

CAPISTRANO BAY DISTRICT
AGENDA REPORT
March 31, 2009

Committee Reports

ITEM H.1

Installation of Video Camera to Record Sand Movement

In presenting this concept to the community there was some concern voiced by a member of the LCP Committee, Jack Tarr, regarding the accessibility of the video-recorded data by the public at large and more importantly, by a public agency such as the Coastal Commission. A meeting of the LCP Committee was called and the topic thoroughly discussed. Committee members in attendance at the meeting held on March 5th included:

- Jack Tarr
- Wayne Schafer
- Joe Dunn
- Alex Martinez
- District Manager Don Russell
- Tim Chandler, President of CoastalComs (data collection contractor)

The process by which a simple stationary-mounted video camera can record a sweep of the beach and translate that information into such things as Mean High Tide Line, Mean Sea Level, sand elevations, distances to the water line, etc. is extremely technical and complicated. Mr. Chandler explained to the satisfaction of the committee how this translation of video-recorded data is accomplished and additionally, how safe and inaccessible the recorded data is to members of the public.

In June of each year, the District conducts a manual survey of the beach recording MHTL and beach cross-sections showing sand elevations at 10 foot intervals along the transects out to knee deep in the water. The LCP Committee is curious to compare the manually collected data from the survey team to the video-recorded data of the stationary camera on the roof of 35051. Accuracy will be the key item for comparison. Also of concern will be the future cost of placing more cameras on other roofs along our beach provided the accuracy of the video camera process is acceptable and affordable. As an added value of a future video camera system is the element of security, monitoring for loose dogs and illegal beach fires, trespassers, etc.