

STANIEL CAY YACHT CLUB MOORING FIELDS



Field	Mooring #	Latitude / Longitude	Top Chain	Bottom Chain	Pennant	Helix Type*	Total Anchor Length	PSI	Approximate Load
South	1	24-10-189 / 76-26-844	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	500	5000-5500 lbs
	2	24-10-209 / 76-26-829	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	500	5000-5500 lbs
	3	24-10-230 / 76-26-818	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	500	5000-5500 lbs
	4	24-10-254 / 76-26-813	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	500	5000-5500 lbs
	5	24-10-274 / 76-26-803	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	500	8000-10,000 lbs
West	6	24-10-292 / 76-26-977	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	700	8000-10,000 lbs
	7	24-10-316 / 76-26-946	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	700	8000-10,000 lbs
	8	24-10-331 / 76-26-917	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	700	8000-10,000 lbs
	9	24-10-338 / 76-26-889	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	700	8000-10,000 lbs
	10	24-10-359 / 76-26-866	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	750	8500-10,500 lbs
	11	24-10-381 / 76-26-846	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	15'	750	8500-10,500 lbs
	12	24-10-401 / 76-26-817	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	15'	750	8500-10,500 lbs
	13	24-10-426 / 76-26-803	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	750	8500-10,500 lbs
	14	24-10-457 / 76-26-789	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	700	8000-10,000 lbs
	15	24-10-419 / 76-26-857	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	700	8000-10,000 lbs
	16	24-10-438 / 76-26-832	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	600	6500 -7000 lbs
	17	24-10-454 / 76-26-815	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	16'	600	6500 -7000 lbs
North	18	24-10-626 / 76-26-614	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	600	6500 -7000 lbs
	19	24-10-652 / 76-26-604	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	600	6500 -7000 lbs
	20	24-10-681 / 76-26-597	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	600	6500 -7000 lbs
	21	24-10-704 / 76-26-589	3/4" x 15'	3/4" x 15'	1" x 10'	Triple 14s	13'	600	6500 -7000 lbs

*Note: "Triple 14s" means three 14" diameter blades on the anchor shaft

Use this Chart below to translate holding power into the expected wind conditions and size of vessel in question.

The calculated loads below are approximate.

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LOA	Beam (Feet)		Wind (Knots)		
	<i>Sail</i>	<i>Power</i>	<i>30</i>	<i>42</i>	<i>60</i>
			<i>Loads applied in POUNDS</i>		
25	8	9	490	980	1440
30	9	11	700	1400	2800
35	10	13	900	1800	3600
40	11	14	1200	2400	4800
50	13	16	1600	3200	6400
60	15	18	2000	4000	8000

NOTE:

As a guide of estimating loads in different winds, a good rule of thumb is that if wind speed doubles, load quadruples. For example, the load on a 40-foot vessel in an 84-knot wind will be approximately 9,600 pounds.