

Testimony of Coleen Lund

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3 I hold the position of Project Manager within the Santa Barbara County Parks
4 Department. I am a licensed Professional Engineer in Civil Engineering. I have worked for the
5 County of Santa Barbara for 20 years and have been employed within the Parks Department
6 since 1989. Major job duties within the County Park Department include the oversight of
7 capital projects; management of outside professional, engineering and architectural consultant
8 contracts for park related projects; grant writing; oversight of the parks capital outlay budget. I
9 supervise a Civil Engineer Associate and Parks Planner within the department. I report directly
10 to the Director of County Parks.

11 My testimony uses information from the December 2000, Flowers & Associates,
12 Cachuma Lake Surge Analysis Preliminary Report (County's Exhibit 7, attached), and the Draft
13 Environmental Impact Report ("DEIR"), dated August 2003, for Consideration of Modifications
14 to the U.S. Bureau of Reclamation's Water Right Permits 11308 and 11310 to Protect Public
15 Trust Values and Downstream Water Rights on the Santa Ynez River below Bradbury Dam
16 (Cachuma Reservoir).

17 The DEIR analyzes two different surcharge levels (other than the 0.75' that can already
18 be implemented) in order to provide down stream flows for the endangered steelhead trout. The
19 first stage of surcharge is 1.8' feet above current lake level of 750 ft., surcharging to elevation
20 751.8. The second and highest level of surcharge proposed is 3' feet above current lake level,
21 surcharging to elevation 753.

22 Wave inundation, as described in the December 2000, Flowers & Associates, Cachuma
23 Lake Surge Analysis Preliminary Report, and included in County's testimony as Exhibit 7, is a
24 reality in the Lake Cachuma environment which I have personally observed. The erosive impact
25 that waves cause must be considered in reviewing the facilities located within the wave impact
26 zone. As stated in the Flower's & Associates report (Exhibit 7, p.4), Moffatt and Nichol
27 Engineers recently prepared (*June 2000*) a design for proposed marina improvements at the lake
28 that required development of a design storm for the proposed improvements. The design storm