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Date: Aug 25, 2003

To : Frank Mitchell

From: Sid Stillwaugh

Subj: Transmittal # 161, Transfer of the Southern California Coastal Water Research Project Authority (SCCWRP) Data Base

Frank:

Enclosed, find paperwork and one CD ROM product containing a copy of the available Southern Calif. Coastal Water Resources Project Authority (SCCWRP) available data base files. Data sets include SCCWRP reference, restoration and survey projects, roughly from 1977 through 1999. These data sets are quality checked, all data sets include compliant metadata files and have been received from the SCCWRP web server with approval of SCCWRP data management.

Rather than going into great detail regards SCCWRP itself, and the data enclosed, I have included necessary paperwork to describe the agency, it's projects for which data were received and information regards the data folders and files on the CD.

In some of the enclosed paper directories information (reference projects and Santa Monica restoration project) you'll see reference to both zipped file and to the opened files. However, to avoid any confusion, I've only enclosed the zipped data sets. Unzipped files will contain all data and metadata, all data except one file, I believe are text files. I saw one MS Access data base file.

For your information, here's the layout of the CD regards folders and files within.

Main directory is : SCCWRP

Under this you will find six folders, each with a zip file containing the projects data.

1) 1977_ref_survey (folder)

1977_ref.zip (32 kb)

2) 1985_ref_survey (folder)

1985_ref.zip (20 kb)

3) 1990_ref_survey (folder)

1990_ref.zip (15 kb)

4) 1994 _proj_survey (folder)

5.964 MB = Zipped

- a) 1994_sccwrp_Ctd_dat.zip (826 kb)
- b) 94_Benthdat.zip (336 kb)
- c) 94_Fishtissue.zip (45 kb)
- d) 94_Infoplan.zip (53 kb)
- e) 94_Sedchem.zip (100 kb)
- f) 94_Toxicity_dat.zip (50 kb)
- g) 94_Trawldat.zip (87 kb)
- h) Data_Changes_doc.txt (10 kb)

5) bight98_survey (folder)

- a) 98_Benthic.zip (331 kb)
- b) 98_Biomarker.zip (102 kb)
- c) 98_Chemistry.zip (621 kb)
- d) 98_ToxData.zip (135 kb)
- e) Shoreline_micro_Summer1998.zip (46 kb)
- f) Shoremicro_Winter1999.zip (59 kb)
- g) Trawl.zip (213 kb)
- h) bight98executive_summary.pdf (637 kb)
- i) shoremicro_StormEvent.zip (22 kb)

6) santa_monica_bay (folder)

AirealDeposition.zip (2181 kb)

As mentioned, some of the enclosed printed directories show the opened files (reference projects, Santa Monica project), however, I have only placed the zip files in the CD's folders. When opened, you will have all available data and metadata.

Also, for your information, is the SCCWRP web site, any additional information needed, further info as to the data, recapture of the data, etc.

<http://www.sccwrp.org>

Would you please send me the NODC accession no. as one is assigned to these data sets.

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SCCWRP History

The Southern California Coastal Water Research Project Authority (SCCWRP) is a joint powers agency focusing on marine environmental research. A joint powers agency is one that is formed when several government agencies have a common mission that can be better addressed by pooling resources and knowledge. In our case, the common mission is to gather the necessary scientific information so that our member agencies can effectively, and cost-efficiently, protect the Southern California marine environment.

SCCWRP is governed by a nine member commission that includes representatives of city, county, state, and federal government agencies responsible for monitoring and protecting the marine environment, including the cities of Los Angeles and San Diego; the County Sanitation Districts of Los Angeles and Orange Counties; the Los Angeles, San Diego, and Santa Ana Regional Water Quality Control Boards; the State Water Resources Control Board, and the US Environmental Protection Agency. Our commission represents a unique partnership of members that discharge to the ocean and those that regulate discharge, working together to protect the marine environment.

SCCWRP was formed in 1969 to address our limited knowledge of the effects of wastewater and other discharges to the Southern California coastal marine environment. SCCWRP has evolved through the years to become a recognized leader in marine environmental research, providing innovative leadership in the marine sciences, developing new methods for monitoring the marine environment, defining the mechanisms by which biota are potentially affected by anthropogenic inputs to the marine environment, and fostering communication among marine scientists. One of the keys to SCCWRP's success is the multi-disciplinary composition of its technical staff; SCCWRP maintains internationally recognized units in analytical chemistry, benthic ecology, fish biology, and toxicology, providing ready access to the range of skills needed to address complex problems. SCCWRP has published more than 100 technical report and has produced nearly 150 papers in scientific journals. SCCWRP has also served as a important resource for visiting scientists, including those from as far away as Brazil, New Zealand and Australia.

About Our Data

SCCWRP is a publicly funded agency and aims to make its data available to other scientists and the general public in an expeditious manner. Data is one of our main products at SCCWRP. We perform extensive quality assurance checking on our data and try not to release it until we are confident that it is free of errors. If you find an error in our data, please let us know so we can correct it. We hope you find the type of data for which you are looking. If you need assistance contact Larry Cooper.

Data Philosophy:

We feel that data without its accompanying metadata is not very useful. The metadata explains the methods used, nature, and quality of the data. We provide these files, zipped into the data files so you will be able to get them automatically. Please read these files before using the data. Often they contain caveats about suggested data usage.

Data Structures:

We strive to make our data conform to the Santa Monica Bay Restoration Project standard file transfer formats in their document dated July 12, 1995.

What is in the files?

The data files are zip files created in version 2.04 of pkzip. These files can be unzipped by various programs available on the web for the variety of platforms that currently exist. The files contain data files and metadata files. If there have been changes to the original data, the changes will be in the current version of the file, accompanied by a file called "CHANGES.TXT" which documents changes made through time.

AVAILABLE DATA

SCCWRP has conducted five major reference surveys since 1977: the 1977 reference survey, the 1985 reference survey, the 1990 reference survey, the 1994 pilot project survey, and the Bight 1998 Survey.

<u>Atmospheric Deposition of Pollutants to Santa Monica Bay</u> ✓	Starting in January 1999, four types of data were collected in order to study regional air quality in the Santa Monica Bay watershed: atmospheric concentrations of aerosol-associated toxic contaminants, wet and dry deposition rates of toxic contaminants, bulk and surface microlayer concentrations of toxic contaminants, and toxic contaminant source emission inventories.
✓ <u>Bight'98 Survey</u>	A survey conducted on the continental shelf of the the Southern California Bight during 1998. The data include metadata, sediment chemistry, sediment-toxicity, biomarker, infaunal biomass and abundance, and trawl fish and invertebrate data.
✓ <u>1994 Pilot Project Survey</u>	A 261 site survey conducted on the continental shelf of the the Southern California Bight between Point Conception and the Mexican border. The data include, metadata, sediment chemistry, infaunal biomass and abundance, and trawl fish and invertebrate data collected for each time period.
<u>1990 Reference Survey</u>	20 stations. Seven of the 13 sites sampled in the 1985 Reference Site Survey were re-sampled. At each area samples were taken at 30, 60, and 150 meters. The data include metadata, infaunal abundance, infaunal biomass, and station data.
<u>1985 Reference Survey</u>	39 Stations. Thirteen cross-shelf transects were established at sites sampled in the 1977 60-Meter Survey. Samples were taken at 30, 60 and 150 meters. The data include metadata, infaunal abundance, infaunal biomass, and station data.
<u>1977 Reference Survey</u>	Benthic grab samples were taken from 71 stations distributed at approximately 10-kilometer intervals between Point Conception and the Mexican Border. In certain areas near the major municipal wastewater outfalls, stations were more closely spaced to delineate the expected outfall effects. The data include metadata, infaunal abundance, infaunal biomass, and station data.

261
20
39
71
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391

Bight '98 Data

Reports summarizing the data:

Southern California Bight 1998 Regional Monitoring Program: Executive Summary
Southern California Bight 1998 Regional Monitoring Program: I. Summer Shoreline Microbiology
Southern California Bight 1998 Regional Monitoring Program: II. Winter Shoreline Microbiology
Southern California Bight 1998 Regional Monitoring Program: III. Storm Event Shoreline Microbiology
Southern California Bight 1998 Regional Monitoring Program: IV. Sediment Toxicity
Southern California Bight 1998 Regional Monitoring Program: V. Demersal Fishes and Megabenthic Invertebrates
Southern California Bight 1998 Regional Monitoring Program: VI. Sediment Chemistry
Southern California Bight 1998 Regional Monitoring Program: VII. Benthic Macrofauna








Data Files:


Zipped files include both data (comma-delimited, ascii) and metadata files.

<u>Benthic Data</u> (File size = 339929)	Includes Station, Station Occupation, Grab Event, Infaunal Abundance, Infaunal Biomass, and Grain Size data.	Av
<u>Biomarker Data</u> (File size = 105339)	Includes Station, Station Occupation, Trawl Event, Biomarker Field, and Biomarker Lab Data.	Av
<u>Chemistry Data</u> (File size = 636061)	Includes Station, Station Occupation, Grab Event, Trawl Event, Whole Fish Composite, and Chemistry (both sediment and tissue) data.	Av
<u>Shoreline Microbiology Survey</u> <u>Summer 1998</u> (File size = 47640)	The shoreline Microbiology survey data from Bight'98. This data is from a five week summer period between 02AUG1998 and 05SEP1998. It contains data taken by 20 different agencies. The results include; Enterococcus, Total Coliforms, and Fecal Coliforms.	Av
<u>Shoreline Microbiology Survey</u> <u>Winter 1999</u> (File size = 60676)	Includes all relevant Winter 1999 Microbiology data.	Av
<u>Storm Event</u> <u>Shoreline Microbiology Project</u> (File size = 23133)	Includes all relevant Winter Storm Event Microbiology data.	Av
<u>Toxicity Data</u> (File size = 138834)	Includes all relevant Bight 98 Toxicity files.	Av
<u>Trawl Data</u> (File size = 218247)	Includes Station, Station Occupation, Trawl Event, Trawl Debris, Fish Abundance and Biomass, and Invertebrate Abundance and Biomass data.	Av

Southern California Bight Pilot Project Data






(1994)

 <u>Pilot Project Benthic Data</u> (File size = 169147)	This file contains the master sample file, area weights, metadata, benthic infaunal biomass and infaunal abundance data	Available Now!
 <u>Pilot Project Sediment Chemistry Data</u> (File size = 102736)	This file contains the master sample file, metadata, area weights, and sediment chemistry data.	Available Now!
 <u>Pilot Project Trawl Data</u> (File size = 116289)	This file contains the master sample file, area weights, trawl fish abundance, trawl fish biomass, trawl fish anomaly data, trawl invertebrate biomass, trawl invertebrate abundance, trawl invertebrate anomaly data, and metadata.	Available Now!
 <u>Pilot Project Fish Tissue Chemistry</u> (File size = 57474)	This file contains the master sample file, fish tissue chemistry data, area weights, and metadata.	Available Now!
 <u>Pilot Project CTD Data Files</u> (File size = 846339)	This file contains the master sample data, one meter interpolated data from each CTD cast, area weights, and the metadata or you can view a graphical compilation of the data prepared by Alex Steele of the Los Angeles County Sanitation District	Available Now!
 <u>Pilot Project Toxicity Data Files</u> (File size = 28526)	This file contains the master sample data, toxicity, water quality, area weights, and the metadata.	Available Now!
 Pilot Project Data Change	This file contains documentation of changes made to any of the above data files, including the nature of	Available Now!

Documentation	the change and the date of the change.	
 <u>Pilot Project Information</u> Management Plan	This file contains the file formats and codes used in the pilot project.	Available Now!

Directory listing of /c|/SCCWRP/1977_ref_survey






Up to higher level directory

	<u>1977INA.INA</u>	162 Kb	Wed Aug 27 09:20:52 1997
	<u>1977INA.MST</u>	6 Kb	Wed Aug 27 08:56:42 1997 shw,mst
	<u>1977INA1.DOC</u>	6 Kb	Wed Aug 27 08:15:44 1997 doc
	<u>1977INA2.DOC</u>	4 Kb	Wed Aug 27 08:16:58 1997 doc
	<u>1977_ref.zip</u>	32 Kb	Thu Aug 21 15:04:00 2003 Zip Compressed Data

zip file only on CD

Directory listing of /c/SCCWRP/1985_ref_survey






Up to higher level directory

	<u>1985INA.INA</u>	92 Kb	Wed Aug 27 09:24:02 1997
	<u>1985INA.MST</u>	3 Kb	Wed Aug 27 09:08:56 1997 shw,mst
	<u>1985INA1.DOC</u>	4 Kb	Wed Aug 27 08:16:16 1997 doc
	<u>1985INA2.DOC</u>	4 Kb	Wed Aug 27 08:17:18 1997 doc
	<u>1985_ref.zip</u>	20 Kb	Thu Aug 21 15:03:45 2003 Zip Compressed Data

zip file only on CD

Directory listing of /c/SCCWRP/1990_ref_survey









Up to higher level directory

	1990INA.INA	60 Kb	Tue Sep 02 11:38:14 1997
	1990INA.MST	1 Kb	Wed Aug 27 09:09:58 1997 shw,mst
	1990INA1.DOC	5 Kb	Wed Aug 27 08:16:38 1997 doc
	1990INA2.DOC	4 Kb	Wed Aug 27 08:17:38 1997 doc
	1990_ref.zip	15 Kb	Thu Aug 21 15:03:29 2003 Zip Compressed Data

2 ip file only on CD










Directory listing of /c/SCCWRP/1994_proj_survey

Up to higher level directory

	1994 sccwrp Ctd dat.zip	826 Kb	Thu Aug 21 10:30:20 2003	Zip Compressed Data
	94 Benthdat.zip	336 Kb	Thu Aug 21 10:41:20 2003	Zip Compressed Data
	94 Fishtissue.zip	45 Kb	Thu Aug 21 10:42:13 2003	Zip Compressed Data
	94 Infoplan.zip	53 Kb	Thu Aug 21 10:43:49 2003	Zip Compressed Data
	94 Sedchem.zip	100 Kb	Thu Aug 21 10:41:36 2003	Zip Compressed Data
	94 Toxicity dat.zip	50 Kb	Thu Aug 21 10:42:56 2003	Zip Compressed Data
	94 Trawldat.zip	87 Kb	Thu Aug 21 10:41:53 2003	Zip Compressed Data
	Data Changes doc.txt	10 Kb	Thu Aug 21 10:43:27 2003	Plain Text






Directory listing of /c/SCCWRP/bight98_survey

[Up to higher level directory](#)

 98 Benthic.zip	331 Kb	Wed Aug 20 11:02:21 2003	Zip Compressed Data
 98 Biomarker.zip	102 Kb	Wed Aug 20 11:02:32 2003	Zip Compressed Data
 98 Chemistry.zip	621 Kb	Wed Aug 20 11:02:11 2003	Zip Compressed Data
 98 ToxData.zip	135 Kb	Thu Aug 21 10:39:58 2003	Zip Compressed Data
 Shoreline micro Summer1998.zip	46 Kb	Wed Aug 20 11:01:39 2003	Zip Compressed Data
 Shoremicro Winter1999.zip	59 Kb	Thu Aug 21 10:38:59 2003	Zip Compressed Data
 Trawl.zip	213 Kb	Wed Aug 20 11:00:37 2003	Zip Compressed Data
 bight98executive summary.pdf	637 Kb	Wed Aug 20 11:02:57 2003	Acrobat
 shoremicro StormEvent.zip	22 Kb	Thu Aug 21 10:39:38 2003	Zip Compressed Data

Directory listing of /c:/SCCWRP/santa_monica_bay

Up to higher level directory

	<u>AerialMetaData.doc</u>	216 Kb	Tue Apr 25 07:58:30 2000 doc
	<u>AirealDeposition.mdb</u>	14210 Kb	Fri Jun 09 14:43:52 2000 mdb
	<u>AirealDeposition.zip</u>	2181 Kb	Thu Aug 21 15:03:01 2003 Zip Compressed D:
	<u>AirealDepositionMetada...</u>	97 Kb	Fri Jun 30 11:20:36 2000 Plain Text
	<u>IMPlan.doc</u>	54 Kb	Wed Apr 19 13:59:00 2000 doc

zip file only on CD