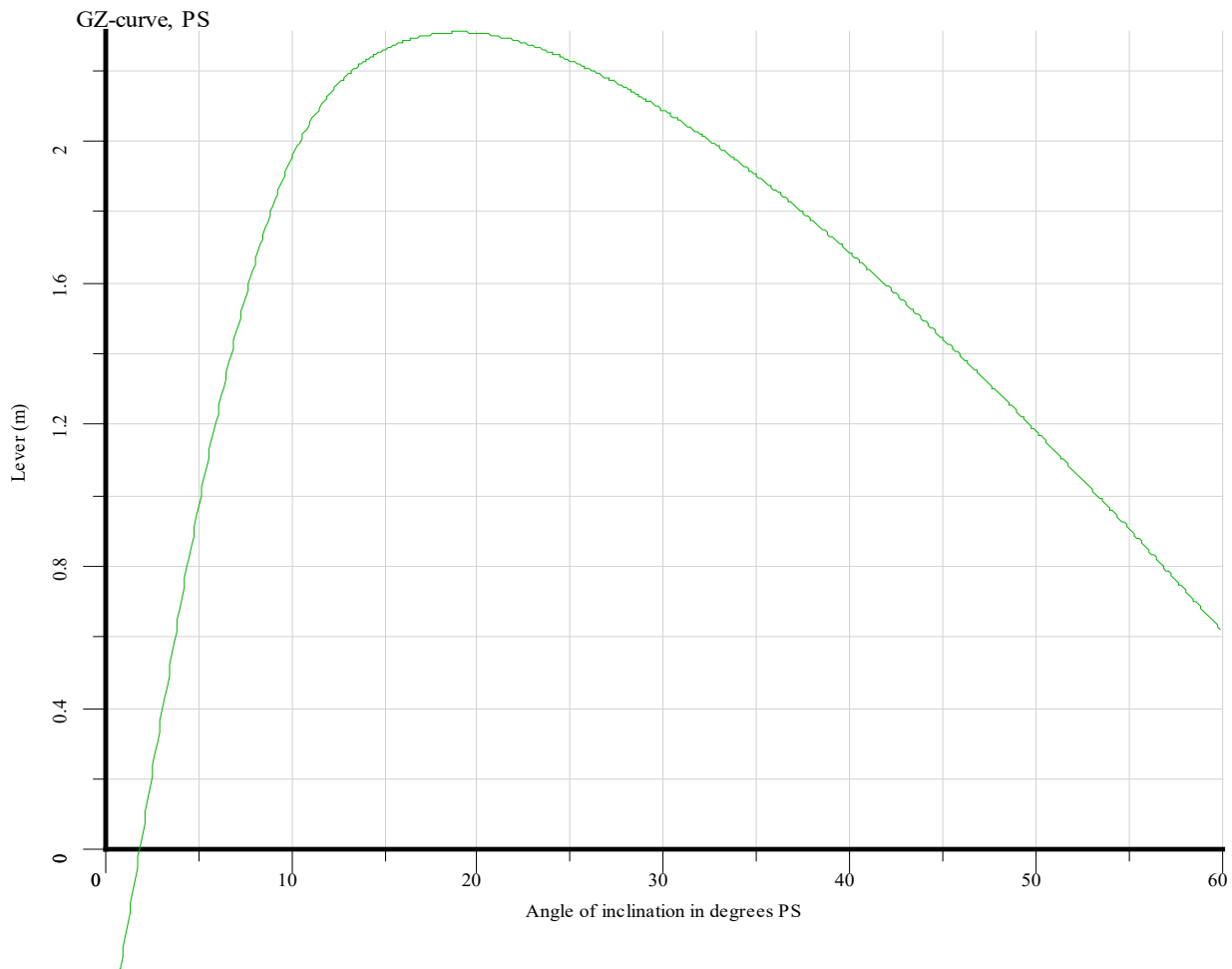
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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0576	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0742	meter
This damage case complies with the stated criteria				

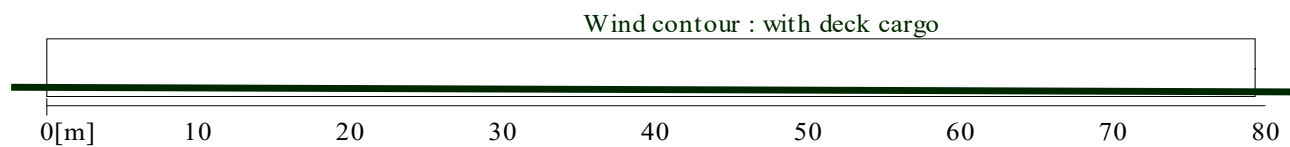
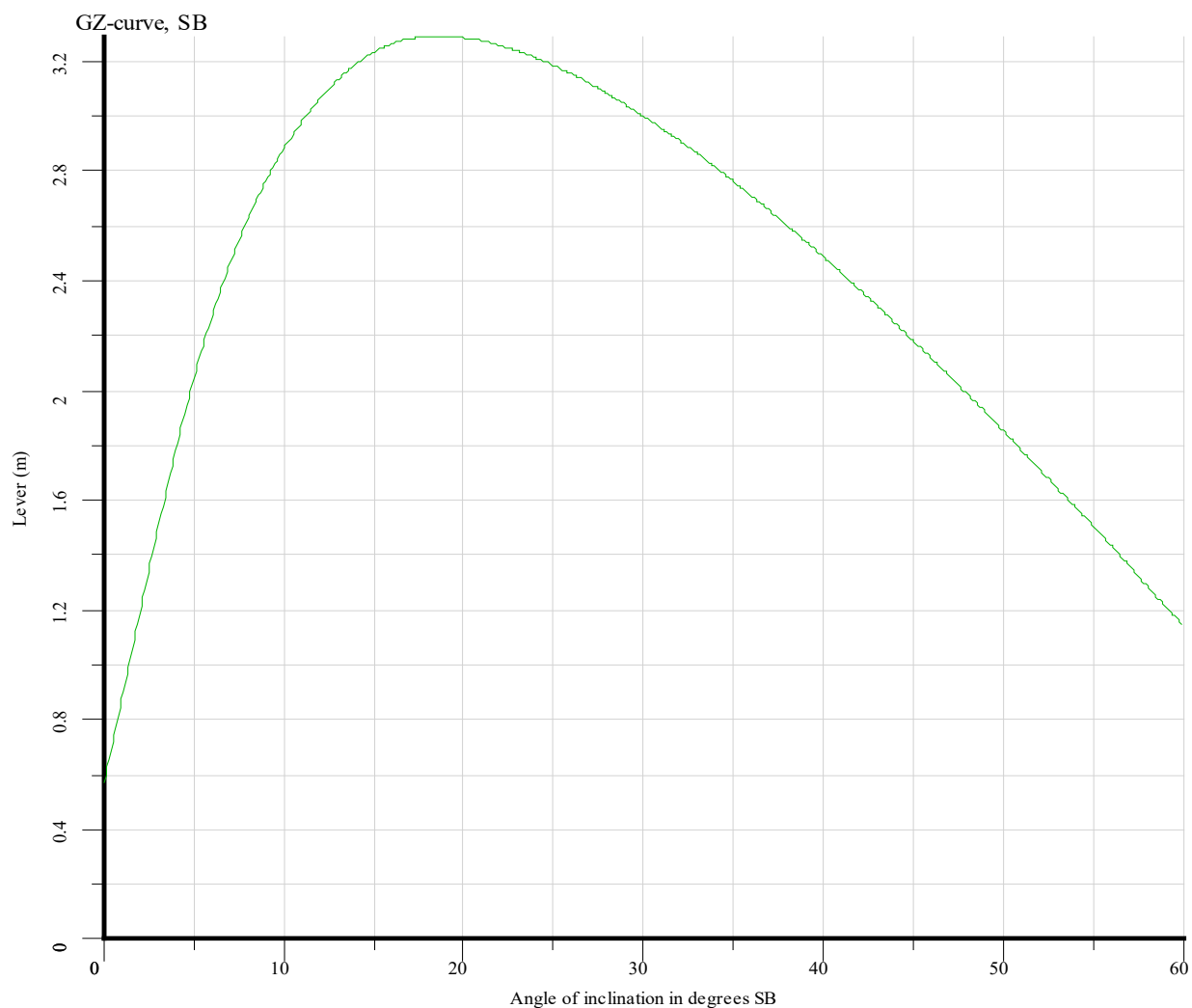


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	AFT SB 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

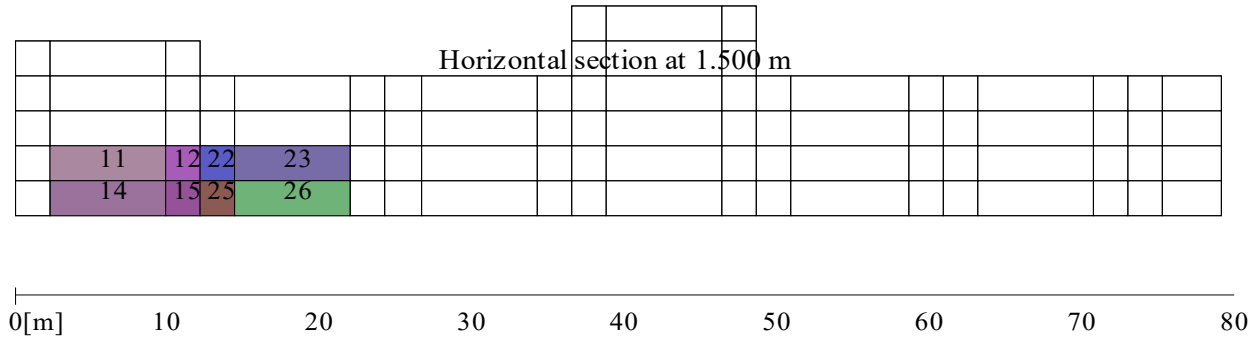


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case AFT SB 2
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2 L PS 3

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.576 m
Marginline	mid fore PS	-1.575 m
Marginline	aft PS	-1.320 m
Marginline	fore PS	-1.058 m
Marginline	aft SB	-0.033 m
Marginline	mid aft SB	-0.030 m
Marginline	mid fore SB	-0.029 m
Marginline	fore SB	-0.027 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.576 m
Marginline	mid fore PS	-1.575 m
Marginline	aft PS	-1.320 m
Marginline	fore PS	-1.058 m
Marginline	aft SB	-0.033 m
Marginline	mid aft SB	-0.030 m
Marginline	mid fore SB	-0.029 m
Marginline	fore SB	-0.027 m

Damaged compartments and intact compartment weights (at 6.06° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	16.562	1.0000
10 A A	0.000	1.0000	4.949	1.0000
14	0.000	1.0000	7.717	1.0000
14 A	0.000	1.0000	25.626	1.0000
15	0.000	1.0000	6.363	1.0000
15 A	0.000	1.0000	21.133	1.0000
16	0.000	1.0000	4.984	1.0000
16 A	0.000	1.0000	16.549	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2 L PS 3
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	617.041	-2.590	0.914	-0.082	0.798
50.00	PS	615.128	-1.488	0.637	-0.494	0.748
40.00	PS	611.985	-0.772	0.457	-0.872	0.628
35.00	PS	609.725	-0.490	0.386	-1.038	0.544
30.00	PS	606.729	-0.241	0.323	-1.178	0.447
25.00	PS	602.571	-0.017	0.267	-1.276	0.340
20.00	PS	596.400	0.189	0.216	-1.293	0.227
15.00	PS	587.097	0.370	0.162	-1.175	0.118
10.00	PS	569.644	0.506	0.063	-0.781	0.029
6.06	PS	539.267	0.543	-0.004	0.000	0.000
5.00	PS	531.057	0.554	-0.022	0.264	0.002
2.00	PS	505.332	0.561	-0.067	1.050	0.037
0.00		488.332	0.565	-0.098	1.570	0.082
2.00	SB	471.153	0.570	-0.128	2.087	0.146
5.00	SB	449.511	0.575	-0.175	2.837	0.276
10.00	SB	437.049	0.533	-0.235	3.617	0.562
15.00	SB	436.360	0.409	-0.289	3.904	0.892
20.00	SB	436.360	0.226	-0.345	3.970	1.237
25.00	SB	436.367	0.013	-0.436	3.878	1.581
30.00	SB	436.378	-0.220	-0.541	3.676	1.911
35.00	SB	436.350	-0.478	-0.655	3.408	2.220
40.00	SB	436.358	-0.769	-0.785	3.092	2.504
50.00	SB	436.360	-1.508	-1.115	2.362	2.982
60.00	SB	436.360	-2.640	-1.621	1.538	3.323

Statical angle of inclination is 6.06 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

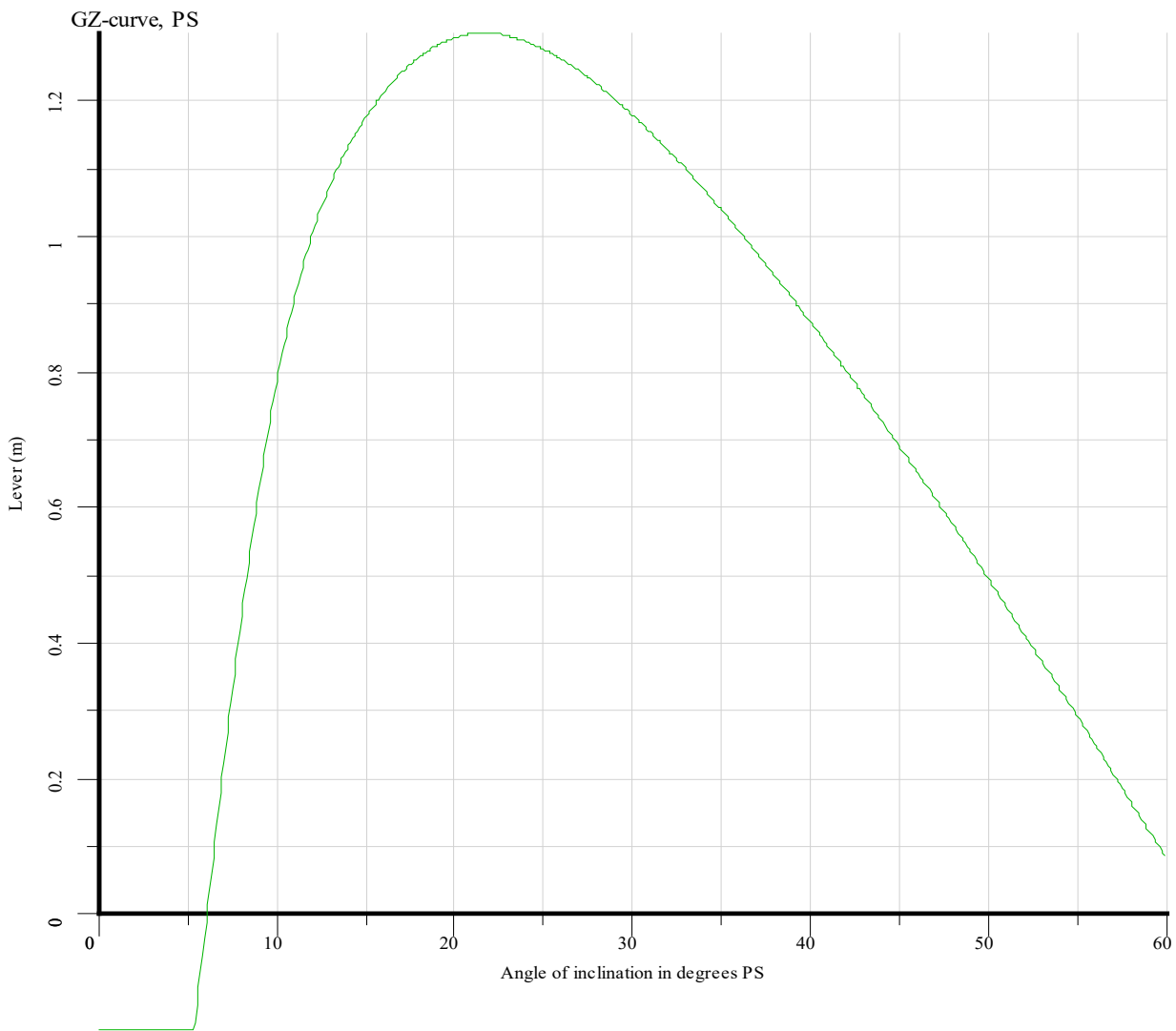
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2 L PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3736	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.4164	meter
This damage case complies with the stated criteria				

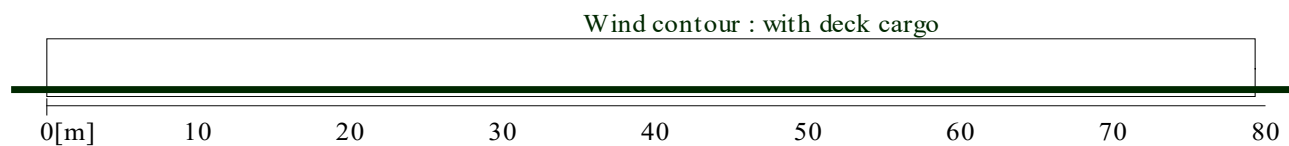
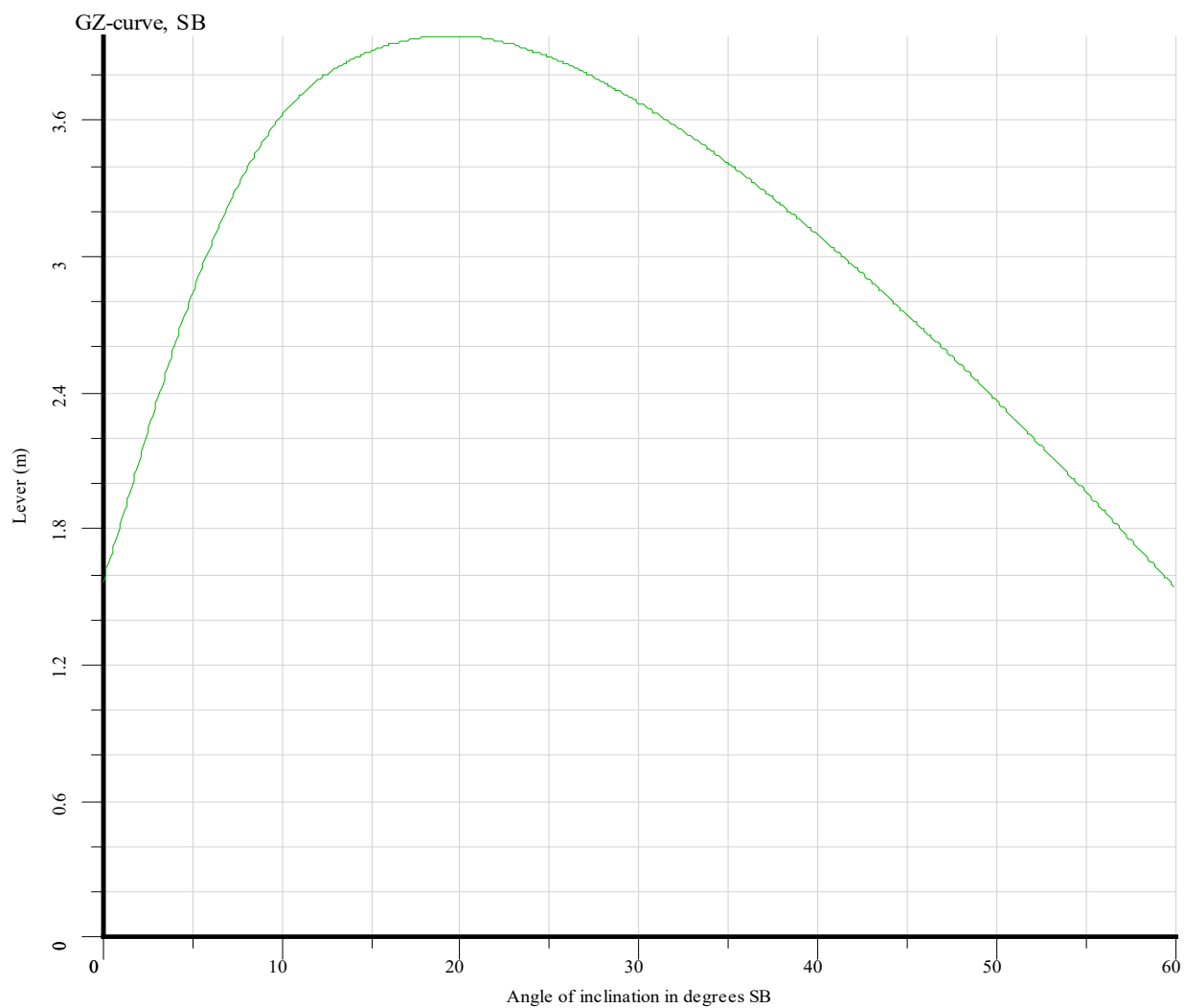


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



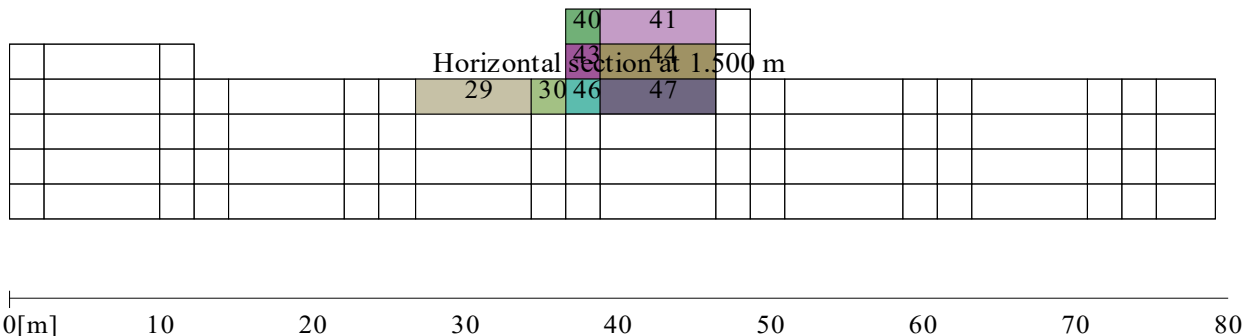
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2 L PS 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2 L PS 2

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.288 m
Marginline	mid fore PS	-1.279 m
Marginline	aft PS	-1.132 m
Marginline	fore PS	-0.893 m
Marginline	aft SB	-0.224 m
Marginline	mid aft SB	-0.197 m
Marginline	mid fore SB	-0.188 m
Marginline	fore SB	-0.166 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid aft PS	-1.288 m
Marginline	mid fore PS	-1.279 m
Marginline	aft PS	-1.132 m
Marginline	fore PS	-0.893 m
Marginline	aft SB	-0.224 m
Marginline	mid aft SB	-0.197 m
Marginline	mid fore SB	-0.188 m
Marginline	fore SB	-0.166 m

Damaged compartments and intact compartment weights (at 4.27° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
10 A	0.000	1.0000	14.815	1.0000
10 A A	0.000	1.0000	4.410	1.0000
11 A	0.000	1.0000	11.594	1.0000
11 A A	0.000	1.0000	3.447	1.0000
15	0.000	1.0000	5.399	1.0000
15 A	0.000	1.0000	17.870	1.0000
16	0.000	1.0000	4.432	1.0000
16 A	0.000	1.0000	14.658	1.0000
17	0.000	1.0000	3.462	1.0000
17 A	0.000	1.0000	11.436	1.0000

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2 L PS 2
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	576.220	-3.041	0.757	-0.424	1.340
50.00	PS	576.220	-1.783	0.521	-0.933	1.221
40.00	PS	576.205	-0.963	0.367	-1.398	1.017
35.00	PS	576.208	-0.640	0.306	-1.602	0.886
30.00	PS	576.220	-0.354	0.252	-1.779	0.738
25.00	PS	576.220	-0.095	0.204	-1.913	0.576
20.00	PS	575.615	0.141	0.161	-1.968	0.406
15.00	PS	570.484	0.338	0.110	-1.891	0.237
10.00	PS	556.140	0.485	0.019	-1.516	0.083
5.00	PS	531.934	0.554	-0.049	-0.231	0.001
4.27	PS	527.813	0.558	-0.058	0.000	0.000
2.00	PS	514.903	0.571	-0.088	0.738	0.015
0.00		503.685	0.583	-0.115	1.380	0.052
2.00	SB	492.275	0.594	-0.141	2.019	0.111
5.00	SB	474.711	0.606	-0.184	2.894	0.241
10.00	SB	453.627	0.559	-0.244	3.690	0.534
15.00	SB	442.967	0.422	-0.294	3.939	0.869
20.00	SB	437.905	0.230	-0.347	3.979	1.215
25.00	SB	436.396	0.013	-0.437	3.878	1.559
30.00	SB	436.360	-0.220	-0.540	3.676	1.889
35.00	SB	436.360	-0.478	-0.655	3.408	2.199
40.00	SB	436.354	-0.769	-0.785	3.092	2.483
50.00	SB	436.360	-1.508	-1.115	2.362	2.960
60.00	SB	436.360	-2.640	-1.621	1.538	3.302

Statical angle of inclination is 4.27 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

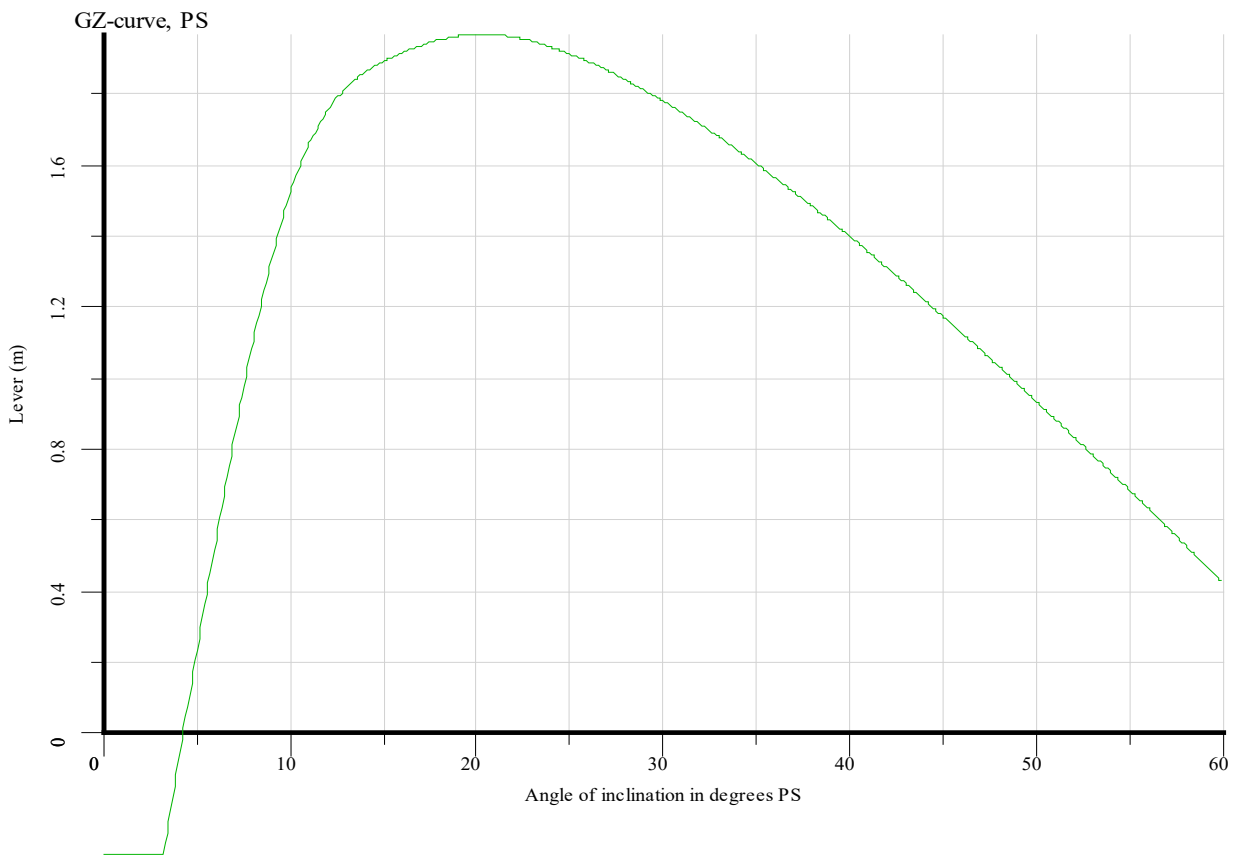
19 Jan 2024 13:34:28

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2 L PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6725	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7043	meter
This damage case complies with the stated criteria				

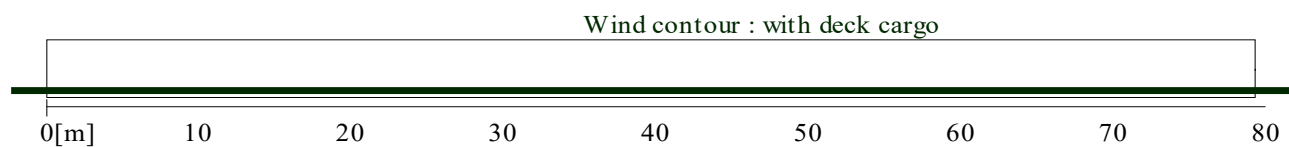
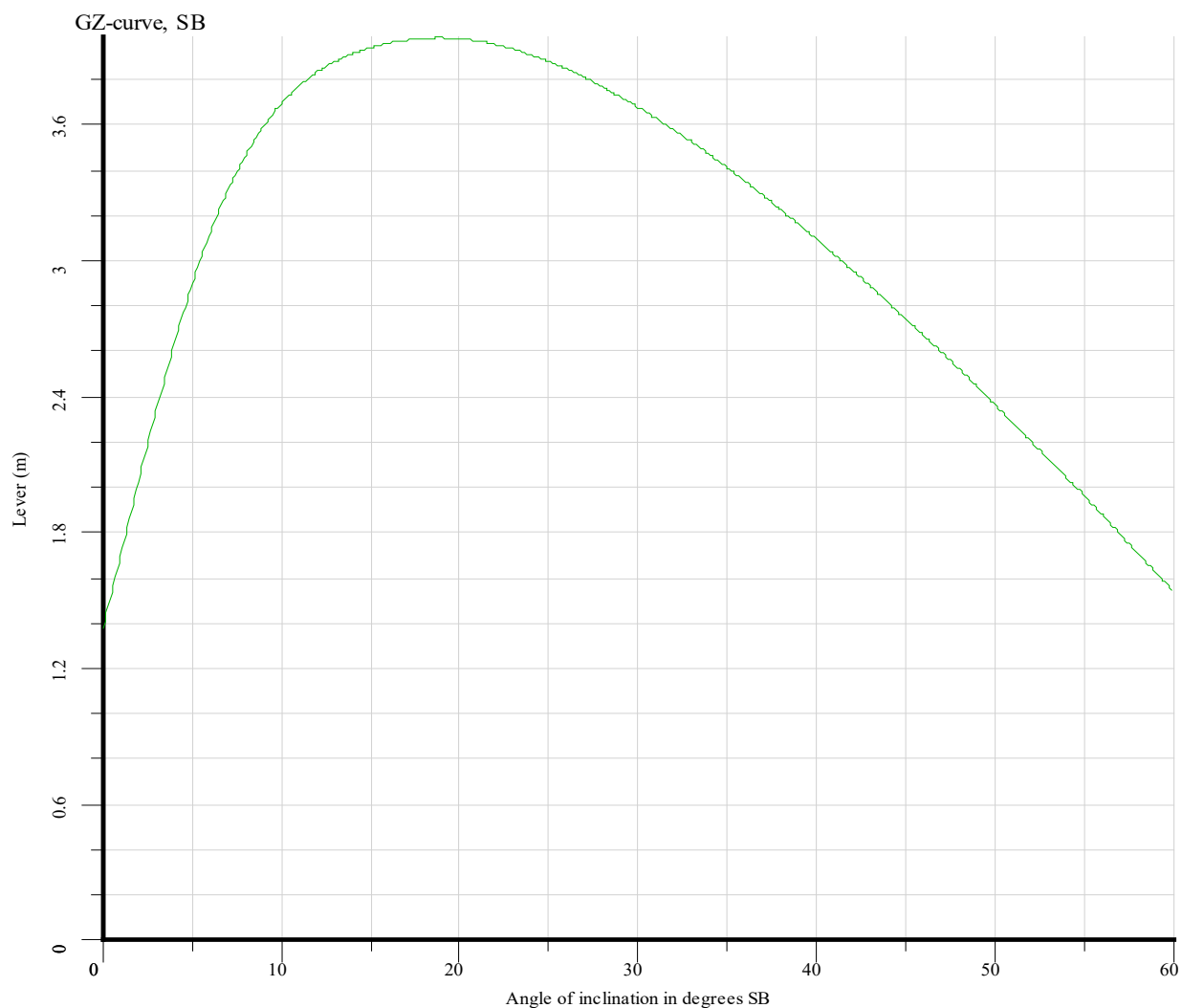


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

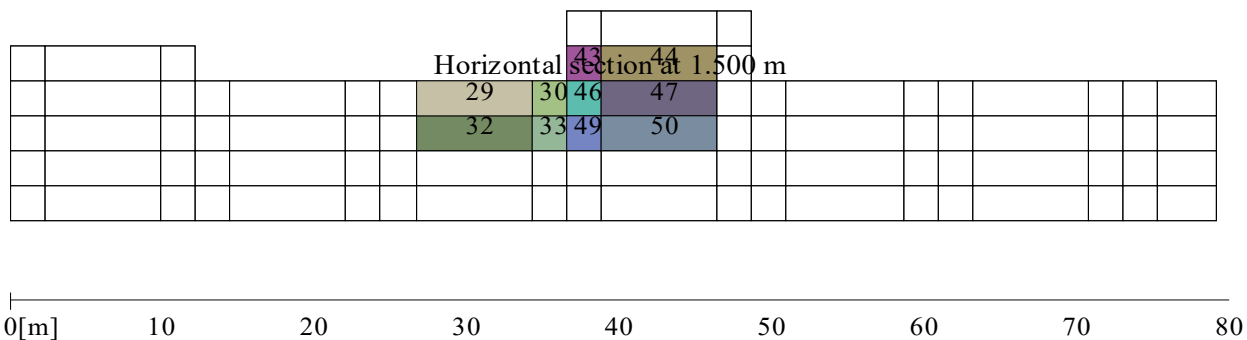
Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



pontoon 79.25x14.63x1.98m

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2 L PS 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2L PS in 3

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.611 m
Marginline	mid aft PS	-1.591 m
Marginline	aft PS	-1.272 m
Marginline	fore PS	-1.134 m
Marginline	fore SB	-0.085 m
Marginline	mid fore SB	-0.037 m
Marginline	mid aft SB	-0.018 m
Marginline	aft SB	0.040 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.611 m
Marginline	mid aft PS	-1.591 m
Marginline	aft PS	-1.272 m
Marginline	fore PS	-1.134 m
Marginline	fore SB	-0.085 m
Marginline	mid fore SB	-0.037 m
Marginline	mid aft SB	-0.018 m
Marginline	aft SB	0.040 m

Damaged compartments and intact compartment weights (at 6.18° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
14 A	0.000	1.0000	26.045	1.0000
14 A A	0.000	1.0000	7.821	1.0000
15 A	0.000	1.0000	21.478	1.0000
15 A A	0.000	1.0000	6.464	1.0000
16 A	0.000	1.0000	16.802	1.0000
16 A A	0.000	1.0000	5.064	1.0000
20	0.000	1.0000	5.118	1.0000
20 A	0.000	1.0000	17.137	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	617.594	-2.584	3.105	-0.059	0.763
50.00	PS	616.799	-1.475	2.132	-0.463	0.717
40.00	PS	614.551	-0.758	1.487	-0.835	0.603
35.00	PS	612.644	-0.477	1.230	-0.998	0.523
30.00	PS	609.952	-0.229	1.001	-1.136	0.429
25.00	PS	606.049	-0.007	0.792	-1.232	0.326
20.00	PS	600.023	0.197	0.604	-1.251	0.217
15.00	PS	590.086	0.376	0.440	-1.129	0.112
10.00	PS	571.683	0.510	0.252	-0.736	0.027
6.18	PS	541.221	0.545	0.129	0.000	0.000
5.00	PS	531.859	0.556	0.091	0.285	0.003
2.00	PS	505.478	0.562	0.019	1.063	0.038
0.00		488.027	0.566	-0.030	1.576	0.084
2.00	SB	470.423	0.570	-0.078	2.088	0.148
5.00	SB	448.275	0.574	-0.150	2.831	0.277
10.00	SB	436.682	0.532	-0.234	3.614	0.563
15.00	SB	436.360	0.409	-0.289	3.904	0.893
20.00	SB	436.361	0.226	-0.345	3.970	1.238
25.00	SB	436.363	0.013	-0.436	3.878	1.582
30.00	SB	436.378	-0.220	-0.541	3.676	1.912
35.00	SB	436.367	-0.478	-0.655	3.408	2.221
40.00	SB	436.347	-0.769	-0.785	3.092	2.505
50.00	SB	436.362	-1.508	-1.115	2.362	2.983
60.00	SB	436.354	-2.640	-1.621	1.538	3.324

Statical angle of inclination is 6.18 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

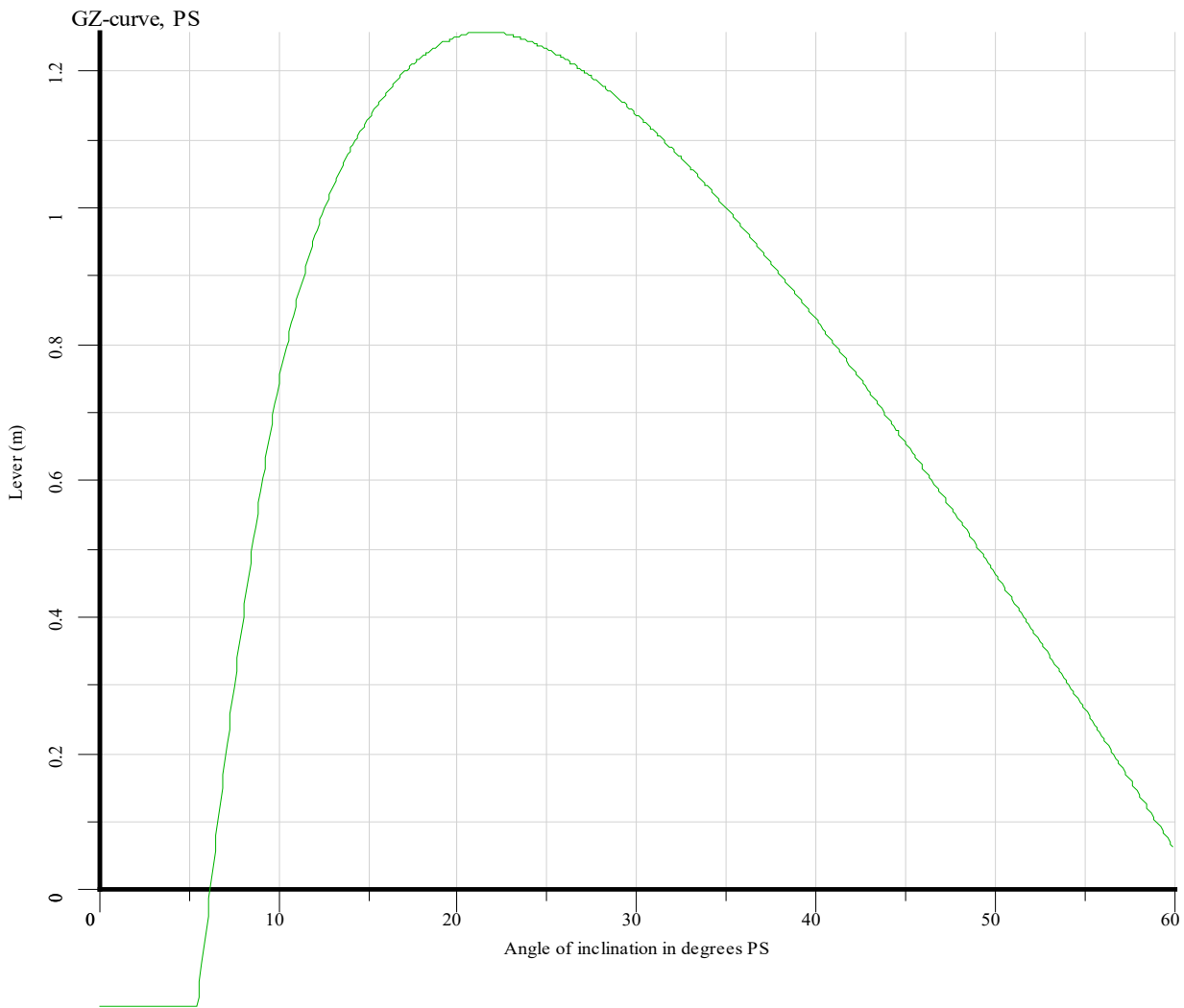
19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3369	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.3821	meter
This damage case complies with the stated criteria				

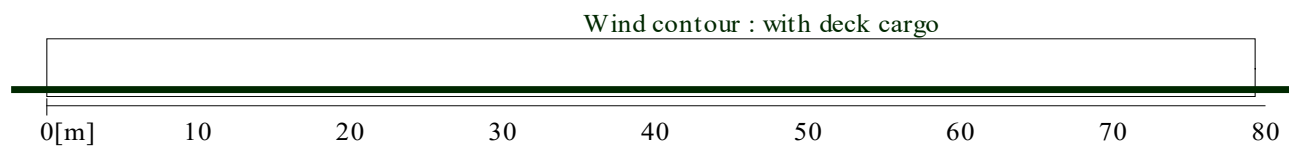
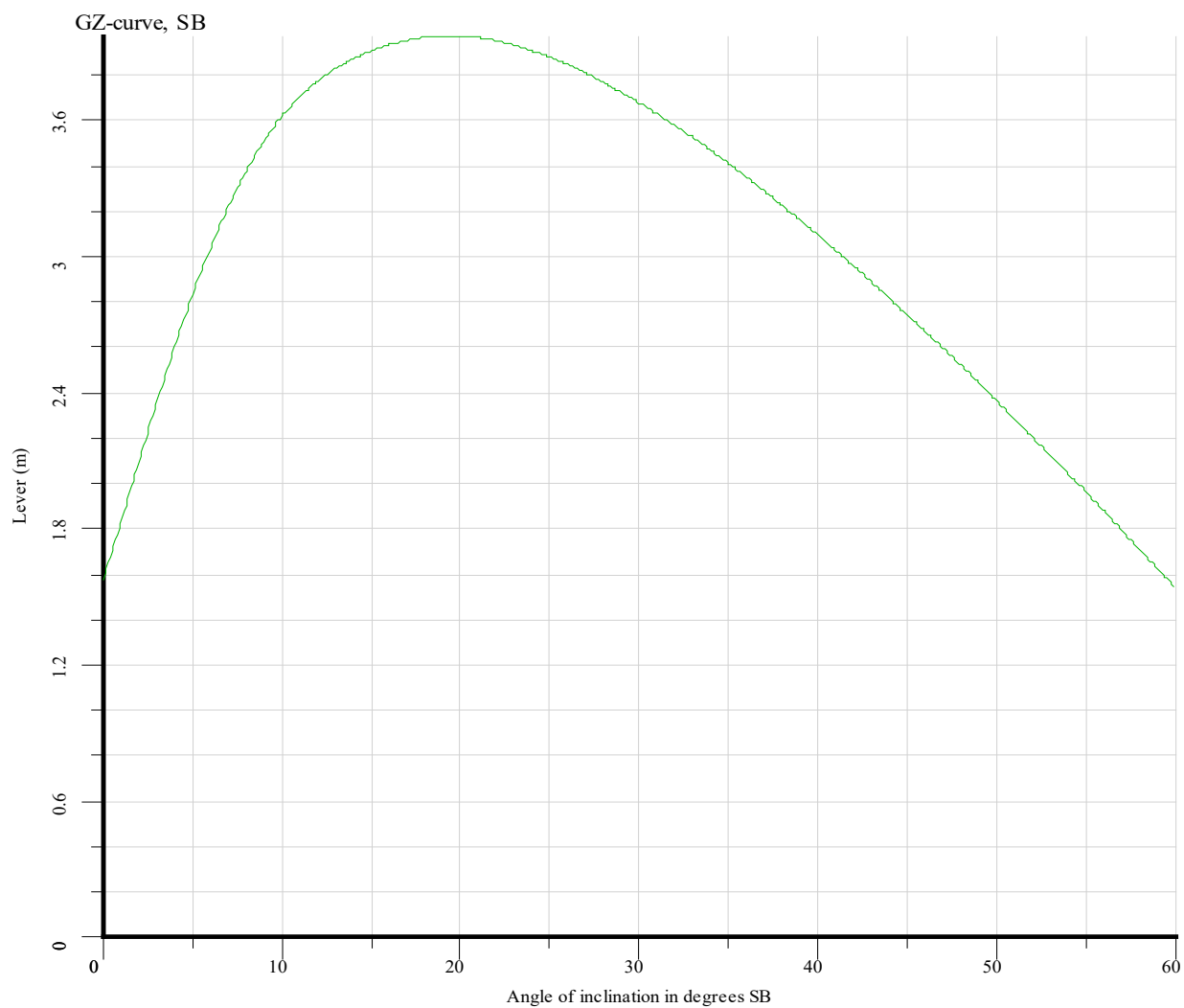


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2L PS in 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

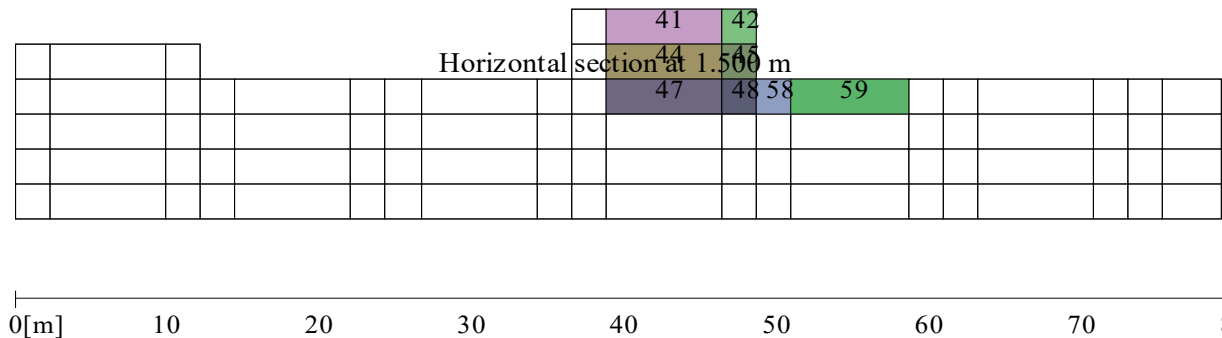


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2L PS in 3
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2L PS in 2

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.315 m
Marginline	mid aft PS	-1.298 m
Marginline	aft PS	-1.065 m
Marginline	fore PS	-0.984 m
Marginline	fore SB	-0.243 m
Marginline	mid fore SB	-0.203 m
Marginline	mid aft SB	-0.187 m
Marginline	aft SB	-0.138 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.315 m
Marginline	mid aft PS	-1.298 m
Marginline	aft PS	-1.065 m
Marginline	fore PS	-0.984 m
Marginline	fore SB	-0.243 m
Marginline	mid fore SB	-0.203 m
Marginline	mid aft SB	-0.187 m
Marginline	aft SB	-0.138 m

Damaged compartments and intact compartment weights (at 4.36° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
15 A	0.000	1.0000	18.192	1.0000
15 A A	0.000	1.0000	5.473	1.0000
16 A	0.000	1.0000	14.920	1.0000
16 A A	0.000	1.0000	4.495	1.0000
17 A	0.000	1.0000	11.634	1.0000
17 A A	0.000	1.0000	3.513	1.0000
20	0.000	1.0000	4.543	1.0000
20 A	0.000	1.0000	15.206	1.0000
21	0.000	1.0000	3.554	1.0000
21 A	0.000	1.0000	11.922	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	586.889	-2.923	3.052	-0.404	1.306
50.00	PS	586.871	-1.703	2.101	-0.907	1.191
40.00	PS	586.885	-0.906	1.479	-1.367	0.992
35.00	PS	586.889	-0.592	1.234	-1.570	0.863
30.00	PS	586.889	-0.314	1.017	-1.744	0.718
25.00	PS	586.783	-0.064	0.821	-1.876	0.560
20.00	PS	584.628	0.160	0.640	-1.930	0.393
15.00	PS	577.520	0.352	0.474	-1.837	0.228
10.00	PS	560.393	0.494	0.279	-1.461	0.079
5.00	PS	533.642	0.558	0.121	-0.202	0.001
4.36	PS	529.763	0.562	0.107	0.000	0.000
2.00	PS	515.534	0.574	0.054	0.759	0.016
0.00		503.573	0.584	0.010	1.395	0.053
2.00	SB	491.476	0.595	-0.034	2.029	0.113
5.00	SB	472.731	0.604	-0.106	2.897	0.243
10.00	SB	451.567	0.556	-0.199	3.682	0.536
15.00	SB	441.660	0.420	-0.274	3.932	0.870
20.00	SB	437.300	0.229	-0.342	3.976	1.216
25.00	SB	436.360	0.013	-0.436	3.878	1.560
30.00	SB	436.360	-0.220	-0.540	3.676	1.890
35.00	SB	436.360	-0.478	-0.655	3.408	2.200
40.00	SB	436.360	-0.769	-0.785	3.092	2.483
50.00	SB	436.365	-1.508	-1.115	2.362	2.961
60.00	SB	436.360	-2.640	-1.621	1.538	3.302

Statical angle of inclination is 4.36 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

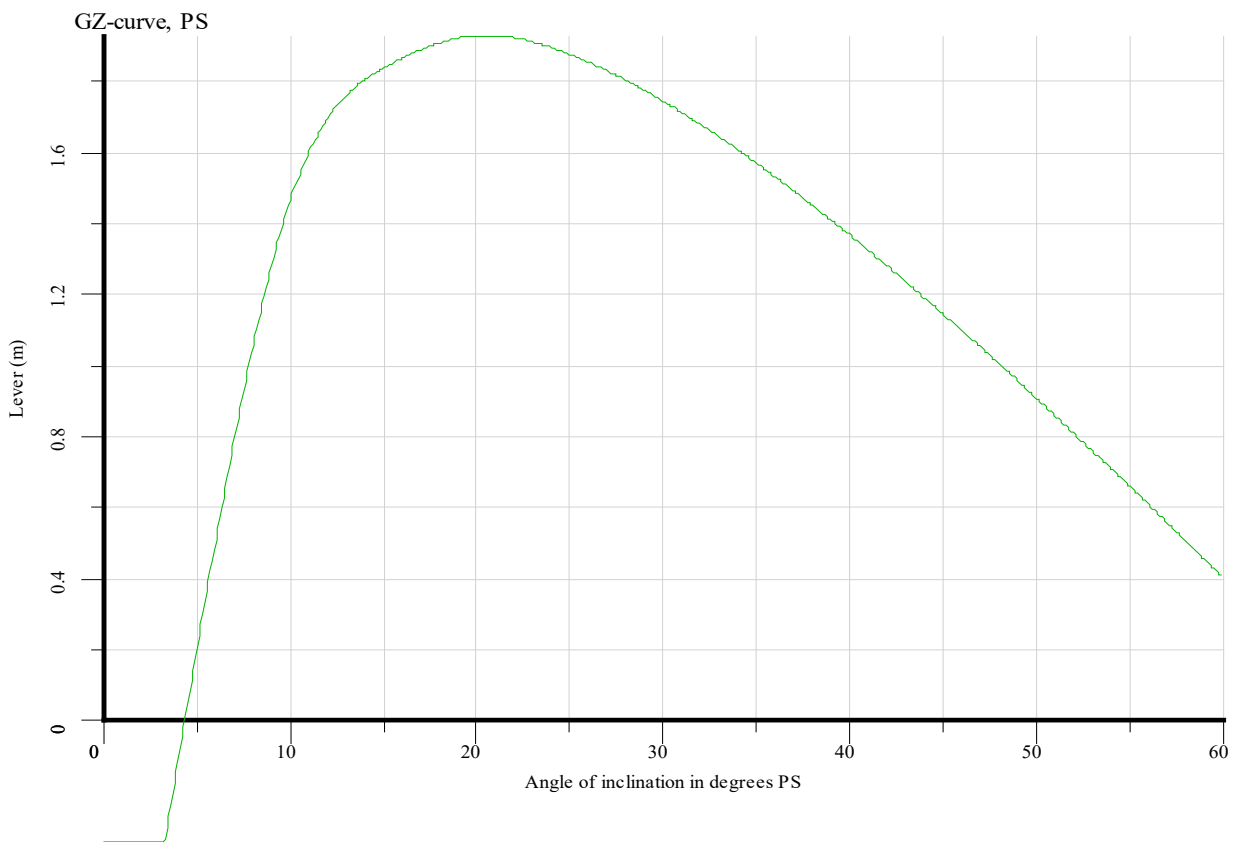
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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2L PS in 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6448	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.6777	meter
This damage case complies with the stated criteria				

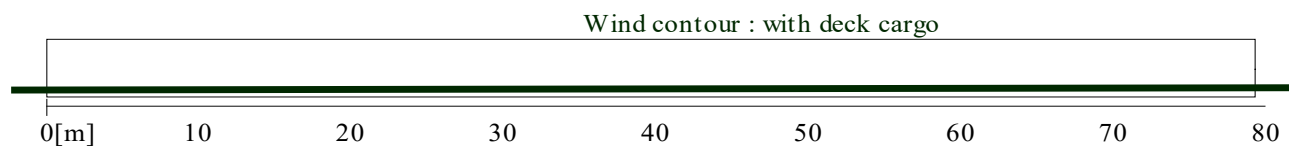
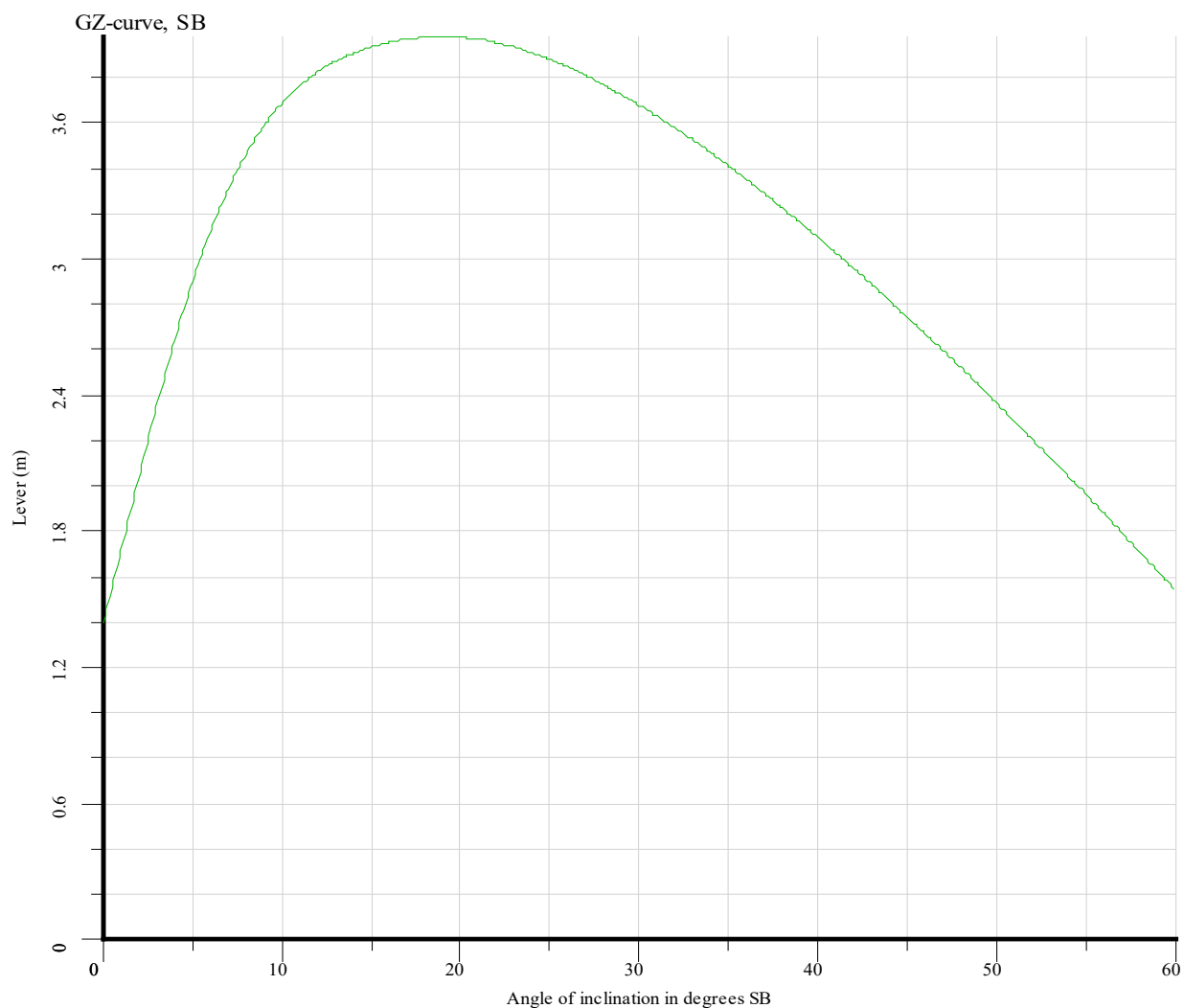


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	1/2L PS in 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

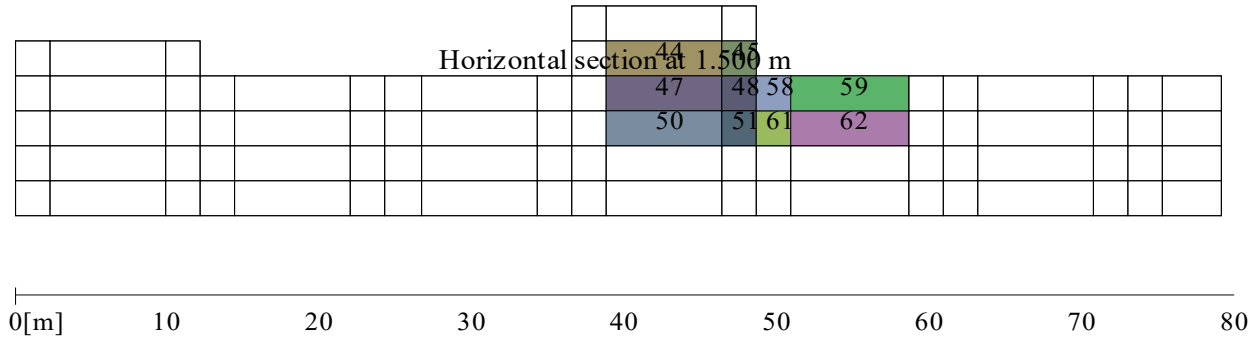


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case 1/2L PS in 2
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE PS 3

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.207 m
Marginline	mid aft PS	-1.132 m
Marginline	fore PS	-1.113 m
Marginline	aft PS	-0.762 m
Marginline	fore SB	-0.544 m
Marginline	mid fore SB	-0.355 m
Marginline	mid aft SB	-0.279 m
Marginline	aft SB	-0.052 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.207 m
Marginline	mid aft PS	-1.132 m
Marginline	fore PS	-1.113 m
Marginline	aft PS	-0.762 m
Marginline	fore SB	-0.544 m
Marginline	mid fore SB	-0.355 m
Marginline	mid aft SB	-0.279 m
Marginline	aft SB	-0.052 m

Damaged compartments and intact compartment weights (at 3.34° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	17.096	1.0000
24 A A	0.000	1.0000	5.275	1.0000
25 A	0.000	1.0000	14.577	1.0000
25 A A	0.000	1.0000	4.523	1.0000
26 A	0.000	1.0000	12.065	1.0000
26 A A	0.000	1.0000	3.772	1.0000
28	0.000	1.0000	5.389	1.0000
28 A	0.000	1.0000	9.099	1.0000
29	0.000	1.0000	4.631	1.0000
29 A	0.000	1.0000	7.845	1.0000
30	0.000	1.0000	3.875	1.0000
30 A	0.000	1.0000	6.592	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE PS 3
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(ϕ) m	Area mrad
60.00	PS	567.211	-3.140	8.061	-0.540	1.537
50.00	PS	567.211	-1.852	5.546	-1.081	1.395
40.00	PS	567.227	-1.011	3.907	-1.573	1.162
35.00	PS	567.282	-0.681	3.266	-1.790	1.016
30.00	PS	567.409	-0.390	2.704	-1.977	0.851
25.00	PS	567.629	-0.129	2.203	-2.123	0.672
20.00	PS	567.802	0.107	1.750	-2.201	0.482
15.00	PS	565.620	0.314	1.330	-2.143	0.292
10.00	PS	552.826	0.472	0.904	-1.773	0.116
5.00	PS	535.759	0.565	0.558	-0.560	0.008
3.34	PS	531.250	0.580	0.507	0.000	0.000
2.00	PS	527.611	0.593	0.465	0.474	0.006
0.00		522.286	0.611	0.408	1.165	0.034
2.00	SB	517.036	0.629	0.350	1.855	0.087
5.00	SB	508.583	0.652	0.262	2.832	0.211
10.00	SB	489.465	0.615	0.163	3.679	0.501
15.00	SB	475.022	0.485	0.073	3.974	0.837
20.00	SB	465.043	0.294	-0.022	4.033	1.188
25.00	SB	458.557	0.079	-0.121	3.921	1.536
30.00	SB	454.123	-0.155	-0.228	3.707	1.870
35.00	SB	450.858	-0.413	-0.347	3.431	2.182
40.00	SB	448.322	-0.705	-0.481	3.111	2.467
50.00	SB	444.546	-1.446	-0.821	2.374	2.948
60.00	SB	441.761	-2.581	-1.341	1.545	3.291

Statical angle of inclination is 3.34 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

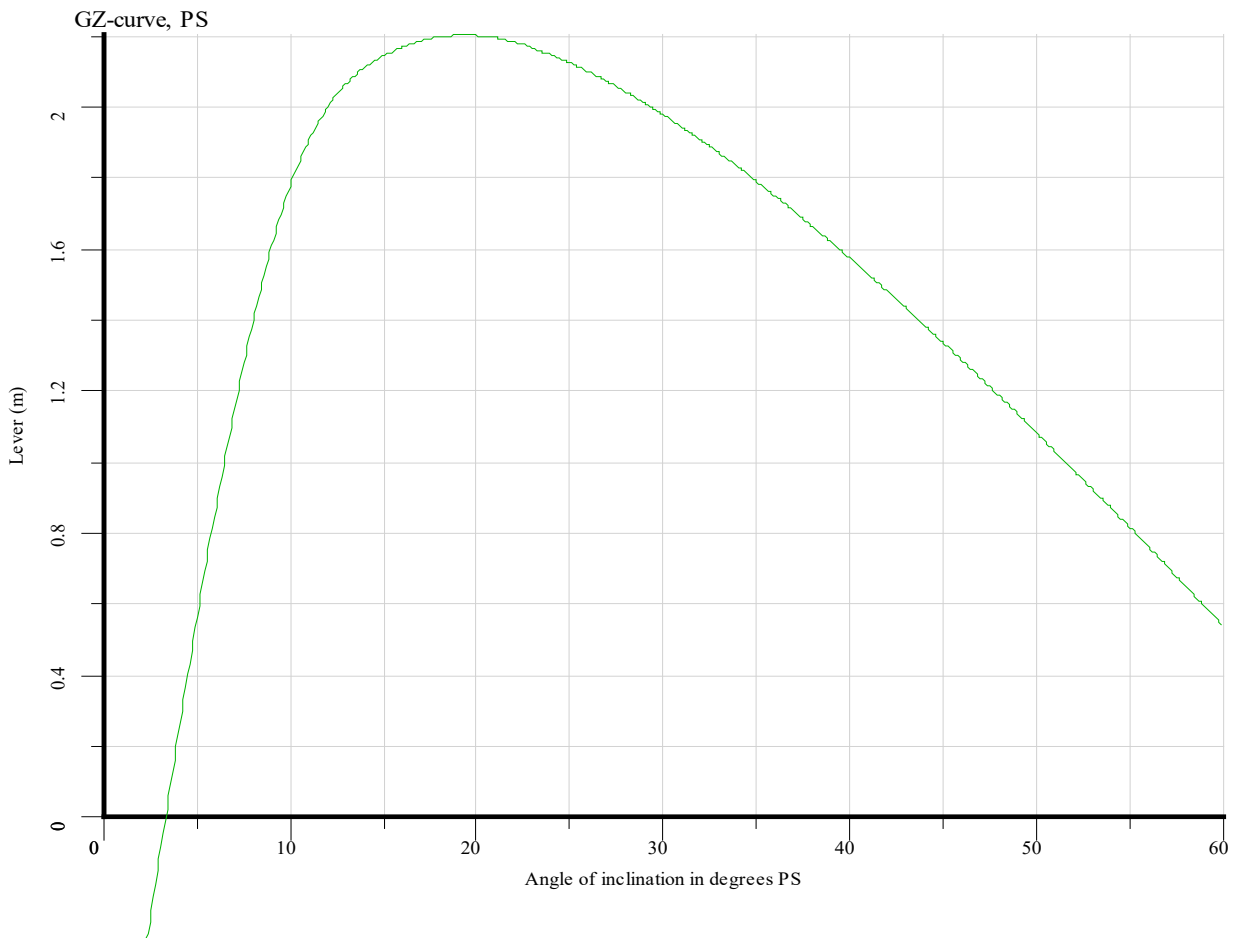
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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE PS 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7561	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.7853	meter
This damage case complies with the stated criteria				

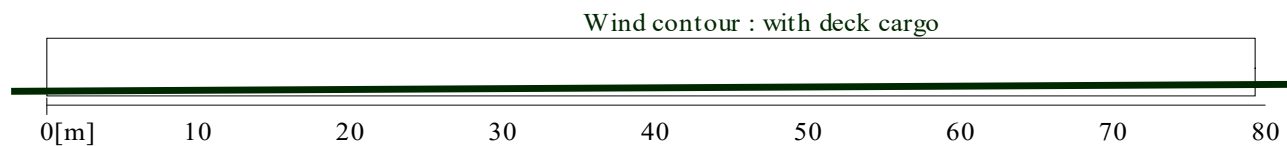
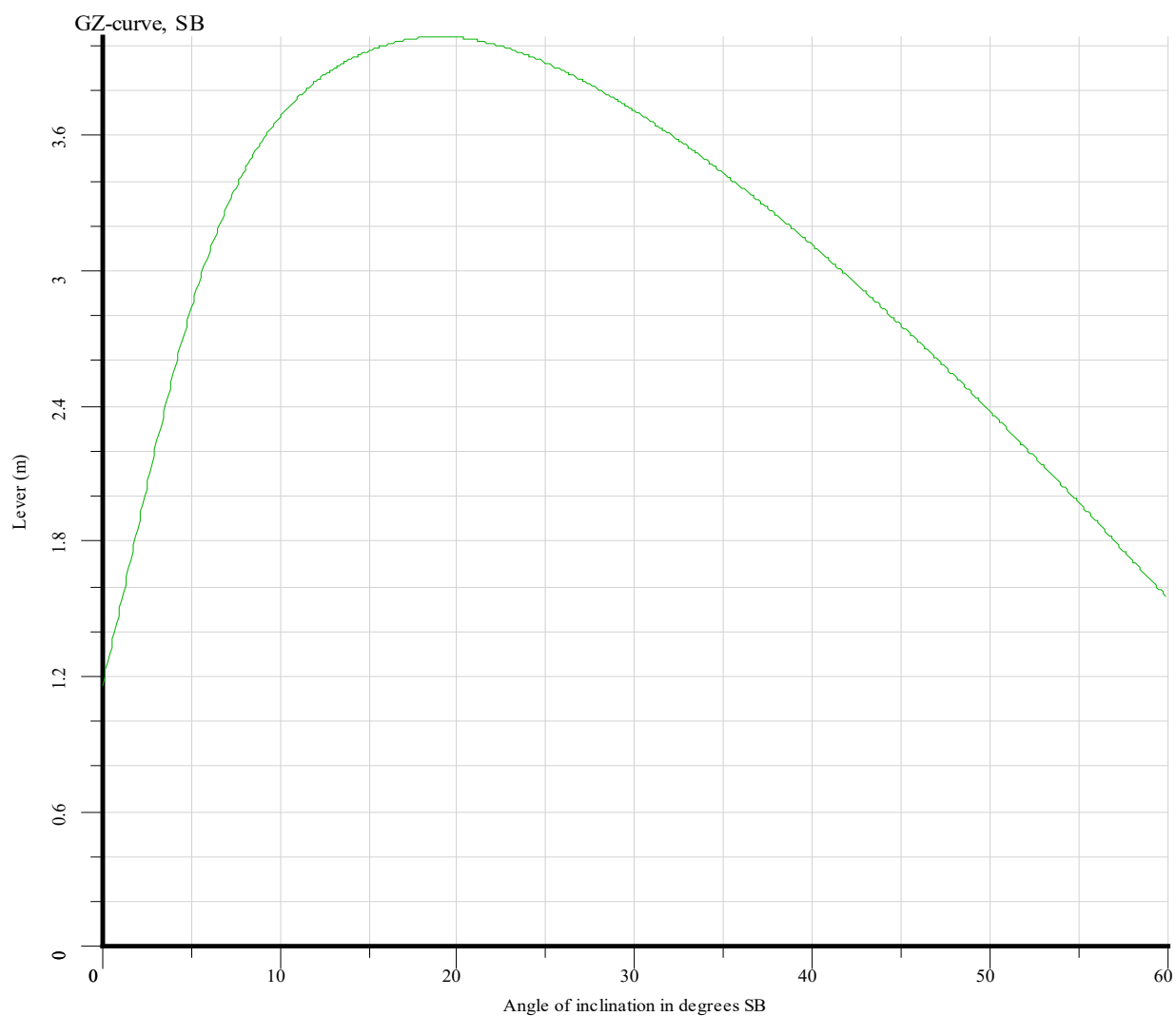


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



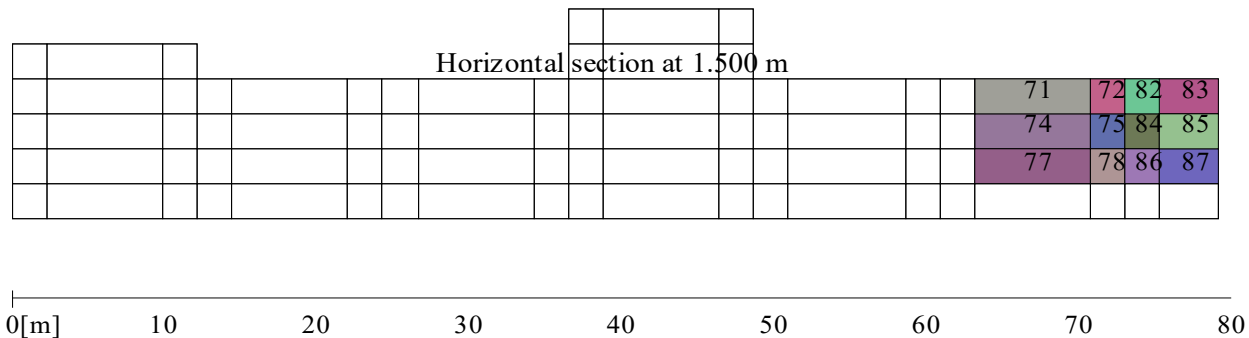
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE PS 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE PS 2

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.162 m
Marginline	mid aft PS	-1.118 m
Marginline	fore PS	-0.976 m
Marginline	aft PS	-0.839 m
Marginline	fore SB	-0.385 m
Marginline	mid fore SB	-0.275 m
Marginline	mid aft SB	-0.231 m
Marginline	aft SB	-0.099 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-1.162 m
Marginline	mid aft PS	-1.118 m
Marginline	fore PS	-0.976 m
Marginline	aft PS	-0.839 m
Marginline	fore SB	-0.385 m
Marginline	mid fore SB	-0.275 m
Marginline	mid aft SB	-0.231 m
Marginline	aft SB	-0.099 m

Damaged compartments and intact compartment weights (at 3.48° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
24 A	0.000	1.0000	15.185	1.0000
24 A A	0.000	1.0000	4.636	1.0000
25 A	0.000	1.0000	12.562	1.0000
25 A A	0.000	1.0000	3.852	1.0000
28	0.000	1.0000	4.714	1.0000
28 A	0.000	1.0000	7.911	1.0000
29	0.000	1.0000	3.923	1.0000
29 A	0.000	1.0000	6.601	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	565.916	-3.154	7.986	-0.539	1.519
50.00	PS	564.400	-1.873	5.437	-1.079	1.378
40.00	PS	561.680	-1.041	3.757	-1.568	1.146
35.00	PS	559.565	-0.715	3.092	-1.782	0.999
30.00	PS	556.689	-0.429	2.506	-1.965	0.836
25.00	PS	552.637	-0.173	1.982	-2.104	0.658
20.00	PS	546.454	0.058	1.505	-2.170	0.471
15.00	PS	535.924	0.264	1.072	-2.097	0.283
10.00	PS	519.970	0.429	0.675	-1.736	0.112
5.00	PS	501.285	0.523	0.350	-0.518	0.007
3.48	PS	495.783	0.535	0.297	0.000	0.000
2.00	PS	490.448	0.547	0.245	0.528	0.007
0.00		483.251	0.563	0.176	1.223	0.037
2.00	SB	476.090	0.579	0.107	1.916	0.092
5.00	SB	464.629	0.596	-0.003	2.868	0.219
10.00	SB	446.597	0.549	-0.155	3.660	0.510
15.00	SB	439.101	0.415	-0.263	3.919	0.843
20.00	SB	436.542	0.227	-0.343	3.971	1.188
25.00	SB	436.360	0.013	-0.436	3.878	1.531
30.00	SB	436.360	-0.220	-0.540	3.676	1.862
35.00	SB	436.365	-0.478	-0.655	3.408	2.171
40.00	SB	436.363	-0.769	-0.785	3.092	2.455
50.00	SB	436.333	-1.508	-1.114	2.362	2.933
60.00	SB	436.360	-2.640	-1.621	1.538	3.274

Statical angle of inclination is 3.48 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

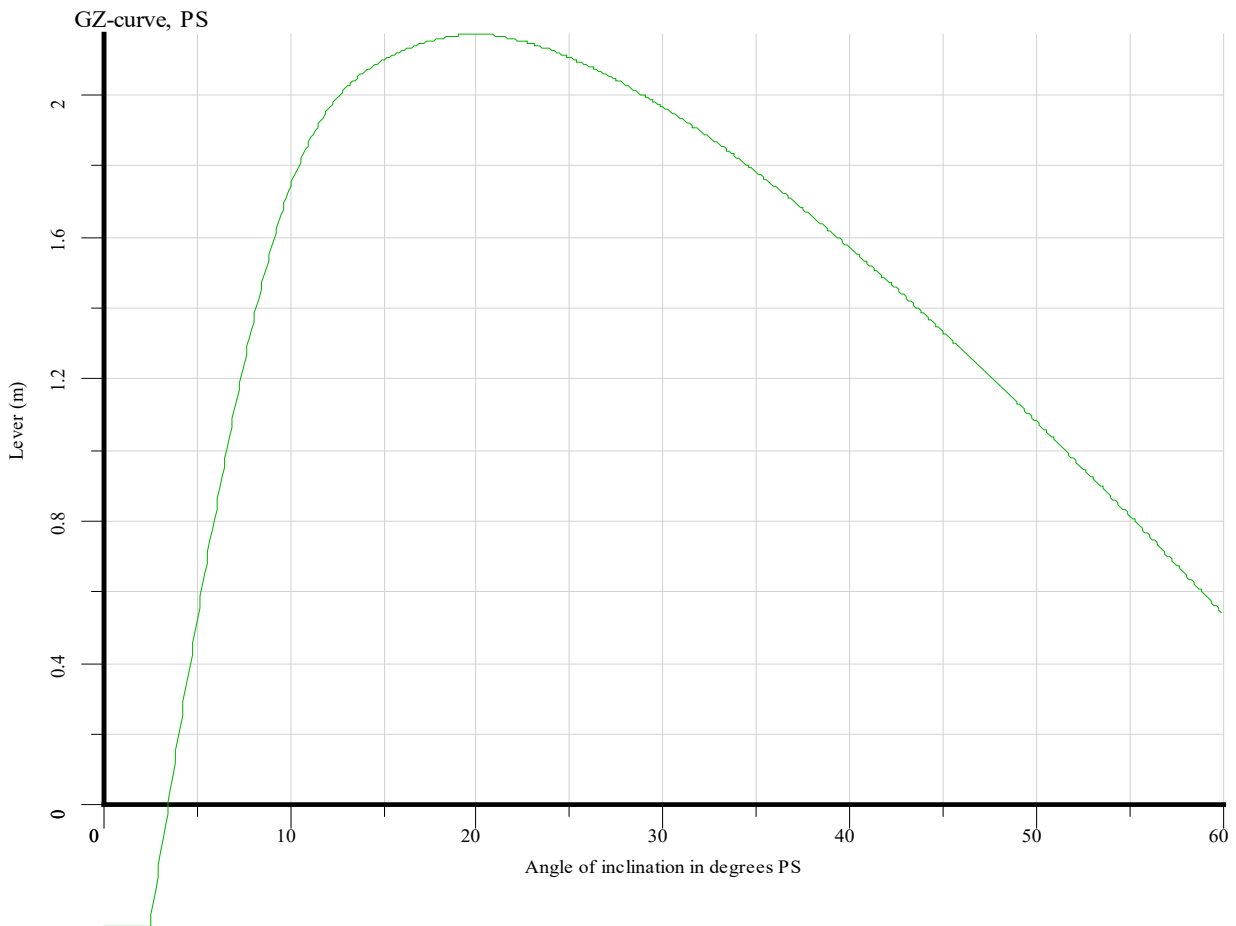
19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE PS 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8007	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.8304	meter
This damage case complies with the stated criteria				

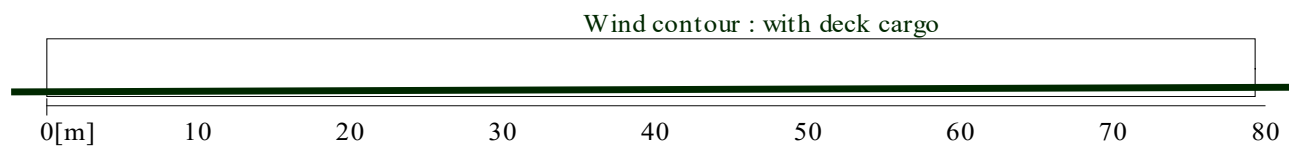
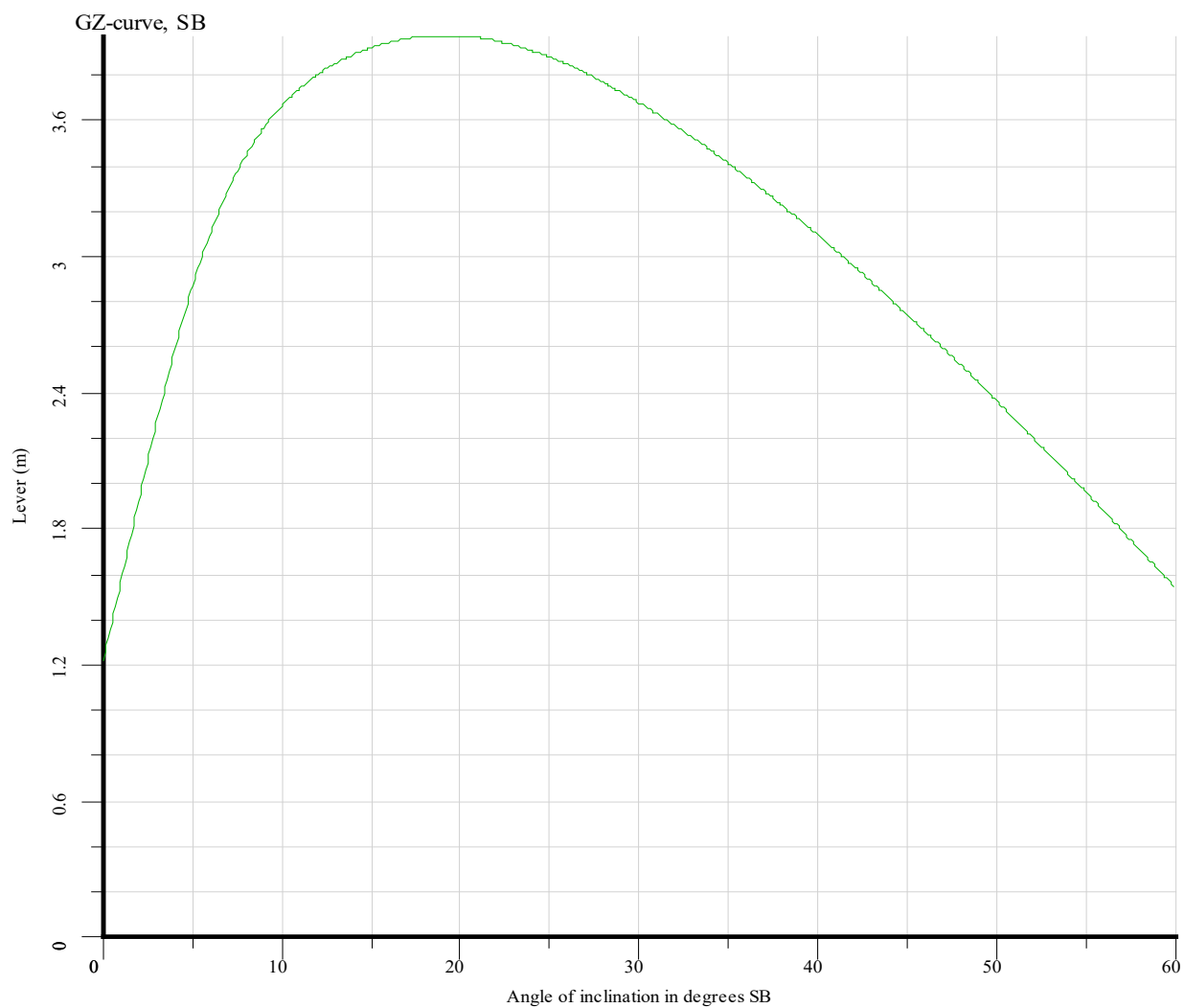


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE PS 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

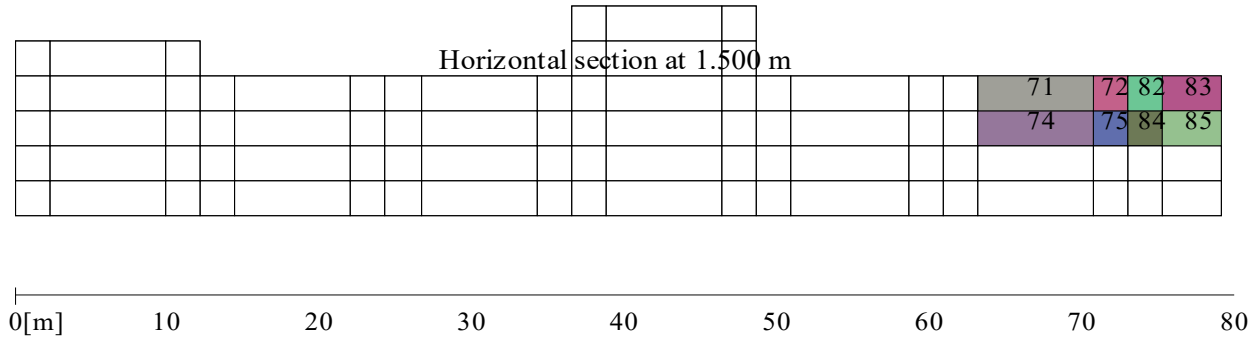


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE PS 2
Stage of flooding 100%
Intact displacement 436.360 ton
Intact VCG 2.139 m
Intact LCG 37.402 m
Intact TCG -0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE SB 3

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.966 m
Marginline	fore PS	-0.933 m
Marginline	mid aft PS	-0.909 m
Marginline	aft PS	-0.651 m
Marginline	fore SB	-0.582 m
Marginline	mid fore SB	-0.439 m
Marginline	mid aft SB	-0.382 m
Marginline	aft SB	-0.211 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.966 m
Marginline	fore PS	-0.933 m
Marginline	mid aft PS	-0.909 m
Marginline	aft PS	-0.651 m
Marginline	fore SB	-0.582 m
Marginline	mid fore SB	-0.439 m
Marginline	mid aft SB	-0.382 m
Marginline	aft SB	-0.211 m

Damaged compartments and intact compartment weights (at 2.07° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
25 A	0.000	1.0000	13.140	1.0000
25 A A	0.000	1.0000	4.050	1.0000
26 A	0.000	1.0000	11.589	1.0000
26 A A	0.000	1.0000	3.587	1.0000
27 A	0.000	1.0000	10.038	1.0000
27 A A	0.000	1.0000	3.123	1.0000
29	0.000	1.0000	4.136	1.0000
29 A	0.000	1.0000	6.980	1.0000
30	0.000	1.0000	3.669	1.0000
30 A	0.000	1.0000	6.206	1.0000
31	0.000	1.0000	3.202	1.0000
31 A	0.000	1.0000	5.433	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	436.399	-4.584	1.083	-0.670	1.766
50.00	PS	437.277	-2.839	0.778	-1.248	1.598
40.00	PS	439.571	-1.694	0.607	-1.771	1.333
35.00	PS	441.455	-1.241	0.547	-1.999	1.169
30.00	PS	444.110	-0.841	0.501	-2.194	0.985
25.00	PS	447.931	-0.483	0.472	-2.347	0.787
20.00	PS	453.216	-0.164	0.438	-2.436	0.577
15.00	PS	460.507	0.119	0.376	-2.402	0.365
10.00	PS	472.830	0.360	0.326	-2.089	0.165
5.00	PS	496.144	0.517	0.320	-0.974	0.025
2.07	PS	511.512	0.572	0.371	0.000	0.000
2.00	PS	511.857	0.573	0.372	0.023	0.000
0.00		522.286	0.611	0.408	0.684	0.012
2.00	SB	532.789	0.648	0.443	1.346	0.048
5.00	SB	548.647	0.702	0.506	2.294	0.144
10.00	SB	573.030	0.725	0.726	3.164	0.388
15.00	SB	590.020	0.679	1.064	3.568	0.684
20.00	SB	597.031	0.598	1.466	3.638	1.000
25.00	SB	600.126	0.499	1.909	3.532	1.314
30.00	SB	601.060	0.386	2.380	3.331	1.614
35.00	SB	601.167	0.258	2.889	3.073	1.894
40.00	SB	601.167	0.113	3.463	2.774	2.149
50.00	SB	601.167	-0.256	4.918	2.089	2.575
60.00	SB	601.167	-0.821	7.148	1.324	2.874

Statical angle of inclination is 2.07 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

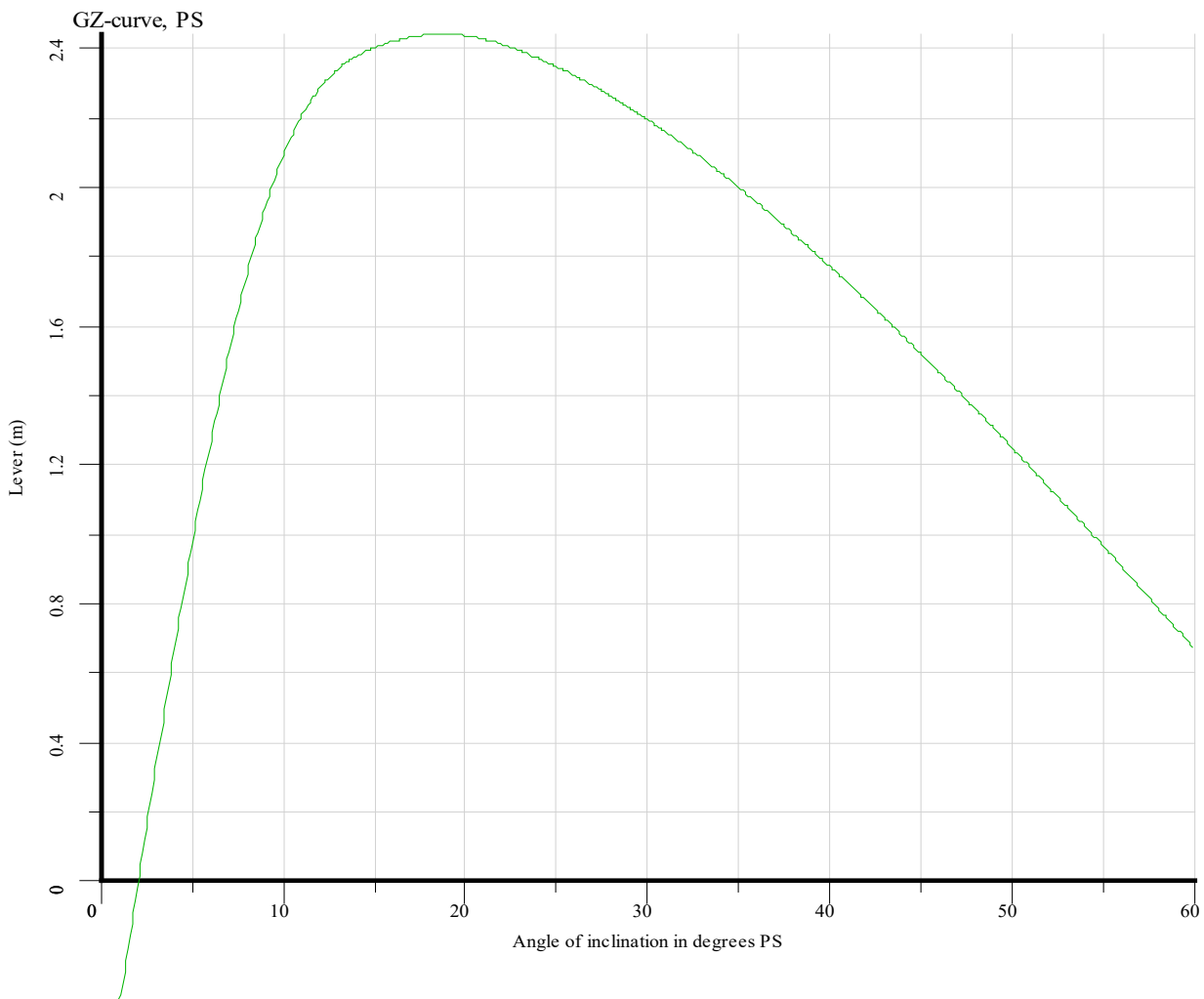
19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE SB 3
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	0.9994	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0267	meter
This damage case complies with the stated criteria				

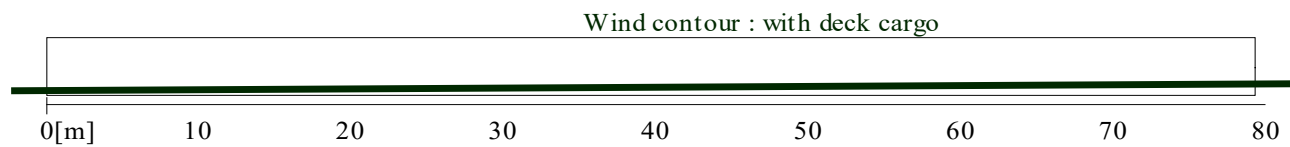
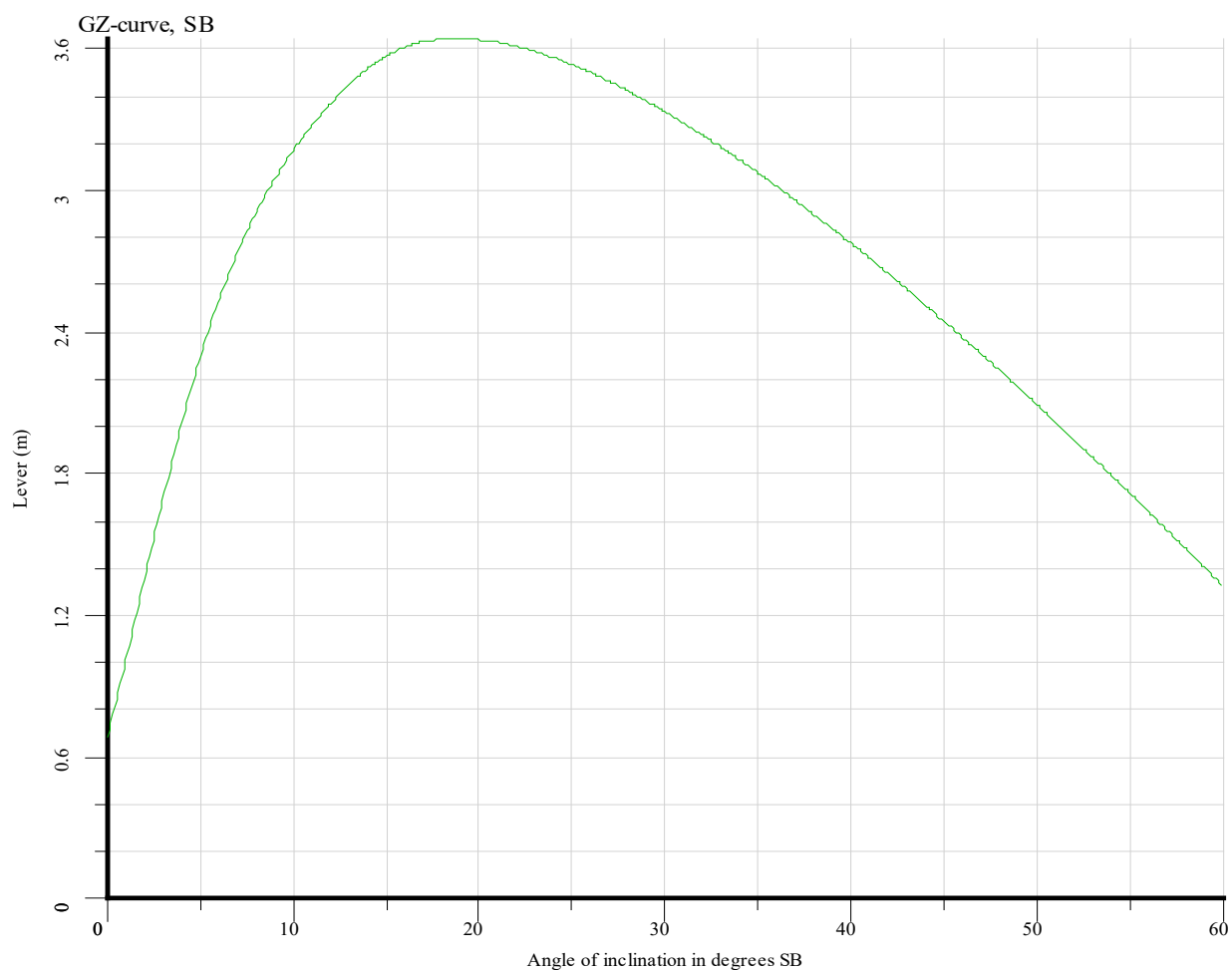


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



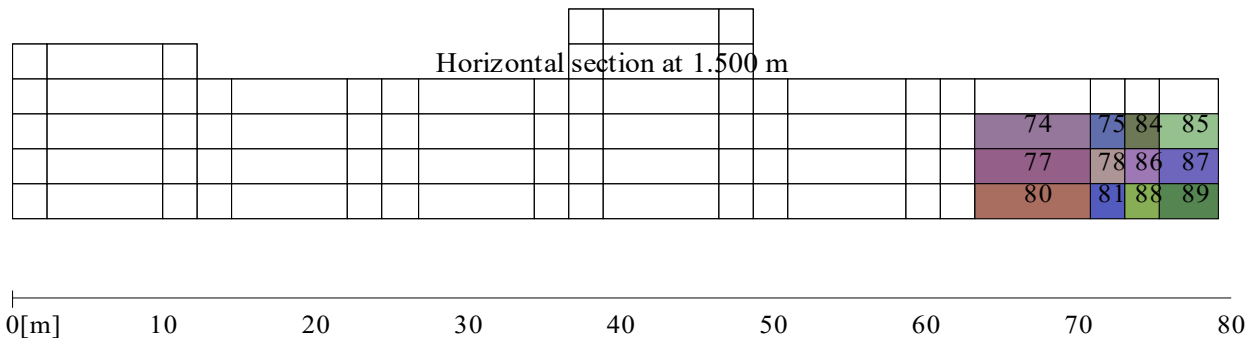
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE SB 3
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE SB 2

Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Openings calculated to PS

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.898 m
Marginline	mid aft PS	-0.876 m
Marginline	fore PS	-0.774 m
Marginline	aft PS	-0.722 m
Marginline	fore SB	-0.416 m
Marginline	mid fore SB	-0.361 m
Marginline	mid aft SB	-0.340 m
Marginline	aft SB	-0.274 m

Openings calculated to SB

Type of opening/point	Name	Distance WL
Marginline	mid fore PS	-0.898 m
Marginline	mid aft PS	-0.876 m
Marginline	fore PS	-0.774 m
Marginline	aft PS	-0.722 m
Marginline	fore SB	-0.416 m
Marginline	mid fore SB	-0.361 m
Marginline	mid aft SB	-0.340 m
Marginline	aft SB	-0.274 m

Damaged compartments and intact compartment weights (at 2.10° PS) :

Name	Wintact ton	SWintact ton/m ³	Wdamag. ton	SWdam. ton/m ³
26 A	0.000	1.0000	9.327	1.0000
26 A A	0.000	1.0000	2.835	1.0000
27 A	0.000	1.0000	7.740	1.0000
27 A A	0.000	1.0000	2.361	1.0000
30	0.000	1.0000	2.876	1.0000
30 A	0.000	1.0000	4.815	1.0000
31	0.000	1.0000	2.399	1.0000
31 A	0.000	1.0000	4.024	1.0000

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m

Angle degrees		Displacement ton	Draft m	Trim m	GNsin(φ) m	Area mrad
60.00	PS	436.335	-4.585	1.081	-0.670	1.745
50.00	PS	436.379	-2.846	0.742	-1.246	1.577
40.00	PS	436.362	-1.711	0.523	-1.763	1.314
35.00	PS	436.360	-1.264	0.437	-1.986	1.150
30.00	PS	436.360	-0.869	0.363	-2.174	0.968
25.00	PS	436.366	-0.519	0.301	-2.317	0.772
20.00	PS	436.360	-0.209	0.226	-2.397	0.566
15.00	PS	436.755	0.066	0.130	-2.354	0.357
10.00	PS	441.212	0.308	0.070	-2.033	0.162
5.00	PS	458.197	0.470	0.094	-0.964	0.025
2.10	PS	472.744	0.524	0.142	0.000	0.000
2.00	PS	473.260	0.526	0.143	0.036	0.000
0.00		483.253	0.563	0.176	0.698	0.013
2.00	SB	493.278	0.600	0.209	1.360	0.049
5.00	SB	508.071	0.651	0.259	2.300	0.146
10.00	SB	531.319	0.672	0.449	3.159	0.389
15.00	SB	549.991	0.614	0.718	3.533	0.684
20.00	SB	559.907	0.513	1.040	3.611	0.997
25.00	SB	566.134	0.398	1.416	3.511	1.309
30.00	SB	570.354	0.273	1.828	3.315	1.607
35.00	SB	573.390	0.134	2.282	3.060	1.886
40.00	SB	575.680	-0.024	2.793	2.764	2.140
50.00	SB	578.871	-0.425	4.081	2.081	2.565
60.00	SB	580.867	-1.045	6.033	1.318	2.862

Statical angle of inclination is 2.10 degrees to portside

Wind contour with deck cargo

Additional heeling moment is -416.824 tonm

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

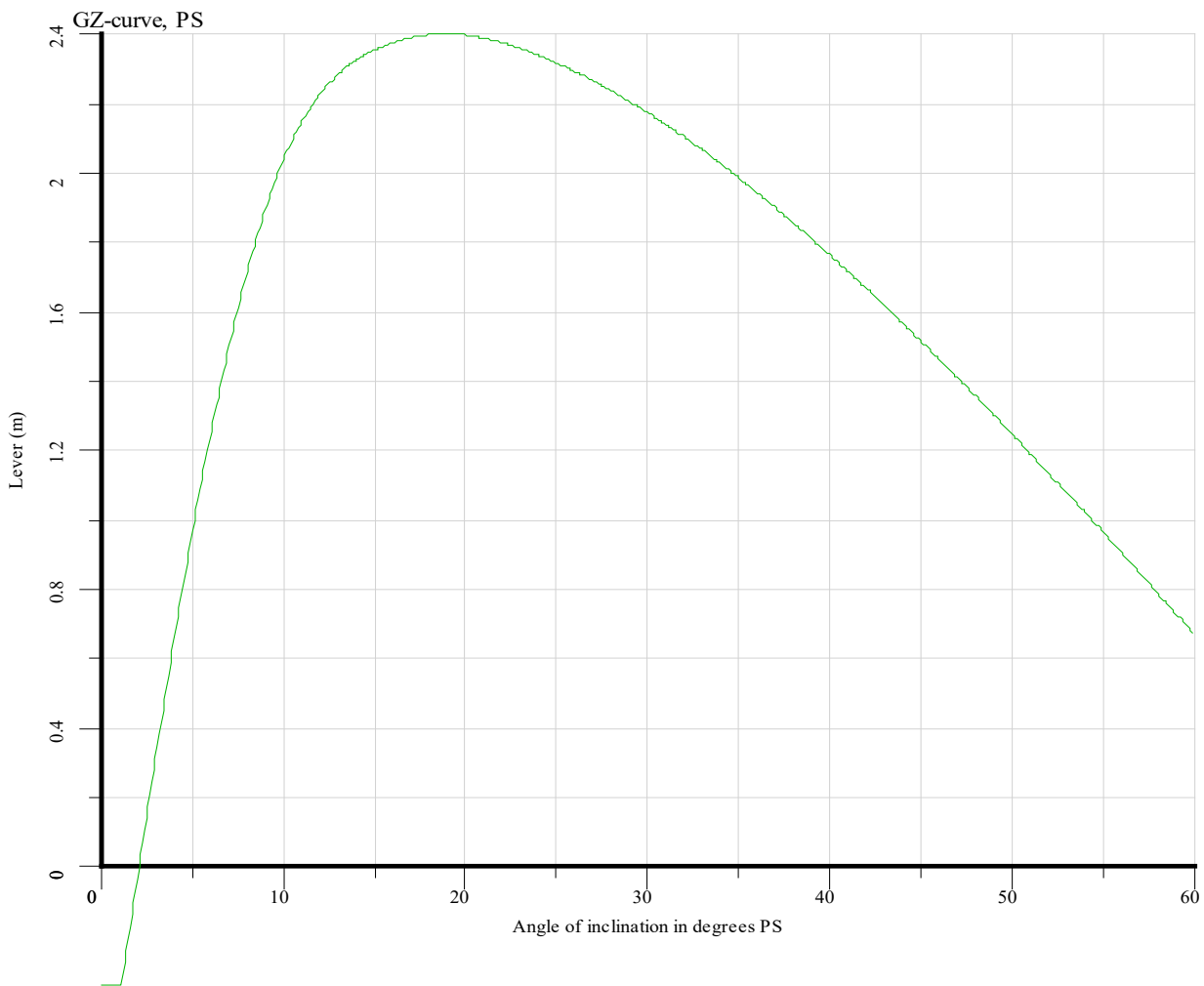
19 Jan 2024 13:34:29

Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case FORE SB 2
Stage of flooding 100%

Verification against the stability criteria "Residual freeboard >0.1 m"

Criteria calculated to PS		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0673	meter
Criteria calculated to SB		Criterion	Value	
Distance between waterline and deck due to wind- and passenger moment		0.1000	1.0950	meter
This damage case complies with the stated criteria				

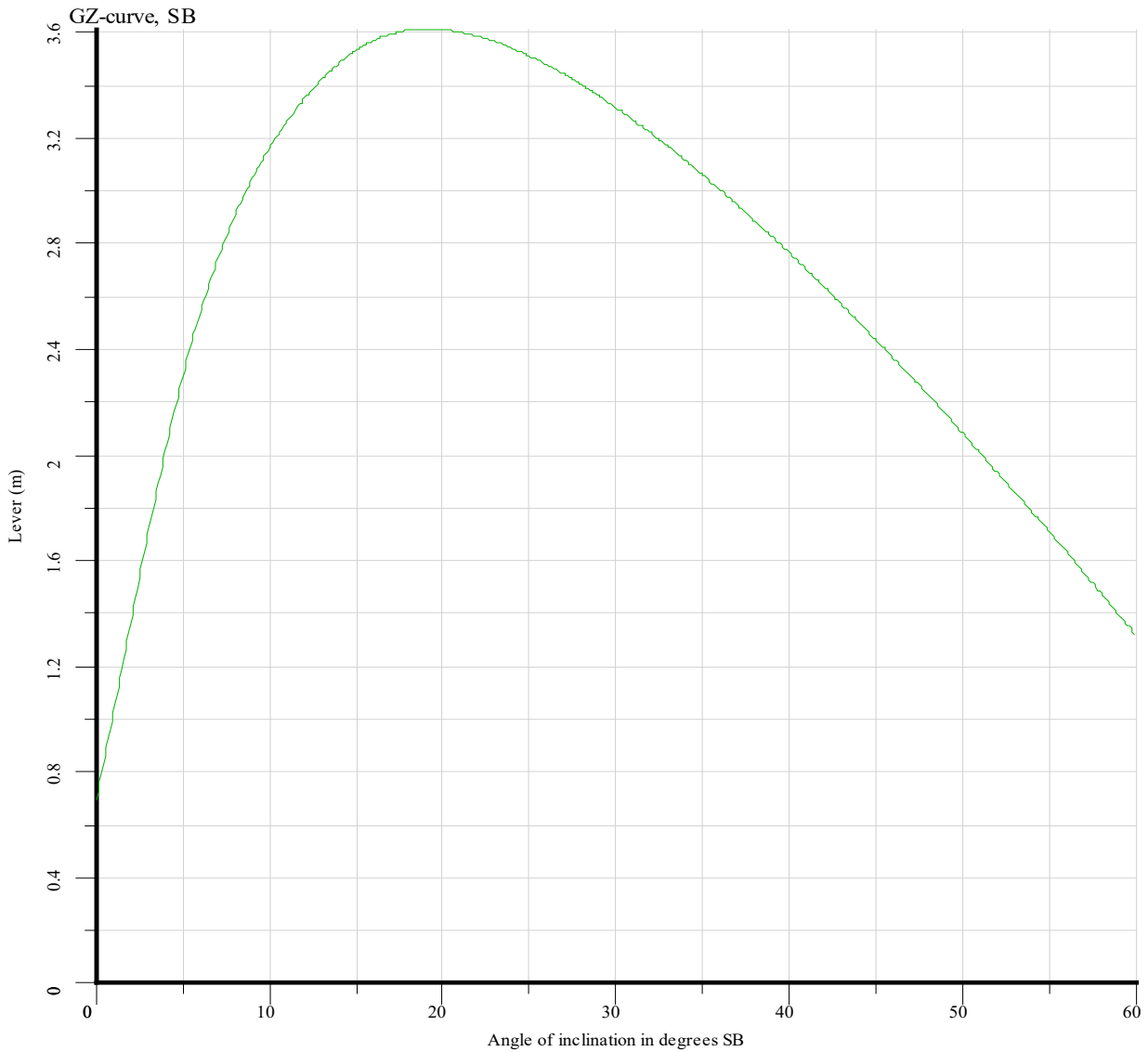


FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



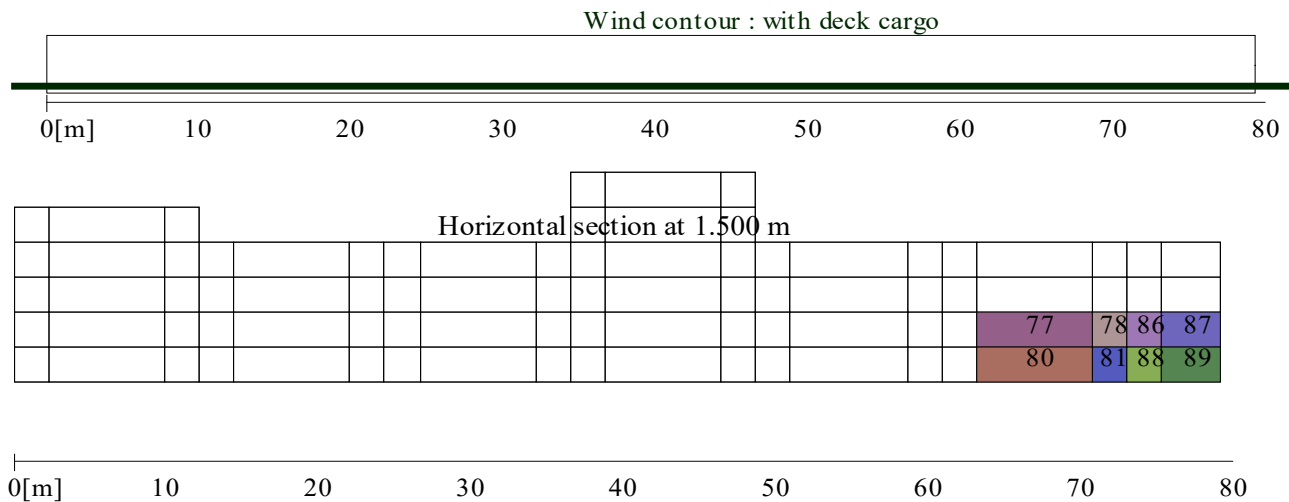
FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

Damage case	FORE SB 2
Stage of flooding	100%
Intact displacement	436.360 ton
Intact VCG	2.139 m
Intact LCG	37.402 m
Intact TCG	-0.773 m



Summary of damage stability

FLOODABILITY AND DAMAGE STABILITY pontoon 79.25x14.63x1.98m

19 Jan 2024 14:30:12

Loading condition : Pontoon with equipment

Loading condition 'Pontoon with equipment' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.489 m	Trim: -0.393 m	Angle: 1.13° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1361	0.1000	1.1619	meter
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.534 m	Trim: -0.476 m	Angle: 1.23° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1160	0.1000	1.0889	meter
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.484 m	Trim: -0.265 m	Angle: 1.01° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.2900	0.1000	1.2635	meter
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.461 m	Trim: 0.020 m	Angle: 1.76° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1984	0.1000	1.2381	meter
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.474 m	Trim: -0.008 m	Angle: 0.97° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.3265	0.1000	1.3583	meter
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.463 m	Trim: 0.094 m	Angle: 1.81° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1775	0.1000	1.2179	meter
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.477 m	Trim: 0.106 m	Angle: 1.03° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.3001	0.1000	1.3328	meter
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.506 m	Trim: 0.453 m	Angle: 0.41° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.2038	0.1000	1.2205	meter
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.462 m	Trim: 0.256 m	Angle: 0.57° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.3329	0.1000	1.3504	meter
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.525 m	Trim: 0.456 m	Angle: 0.84° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1652	0.1000	1.1443	meter
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.481 m	Trim: 0.249 m	Angle: 0.80° SB					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.3157	0.1000	1.2946	meter

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:30:13

Loading condition : Pontoon with equipment & 2155 passengers (max passengers)

Loading condition 'Pontoon with equipment & 2155 passengers (max passengers)' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.709 m	Trim: -0.566 m	Angle: 1.70° PS	0.1000	0.7565	0.1000	0.7816	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.784 m	Trim: -0.720 m	Angle: 1.99° SB	0.1000	0.6793	0.1000	0.6532	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.710 m	Trim: -0.408 m	Angle: 1.68° SB	0.1000	0.9353	0.1000	0.9095	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.669 m	Trim: 0.036 m	Angle: 2.69° PS	0.1000	0.8281	0.1000	0.8690	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.687 m	Trim: -0.007 m	Angle: 1.44° PS	0.1000	1.0320	0.1000	1.0635	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.671 m	Trim: 0.144 m	Angle: 2.79° PS	0.1000	0.7963	0.1000	0.8379	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.692 m	Trim: 0.160 m	Angle: 1.54° PS	0.1000	0.9915	0.1000	1.0239	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.734 m	Trim: 0.665 m	Angle: 0.63° PS	0.1000	0.8507	0.1000	0.8669	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.671 m	Trim: 0.377 m	Angle: 0.85° PS	0.1000	1.0389	0.1000	1.0559	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.764 m	Trim: 0.669 m	Angle: 1.29° SB	0.1000	0.7802	0.1000	0.7599	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.701 m	Trim: 0.368 m	Angle: 1.24° SB	0.1000	0.9990	0.1000	0.9785	meter
	1 Distance between waterline and deck due to wind- and passenger moment							

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:30:13

Loading condition : Pontoon with equipment & 2155 passengers to PS

Loading condition 'Pontoon with equipment & 2155 passengers to PS' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.694 m	Trim: -0.630 m	Angle: 4.74° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.3508	0.1000	0.3775	meter
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.714 m	Trim: -0.544 m	Angle: 1.24° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.8270	0.1000	0.8427	meter
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.645 m	Trim: -0.252 m	Angle: 1.54° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.0036	0.1000	1.0204	meter
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.656 m	Trim: 0.098 m	Angle: 6.42° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.1908	0.1000	0.2315	meter
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.670 m	Trim: 0.034 m	Angle: 4.47° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.5272	0.1000	0.5589	meter
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.659 m	Trim: 0.249 m	Angle: 6.59° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.1412	0.1000	0.1838	meter
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.676 m	Trim: 0.228 m	Angle: 4.59° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.4779	0.1000	0.5105	meter
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.709 m	Trim: 0.747 m	Angle: 3.42° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.5889	0.1000	0.6176	meter
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.649 m	Trim: 0.472 m	Angle: 3.62° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6447	0.1000	0.6742	meter
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.708 m	Trim: 0.616 m	Angle: 1.69° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.8140	0.1000	0.8242	meter
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.645 m	Trim: 0.319 m	Angle: 1.74° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9872	0.1000	1.0149	meter

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:30:14

Loading condition : Pontoon with equipment & 2155 passengers to SB

Loading condition 'Pontoon with equipment & 2155 passengers to SB' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.716 m	Trim: -0.538 m	Angle: 0.34° PS	0.1000	0.9383	0.1000	0.9644	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.814 m	Trim: -0.795 m	Angle: 3.38° SB	0.1000	0.4916	0.1000	0.4651	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.738 m	Trim: -0.475 m	Angle: 3.06° SB	0.1000	0.7539	0.1000	0.7279	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.673 m	Trim: 0.010 m	Angle: 1.00° PS	0.1000	1.1155	0.1000	1.1565	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.695 m	Trim: -0.025 m	Angle: 0.07° PS	0.1000	1.2516	0.1000	1.2690	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.675 m	Trim: 0.103 m	Angle: 1.08° PS	0.1000	1.0886	0.1000	1.1303	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.699 m	Trim: 0.130 m	Angle: 0.16° PS	0.1000	1.1934	0.1000	1.2113	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.746 m	Trim: 0.627 m	Angle: 0.67° SB	0.1000	0.8695	0.1000	0.8553	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.681 m	Trim: 0.333 m	Angle: 0.44° SB	0.1000	1.1014	0.1000	1.0876	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.787 m	Trim: 0.693 m	Angle: 2.56° SB	0.1000	0.6355	0.1000	0.6153	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.724 m	Trim: 0.389 m	Angle: 2.50° SB	0.1000	0.8568	0.1000	0.8366	meter
	1 Distance between waterline and deck due to wind- and passenger moment							

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:30:15

Loading condition : Pontoon with equipment & passengers 2-7 to PS

Loading condition 'Pontoon with equipment & passengers 2-7 to PS' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.648 m	Trim: -0.381 m	Angle: 4.41° PS	0.1000	0.5476	0.1000	0.5797	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.656 m	Trim: -0.268 m	Angle: 1.52° PS	0.1000	0.9874	0.1000	1.0033	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.598 m	Trim: -0.024 m	Angle: 1.77° PS	0.1000	1.0654	0.1000	1.0953	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.621 m	Trim: 0.266 m	Angle: 6.22° PS	0.1000	0.2402	0.1000	0.2824	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.635 m	Trim: 0.198 m	Angle: 4.32° PS	0.1000	0.5695	0.1000	0.6015	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.625 m	Trim: 0.416 m	Angle: 6.45° PS	0.1000	0.1794	0.1000	0.2240	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.644 m	Trim: 0.388 m	Angle: 4.47° PS	0.1000	0.5122	0.1000	0.5449	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.685 m	Trim: 0.958 m	Angle: 3.41° PS	0.1000	0.5213	0.1000	0.5379	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.623 m	Trim: 0.661 m	Angle: 3.60° PS	0.1000	0.6507	0.1000	0.6805	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.688 m	Trim: 0.822 m	Angle: 1.56° PS	0.1000	0.7416	0.1000	0.7519	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.622 m	Trim: 0.507 m	Angle: 1.62° PS	0.1000	0.9606	0.1000	0.9713	meter
	1 Distance between waterline and deck due to wind- and passenger moment							

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers 1-4 to PS

Loading condition 'Pontoon with equipment & passengers 1-4 to PS' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.626 m	Trim: -0.939 m	Angle: 5.03° PS	0.1000	0.2243	0.1000	0.2548	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.649 m	Trim: -0.819 m	Angle: 1.35° PS	0.1000	0.7413	0.1000	0.7570	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.578 m	Trim: -0.516 m	Angle: 1.65° PS	0.1000	0.9248	0.1000	0.9413	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.577 m	Trim: -0.173 m	Angle: 6.28° PS	0.1000	0.2975	0.1000	0.3392	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.593 m	Trim: -0.223 m	Angle: 4.43° PS	0.1000	0.6055	0.1000	0.6371	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.578 m	Trim: -0.038 m	Angle: 6.33° PS	0.1000	0.2915	0.1000	0.3340	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.593 m	Trim: -0.053 m	Angle: 4.48° PS	0.1000	0.6032	0.1000	0.6352	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.603 m	Trim: 0.301 m	Angle: 3.37° PS	0.1000	0.7526	0.1000	0.7818	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.561 m	Trim: 0.111 m	Angle: 3.51° PS	0.1000	0.7918	0.1000	0.8216	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.592 m	Trim: 0.165 m	Angle: 2.19° PS	0.1000	0.9811	0.1000	1.0088	meter
	1 Distance between waterline and deck due to wind- and passenger moment							
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.548 m	Trim: -0.046 m	Angle: 2.23° PS	0.1000	1.0365	0.1000	1.0649	meter
	1 Distance between waterline and deck due to wind- and passenger moment							

FLOODABILITY AND DAMAGE STABILITY
pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers fore & aft ship to PS

Loading condition 'Pontoon with equipment & passengers fore & aft ship to PS' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.584 m	Trim: -0.421 m	Angle: 4.14° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6433	0.1000	0.6697	meter
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.589 m	Trim: -0.307 m	Angle: 1.51° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.0372	0.1000	1.0530	meter
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.535 m	Trim: -0.079 m	Angle: 1.73° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.1326	0.1000	1.1623	meter
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.556 m	Trim: 0.180 m	Angle: 5.73° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.3992	0.1000	0.4423	meter
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.569 m	Trim: 0.121 m	Angle: 4.00° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6974	0.1000	0.7296	meter
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.559 m	Trim: 0.314 m	Angle: 5.90° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.3499	0.1000	0.3952	meter
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.576 m	Trim: 0.291 m	Angle: 4.12° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6499	0.1000	0.6827	meter
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.608 m	Trim: 0.780 m	Angle: 3.17° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.7070	0.1000	0.7234	meter
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.555 m	Trim: 0.527 m	Angle: 3.33° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.7799	0.1000	0.8098	meter
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.608 m	Trim: 0.651 m	Angle: 1.62° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9029	0.1000	0.9133	meter
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.551 m	Trim: 0.380 m	Angle: 1.67° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.0877	0.1000	1.1019	meter

FLOODABILITY AND DAMAGE STABILITY

pontoon 79.25x14.63x1.98m

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Loading condition : Pontoon with equipment & passengers on midship row 2-4 to PS

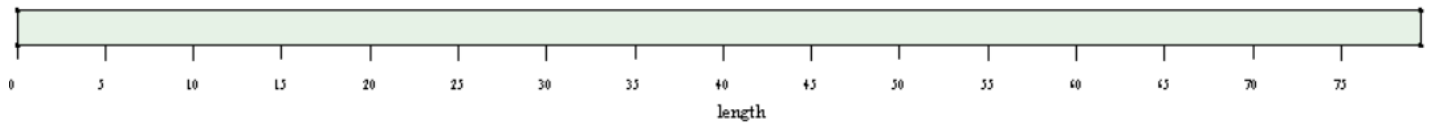
Loading condition 'Pontoon with equipment & passengers on midship row 2-4 to PS' complies with all calculated damage cases

Stage	Damage case: AFT PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.583 m	Trim: -0.673 m	Angle: 4.63° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.4544	0.1000	0.4828	meter
Stage	Damage case: AFT SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.591 m	Trim: -0.544 m	Angle: 1.62° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9019	0.1000	0.9176	meter
Stage	Damage case: AFT SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.531 m	Trim: -0.288 m	Angle: 1.87° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.0576	0.1000	1.0742	meter
Stage	Damage case: 1/2 L PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.543 m	Trim: -0.004 m	Angle: 6.06° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.3736	0.1000	0.4164	meter
Stage	Damage case: 1/2 L PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.558 m	Trim: -0.058 m	Angle: 4.27° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6725	0.1000	0.7043	meter
Stage	Damage case: 1/2L PS in 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.545 m	Trim: 0.129 m	Angle: 6.18° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.3369	0.1000	0.3821	meter
Stage	Damage case: 1/2L PS in 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.562 m	Trim: 0.107 m	Angle: 4.36° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.6448	0.1000	0.6777	meter
Stage	Damage case: FORE PS 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.580 m	Trim: 0.507 m	Angle: 3.34° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.7561	0.1000	0.7853	meter
Stage	Damage case: FORE PS 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.535 m	Trim: 0.297 m	Angle: 3.48° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.8007	0.1000	0.8304	meter
Stage	Damage case: FORE SB 3		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.572 m	Trim: 0.371 m	Angle: 2.07° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	0.9994	0.1000	1.0267	meter
Stage	Damage case: FORE SB 2		complies	Criterion PS	Value PS	Criterion SB	Value SB	Unit
100%	Draft: 0.524 m	Trim: 0.142 m	Angle: 2.10° PS					
	1 Distance between waterline and deck due to wind- and passenger moment			0.1000	1.0673	0.1000	1.0950	meter

6. WIND CALCULATIONS

CALCULATION OF WINDMOMENT pontoon 79.25x14.63x1.98m

19 Jan 2024 13:46:08



Wind data: 25.0 kg/m²

Contour: No deck cargo

Draft m	Displacement kg	Moment kgm	Heel.lev. m	Area m ²	Wind lev. m
0.300	258578	3305	0.013	133.526	0.990
0.350	301674	3206	0.011	129.552	0.990
0.400	344770	3108	0.009	125.578	0.990
0.450	387866	3010	0.008	121.604	0.990
0.500	430962	2911	0.007	117.630	0.990
0.550	474060	2813	0.006	113.656	0.990
0.600	517156	2715	0.005	109.682	0.990
0.650	560252	2616	0.005	105.708	0.990
0.700	603347	2518	0.004	101.734	0.990
0.750	646445	2420	0.004	97.760	0.990
0.800	689540	2321	0.003	93.786	0.990
0.850	732637	2223	0.003	89.812	0.990
0.900	775732	2125	0.003	85.838	0.990
0.950	818829	2026	0.002	81.864	0.990
1.000	861925	1928	0.002	77.890	0.990
1.050	905022	1829	0.002	73.916	0.990
1.100	948119	1731	0.002	69.942	0.990
1.150	991215	1633	0.002	65.968	0.990
1.200	1034312	1534	0.001	61.994	0.990
1.250	1077408	1436	0.001	58.020	0.990
1.300	1120504	1338	0.001	54.046	0.990
1.350	1163601	1239	0.001	50.072	0.990
1.400	1206695	1141	0.001	46.098	0.990
1.450	1249792	1043	0.001	42.124	0.990
1.500	1292889	944	0.001	38.150	0.990
1.550	1335984	846	0.001	34.176	0.990
1.600	1379081	748	0.001	30.202	0.990
1.650	1422176	649	0.000	26.228	0.990
1.700	1465274	551	0.000	22.254	0.990

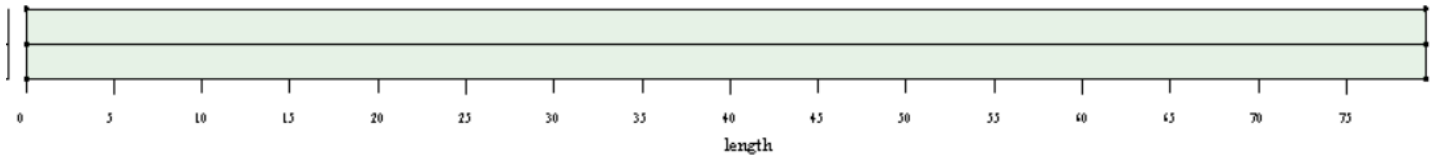
Pressure 25.00 kg/m²

Draft is from baseline.

Moment is calculated relative to the center of projected area underwater body.

CALCULATION OF WINDMOMENT pontoon 79.25x14.63x1.98m

19 Jan 2024 13:46:08



Wind data: 25.0 kg/m²

Contour: with deck cargo

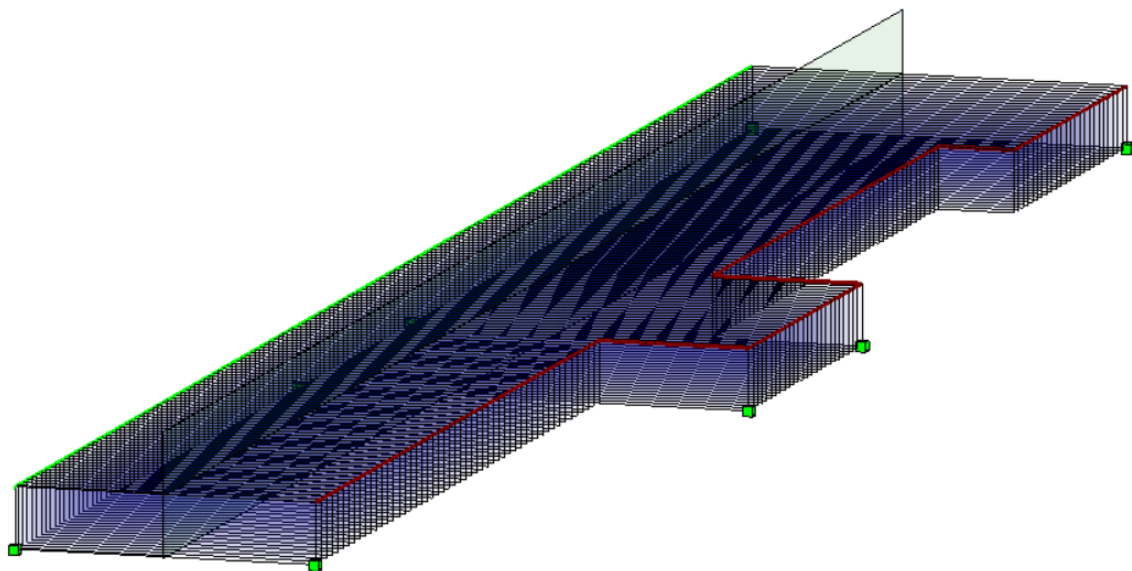
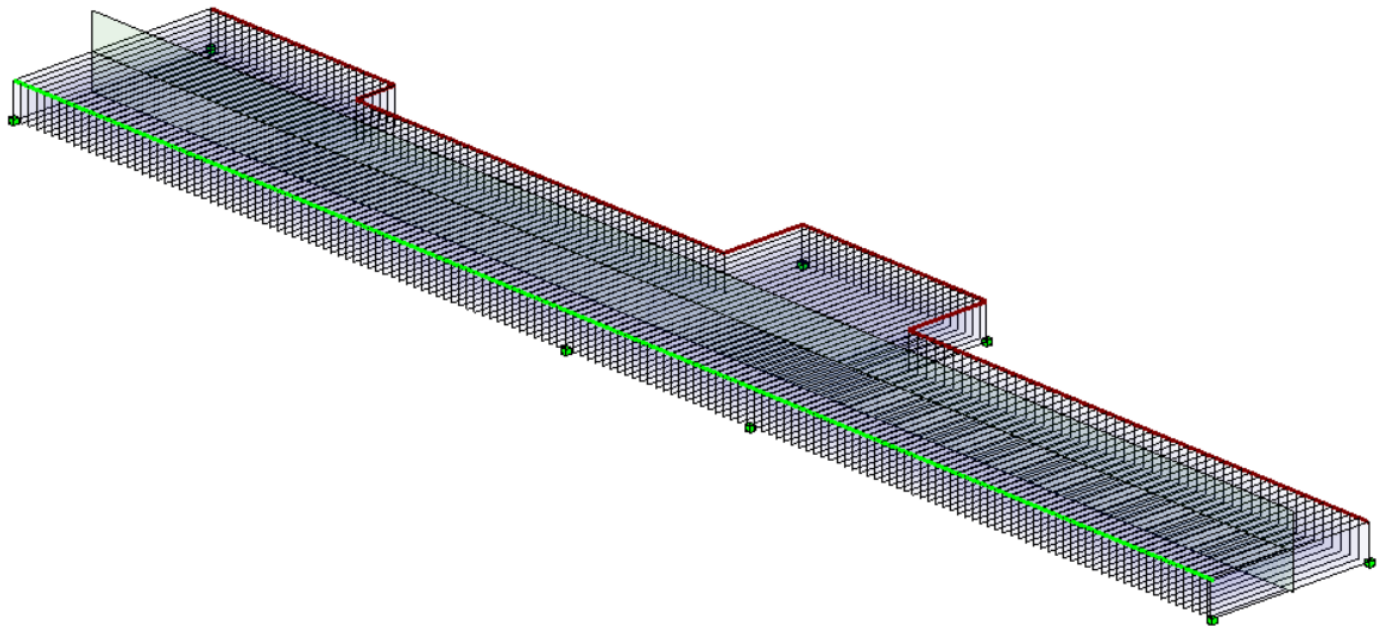
Draft m	Displacement kg	Moment kgm	Heel.lev. m	Area m ²	Wind lev. m
0.300	258578	14704	0.057	294.076	2.000
0.350	301674	14505	0.048	290.102	2.000
0.400	344770	14306	0.041	286.128	2.000
0.450	387866	14108	0.036	282.154	2.000
0.500	430962	13909	0.032	278.180	2.000
0.550	474060	13710	0.029	274.206	2.000
0.600	517156	13512	0.026	270.232	2.000
0.650	560252	13313	0.024	266.258	2.000
0.700	603347	13114	0.022	262.284	2.000
0.750	646445	12916	0.020	258.310	2.000
0.800	689540	12717	0.018	254.336	2.000
0.850	732637	12518	0.017	250.362	2.000
0.900	775732	12319	0.016	246.388	2.000
0.950	818829	12121	0.015	242.414	2.000
1.000	861925	11922	0.014	238.440	2.000
1.050	905022	11723	0.013	234.466	2.000
1.100	948119	11525	0.012	230.492	2.000
1.150	991215	11326	0.011	226.518	2.000
1.200	1034312	11127	0.011	222.544	2.000
1.250	1077408	10929	0.010	218.570	2.000
1.300	1120504	10730	0.010	214.596	2.000
1.350	1163601	10531	0.009	210.622	2.000
1.400	1206695	10332	0.009	206.648	2.000
1.450	1249792	10134	0.008	202.674	2.000
1.500	1292889	9935	0.008	198.700	2.000
1.550	1335984	9736	0.007	194.726	2.000
1.600	1379081	9538	0.007	190.752	2.000
1.650	1422176	9339	0.007	186.778	2.000
1.700	1465274	9140	0.006	182.804	2.000

Pressure 25.00 kg/m²

Draft is from baseline.

Moment is calculated relative to the center of projected area underwater body.

7. INPUT DATA HULLFORM



MAIN DIMENSIONS
pontoon 79.25x14.63x1.98m

19 Jan 2024 13:59:42

General particulars and main dimensions

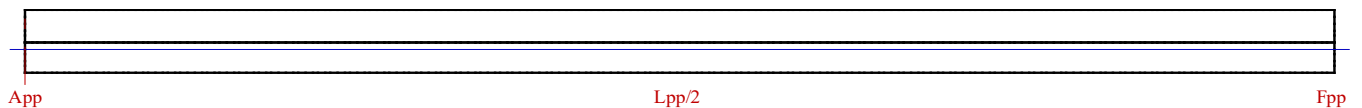
Project name : pontoon 79.25x14.63x1.98m

Length between perpendiculars	:	79.250 m
Waterline length	:	79.250 m
Length overall	:	79.250 m
Moulded breadth	:	14.630 m
Design draft	:	1.500 m
Moulded depth	:	1.980 m
Appendage coefficient	:	1.0000
Mean shell plate thickness	:	0.0000 m
Type of midship section	:	Chine

The vessel is asymmetrical.

The portside hull is :	&aanleg2_ps
The starboard hull is :	&aanleg2

The vessel has no more added hullforms.



0[m]	10	20	30	40	50	60	70	80
Legend								
-Perpendiculars								
-Water line								
-Mark lines								
Main dimensions								
Length perpendiculars							79.250m	
Moulded breadth							14.630m	
Moulded depth							1.980m	
Design draft							1.500m	

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:17

Portside main hullform

Ordinate 0.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 0.508

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 1.016

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 1.524

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 2.032

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 2.540

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 3.048

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 3.556

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:17

Portside main hullform

Ordinate 4.064

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 4.572

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 5.080

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 5.588

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 6.096

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 6.604

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 7.112

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 7.620

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 8.128

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 8.636

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 9.144

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 9.652

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 10.160

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 10.668

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 11.176

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 11.684

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 12.192

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
7.315 K	0.000

Breadth	Height
7.315 K	1.980

Ordinate 12.192

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 12.690

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 13.187

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 13.685

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 14.183

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 14.680

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 15.178

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 15.675

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 16.173

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 16.671

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 17.168

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 17.666

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 18.164

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 18.661

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 19.159

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 19.656

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 20.154

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 20.652

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 21.149

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 21.647

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 22.145

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 22.642

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 23.140

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 23.638

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 24.135

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 24.633

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 25.130

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 25.628

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 26.126

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 26.623

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 27.121

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 27.619

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 28.116

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 28.614

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 29.112

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 29.609

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 30.107

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 30.604

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 31.102

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 31.600

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 32.097

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 32.595

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 33.093

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 33.590

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 34.088

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 34.585

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 35.083

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 35.581

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 36.078

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 36.576

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 36.576

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 37.064

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 37.551

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 38.039

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 38.527

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 39.014

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 39.502

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 39.990

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 40.477

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 40.965

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 41.453

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 41.940

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 42.428

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 42.916

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 43.403

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 43.891

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 44.379

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 44.867

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 45.354

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 45.842

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 46.330

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 46.817

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 47.305

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 47.793

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 48.280

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 48.768

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
9.736 K	0.000

Breadth	Height
9.736 K	1.980

Ordinate 48.768

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 49.366

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 49.963

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 50.561

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 51.159

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 51.756

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 52.354

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 52.952

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 53.549

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 54.147

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 54.744

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 55.342

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 55.940

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 56.537

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 57.135

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 57.733

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 58.330

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 58.928

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 59.526

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 60.123

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 60.721

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 61.319

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 61.916

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 62.514

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 63.112

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 63.709

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 64.307

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 64.905

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 65.502

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 66.100

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 66.697

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 67.295

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 67.893

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 68.490

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 69.088

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 69.686

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 70.283

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 70.881

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 71.479

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 72.076

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 72.674

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 73.272

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 73.869

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 74.467

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 75.065

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 75.662

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 76.260

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 76.857

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 77.455

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 78.053

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 78.650

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Portside main hullform

Ordinate 79.248

Breadth	Height	Breadth	Height	Breadth	Height
0.000	0.000	4.877 K	0.000	4.877 K	1.980
0.000	1.980				

Remark : The character K with a coordinate indicates a knuckle.

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 0.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 0.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 1.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 1.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 2.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 2.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 3.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 3.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 4.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 4.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 5.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 5.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 6.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 6.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 7.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 7.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 8.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 8.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 9.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 9.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 10.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 10.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 11.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 11.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 12.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 12.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 13.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 13.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 14.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 14.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 15.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 15.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 16.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 16.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 17.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 17.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 18.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 18.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 19.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 19.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 20.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 20.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 21.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 21.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 22.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 22.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 23.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 23.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 24.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 24.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 25.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 25.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 26.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 26.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 27.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 27.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 28.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 28.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 29.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 29.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 30.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 30.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 31.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 31.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 32.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 32.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 33.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 33.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 34.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 34.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 35.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 35.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 36.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 36.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 37.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 37.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 38.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 38.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 39.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 39.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 40.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 40.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 41.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 41.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 42.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 42.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 43.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 43.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 44.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 44.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 45.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 45.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 46.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 46.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 47.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 47.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 48.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 48.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 49.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 49.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 50.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 50.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 51.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 51.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 52.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 52.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 53.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 53.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 54.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 54.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 55.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 55.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 56.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 56.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 57.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 57.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 58.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 58.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 59.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 59.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 60.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 60.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 61.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 61.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 62.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 62.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 63.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 63.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 64.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 64.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 65.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 65.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 66.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 66.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 67.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 67.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 68.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 68.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 69.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 69.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 70.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 70.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 71.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 71.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 72.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 72.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 73.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 73.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 74.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 74.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 75.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 75.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

LIST OF INPUT ORDINATES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:00:18

Starboard main hullform

Ordinate 76.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 76.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 77.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 77.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 78.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 78.500

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 79.000

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Ordinate 79.248

Breadth	Height
0.000	0.000
0.000	1.980

Breadth	Height
4.877 K	0.000

Breadth	Height
4.877 K	1.980

Remark : The character K with a coordinate indicates a knuckle.

8. INPUT DATA COMPARTMENTS

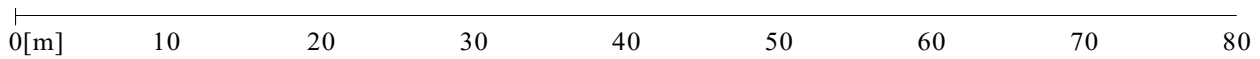
COMPARTMENT LAYOUT pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:34

1 1	2 1 A
3 1 A A	4 2
5 2 A	6 2 A A
7 3	8 3 A
9 3 A A	10 4
11 4 A	12 4 A A
13 5	14 5 A
15 5 A A	16 6
17 6 A	18 6 A A
19 7	20 7 A
21 7 A A	22 8
23 8 A	24 8 A A
25 9	26 9 A
27 9 A A	28 10
29 10 A	30 10 A A
31 11	32 11 A
33 11 A A	34 12
35 12 A	36 12 A A
37 13	38 13 A
39 13 A A	40 14
41 14 A	42 14 A A
43 15	44 15 A
45 15 A A	46 16
47 16 A	48 16 A A
49 17	50 17 A
51 17 A A	52 18
53 18 A	54 18 A A
55 19	56 19 A
57 19 A A	58 20
59 20 A	60 20 A A
61 21	62 21 A
63 21 A A	64 22
65 22 A	66 22 A A
67 23	68 23 A
69 23 A A	70 24
71 24 A	72 24 A A
73 25	74 25 A
75 25 A A	76 26
77 26 A	78 26 A A
79 27	80 27 A
81 27 A A	82 28
83 28 A	84 29

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86	30
88	31



SUMMARY OF MAXIMUM TANK VOLUMES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:03:28

Subtotals for group : WB

Compartment	Volume	Weight	VCG	LCG	TCG	Mom.In.T	Density
1	10.853	10.853	0.990	1.147	-6.096	2.72	1.0000
1 A	36.051	36.051	0.990	6.104	-6.096	9.04	1.0000
1 A A	10.777	10.777	0.990	11.053	-6.096	2.70	1.0000
2	10.857	10.857	0.990	1.147	-3.657	2.72	1.0000
2 A	36.062	36.062	0.990	6.104	-3.657	9.04	1.0000
2 A A	10.781	10.781	0.990	11.053	-3.657	2.70	1.0000
3	10.852	10.852	0.990	1.147	-1.219	2.72	1.0000
3 A	36.048	36.048	0.990	6.104	-1.219	9.02	1.0000
3 A A	10.776	10.776	0.990	11.053	-1.219	2.70	1.0000
4	10.852	10.852	0.990	1.147	1.219	2.72	1.0000
4 A	36.048	36.048	0.990	6.104	1.219	9.02	1.0000
4 A A	10.776	10.776	0.990	11.053	1.219	2.70	1.0000
5	10.856	10.856	0.990	1.147	3.657	2.72	1.0000
5 A	36.060	36.060	0.990	6.104	3.657	9.03	1.0000
5 A A	10.780	10.780	0.990	11.053	3.657	2.70	1.0000
6	10.856	10.856	0.990	13.339	-3.657	2.72	1.0000
6 A	36.060	36.060	0.990	18.296	-3.657	9.04	1.0000
6 A A	10.780	10.780	0.990	23.245	-3.657	2.70	1.0000
7	10.852	10.852	0.990	13.339	-1.219	2.72	1.0000
7 A	36.048	36.048	0.990	18.296	-1.219	9.02	1.0000
7 A A	10.776	10.776	0.990	23.245	-1.219	2.70	1.0000
8	10.852	10.852	0.990	13.339	1.219	2.72	1.0000
8 A	36.048	36.048	0.990	18.296	1.219	9.02	1.0000
8 A A	10.776	10.776	0.990	23.245	1.219	2.70	1.0000
9	10.856	10.856	0.990	13.339	3.657	2.72	1.0000
9 A	36.060	36.060	0.990	18.296	3.657	9.03	1.0000
9 A A	10.780	10.780	0.990	23.245	3.657	2.70	1.0000
10	10.856	10.856	0.990	25.531	-3.657	2.72	1.0000
10 A	36.060	36.060	0.990	30.488	-3.657	9.03	1.0000
10 A A	10.780	10.780	0.990	35.437	-3.657	2.70	1.0000
11	10.852	10.852	0.990	25.531	-1.219	2.72	1.0000
11 A	36.048	36.048	0.990	30.488	-1.219	9.02	1.0000
11 A A	10.776	10.776	0.990	35.437	-1.219	2.70	1.0000
12	10.852	10.852	0.990	25.531	1.219	2.72	1.0000
12 A	36.048	36.048	0.990	30.488	1.219	9.02	1.0000
12 A A	10.776	10.776	0.990	35.437	1.219	2.70	1.0000
13	10.856	10.856	0.990	25.531	3.657	2.72	1.0000
13 A	36.060	36.060	0.990	30.488	3.657	9.04	1.0000
13 A A	10.780	10.780	0.990	35.437	3.657	2.70	1.0000
14	10.776	10.776	0.990	37.723	-8.526	2.66	1.0000
14 A	35.793	35.793	0.990	42.680	-8.526	8.85	1.0000
14 A A	10.700	10.700	0.990	47.629	-8.526	2.65	1.0000
15	10.853	10.853	0.990	37.723	-6.096	2.72	1.0000
15 A	36.051	36.051	0.990	42.680	-6.096	9.03	1.0000
15 A A	10.777	10.777	0.990	47.629	-6.096	2.70	1.0000
16	10.857	10.857	0.990	37.723	-3.657	2.72	1.0000
16 A	36.062	36.062	0.990	42.680	-3.657	9.04	1.0000
16 A A	10.781	10.781	0.990	47.629	-3.657	2.70	1.0000
17	10.852	10.852	0.990	37.723	-1.219	2.72	1.0000
17 A	36.048	36.048	0.990	42.680	-1.219	9.02	1.0000

SUMMARY OF MAXIMUM TANK VOLUMES
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:03:28

Subtotals for group : WB

Compartment	Volume	Weight	VCG	LCG	TCG	Mom.In.T	Density
17 A A	10.776	10.776	0.990	47.629	-1.219	2.70	1.0000
18	10.852	10.852	0.990	37.723	1.219	2.72	1.0000
18 A	36.048	36.048	0.990	42.680	1.219	9.02	1.0000
18 A A	10.776	10.776	0.990	47.629	1.219	2.70	1.0000
19	10.856	10.856	0.990	37.723	3.657	2.72	1.0000
19 A	36.060	36.060	0.990	42.680	3.657	9.03	1.0000
19 A A	10.780	10.780	0.990	47.629	3.657	2.70	1.0000
20	10.856	10.856	0.990	49.915	-3.657	2.72	1.0000
20 A	36.060	36.060	0.990	54.872	-3.657	9.04	1.0000
20 A A	10.780	10.780	0.990	59.821	-3.657	2.70	1.0000
21	10.852	10.852	0.990	49.915	-1.219	2.72	1.0000
21 A	36.048	36.048	0.990	54.872	-1.219	9.02	1.0000
21 A A	10.776	10.776	0.990	59.821	-1.219	2.70	1.0000
22	10.852	10.852	0.990	49.915	1.219	2.72	1.0000
22 A	36.048	36.048	0.990	54.872	1.219	9.02	1.0000
22 A A	10.776	10.776	0.990	59.821	1.219	2.70	1.0000
23	10.856	10.856	0.990	49.915	3.657	2.72	1.0000
23 A	36.060	36.060	0.990	54.872	3.657	9.03	1.0000
23 A A	10.780	10.780	0.990	59.821	3.657	2.70	1.0000
24	10.856	10.856	0.990	62.107	-3.657	2.72	1.0000
24 A	36.060	36.060	0.990	67.064	-3.657	9.03	1.0000
24 A A	10.780	10.780	0.990	72.013	-3.657	2.70	1.0000
25	10.852	10.852	0.990	62.107	-1.219	2.72	1.0000
25 A	36.048	36.048	0.990	67.064	-1.219	9.02	1.0000
25 A A	10.776	10.776	0.990	72.013	-1.219	2.70	1.0000
26	10.852	10.852	0.990	62.107	1.219	2.72	1.0000
26 A	36.048	36.048	0.990	67.064	1.219	9.02	1.0000
26 A A	10.776	10.776	0.990	72.013	1.219	2.70	1.0000
27	10.856	10.856	0.990	62.107	3.657	2.72	1.0000
27 A	36.060	36.060	0.990	67.064	3.657	9.03	1.0000
27 A A	10.780	10.780	0.990	72.013	3.657	2.70	1.0000
28	10.856	10.856	0.990	74.299	-3.657	2.72	1.0000
28 A	17.992	17.992	0.990	77.347	-3.657	4.51	1.0000
29	10.852	10.852	0.990	74.299	-1.219	2.72	1.0000
29 A	17.986	17.986	0.990	77.347	-1.219	4.50	1.0000
30	10.852	10.852	0.990	74.299	1.219	2.72	1.0000
30 A	17.986	17.986	0.990	77.347	1.219	4.50	1.0000
31	10.856	10.856	0.990	74.299	3.657	2.72	1.0000
31 A	17.992	17.992	0.990	77.347	3.657	4.51	1.0000

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 1|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #81

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.294 m.

PS bulkhead -7.315 m.

SB bulkhead -4.877 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 1|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #111

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.294 m.

Fwd bulkhead 9.914 m.

PS bulkhead -7.315 m.

SB bulkhead -4.877 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 1|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #118

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.914 m.

Fwd bulkhead 12.192 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead -7.315 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -4.877 m.
Upper bulkhead ∞ m.

Compartment: 2|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #50

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead $-\infty$ m.

Fwd bulkhead 2.294 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 2|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #112

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.294 m.

Fwd bulkhead 9.914 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 2|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

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Subcompartment: Subcomp #119

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 9.914 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 12.192 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: 3|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #7

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead $-\infty$ m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 2.294 m.

SB bulkhead 0.000 m.

Upper bulkhead ∞ m.

Compartment: 3|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #113

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.294 m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.914 m.

SB bulkhead 0.000 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

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Compartment: 3|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #120

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.914 m.

Fwd bulkhead 12.192 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 4|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #9

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead -∞ m.

Fwd bulkhead 2.294 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 4|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #114

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 2.294 m.

Fwd bulkhead 9.914 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

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PS bulkhead 0.000 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 2.438 m.
Upper bulkhead ∞ m.

Compartment: 4|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #121

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 9.914 m.

Fwd bulkhead 12.192 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 5|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #5

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead $-\infty$ m.

Fwd bulkhead 2.294 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 5|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #115

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 2.294 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 9.914 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: 5|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #122

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 9.914 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 12.192 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: 6|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #60

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 12.192 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 14.486 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 6|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #124

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.486 m.

Fwd bulkhead 22.106 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 6|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #132

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.106 m.

Fwd bulkhead 24.384 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 7|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #15

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.486 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead -2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 0.000 m.
Upper bulkhead ∞ m.

Compartment: 7|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #125

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.486 m.

Fwd bulkhead 22.106 m.

PS bulkhead -2.438 m.

SB bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 7|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #133

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.106 m.

Fwd bulkhead 24.384 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 8|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #13

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 12.192 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 14.486 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: 8|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #126

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 14.486 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 22.106 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: 8|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #134

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 22.106 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 24.384 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 9|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #11

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 12.192 m.

Fwd bulkhead 14.486 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 9|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #127

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 14.486 m.

Fwd bulkhead 22.106 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 9|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #135

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 22.106 m.

Fwd bulkhead 24.384 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead 2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead ∞ m.
Upper bulkhead ∞ m.

Compartment: 10|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #51

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.678 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 10|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #138

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.678 m.

Fwd bulkhead 34.298 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 10|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #146

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 34.298 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 36.576 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: 11|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #14

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 24.384 m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 26.678 m.

SB bulkhead -0.000 m.

Upper bulkhead ∞ m.

Compartment: 11|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #139

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 26.678 m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 34.298 m.

SB bulkhead -0.000 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 11|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #147

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 34.298 m.

Fwd bulkhead 36.576 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 12|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #12

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.678 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 12|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #140

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 26.678 m.

Fwd bulkhead 34.298 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead 0.000 m.
Lower bulkhead $-\infty$ m.

SB bulkhead 2.438 m.
Upper bulkhead ∞ m.

Compartment: 12|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #148

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 34.298 m.

Fwd bulkhead 36.576 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 13|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #10

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 24.384 m.

Fwd bulkhead 26.678 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 13|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #141

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 26.678 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 34.298 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: 13|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #149

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 34.298 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 36.576 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: 14|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #106

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 36.576 m.

PS bulkhead $-\infty$ m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 38.870 m.

SB bulkhead -7.315 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 14|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #152

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 38.870 m.

Fwd bulkhead 46.490 m.

PS bulkhead -∞ m.

SB bulkhead -7.315 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 14|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #158

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 46.490 m.

Fwd bulkhead 48.768 m.

PS bulkhead -∞ m.

SB bulkhead -7.315 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 15|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #105

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 36.576 m.

Fwd bulkhead 38.870 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead -7.315 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -4.877 m.
Upper bulkhead ∞ m.

Compartment: 15|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #153

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 38.870 m.

Fwd bulkhead 46.490 m.

PS bulkhead -7.315 m.

SB bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 15|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #159

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 46.490 m.

Fwd bulkhead 48.768 m.

PS bulkhead -7.315 m.

SB bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 16|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #52

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 36.576 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 38.870 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: 16|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #154

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 38.870 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 46.490 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: 16|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #160

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 46.490 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 48.768 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 17|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #20

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 36.576 m.

Fwd bulkhead 38.870 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 17|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #155

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 38.870 m.

Fwd bulkhead 46.490 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 17|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #161

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 46.490 m.

Fwd bulkhead 48.768 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead -2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -0.000 m.
Upper bulkhead ∞ m.

Compartment: 18|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #19

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 36.576 m.

Fwd bulkhead 38.870 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 18|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #156

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 38.870 m.

Fwd bulkhead 46.490 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 18|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #162

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 46.490 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 48.768 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: 19|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #18

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 36.576 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 38.870 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: 19|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #157

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 38.870 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 46.490 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 19|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #163

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 46.490 m.

Fwd bulkhead 48.768 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 20|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #109

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 48.768 m.

Fwd bulkhead 51.062 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 20|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #164

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 51.062 m.

Fwd bulkhead 58.682 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead -4.877 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -2.438 m.
Upper bulkhead ∞ m.

Compartment: 20|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #172

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 58.682 m.

Fwd bulkhead 60.960 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 21|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #24

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 48.768 m.

Fwd bulkhead 51.062 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 21|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #165

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 51.062 m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 58.682 m.

SB bulkhead -0.000 m.

Upper bulkhead ∞ m.

Compartment: 21|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #173

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 58.682 m.

PS bulkhead -2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 60.960 m.

SB bulkhead -0.000 m.

Upper bulkhead ∞ m.

Compartment: 22|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #23

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 48.768 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 51.062 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 22|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #166

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 51.062 m.

Fwd bulkhead 58.682 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 22|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #174

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 58.682 m.

Fwd bulkhead 60.960 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 23|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #22

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 48.768 m.

Fwd bulkhead 51.062 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

PS bulkhead 2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead ∞ m.
Upper bulkhead ∞ m.

Compartment: 23|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #167

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 51.062 m.

Fwd bulkhead 58.682 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 23|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #175

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 58.682 m.

Fwd bulkhead 60.960 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 24|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #110

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 60.960 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 63.254 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: 24|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #178

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 63.254 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 70.874 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

Compartment: 24|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #186

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 70.874 m.

PS bulkhead -4.877 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 73.152 m.

SB bulkhead -2.438 m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 25|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #28

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 60.960 m.

Fwd bulkhead 63.254 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 25|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #179

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 63.254 m.

Fwd bulkhead 70.874 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 25|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #187

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 70.874 m.

Fwd bulkhead 73.152 m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

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PS bulkhead -2.438 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -0.000 m.
Upper bulkhead ∞ m.

Compartment: 26|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #27

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 60.960 m.

Fwd bulkhead 63.254 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 26|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #180

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 63.254 m.

Fwd bulkhead 70.874 m.

PS bulkhead 0.000 m.

SB bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 26|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #188

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 70.874 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 73.152 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: 27|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #26

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 60.960 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 63.254 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

Compartment: 27|A|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #181

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 63.254 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 70.874 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 27|A|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #189

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 70.874 m.

Fwd bulkhead 73.152 m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 28|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #80

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 73.152 m.

Fwd bulkhead 75.446 m.

PS bulkhead -4.877 m.

SB bulkhead -2.438 m.

Lower bulkhead -∞ m.

Upper bulkhead ∞ m.

Compartment: 28|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #192

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 75.446 m.

Fwd bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

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PS bulkhead -4.877 m.
Lower bulkhead $-\infty$ m.

SB bulkhead -2.438 m.
Upper bulkhead ∞ m.

Compartment: 29|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #78

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 73.152 m.

Fwd bulkhead 75.446 m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 29|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #193

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 75.446 m.

Fwd bulkhead ∞ m.

PS bulkhead -2.438 m.

SB bulkhead -0.000 m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

Compartment: 30|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Subcompartment: Subcomp #77

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 73.152 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 75.446 m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: 30|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #194

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 75.446 m.

PS bulkhead 0.000 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead ∞ m.

SB bulkhead 2.438 m.

Upper bulkhead ∞ m.

Compartment: 31|

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #76

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Aft bulkhead 73.152 m.

PS bulkhead 2.438 m.

Lower bulkhead $-\infty$ m.

Side: no specific side

Fwd bulkhead 75.446 m.

SB bulkhead ∞ m.

Upper bulkhead ∞ m.

COMPARTMENT INPUT DATA
pontoon 79.25x14.63x1.98m

19 Jan 2024 14:02:49

Compartment: 31|A

Last modification: 19 Jan 2024 14:02:25

Design density : 1.0000 ton/m³

Design weight group: WB

Compartment is part of the watertight layout.

Subcompartment: Subcomp #195

Permeability for tank sounding tables 0.980, for damage stability 0.950

Subcompartment is limited by the hullform.

Sign: positive

Side: no specific side

Aft bulkhead 75.446 m.

Fwd bulkhead ∞ m.

PS bulkhead 2.438 m.

SB bulkhead ∞ m.

Lower bulkhead $-\infty$ m.

Upper bulkhead ∞ m.

9. NR612 RULES HARBOUR EQUIPMENT

Parts of the NR612 regulations.

BUREAU VERITAS RULES FOR THE CLASSIFICATION OF HAROUR EQUIPMENT

NR612 - MARCH 2023

NR612 DT R01 MARCH 2023 takes precedence over previous revision.

The PDF electronic version of this document available at the Bureau Veritas Marine & Offshore website <https://marine-offshore.bureauveritas.com/> is the official version and shall prevail if there are any inconsistencies between the PDF version and any other available version.

These rules are provided within the scope of the Bureau Veritas Marine & Offshore General Conditions, enclosed at the end of Part A of NR467, Rules for the Classification of Steel Ships. The current version of these General Conditions is available at the Bureau Veritas Marine & Offshore website.

PART A CLASSIFICATION AND SURVEYS

PART B HULL AND STABILITY

PART C MACHINERY, SYSTEMS AND ELECTRICITY,

PART D ADDITIONAL REQUIREMENTS FOR NOTATIONS

REFERENCE DOCUMENT
NR612 DT R01 MARCH 2023

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7.3 Intact stability

7.3.1 It is to be confirmed that, when account has been taken of the combined action of heeling moments defined in [7.2]:

- the residual safety clearance is not less than:
 - 0,30 m for weathertight apertures
 - 0,40 m for unprotected openings
- the residual freeboard value is at least 0,30 m
the residual freeboard may be reduced if it is proven that the requirements of [7.4] or [7.5], as the case may be, have been met.

The angle of list is not to exceed 10° and the base of the hull shall not emerge.

7.4 Intact stability in case of reduced residual freeboard - Harbour equipment not intended for passengers

7.4.1 If a reduced residual freeboard is taken into account, it is to be checked, for all operating conditions, that:

- a) After correction for the free surfaces of liquids, the metacentric height GM is not less than 0,15 m
- b) For list angles between 0° and 30°, there is a righting lever, in m, of at least:
 $h = 0,30 - 0,28 \varphi_n$
- c) The list angle does not exceed 10°
- d) The residual safety clearance value is, at least:
 - 0,30 m for weathertight openings
 - 0,40 m for unprotected openings
- e) The residual freeboard is at least 0,05 m
- f) For list angles between 0° and 30°, the residual righting lever arm, in m, is at least:
 $h = 0,20 - 0,23 \varphi_n$

Residual righting lever arm means the maximum difference existing between 0° and 30° list between the righting lever and the heeling lever curves. If an opening towards the inside of the floating equipment is immersed at a list angle less than the one corresponding to the maximum difference between the lever arm curves, the lever arm corresponding to that list angle is to be taken into account.

where:

φ_n : List angle, in radian, from which the righting lever arm curve displays negative values; this is not to be inserted into the formula for more than 30° or 0,52 rad.

7.5 Intact stability in case of reduced residual freeboard - Harbour equipment intended for passengers

7.5.1 If a reduced residual freeboard is taken into account, it is not to be checked, for all operating conditions, that:

- a) After correction for the free surfaces of liquids, the metacentric height GM is not less than 0,15 m
- b) The maximum righting lever arm h_{max} is to occur at a list angle of $\varphi_{max} \geq (\varphi_{mom} + 3^\circ)$ and is not to be less than 0,20 m. However, in case $\varphi_i < \varphi_{max}$ the righting lever arm at the downflooding angle φ_i is not to be less than 0,20 m.
- c) The list angle does not exceed 10°
- d) The residual safety clearance value is, at least:
 - 0,30 m for weathertight openings
 - 0,40 m for unprotected openings
- e) The residual freeboard is at least 0,05 m
- f) The area A under the curve of the righting lever arm is to reach 0,05 m.rad up to the angle φ_i .

where:

φ_i : List angle, at which openings in the hull which cannot be closed so as to be weathertight, submerge
 $\varphi_i \leq 15^\circ$

φ_{max} : List angle at which the maximum righting lever arm occurs

φ_{mom} : List angle due to the combined action of heeling moments defined in [7.2].

7.6 Damage stability

7.6.1 Where the floating landing dock is intended for passengers, proof of appropriate damage stability is to be furnished according to [7.6.5] and [7.6.6].

7.6.2 Floating landing dock is to comply with the one-compartment status, taking into account the assumptions concerning the extent of damage given in Tab 8 and assuming the compartment permeability to be 95%.

7.6.3 The bulkheads can be assumed to be intact if the distance between two adjacent bulkheads is greater than the damage length. Longitudinal bulkheads at a distance of less than $B/3$ measured rectangular to centre line from the shell plating at the maximum draught plane is not to be taken into account for calculation purposes.

7.6.4 If damage of a smaller dimension than specified in [7.6.2] produces more detrimental effects with respect to heeling or loss of metacentric height, such damage is to be taken into account for calculation purposes.

7.6.5 Under the combined action of heeling moments defined in [7.2], the residual freeboard and the residual safety clearance are not less than 0,10 m.

7.6.6 For safety reasons, greater values of the residual safety clearance or residual freeboard may be required by the Society.

Table 8 : Extent of damage, in m

Damage location	Dimension of the damage	
Wall	Longitudinal ℓ	$0,1 L_{WL} \geq 4$ (1)
	Transverse b	$B/5$
	Vertical h	From unit bottom to top without delimitation
Bottom (3)	Longitudinal ℓ	$0,1 L_{WL} \geq 4$ (1)
	Transverse b	$B/5$
	Vertical h	0,59; pipework is to be deemed intact (2)
<p>(1) For units with $L_{WL} \leq 25$, smaller values of the damage extent may be accepted by the Society on a case-by-case basis.</p> <p>(2) Where a pipework system has no open outlet in a compartment, the pipework shall be regarded as intact in the event of this compartment being damaged, if it runs within the safe area and is more than 0,50 m off the bottom of the unit.</p> <p>(3) May be disregarded if the water stretch level is relatively constant (e.g., no season or tide effect).</p>		