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STATE OF CALIFORNIA
THE RESOURCES AGENCY
DEPARTMENT OF WATER RESOURCES
P. O. Box 388
SACRAMENTO, CALIFORNIA 95802

April 14, 1976

ER15

into E7.6-10288
CR-144654

Progress Report #3

NASA Contract # NAS5-20945, Investigation #2319B

A. Problems - None encountered.

B. Accomplishments - Recent meetings with the Stanford Research Institute (SRI) researchers have been used to better define what SRI can accomplish with their \$10,000. We decided that because of the limited amount of money available, most of SRI's work would be concentrated in the Suisun Bay portion of the San Francisco Bay Delta System. The Suisun Bay area appears to offer the widest range of water quality fluctuations - fluctuations which have a visible impact on the water surface. SRI is now in the process of preparing a movie of all available imagery of Suisun Bay for the past year. This should be completed by the end of May and will use approximately \$6 to 7 thousand of their money. After this task is completed, we will decide how to best use the remaining funds.

The remaining U-2 flights have been tentatively scheduled for May 3 and May 20. Arrangements are now being made to collect ground truth data.

During the past few months I have been reviewing data from various agencies to determine the availability of water quality data at the time of satellite overflights. One development in this data search has been the uncovering of several similar investigations (evaluation of some aspect of water quality by remote sensing) in the study areas. Data from these reports may be helpful in filling in some of the gaps resulting from the limited scope of the current study.

C. Significant Results - None to date.

D. Publications - None (E76-10288) [WATER QUALITY CONDITIONS IN THE SUISUN BAY PORTION OF THE SAN FRANCISCO BAY DELTA SYSTEM] Progress Report

E. Recommendations - None (California State Dept. of Water Resources) 2 p HC \$3.50 CSCI 08B

F. Funds Expended - As of April 1, 1976, SRI had only spent \$600 of their \$10,000. Although it is difficult to determine the exact amount spent by state agencies, it is on the order of \$4000 (approximately one man-month) out of a total commitment of \$12,000.

G. Data Use

<u>Value of data allowed</u>	<u>Value of data ordered</u>	<u>Value of data received</u>
\$2400.00	\$1380.00	\$1380.00

As of April 1, 1976.

N76-21655

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- H. Aircraft Data - As of yet I have ordered no aircraft data. This delay in ordering is because there are more images than I can afford to purchase and I would like to wait until after the May flight so I have all images available from which to make the most effective selections.

RL Brown

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