

Lake Fairlee Wake Boat Wake to Shore Wave Measurements

Date: August 3, 2024, Saturday

Time: 8:25am to 8:50am

Weather Conditions: Clear, 72F

Water Conditions: Lake calm, zero other boat traffic

Boat: 2019 Moomba Helix 20.5ft

Boat settings: All (3) ballast tanks fully filled 1700#, full fuel 39gal, operating at 9.9mph for largest wake for surfing

Measurement Equipment: Measuring pole marked in 1-inch increments. **All measurements were video recorded and are available upon request.**

Boat Driver: Ben McLaughlin, ben@fesone.com cell 781-941-0030

Measurement taker: Wyatt McLaughlin

Goal: To measure the actual size of the waves that come ashore at the closest distances to the wake sports zone under normal and actual operating conditions. The boat was run several times northbound and southbound at max wake settings. Measurements were taken at two locations on northwest and southeast shorelines. Several iterations were recorded and the largest waves recorded are shown below. The path driven is down the center of the wake sports zone which is the ONLY path we have driven for wake surfing for EVERY pass since we brought our boat to Lake Fairlee in 2022

Results:

Southeast measurement video screenshots:



+/- 2", total 4" wave

Northwest measurement video screenshots:



+/- 3.5", total 7" wave

Results: All waves that came shore are +/- 2" and +/- 3.5".

Lake Fairlee, Fairlee, Thetford, VT

