

EXHIBIT A

- **Task 1 – Analyze Groundwater and Surface Water Data:** Existing data and reports will be used to assemble a comprehensive summary of historic and current conditions for surface and groundwater resources. This task will focus on water quantity and evaluate trends in the data over time. Available data will be assembled and analyzed to assess relationships between reservoir inflow, outflow, and changes in groundwater storage.
- **Task 2 - Assess Sediment Transport Conditions:** Existing data will be reviewed and compiled to evaluate the dominant erosion processes in the watershed, the key sources and the nature of those sources (natural versus anthropogenic), and the ultimate fate of the sediment. Existing reports, measured suspended and bed load transport data, TMDL analysis, reservoir sedimentation survey data, and existing aerial photos will be used. If adequate data are available a preliminary sediment budget will be prepared.
- **Task 3 – Assess Groundwater Quality:** Existing database information, reports, and published water quality standards developed by the State will be used to evaluate the quality of groundwater in the groundwater basins evaluated in Task 1. Summaries of groundwater quality will be evaluated in relation to water quality standards and the stated beneficial uses of the water.
- **Task 5 - Historic Aerial Photo Analysis:** Current and historic aerial photos will be used to evaluate changes in river morphology and extent of the riparian canopy along higher order channels of the watershed. GIS layers will be produced to represent a time series of the location of mainstem channels and riparian area extent. Statistics will be generated for each time series such as riparian acreage, by watershed, and channel parameters such as sinuosity. Current aerial photos will also be used to identify and map significant erosion features such as landslides and bank failures. The level of detail provided will be dependent on the resolution of the aerial photos.
- **Draft and Final Technical Memorandum:** The information and analysis prepared as part of Tasks 1 through 3 will be compiled in a Draft Technical Memorandum and submitted in PDF format for review. Compiled comments in written format will be reviewed and incorporated, where appropriate, into a Final Technical Memorandum to be included as an Appendix to the WRI.

January 23, 2008

Stephnie Wald
Watershed Projects Manager
Central Coast Salmon Enhancement
592 S. 13th Street
Grover Beach, CA 93433

RE: Nacitone Watershed - Hydrology

Dear Ms. Wald,

At your request I have prepared a Scope of Work and budget to assist Central Coast Salmon Enhancement in several technical areas of the Watershed Resources Inventory for the Nacimiento and San Antonio Creek (Nacitone) assessment areas. Swanson Hydrology + Geomorphology (SH+G) will provide the staff and resources, per the budget outlined in the attached spreadsheet, to conduct the assessment items per the tasks described below. The work conducted in the tasks described below will be written up in a Technical Memorandum for review by the project team.

You have provided a list of six tasks, by order of priority, that staff has recommended for completion by a hydrologist within a budget limit of \$30K. After review of the list of potential tasks and the level of effort that would be required to complete each, we feel that our office can complete Item's 1 through 3 and 5. We determined that Item 4 is outside the realm of a hydrologist's expertise, although the summary information that will be provided as part of Items 1 through 3, combined with the population summary already included in the Preliminary Draft WRI, would allow you to efficiently address that task item.

Completing the requested analysis on Items 1, 2, 3, and 5 will require the following tasks:

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- **Task 2 - Assess Sediment Transport Conditions:** Existing data will be reviewed and compiled to evaluate the dominant erosion processes in the watershed, the key sources and the nature of those sources (natural versus anthropogenic), and the ultimate fate of the sediment. Existing reports, measured suspended and bed load transport data, TMDL

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analysis, reservoir sedimentation survey data, and existing aerial photos will be used. If adequate data are available a preliminary sediment budget will be prepared.

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We look forward to working with you on this project. If you have any questions or concerns about our proposed work plan and budget, feel free to contact me at 503-230-9204.

Sincerely,

John Dvorsky
Senior Associate
Swanson Hydrology and Geomorphology

Table 1 - Budget Proposal

Nacitone Watershed Resources Inventory - Hydrology Technical Elements					
TASKS	Hydrology Swanson \$150	Hydrology Dvorsky \$110	Technical Assistant Walls \$80	Admin \$50	
Task 1: Analyze Groundwater and Surface Water Data	2	24	40		\$6,140
Task 2: Assess Sediment Supply Conditions	2	20	32		\$5,060
Task 3: Assess Groundwater Quality		6	32		\$3,220
Task 5: Aerial Photo Analysis	4	16	40		\$5,560
Prepare Draft and Final Technical Memorandum	6	40	24		\$7,220
Meetings and Project Administration		12		6	\$1,620
Primary Task Subtotal:					\$28,820
EXPENSES					
Mileage and Incidentals					\$300
Direct Expenses (report reproduction)					\$500
Total					\$29,620