To: Salton Sea Science Subcommittee Members

Enclosed is a copy of the Salton Sea salinity model which was alluded to during our meeting on April 22. The report carrying the diskette is simply the documentation for the model - not an interpretative report - and does not reach any conclusions. I invite you to play around with the model by changing inflows, pumpin & pumpout volumes, evaporation rate, etc. and reach your own conclusions. The idea behind creating the model was 1) to try to standardize some of the Salton Sea discussion (many people have been doing “back of the envelope” models leading to duplication of effort and sometimes subtle errors); and 2) permit a somewhat more direct comparison of several diking and pumpout alternatives (i.e. using the same assumptions and calculations for all alternatives).

I have also enclosed a bibliography of scientific publications relating directly to the Salton Sea. Those of you new to the Salton Sea may find it useful simply to read through this list to get a feeling for the available information. If there’s anything you’re particularly interested in and the key word REPRINT appears below the reference, I can supply a copy.

If anybody knows of any references I’ve missed please let me know.

Feel free to duplicate and disseminate these items. See you May 20.

Richard Thiery


Blake, H.P. 1915. Sketch of the region at the head of the Gulf of California, a review and history. pp. l-35 in H.T. Cory, ed.; The Imperial Valley and the Salton Sink. John J. Newbegin; San Francisco. GEOLOGY, HISTORY, REPRINT, SS


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Boyle, R.H. 1996. Life or death for the Salton Sea? Smithsonian: 86-96. HISTORY, SS


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CIC Research. 1989. The Economic Importance of the Salton Sea Sportfishery. A Report to the California Department of Fish and Game; San Diego, CA.


HISTORY, REPRINT, SS

Cory, H.T. 1915b. Irrigation and river control in the Colorado River delta. pp. 1204-453 in H.T. Cory, ed; The Imperial Valley and the Salton Sink. (reprinted from Transactions of the American Society of Civil Engineers volume 76). John J. Newbegin; San Francisco.

REPRINT, SS


MACULARIUS, PUPFISH, REPRINT


PUPFISH, REPRINT


ABSTRACT, PUPFISH, REPRINT


HISTORY, REPRINT


HISTORY, REPRINT, SPORTFISHING


COPEPOD, OSMOREG, REPRINT


COPEPOD, INVERT, OSMOREG, REPRINT


BAIRDIELLA, CYNOSCION, MIRABILIS, REPRINT, SCIAENIDAE


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ECONOMICS


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ANISOTREMUS, BAIRDIELLA, CYNOSCION, DAVIDSONII, ICISTIA OSMOREG, REPRINT, SS, XANTHULUS

Hanson, J.A. 1972. Tolerance of high salinity by the pileworm, Neanthes succinea, from the Salton Sea, California. California Fish and Game 58: 152-4.
OSMOREG, PILEWORM, REPRINT, SS

ABSTRACT, INVERT, OSMOREG, REPRINT, SS

PILEWORM, REPRINT, SS

EVAPORATION, REPRINT, SALINITY SS, TEMPERATURE

MULLET, REPRINT, SS

REPRINT, SHAD, SS

HISTORY, REPRINT, SS

BARNACLE, REPRINT, SS

ORGANICS, SS

HISTORY, SS

HISTORY, REPRINT, SALT, SS

BIRDS, REPRINT, SS

ABSTRACT, MOSSAMBICA REPRINT, SS, TILAPIA
Hughes, G.H. 1967. Analysis of Techniques Used to Measure Evaporation from Salton Sea, California. (pp. 15 1-176). US GPO; Washington, D.C.

EVAPORATION, SS


CYNOSCION, NEED, REPRINT, SPORTFISHING, SS, XANTHULUS


NEW RIVER REPRINT, SS


COPEPOD, REPRINT, SS


MACULARIUS, PUPFISH, REPRINT, SS, TEMPERATURE


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ABSTRACT, ANISOTREMUS, BAIRDIELLA CYNOSCION, DAVIDSONII, FISH LARVAE, ICISTIA REPRINT, SS, XANTHULUS


REPRINT, SPORTFISHING, SS


REPRINT, SS


Moore, K.E. 1982. Results of Recent Fisheries Surveys of the Desert *Pupfish* Resources in San Felipe Creek and Salt Creek Memorandum dated November 19, 1982. 2 pp. California Department of Fish and Game.


Oglesby, L.C. 1977b. Reproduction and Survival of the Pileworm Nereis succinea in Higher Salton Sea Salinities. PO 3452003, Imperial Valley Environmental Project, Environmental Sciences Division. 42 pp. NTIS UCRL-13848. OSMOREG, FILEWORM, REPRINT, SS


REPRINT, SELENIUM, SS


MOSSAMBICA, REPRINT, SS, TILAPIA


MOSSAMBICA REPRINT, SS, TILAPIA


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REPRINT, SELENIUM, SS

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BARNACLE, NEED, OSMOREG, OXYGEN, SS, TEMPERATURE


BAIRDIELLA CYNOSCION, ICISTIA, PILEWORM, REPRINT, SS, XANTHULUS


ECOLOGY, REPRINT, SS


BIRDS, REPRINT, SS


MACULARIUS, PUPFISH, REPRINT, SS


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CYNOSCION, REPRINT, SPORTFISHING, SS, XANTHULUS

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HISTORY, NEED, SS

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ABSTRACT, PUPFISH, SS

METALS, SS