

"Note: There is conflicting data about the exact displacement of the S-class, with weights ranging from 5750lbs (HMCo, ca 1930) to 6750lbs (HMCo, 1935). Until more definitive information is found, the most likely correct displacement will be assumed to be **6030lbs** as calculated by NGH in his final set of pantograph hull sections and noted in his design book. Below is a list of known sources of displacement data for the S-class:

'20.5[ft] w.l. Scale 1/12. Oct[ober] 30, 1919. 3rd trial'. [Calculations arriving at a displacement of 94.7cuft = 6060lbs. On verso two more sets of penciled pantograph hull sections titled 'S Class. 20.5ft w.l. Oct[ober] 30, 1919'. One set of sections marked '1st trial' with few other calculations, the other marked '2nd trial' and accompanied by calculations arriving at a total displacement of 101cuft (= 6464lbs)]. (Source: Herreshoff, N.G. Notes on Pantograph Hull Sections. Halsey C. Herreshoff Collection at the Herreshoff Marine Museum Item MRDE04\_04940. October 30, 1919.)

'#828 Class. S rating. Scale 1in. 20ft 6in l.w.l. 19ft 7in q.b.l.' [With calculations arriving at a displacement of 94.4cuft = **6030lbs** and a wetted surface of 153.5sqft.] (Source: Herreshoff, N.G. Notes on Pantograph Hull Sections. Halsey C. Herreshoff Collection at the Herreshoff Marine Museum Item MRDE04\_05070. October 30 or October 31, 1919. [Though dated '1920' in the upper margin (possibly at some later time), these sections were probably drawn on or right after October 30, 1919, the day that NGH had drawn the third trial of these sections.]

'The original weight estimate from the NGH design notebook for the S-Class totaled to **6,030lbs.**' (Source: Langerman, Adam. Private Email Note. November 2017.)

'... one of the little S boats [S-Class] was weighed the other day, and including weight of slings, weight was 5300, slings estimated something over 100 pounds would bring it down to 5175... [Note: It is unclear if these figures include rig, equipment and/or water soaking.]' (Source: Emmons, Robert W. Letter to N.G. Herreshoff. Halsey C. Herreshoff Collection at the Herreshoff Marine Museum Item MR\_26760. Folder Subject: RESOLUTE Letters. Subject Files, Folder 7, formerly 90-95. December 19, 1920.)

'Data Relating to Herreshoff Class Boats Given to North American Yacht Racing Union, 11 Broadway, New York. S Boat. ... Weight of Outside Ballast 3350lbs. Total Weight **5640lbs.** ...' (Source: Herreshoff Manufacturing Company. Handwritten Note. Haffenreffer-Herreshoff Collection, MIT Museum, Cambridge, MA, Item No. HH.5.8083.1. January 13, 1938.)

'Weight of Hull Without Spars, Rigging, or Equipment. Open Cockpit [Version] 5251lbs. W[ater]T[ight] Cockpit [Version] 5247lbs.' (Source: Herreshoff Manufacturing Company. Note on drawing 076-130. Dated November 1919, but context suggests this note was made later.)

'Herreshoff Standard S Class Sail Boat. ... Displacement approximately **5750lbs.** ... Lead, approximately 3350lbs ...' (Source: Herreshoff Manufacturing Company. Promotional Pamphlet. No date, 1930 or later.)

'Herreshoff Standard S Class Sail Boat. ... Displacement approximately **6750lbs.** ... Lead, approximately 3350lbs ...' (Source: Herreshoff Manufacturing Company. Yachts by Herreshoff. Bristol, Rhode Island, 1937.)" (Source: van der Linde, Claas. March 11, 2022.)