

# Memo – Dredging activities in Landeyjahöfn 2017

To:

From: GOG

Date: 29.3.2019

Issue: Dredging activities in Landeyjahöfn 2017

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## Summary

In 2017 the dredging activities were divided into three main periods, a spring campaign, summer campaign, and an autumn campaign. Contractor during spring and autumn campaigns was Jan De Nul, dredging vessel Galilei 2000. Contractor in summer campaign was Björgun, vessel Dísa. Table 1 gives a summary of dredged volumes during the respective campaigns. Total dredged volume amounts to 562 914m<sup>3</sup> surveyed in 540 dredging trips.

| <i>Area</i>                                | <i>Description</i>          | <i>Spring<br/>m<sup>3</sup></i> | <i>Summer<br/>m<sup>3</sup></i> | <i>Autumn<br/>m<sup>3</sup></i> | <i>Sum m<sup>3</sup></i> |
|--|-----------------------------|---------------------------------|---------------------------------|---------------------------------|--------------------------|
| <i>Area 1</i>                              | <i>Inner harbour</i>        | <i>32 985</i>                   | <i>4 187</i>                    | <i>6 761</i>                    | <i>43 933</i>            |
| <i>Areas 2-5</i>                           | <i>Channel</i>              | <i>162 455</i>                  | <i>17 957</i>                   | <i>159 856</i>                  | <i>340 268</i>           |
| <i>Areas 6-7</i>                           | <i>Reef and<br/>buffers</i> | <i>143 200</i>                  |                                 | <i>35 513</i>                   | <i>178 713</i>           |
| <i>Sum</i>                                 |                             | <i>338 640</i>                  | <i>22 144</i>                   | <i>202 130</i>                  | <i>562 914</i>           |
| <i>Reported volume</i>                     |                             | <i>356 405</i>                  | <i>24 333</i>                   | <i>208 466</i>                  | <i>589 204</i>           |
| <i>Number of trips</i>                     |                             | <i>299</i>                      | <i>56</i>                       | <i>185</i>                      | <i>540</i>               |
| <i>Average load<br/>m<sup>3</sup>/trip</i> |                             | <i>1 192</i>                    | <i>435</i>                      | <i>1 127</i>                    | <i>1 091</i>             |

Table 1. Dredged volumes in 2017. Dredged volumes in the areas are calculated from surveys.

Figures 1 and 2 show maps with dredging areas. Figures 3 through 14 show climate conditions at Landeyjahöfn during 2017.

Figure 1. Map showing dredging areas in spring 2017 campaign.

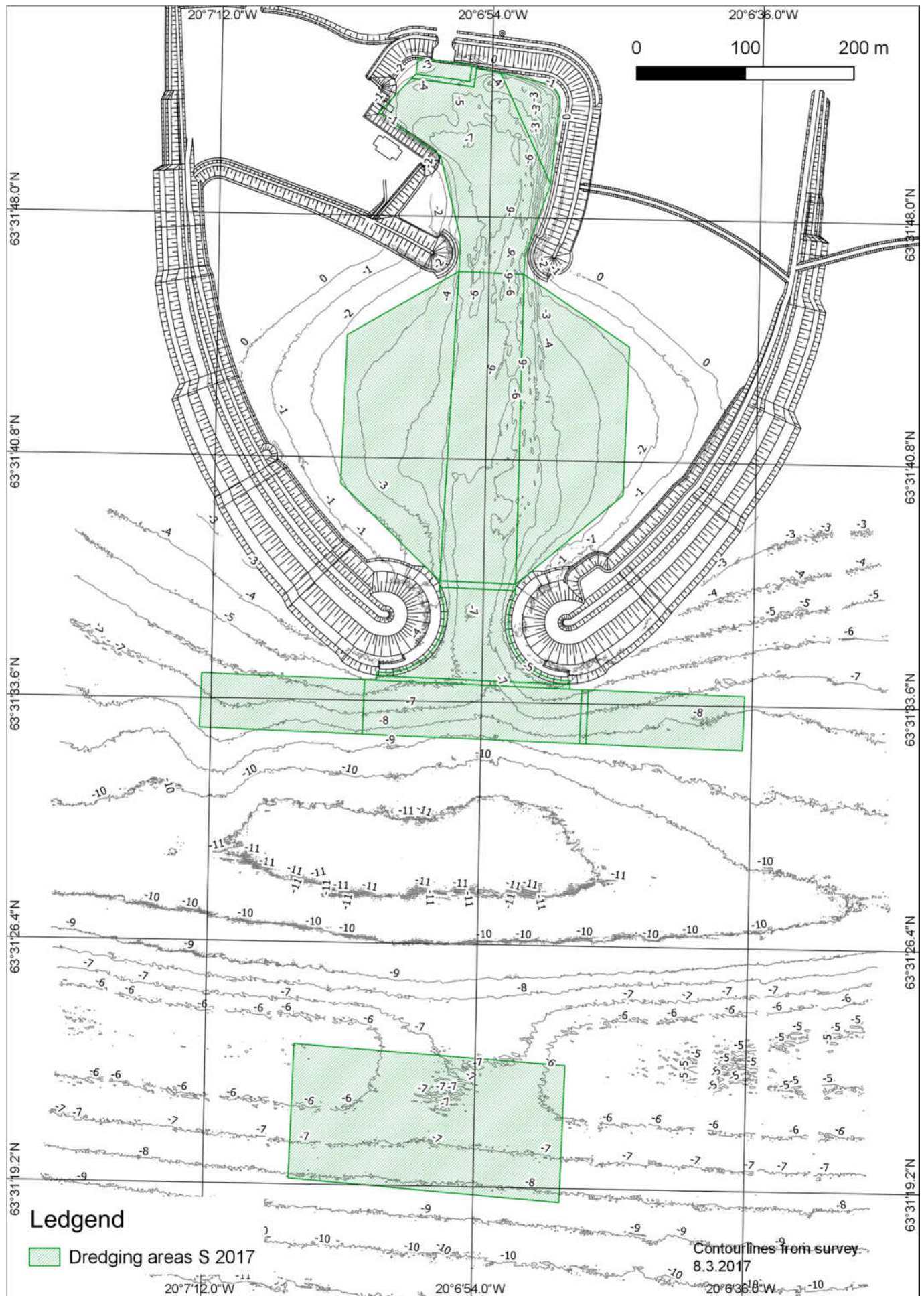


Figure 2. Map showing dredging areas in autumn 2017 campaign.

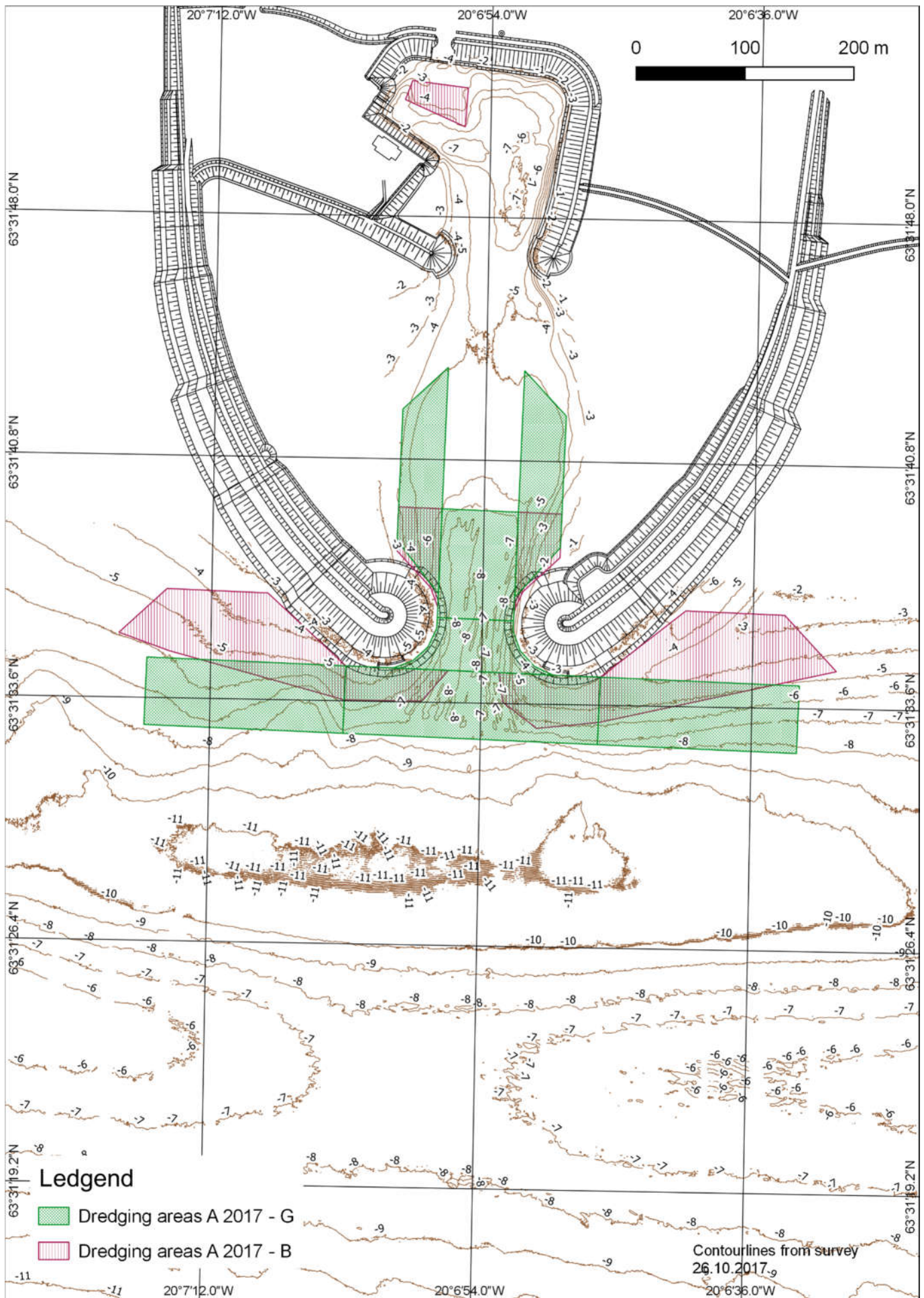


Figure 3. January 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour, and reported dredging activities in all areas.

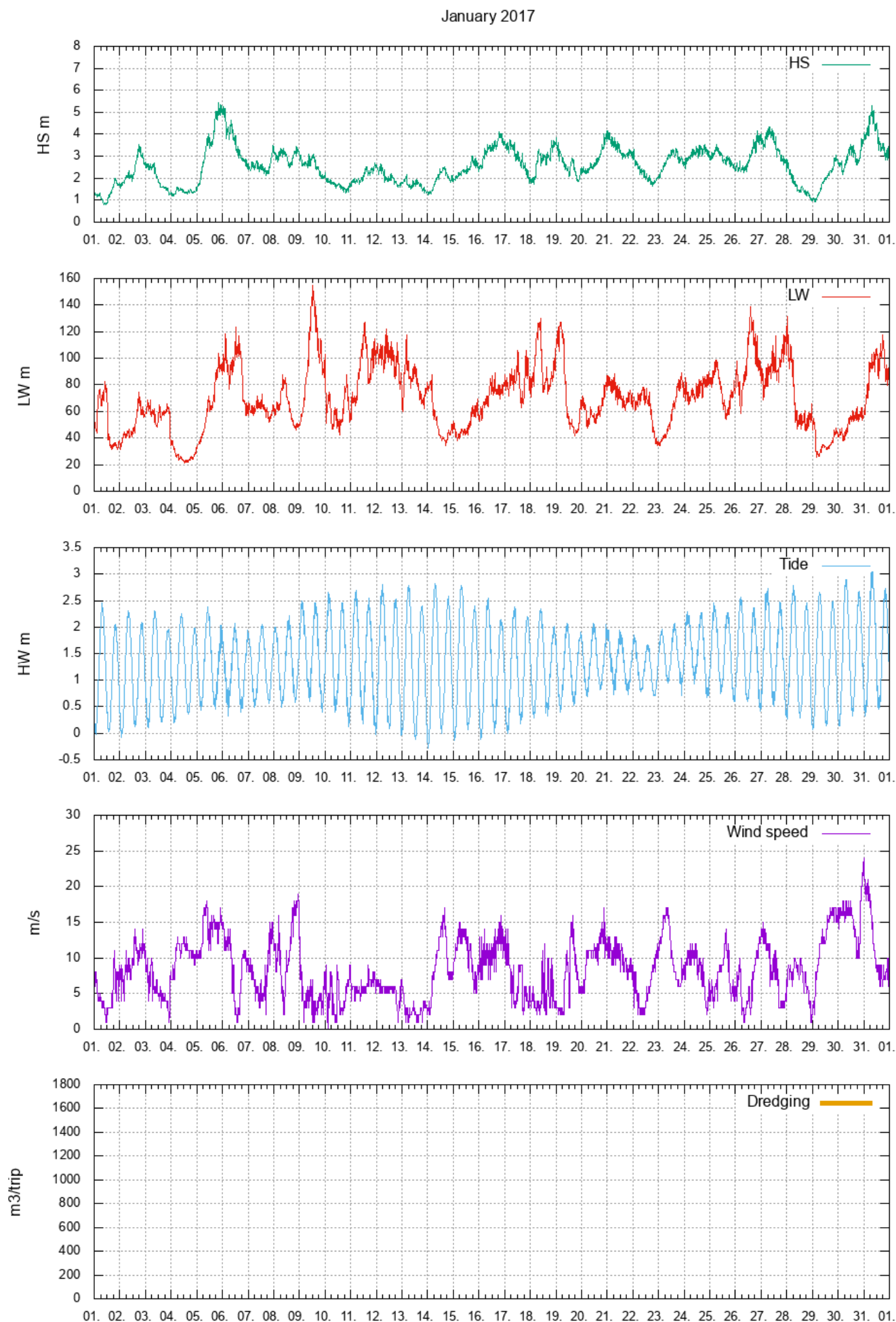


Figure 4. February 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

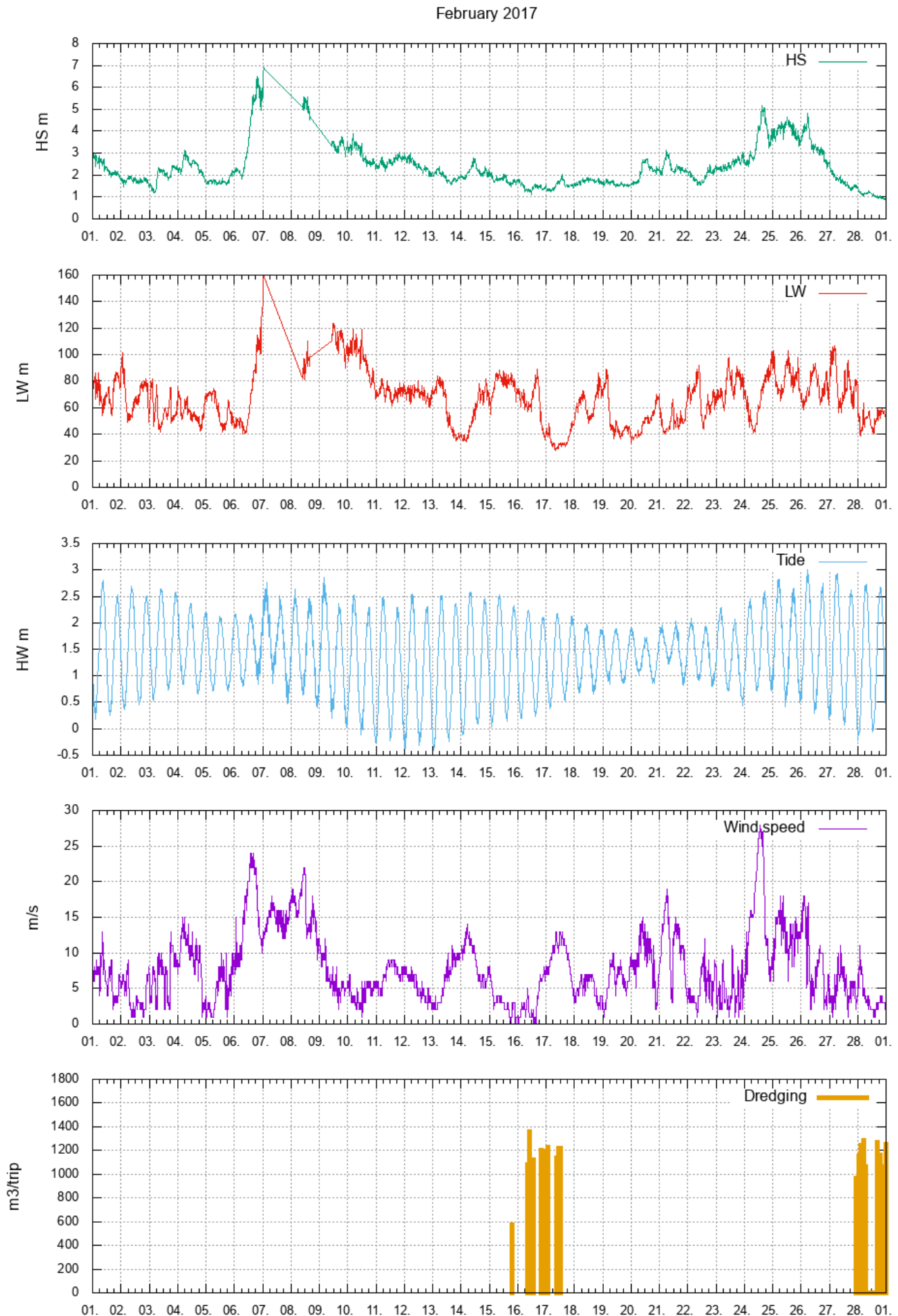


Figure 5. March 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

March 2017

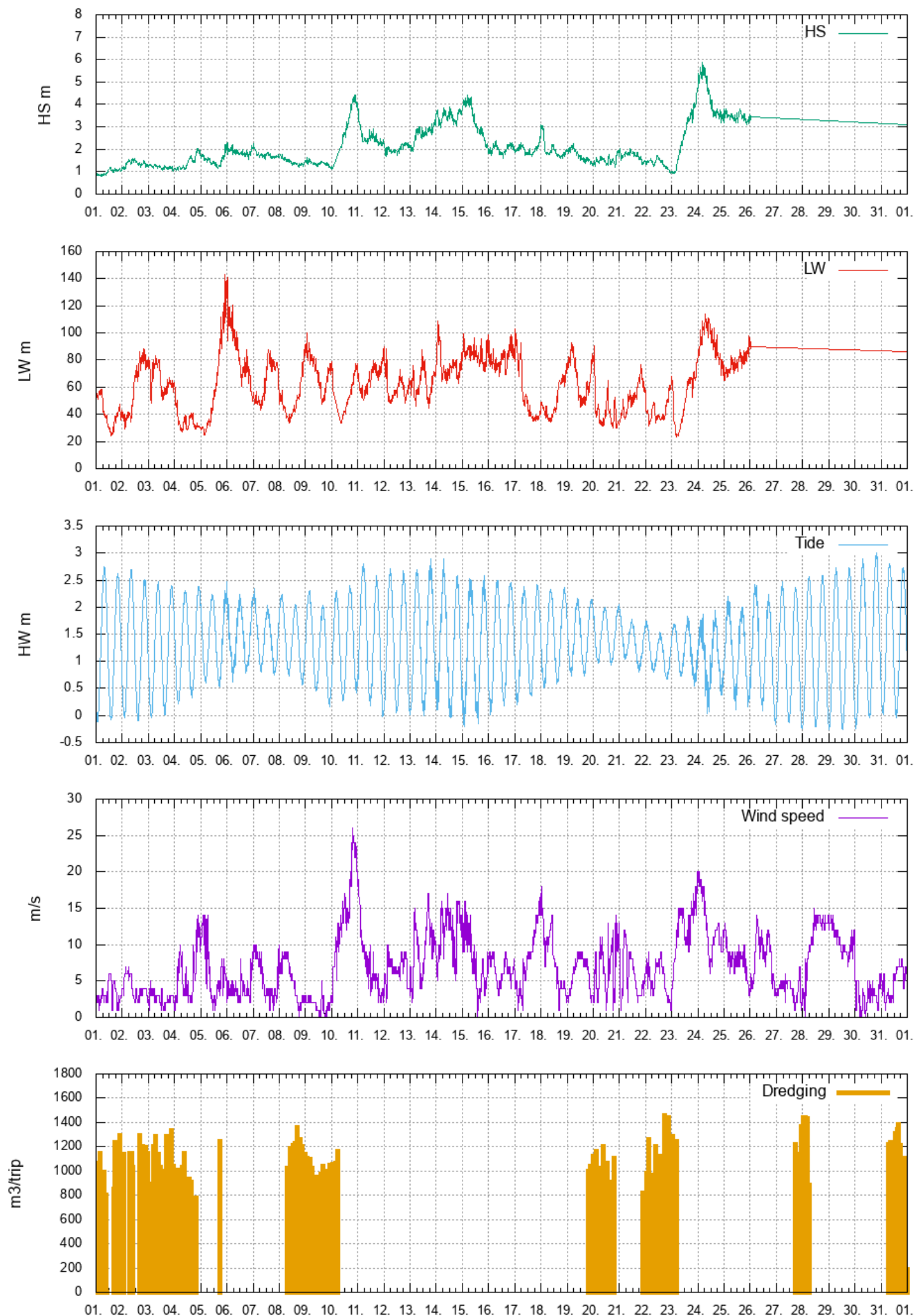


Figure 6. April 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

April 2017

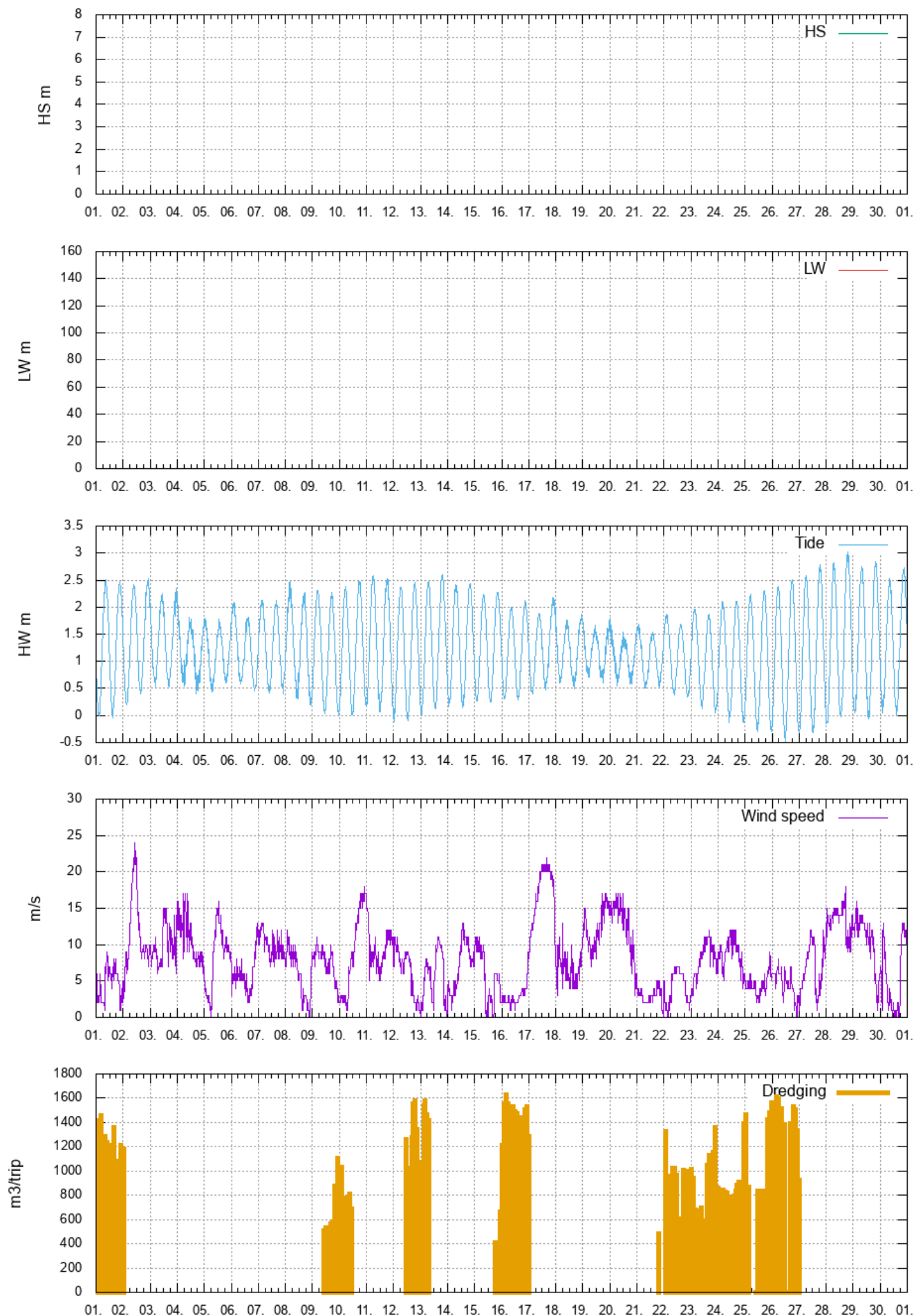


Figure 7. May 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

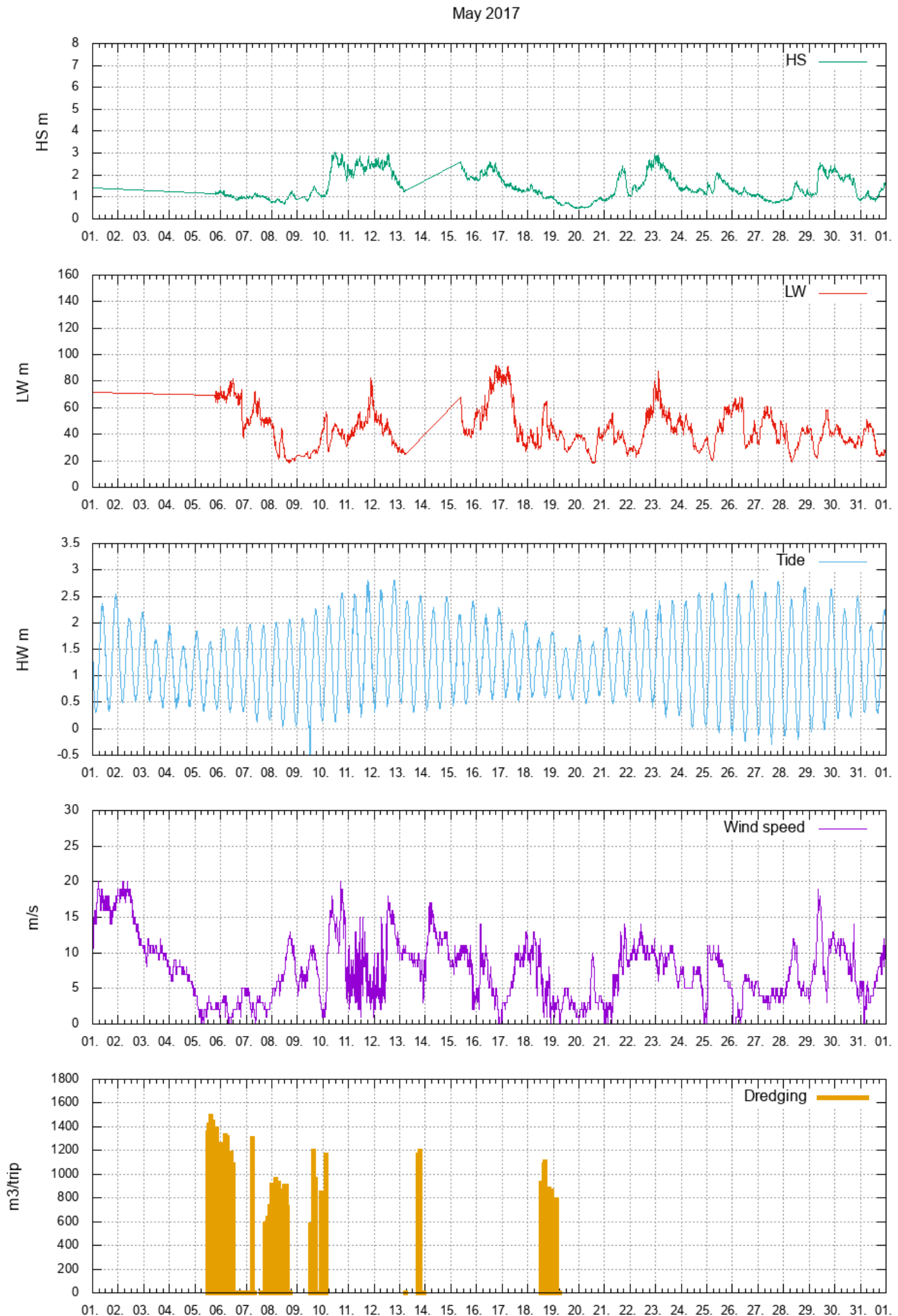




Figure 8. June 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

June 2017

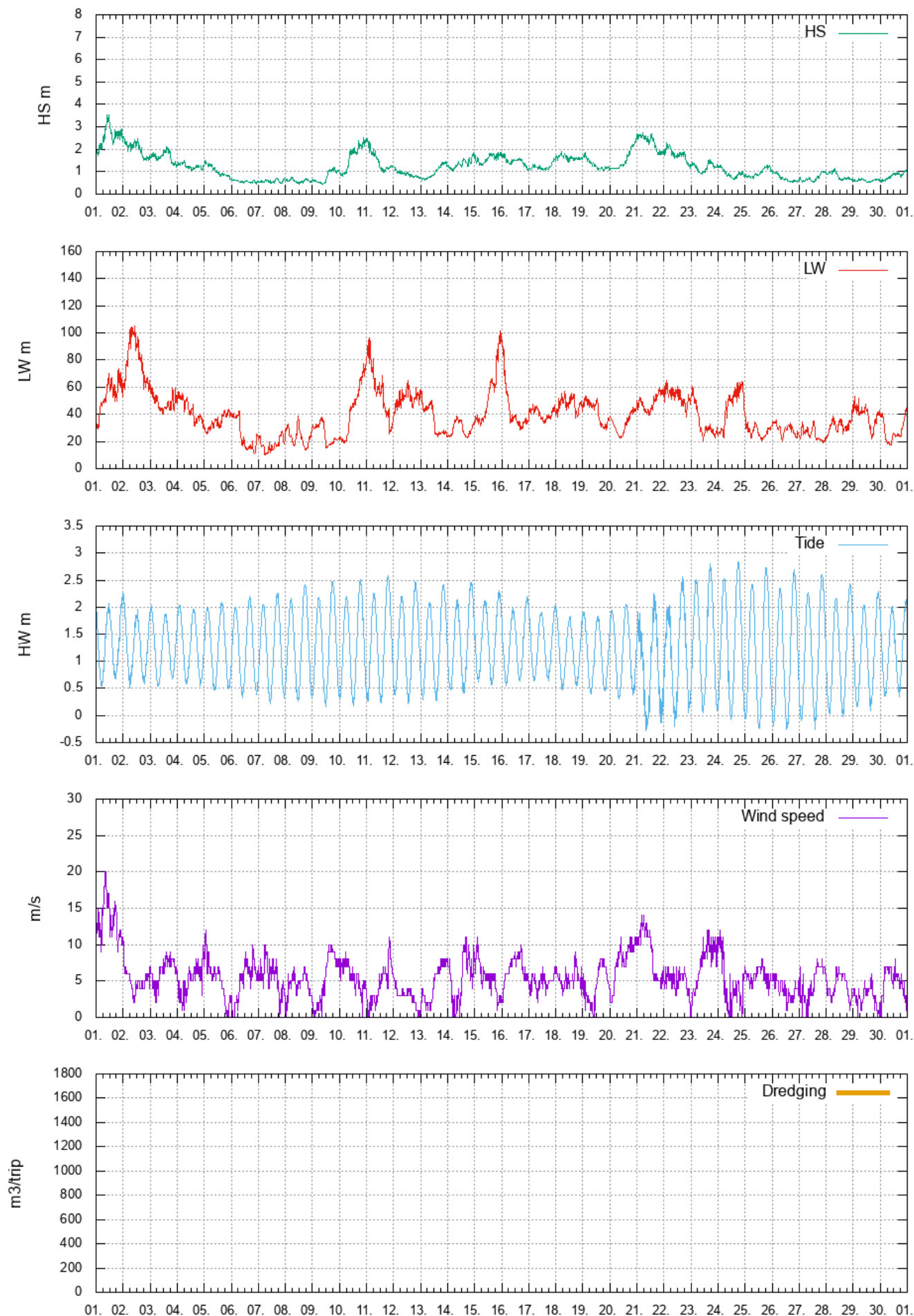


Figure 9. July 2018: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

July 2017

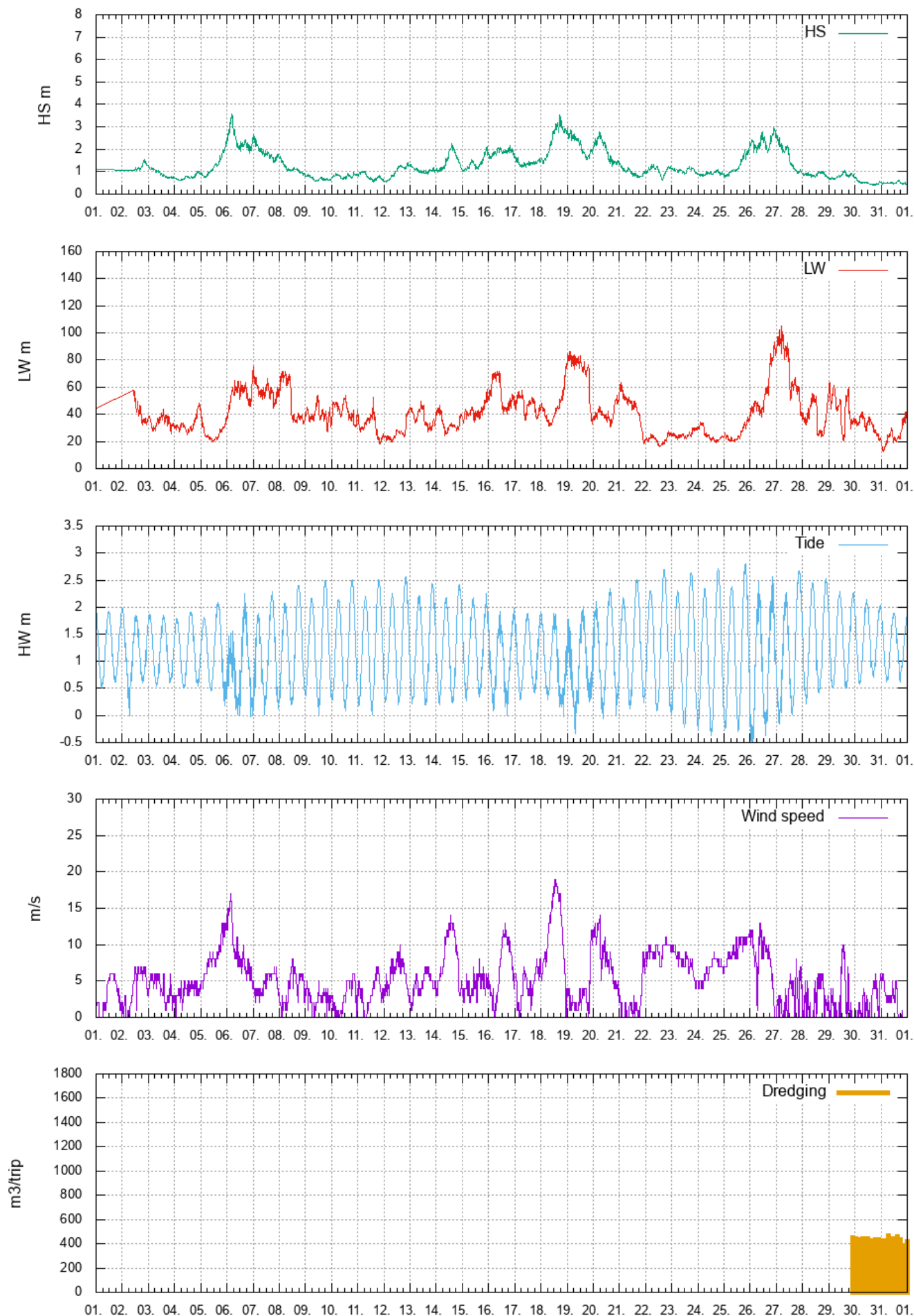


Figure 10. August 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

August 2017

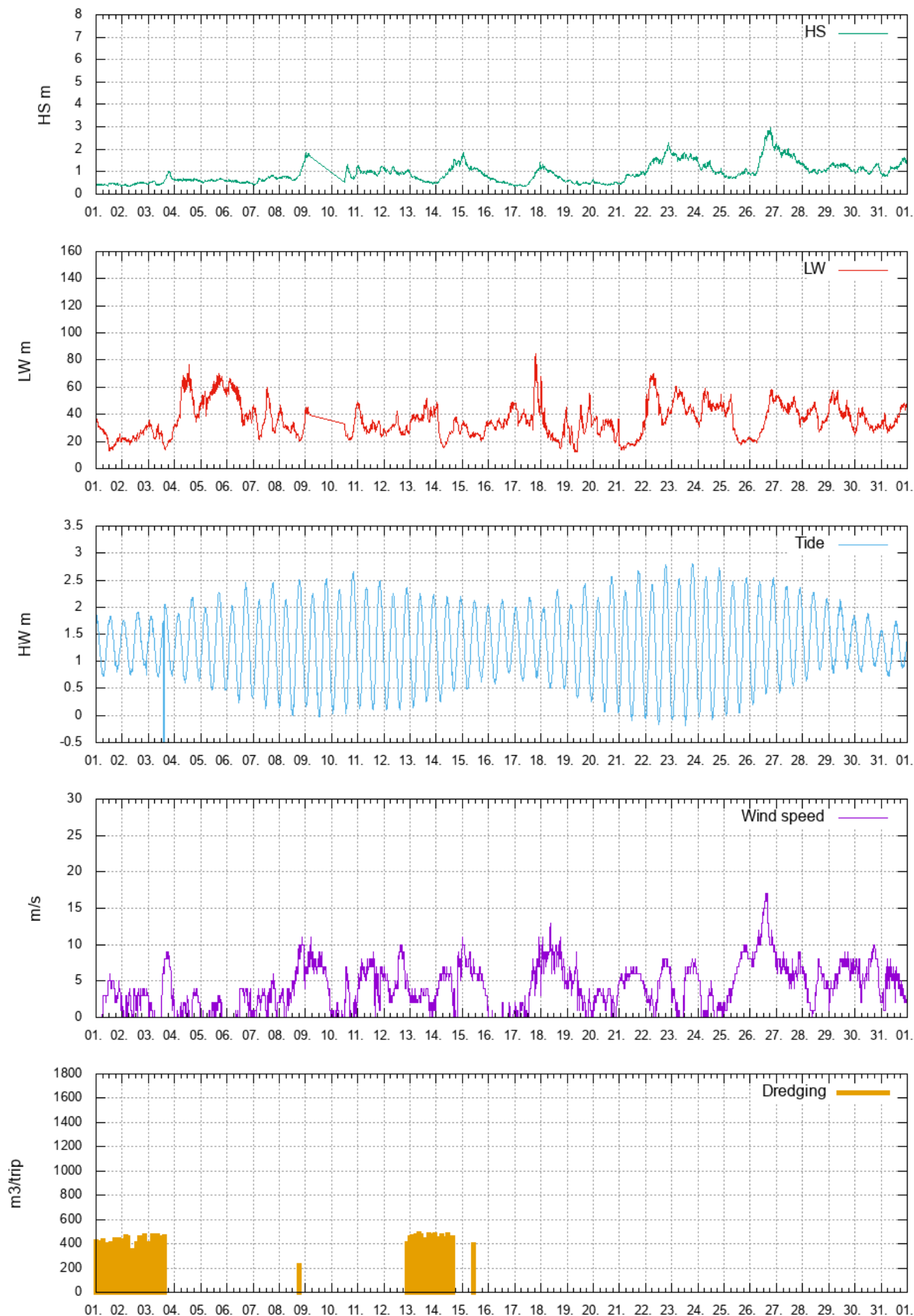


Figure 11. September 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

September 2017

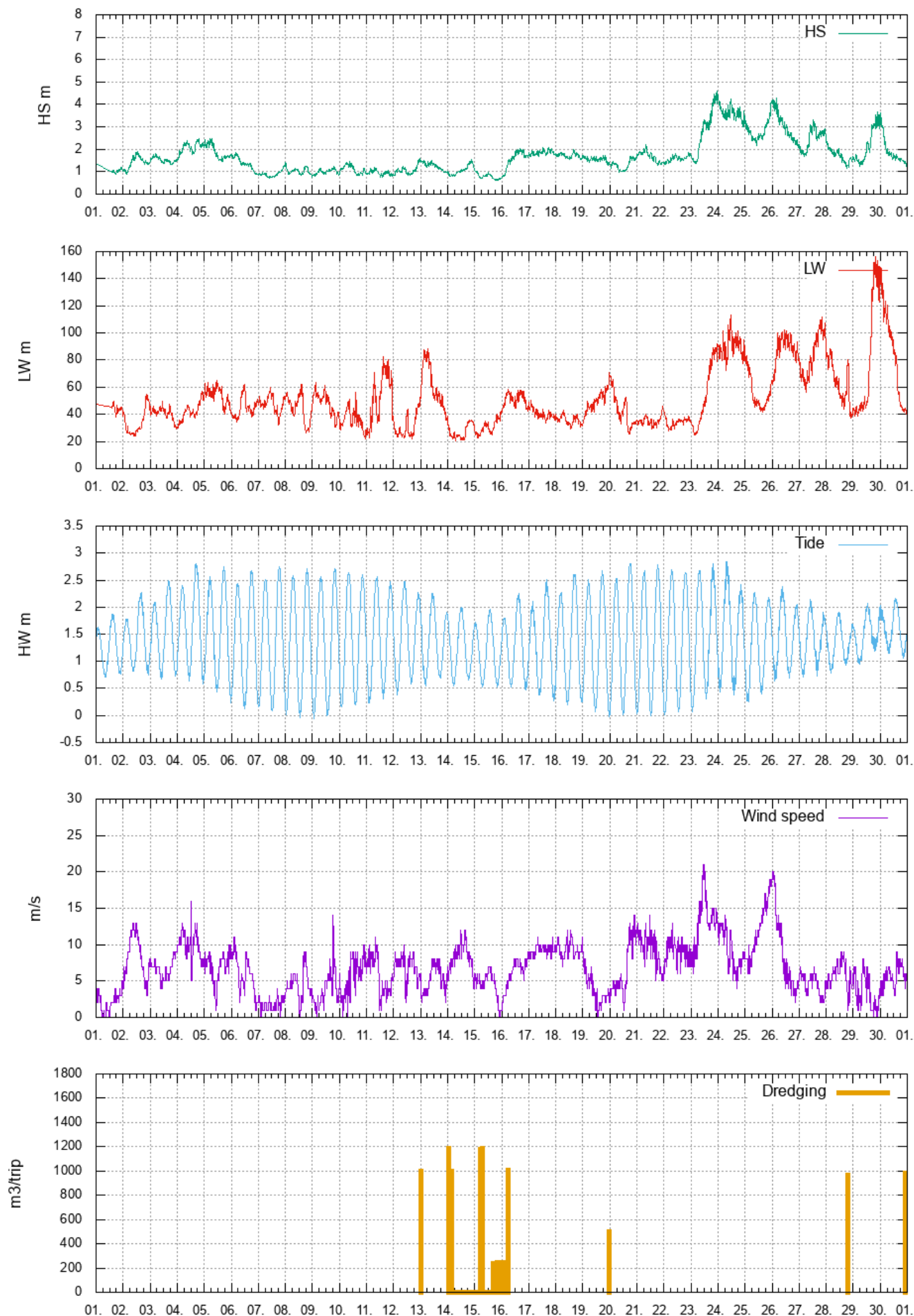


Figure 12. October 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

October 2017

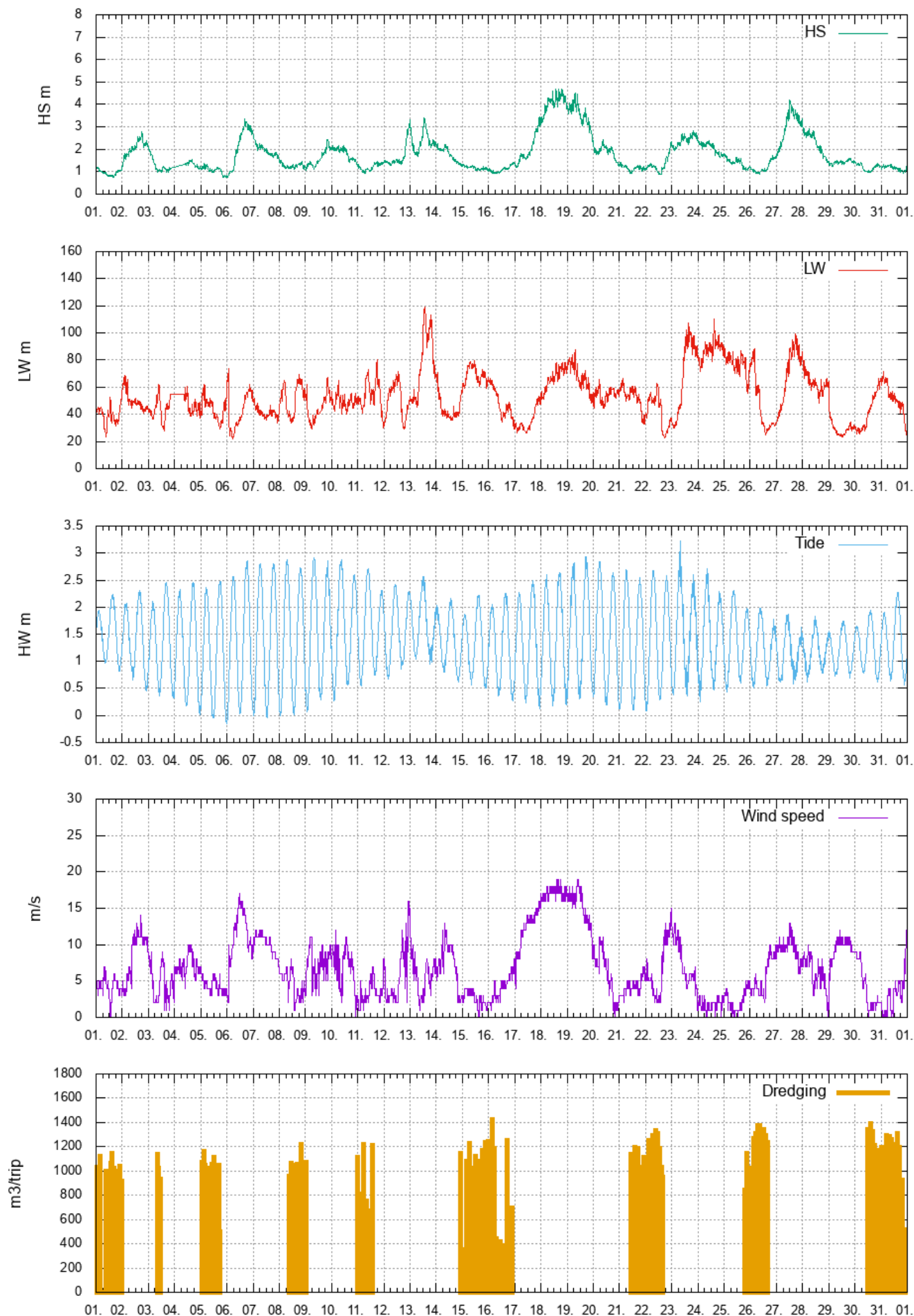


Figure 13. November 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

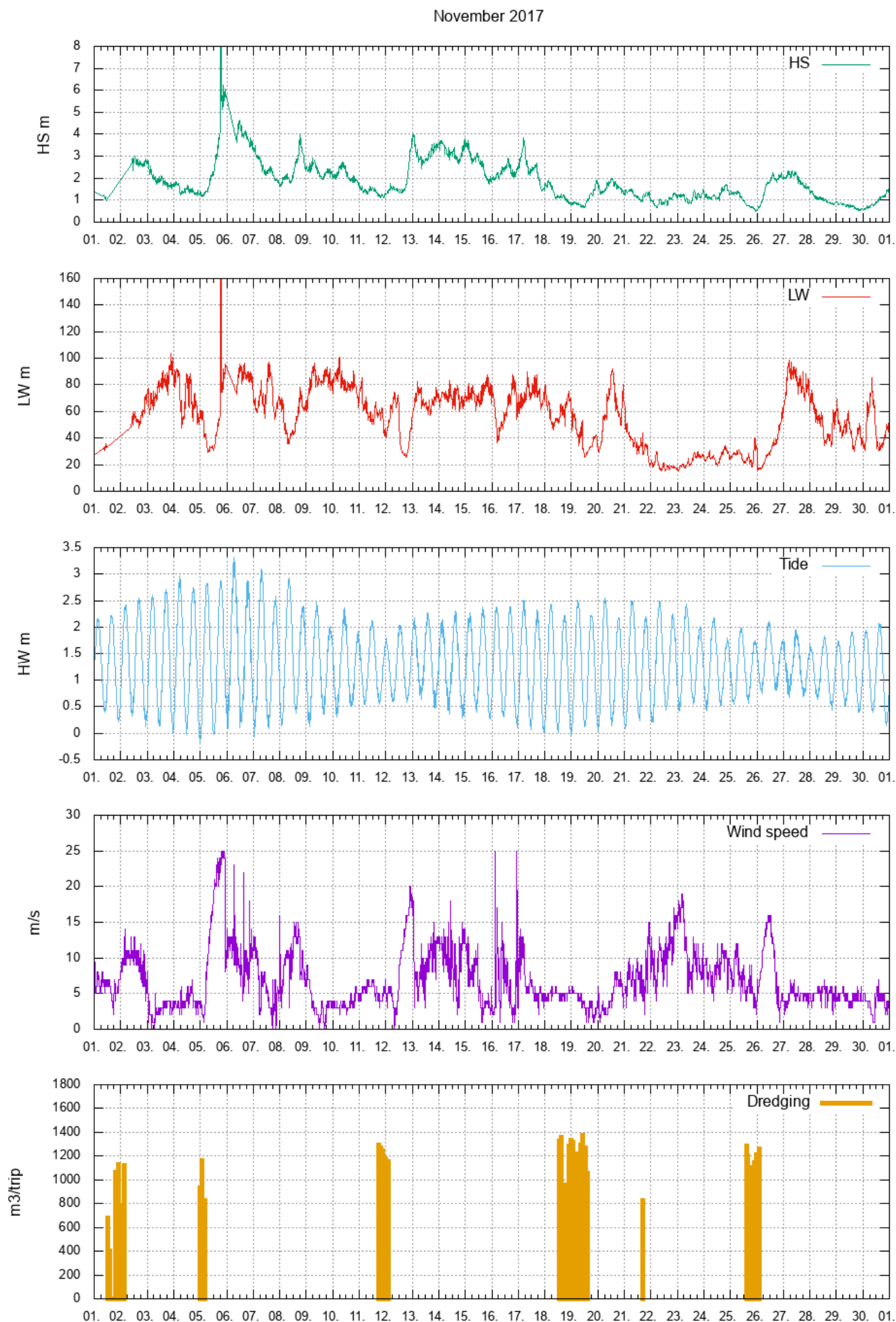


Figure 14. December 2017: Significant wave height and length on Landeyjahöfn West Waverider Buoy, tide and wind speed in Landeyjahöfn harbour and reported dredging activities in all areas.

