

5090
Ser 18311TB/7013
15 Apr 1997

From: Commanding Officer, Engineering Field Activity, West, Naval Facilities Engineering Command
To: Distribution

Subj: ECOLOGICAL ASSESSMENT: TISSUE COLLECTION AT NAS ALAMEDA

1. During February and March 1997, the Navy conducted extensive sampling efforts to collect invertebrate tissue in the wetland ponds at NAS Alameda. The Navy collected approximately 5 grams of invertebrate tissue.
2. The 5 grams of invertebrate tissue, which are beetle larvae of the family Dytiscidae, were all collected in the western pond of the Runway Wetland. No tissue samples could be collected in the West Beach Landfill Wetland area although additional efforts were conducted in an effort to collect sufficient tissue for analysis.
3. The lab had requested 50 grams for all the desired analytes. Only 5 grams was collected and therefore we were required to limit the number of chemicals for analysis. DDT, PCBs, Hg and Zn exceeded the wetland cover values in the Runway Wetland as reported in the 1996 Ecological Assessment. In addition, these chemicals are among the most likely to bioaccumulate and would most likely be the subject of an exposure assessment for upper trophic level species feeding in the wetlands. The 5 grams of tissue only provided enough extract to run pesticides/PCBs and Hg but not SVOCs and organotins.
4. After discussions with representatives from the RWQCB, DTSC and the EPA, the Navy proceeded with the analysis for pesticides/PCBs and Hg.
5. If you have any questions please call me at 415-244-2596 or email me at tsbernhard@efawest.navy.mil



TERESA BERNHARD
By direction

Copies to:

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California Department of Toxic Substances Control (Attn: Jim Pollisini)
California Regional Water Quality Control Board (Attn: Lyn Suer)
California Regional Water Quality Control Board (Attn: Susan Gladstone)
California State Water Resources Control Board (Attn: Cary Anderson)
U.S. Environmental Protection Agency (Attn: Anna-Marie Cook)

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U.S. Environmental Protection Agency (Attn: Ned Black)
National Oceanographic and Atmospheric Administration (Attn: Laurie Sullivan)
U.S. Fish and Wildlife Service (Attn: Jim Haas)
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NAS Alameda (Attn: Steve Edde)
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