

While at Pacific City at 11:00 A.M. took several photos of surf between Haystack Island and Cape Kiwanda.

841103-1 surf striking rock (base of cliff) see red. enclosure on drawing below for orientation  
 841103-2 general surf action  
 841103-3 " " "

Black-orange - black (1") caterpillar on beach.

Observed several times a full wave ride up approx. 50 feet of the outermost point and cascade down the S.W. slope, an

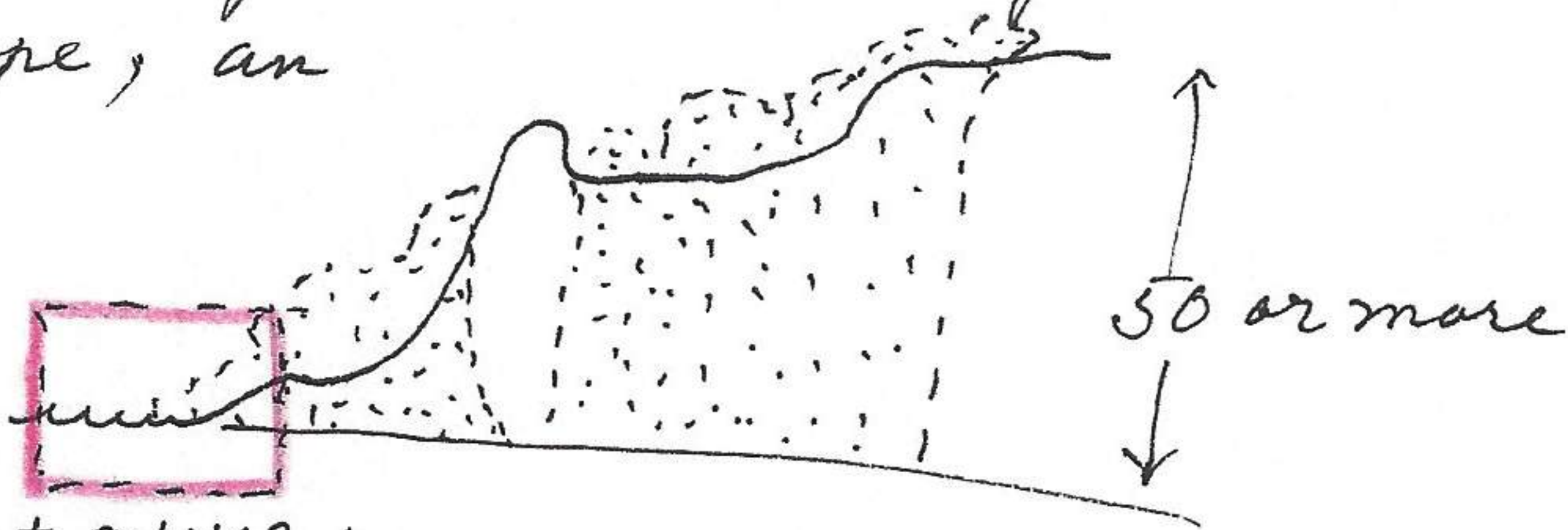


photo 841103-1

excellent example of hazardous position on such a ridge during high surf. One would never realize that a surf could effect a slope so high above the

normal surf level. The new side has a curved wall profile . I found out that several people have lost their lives on this point because of being washed off the point by this wall climbing surf. As a result an extensive fence barrier now inhibits trespass onto the point. This action of water on cliffs must have some important relation to successful or unsuccessful nesting of birds.

This area of the cape, especially on W exposure has a very dynamic surf and a thrill to observe at a distance.

The high tide of last night or whenever it occurred between late evening and this afternoon placed debris 5 feet above high tide profile on slope  because of heavy seas of the last 2 days.   
 debris.  
 high tide mark

One of the peculiarities of this area and particular wild ocean is the surf. Even at low tide a surge of surf will drive water up to the high tide mark on beach. This generally results from withdrawal of water, in some cases over 300' from normal surge on beach and then higher incoming waves send the surf water clear to high tide mark on head of beach. This movement can be hazardous if one is not alert to such variation in surf variations.