

# **APPENDIX E-7**

*Technical Memo: Intertidal Habitat and Bio  
Community Survey at Proposed Kayak Launch Site*



## Technical Memorandum

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**Subject:** *Intertidal Habitat and Biological Community Survey at the Proposed Kayak Launch Site Located at the Vallejo Municipal Marina; Vallejo Marine Terminal CEQA Project.*

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**Date:** *July 1, 2015*

On Wednesday, July 1, 2015, at 7:45 AM, marine scientists from Applied Marine Sciences conducted a qualitative assessment of the intertidal zones at the southern end of the Vallejo Municipal Marina. The surveyed location (Figure 1) is the proposed site for a new kayak launch facility constructed as part of the VMT marine terminal in Vallejo, California. The tide was approximately -0.8 feet at the time of the survey, which was low enough to expose the low intertidal zone. Substrate habitat throughout the intertidal area of the surveyed location was comprised of small, quarried rock, ranging in size from 4 to 12 inches.

The high intertidal zone extended over an approximately 7-foot range from its upper edge to the start of the middle intertidal zone. Reed rack was observed at the top of the zone and the algae *Ulva spp.* was present throughout the zone.

The mid intertidal zone ranged over an additional 7 feet, extending from the lower edge of the high intertidal zone to the beginning of the lower intertidal zone. There was moderate siltation observed on all the rocks, which made differentiating the middle intertidal zone from the low intertidal zone somewhat difficult. *Ulva spp.* was again the dominant taxa with the occasional occurrence of an encrusting diatom.

The low intertidal zone ranged from the lower edge of the middle intertidal zone to the waters edge, extending over 12 feet in length along the rocky shoreline and showed evidence of heavy siltation. Encrusting diatoms were the dominant taxa in this zone with the algae *Ulva spp.*, an unidentified Serpulid worm (tube worm), and barnacles being commonly observed.

No special status or sensitive species were observed by the field team during this assessment.



Figure 1: Proposed location of kayak launch ramp at the Vallejo Municipal Marina. (Map Source: Google Earth)