

Waterski Homologation - MAY MALIBU MULTI.hom - Waterski Dossier

19/05/2024-16:37:45

International Waterski and Wakeboard Federation
2024 Edition Homologation Dossier - Waterski

Competition name: MAY MALIBU MULTI
Competition Code: 24GBR019
Date: 2024-05-18 2024-05-19
Site Name: HAZELWOOD SKI WORLD
Site Code: GBRHAZEL
Organising Country: GBR - Great Britain
Type of competition: International
Were cash prizes or merchandise awarded (Yes/No): (No)

Homologator's and Chief Judge recommendation to Waterski Council
(Fill in R-Record, L-Standing List)

Event	Round 1	Round 2	Round 3	Round 4
Slalom	(L)	(L)	(L)	()
Tricks	(L)	(L)	()	()
Jump	(L)	(L)	()	()

HOMOLOGATOR'S CHECKLIST

If checked and all according to rules put OK.
If checked and any variation to the rules put an X and explain in "Remarks" section.
Not applicable is NA or leave blank for events not sanctioned.

BOAT CHECKLIST

- Boats and equipment (Rule 5) (OK)
- Speed Control (Rule 5) (OK)
Manufacturer: (Zero Off)
Software Version: (REV R)
- JUMP Power Factor Default (Titled Event only): (5.0)

SLALOM CHECKLIST

- Slalom Course Type: (Four lines floating course)
(single anchor/cross line/four-line floating/centreline frame/other)
- Slalom course Survey attach (8.17, 25.02): Survey date: (2024-05-16)
- Slalom buoy diameter/height checked (8.07, 25.02) (OK)
- All buoys are clearly visible (8.07, 25.02) (OK)
- Boat guides visually checked for straightness (25.02) (OK)
Average Width - Centerline to B1 - B11: (1.126)
Average Width - Centerline to B2 - B12: (1.165)
- Gate Camera position and height (8.13/8.19) (OK)
- Gate Video Camera View and Recording (8.13, 25.06) (OK)
- Position and height of slalom tower (8.06, 8.13) (OK)
- Slalom Shore Official Configuration (8.13):
 - 4 judges- 2 on each side (44 deg.) (8.19) ()
 - 2 judges on one side (gate) + 1 judge on the other side ()
 - 2 judges, 1 on each side with gate video (OK)
 - 2 central towers with live boat video ()
 - 2 central towers without live boat video ()
- Measure/Inspect tourn supplied slalom lines/handles (5.09) (OK)
- Arrangement for checking of skier supplied slalom handles (5.11) (OK)
- Speed control mapped (5.03, 5.04, 5.07) (OK)
- Boat Path Monitoring System Used (25.08): (Sure-Path)
(Sure-Path/SplashEye/other 25.08)
- RTK-GPS Boat Path Measurement Verified w/Self Check: (OK)
Record from BPMS (25.02):
 - Width - Centerline Axis to G1/G2: (1.257)
 - Width - Centerline Axis to G3/G4: (1.255)

- Average Width (S1, S3, S5) to Centerline: (11.48)
 Average Width (S2, S4, S6) to Centerline: (11.49)
15. If video base BPMS used, system verified (25.06, 25.08) (NA)
 16. Boat camera and video recording (Class R) minimum (NA)
 704x480 pixels @ minimum 25fps (PAL) 30fps (NTSC)
 17. If BPMS not used, EC Video Data forwarded to federation or confederation (NA)
 Filename (25.02): ()

TRICKS CHECKLIST

1. Trick course checked (9.01/9.24) (OK)
2. Arrangement for checking rope release (9.13) (OK)
3. Additional weight available (9.14) (OK)
4. Trick Officials
 - 5 Judges (9.12) (OK)
 - 3 Judges (9.12) ()
5. Video Tricks Timing system manufacturer () SplashEye
 (SplashEye/Video Stop Watch/Loreto/Bottcher/Corson/other)
6. Video Trick Timing System verified (25.03) (OK)
7. Video Trick initial review speed : (100%)
8. Video Trick second review speed : (100%)

JUMP CHECKLIST

1. Jump Course Type: (Two lines floating course)
 (single anchor/cross line/two-line floating/centreline frame/other)
2. Jump course Survey attached. (10.16, 25.04): Survey date: (2024-05-17)
3. Jump buoy diameter/height per rule (8.07, 25.04) (OK)
4. All buoys are clearly visible (8.07, 25.04) (OK)
5. Boat guides visually checked for straightness (25.04) (OK)
6. Measure/Inspect competition supplied line/handles (5.09) (OK)
7. Arrangement for checking skier's supplied line/handles (5.11, 25.04) (OK)
8. Manufacturer of Video Jump Measurement System (25.07): () SplashEye
 (SplashEye/Video Tape Measurement/Loreto/Boettcher/Corson)
9. Video Jump Measurement System - verify setup and homologation level (25.04) (OK)
10. Speed Control mapped (5.03, 5.04, 5.07) (OK)
11. Boat Path Monitoring System Used (25.08): () Sure-Path
 (Sure-Path/SplashEye/other)
12. RTK-GPS Boat Path Measurement Verified w/Self Check: (OK)
 Record from BPMS (25.04):
 Width - 15ST to 19ST (4m +/-10cm) (3.96)
 Width - 15MT to 19MT (4m +/-10cm) (3.99)
 Width - 15ET to 19ET (4m +/-10cm) (3.93)
 Width - Ramp Centerline to X Axis (15m+/-15cm) (15.01)
13. If Video Base BPMS used, system verified (25.06, 25.08) (NA)
14. If BPMS not used, EC Video or BPMS Data forwarded to Confederation (NA)
 Filename : ()

JUMP SETUP

JUMP RAMP SURFACE MEASUREMENT

1. Ramp width at top and bottom is between 3.7m and 4.3m: (OK)
 Width (10.02): Top (m): (4.258) Bottom(m): (4.258)
2. Ramp markings are clearly identified (6.50m & 7.00m) (10.02): (OK)
 Top edge to 6.50m line: Left Side(m) (6.5) Right Side(m) (6.5)
 Top edge to 7.00m line: Left Side(m) (7.0) Right Side(m) (7.0)
3. Length underwater (minimum 50cm) (10.02c) (m): (0.50)
4. Ramp surface deviation verified (10.02) (OK)
 Maximum Deviation from plane (10.02f) (cm) (0)
 Maximum Deviation Point from top edge (10.02f) (m): (2)
5. Minimum side curtain depth under water with ramp set at 1.80M is 20cm (10.02): (OK)
6. Apron Angle (Min 28 deg / Max 60 deg): (OK)
 Measured at Ramp Height(m): (1.61)

Length of apron edge from top corner to water(m): (2.31)
Ratio of Length/height (min 0.5, max 0.0883): (0.697)
7. Ramp surface inspected (25.04) (OK)
8. Ramp secure anchoring (25.04) (OK)
9. Ramp ratio verified and recorded (10.02) (OK)

RAMP SETTING

Setting	Right Side			Left Side		
	Height	Length	Ratio	Height	Length	Ratio
1.80						
1.65	1.75	7.0	0.2500	1.75	7.0	0.2500
1.50	1.61	7.0	0.2300	1.61	7.0	0.2300
1.35	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X	XXX.X

END OF HOMOLOGATION FORM

It is important to leave the above section in the exact format as it will be processed automatically. The following section is where free form comments are added, and attachments are made.

HOMOLOGATOR'S REMARKS - Must provide any variations (examples below):

- Rules:
- Course alterations:
- Malfunction of equipment:
- BPMS:
- Boat/Speed Control:
- Other:

ONLY ONE SIDE OF TRICK COURSE AVAILABLE

Homologator:

Name:
ADRIAN ASHER

Chief Judge:

Name:
CATHERINE WHARTON

E-mail:

Scorer:

Name:
AIMI DAY

E-mail:

This homologation record must be uploaded to IWWF

CHIEF JUDGE and OFFICIALS REPORT

Chief Judge and panel Officials to subscribe:

"I certify compliance with all IWWF and E&A Rules governing the competition.
I am satisfied with the conduct of the event."

Position	Official name	Country	Qual.	License/Id	Slalom Tricks	Jump	Signature
Chief Judge	Catherine WHARTON	GBR	J2	E&A			
Homologator	Adrian ASHER	GBR	H2	E&A			
Assistant Homologator	Peter DAVIES	GBR	H1	E&A			
Technical Officer	GEORGE HAZELWOOD	GBR					
Calculator	AIMI DAY	GBR	S3				
Judges	Gillian ASHER	GBR	J2	E&A			
	ELEANOR BENJAMIN	GBR	J3				
	JENNIFER BENJAMIN	GBR	J3				
	AMBER BUTTERFIELD	GBR	J3				
	Benjamin HAZELWOOD	GBR	J2	E&A			
	Val PARKIN	GBR	J2*	E&A			
	TOM PARKIN	GBR	J3				
	TOM POOLE	GBR	J1				
	Paul WHARTON	GBR	J2	E&A			
	HARRY YOUNG	GBR	J3*				
Chief Driver	Phil INGLE	GBR	D1	E&A			
Drivers	Adrian ASHER	GBR	D1	E&A			
	Peter DAVIES	GBR	D2	E&A			
	WILLIAM OLIVER	GBR	D3				

Waterski Homologation - MAY MALIBU MULTI.hom - Waterski Slalom Course

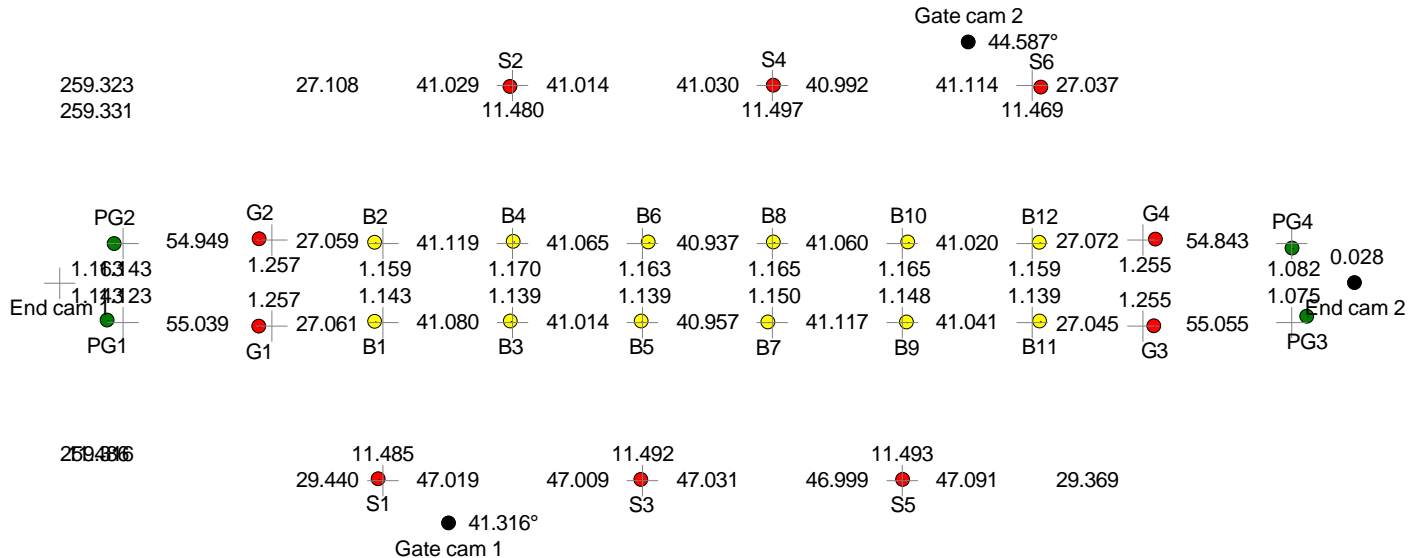
19/05/2024 - 16:37:46

Survey date & time 16/05/2024 14:57:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: MG1G2-MG3G4

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	352.4840	83.6553	0.2000	0.0500
G2	354.1215	85.1043	0.2000	0.0500
G3	124.1000	196.1644	0.2000	0.0500
G4	123.2735	196.8072	0.2000	0.0500
S1	359.5800	55.9706	0.2000	0.0500
S2	47.2720	60.2263	0.2000	0.0500
S3	95.2010	54.8027	0.2000	0.0500
S4	101.3630	101.1214	0.2000	0.0500
S5	121.1250	127.7441	0.2000	0.0500
S6	117.5615	174.0562	0.2000	0.0500
B1	6.5510	63.3749	0.1500	
B2	8.1520	65.1202	0.1500	
B3	47.1545	47.6199	0.1500	
B4	47.2110	49.9286	0.1500	
B5	88.2105	62.3213	0.1500	
B6	87.0525	64.1552	0.1500	
B7	107.4625	94.0831	0.1500	
B8	106.3550	95.3377	0.1500	
B9	116.5355	131.2007	0.1500	
B10	115.5800	132.0728	0.1500	
B11	121.5515	170.0962	0.1500	
B12	121.1050	170.7484	0.1500	
PG1	339.1440	132.7448	0.1500	
PG2	340.1000	133.4874	0.1500	
PG3	127.1110	249.9794	0.1500	
PG4	126.4135	250.2125	0.1500	
Gate cam 1	308.4740	11.4016		
Gate cam 2	101.1105	170.2669		
End cam 1				
End cam 2	128.5500	303.0030		

69 / 69	Mesures
Lengthes	
Axe - Axe	259.323
G1 - G3	259.316
G2 - G4	259.331
Lengthes	
Axe - S1	27.108
S1 - S2	41.029
S2 - S3	41.014
S3 - S4	41.030
S4 - S5	40.992
S5 - S6	41.114
S6 - Axe	27.037
Lengthes	
PG1 - G1	55.039
PG2 - G2	54.949
G1 - B1	27.061
G2 - B2	27.059
B1 - B3	41.080
B2 - B4	41.119
B3 - B5	41.014
B4 - B6	41.065
B5 - B7	40.957
B6 - B8	40.937
B7 - B9	41.117
B8 - B10	41.060
B9 - B11	41.041
B10 - B12	41.020
B11 - G3	27.045
B12 - G4	27.072
G3 - PG3	55.055
G4 - PG4	54.843
Diagonals	
G1 - G4	259.348
G2 - G3	259.323
Axe - S1	29.440
S1 - S2	47.019
S2 - S3	47.009
S3 - S4	47.031
S4 - S5	46.999
S5 - S6	47.091

S6 - Axe	29.369
Widths	
Axe - G1	1.257
Axe - G2	1.257
Axe - G3	1.255
Axe - G4	1.255
Axe - S1	11.485
Axe - S2	11.480
Axe - S3	11.492
Axe - S4	11.497
Axe - S5	11.493
Axe - S6	11.469
Average S1 - S6	11.486
Axe - B1	1.143
Axe - B2	1.159
Axe - B3	1.139
Axe - B4	1.170
Axe - B5	1.139
Axe - B6	1.163
Axe - B7	1.150
Axe - B8	1.165
Axe - B9	1.148
Axe - B10	1.165
Axe - B11	1.139
Axe - B12	1.159
Average B1 - B11	1.143
Average B2 - B12	1.163
Axe - PG1	1.123
Axe - PG2	1.143
Axe - PG3	1.075
Axe - PG4	1.082
Gate camera angles	
Axe - Gate cam 1	41.316°
Axe - Gate cam 2	44.587°
Gate cam. positions	Distance
Axe - Gate cam 1	76.779m
Axe - Gate cam 2	76.449m
End course cameras	
Axe - End cam 1	
Axe - End cam 2	0.028



Waterski Homologation - MAY MALIBU MULTI.hom - Waterski Jump Course

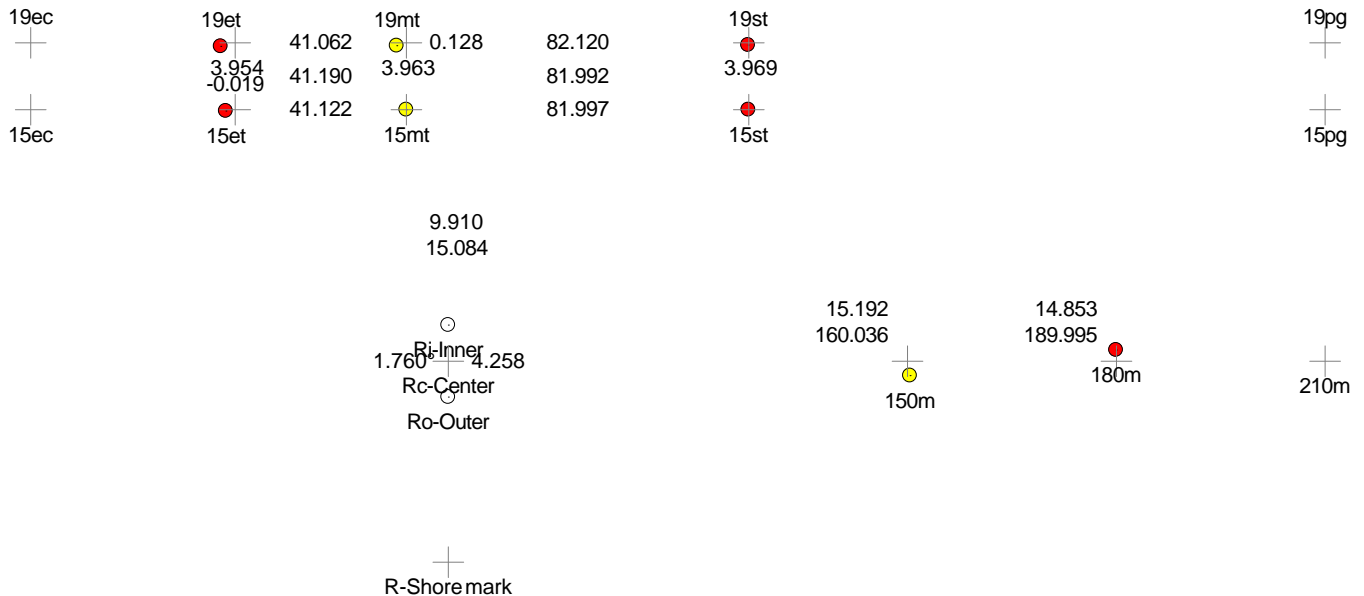
19/05/2024 - 16:37:46

Survey date & time 16/05/2024 15:15:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: 15st-15mt

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
15pg			0.1500	
19pg			0.1500	
210m			0.2200	0.0500
180m	127.4100	192.3927	0.2200	0.0500
150m	125.5240	162.9558	0.2200	0.0500
15st	106.3555	95.3328	0.1500	
19st	104.3640	97.4672	0.1500	
15mt	47.2120	49.9306	0.1500	
19mt	47.1655	53.8955	0.1500	
15et	8.1520	65.1220	0.1500	
19et	10.2105	68.2572	0.1500	
15ec			0.1500	
19ec			0.1500	
Ro-Outer	63.5600	34.0643		
Ri-Inner	62.0040	38.1465		
Rc-Center				
R-Shore mark				

20 / 20	Mesures
Lengthes	
210m - Y-Axis	
180m - Y-Axis	189.995
150m - Y-Axis	160.036
15pg - Y-Axis	
19pg - Y-Axis	
15st - Y-Axis	81.997
19st - Y-Axis	81.992
15et - Y-Axis	41.122
19et - Y-Axis	41.190
15ec - Y-Axis	
19ec - Y-Axis	
19st - 19mt	82.120
19mt - 19et	41.062
19mt - Y-Axis	0.128
Ramp - Y-Axis	9.910
Widths	
210m - X-Axis	

180m - X-Axis	14.853
150m - X-Axis	15.192
15pg - X-Axis	
15et - X-Axis	-0.019
15ec - X-Axis	
19pg - X-Axis	
19st - X-Axis	3.969
19mt - X-Axis	3.963
19et - X-Axis	3.954
19ec - X-Axis	
Average 19st - 19et	3.962
Ramp - X-Axis	15.084
Distances	
Ro-Outer - Ri-Inner	4.258
Ramp - Rc-Center	
Ramp angle	
Ro-Outer - Ri-Inner	1.760°
Ramp - R-Shore mark	

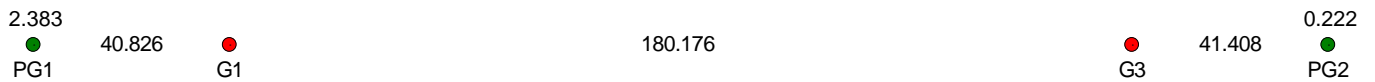


Waterski Homologation - MAY MALIBU MULTI.hom - Waterski Trick Course 19/05/2024 - 16:37:46

Survey date & time 16/05/2024 17:42:00
 Homologation level Ranking List & record
 Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: G1 -G3

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
G1	20.2915	66.7360	0.2200	0.0500
G3	116.1025	160.7333	0.2200	0.0500
PG1	356.2235	91.3518	0.2200	0.0500
PG2	120.3710	199.7370	0.2200	0.0500

5 / 5	Mesures	Exact	Tol Min	Tol Max
Lengthes				
G1 - G3	180.176	230.000	180.000	280.000
G1 - PG1	40.826	50.000	40.000	60.000
G3 - PG2	41.408	50.000	40.000	60.000
Widths				
G1 - PG1	2.383	2.000	-4.000	4.000
G3 - PG2	0.222	2.000	-4.000	4.000



Waterski Homologation - MAY MALIBU MULTI.hom - Video Jump Buoys

19/05/2024 - 16:37:46

Survey date & time 16/05/2024 16:18:00

Homologation mode Polar
 Angle unit Min sec degrees
 X-Axis: R1-R2

	Station 1	Distance	Ø Buoy	Sight Hght
Station 1				
Station 2				
Station 3				
Vi1	47.1020	47.6377	0.2200	0.0500
Vi2	21.2620	41.7354	0.2200	0.0500
Vi3	359.5325	55.9828	0.2200	0.0500
Vi4	346.3525	78.1980	0.2200	0.0500
Vi5			0.2200	0.0500
Vi6			0.2200	0.0500
Vi7			0.2200	0.0500
Vi8			0.2200	0.0500
Vo1	49.3040	28.3952	0.2200	0.0500
Vo2	15.0705	32.7020	0.2200	0.0500
Vo3	352.1015	47.0296	0.2200	0.0500
Vo4	340.1835	66.7730	0.2200	0.0500
Vo5			0.2200	0.0500
Vo6			0.2200	0.0500
Vo7			0.2200	0.0500
Vo8			0.2200	0.0500
Cam1				
Cam2				
Cam3				
Ro-Outer	63.4800	34.1005		
Ri-Inner	61.5335	38.1860		
Rc-Center				
15st	106.2915	95.3376	0.2200	
15mt	47.1510	49.9504	0.2200	
15et	8.1000	65.1282	0.2200	
20m	33.2610	28.9121	0.2200	0.0500
30m	15.0710	32.7071	0.2200	0.0500
40m	0.2055	39.9250	0.2200	0.0500
50m	352.1010	47.0310	0.2200	0.0500
60m	345.4635	55.6229	0.2200	0.0500
70m	340.1835	66.7693	0.2200	0.0500
80m			0.2200	0.0500

1 / 1	Dist ramp	Ramp - Vo6	
Coordinates		Ramp - Vo7	
Ramp	0.000	Ramp - Vo8	
Ramp - Ro-Outer	2.129	Ramp - 20m	17.890
Ramp - Ri-Inner	2.129	Ramp - 30m	28.028
Ramp - Vi1	16.184	Ramp - 40m	39.618
Ramp - Vi2	28.042	Ramp - 50m	48.959
Ramp - Vi3	51.036	Ramp - 60m	59.211
Ramp - Vi4	78.017	Ramp - 70m	71.728
Ramp - Vi5		Ramp - 80m	
Ramp - Vi6		Ramp - Cam1	
Ramp - Vi7		Ramp - Cam2	
Ramp - Vi8		Ramp - Cam3	
Ramp - Vo1	10.655	Distances	
Ramp - Vo2	28.028	Ramp - Rc-Center	
Ramp - Vo3	48.957	Ro-Outer - Ri-Inner	4.258
Ramp - Vo4	71.732	Ramp - 15mt	18.058
Ramp - Vo5		Ramp - 15et	53.220

