

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023

Prepared by Wilson Underwater Services Ltd

To: The Harbour Master, Wellington Regional Council

Inspection Date: 29/30 April 2023

Joint Owners: Lowry Bay Yacht Club (LBYC) and Royal Port Nicholson Yacht Club (RPNYC)

User agreement with: Evans Bay Yachting and Motor Boating Club (EBYMBC).

Inspected by:

- Wilson Underwater Services Ltd – Murray Wilson (Supervisor)
- “Trader” (Sailability, Driver – Brent Porter) and “Caniwi” (RPNYC, Driver Bob McVeagh) and
- Guenter Wabnitz (LBYC) - organising, communications, procurement and reporting.

Purpose

- a) Regular inspection of moorings
- b) Repair of damaged moorings (Worser Bay, Somes South)
- c) Maintenance where required
- d) Reporting to the Harbour Master about the ongoing safety of the moorings.

Summary

All seven moorings were at their designated locations and found to be safe for use in accordance with their original specifications with the following recommendations:

- a) Ongoing, two- yearly safety inspection, next one in 2025;
- b) Ongoing, six-monthly maintenance shared by clubs including: cleaning, visual check, location check, functionality;
- c) Responsibilities: LBYC (Somes-N, Somes-S and Lowry / Sorento Bay), RPNYC (Kau Bay, Seatoun / Worser Bay) and EBYMBY (Ward Island and Scorching Bay).
- d) Lowry / Sorento Bay: Stand pipe to be pushed back and secured by end 2023
- e) Somes South: Spring Chain to be replaced by end 2023
- f) Tags to be fitted to Lowry Bay, Ward Island moorings by end 2023.

Signed by

Murray Wilson

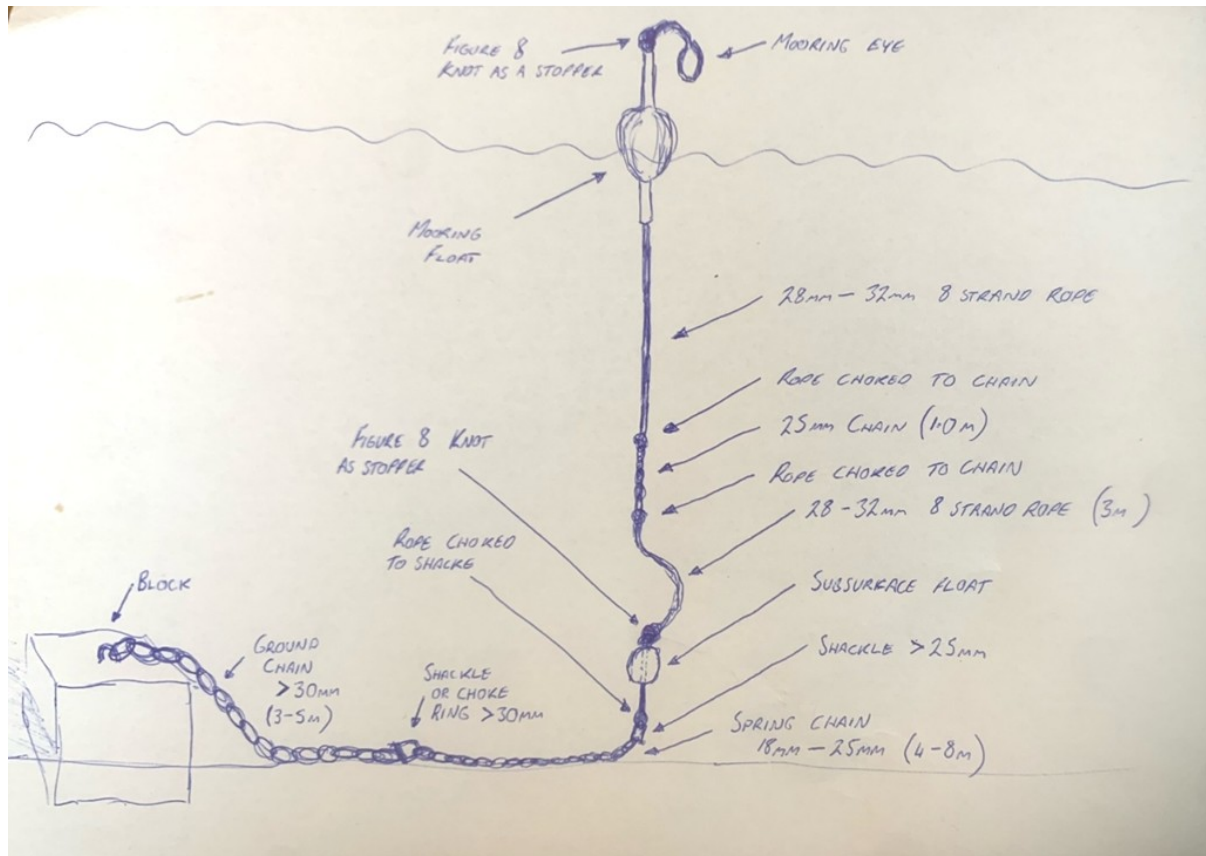
Murray Wilson, 30th April 2023

Wilson Underwater Services Ltd.

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023

Design

The seven moorings are designed for upright position, easy deployment and minimum erosion of the mid chain, in accordance with the following diagramme:



Mooring Design by Wilson Underwater Services

The following pictures show the moorings after maintenance and inspection and a table with the technical details:

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023



Somes – Matiu South (Polyform CC-4)



Scorching Bay

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023



Lowry Bay / Sorento Bay Mooring



Ward Island

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023



Somes - Matiu North (2021)



Kau Bay

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023



Seatoun / Worsler Bay

LBYC / RPNYC Wellington Harbour Club Mooring Inspection Report 2023

LBYC / RPNYC Moorings Inspection / Maintenance 2023														
Date of Maintenance / Inspection: 29/30/2023		High Tide: 29/4 - 12:08, 30/4 - 12:49:10:00		Wind: 29/4, N 5kn, 30/4, S 5 kn		Contractor: Wilson Underwater Services Ltd		Vessels: Trader (Sailability, Driver Brent Porter), Camlvi (RPNYC, Driver: Bob McVeagh)		signed for LBYC and RPNYC: Guenter Wabnitz		signed for dive contractor: Murray Wilson		
Standard Dimensions														
Date Time	Location	Block (t) in air	Load by Vessel (t) max	Depth min above Datum	Surface Float size	Mooring Eye	Mooring Rope	Weight Chain Length m	Rope Length to ground m	Subsurface Float CC-1	Shackle to SpringCh	Shackle to Chain diameter	Ground Chain dia - mm	Comments
29.4. 15:00	act South Somes-Matiu	5.3	38	7	Polyform Float CC-4	28mm partly new	0.6 plus 3 kg	7	existing	existing	124 mm	124 mm	60 mm+	Inspection after maintenance: passed Rope chafed below Ferigi Buoy to 2 strands rope and float replaced Spring chain min diameter 14 mm, replace by 12/23!
30.4. 10:59	act Scorching Bay	3.2	20	8	Polyform Float CC-4	28mm	0.6	7	existing	existing	120 mm	120 mm	1	Inspection after maintenance: passed Float in good condition (refurbished 2021) Spring chain min diameter 19 mm
29.4. 17:15	act Lowry / Sorento Bay	3.2	20	4	Polyform Float CC-4	28 mm	0.6	7	existing	existing	120 mm	120 mm	1	Inspection after maintenance: passed incorrectly assembled after damage early 2021 pole slipped down Spring Chain min diameter 15 mm pole to be pushed up and secured by 12/23!
29.4. 14:13	act Ward Island	5.3	28	5	Polyform Float CC-4	32 mm	0.6	7	existing	existing	124 mm	124 mm	1	Inspection after maintenance: passed Spring chain min diameter 16 mm good until 2025
29.4. 16:30	act Noth Somes-Matiu	2	15	9	Polyform Float CC-4	32 mm	0.6	7	existing	existing	125 mm	125 mm	1 32 mm	Inspection after maintenance: passed Spring chain min diameter 23 mm Pole down, was pushed back and lightly secured
30.4. 11:20	act Kau Bay	5.3	38	6	Polyform Float CC-4	32 mm	0.6	7	existing	existing	120 mm	120 mm	1	Inspection after maintenance: passed all in good order Spring chain min diameter 19 mm
30.4. 9:20	act Seatoun/Worser	3.2	20	8	Polyform Float CC-4	28 mm new	0.6	7	new	new	122 mm	122 mm	1 new	Inspection after maintenance: passed float deflated, was replaced worn link bridged with shackle 24 mm
	act Spares retained held at RPNYC boat shed													
	Maintenance included:													Cleaning from marine growth, adjusting stand pipe adding weights: 7 kg of chain about 2 m below float
	Inspections included:													Method: measure smallest diameter of spring chain min diameter 15 mm