

CAPISTRANO BAY DISTRICT
AGENDA REPORT
February 28, 2023

Old Business

ITEM 9a

Mean High Tide Line Survey (MHTL)

Below is the chart of MHTL measurements taken on January 17th. Included in the chart is the data from the summer survey conducted on June 21st of last year, for comparison. At most survey locations, the MHTL has advanced landward a bit, but not consistently across the beach. This variation is due to the way the sand either accumulates or erodes at any given transect.

Calculating the overall average change, using the chart below, you can see that the MHTL has advanced landward (closer to the homes) by an average of roughly 4 feet from June 2022 to January 2023.

***the control points are established monuments placed on the seaward edge of patios or decks at the addresses noted on the chart.*

DISTANCE FROM CONTROL POINT TO MEAN HIGH TIDE LINE

CONTROL POINT	ADDRESS	DATE OF SURVEY	DATE OF SURVEY
		06-21-22	01-17-23
PT. #051	35051 BEACH RD	31.83'	36.55'
PT. #067	35067 BEACH RD	33.12'	31.71'
PT. #101	35101 BEACH RD	50.78'	43.18'
PT. #135	35135 BEACH RD	56.15'	60.85'
PT. #171	35167 BEACH RD	52.44'	32.62'
PT. #201	35197 BEACH RD	60.77'	74.84'
PT. #245	35245 BEACH RD	76.22'	71.57'
PT. #252	35285 BEACH RD	93.03'	86.81'
PT. #321	35321 BEACH RD	85.48'	71.10'
PT. #361	35361 BEACH RD	62.67'	54.62'
PT. #395	35401 BEACH RD	66.98'	63.12'
PT. #53	35431 BEACH RD	89.55'	88.16'
PT. #485	35491 BEACH RD	81.64'	73.70'
PT. #527	35527 BEACH RD	74.44'	45.32'
PT. #575	35571 BEACH RD	55.96'	51.78'
PT. #625	35625 BEACH RD	32.94'	12.05'
PT. #657	35661 BEACH RD	11.97'	17.32'
PT. #685	35687 BEACH RD	34.48'	31.23'
PT. #735	35737 BEACH RD	23.29'	23.76'
PT. #777	35781 BEACH RD	33.41'	27.37'
PT. #821	35821 BEACH RD	53.82'	81.64'
PT. #851	35851 BEACH RD	51.19'	48.13'