



project clean water

“Clean water through local commitment and action”

Education and Resource Development TAC

Thursday, February 27, 2003, 9 AM -11 AM

Meeting Summary

Attendees:

Dan Carney	City of San Diego	619-533-7548	dcarney@sandiego.gov
Carol Strampfer	Helix Water District	619-667-6202	carol.strampfer@helixwater.org
John O'Donnell	Valley Center High School	760-739-8495	odojohn@aol.com
Kelly Moewe	Port of San Diego	619-686-6598	Kmoewe@portofsandiego.org
Merle O'Neil	CWN/CAN	760-758-7908	Merlon99@aol.com
Muna Cuthbert	City of Chula Vista	619-397-6111	mcuthbert@ci.chula-vista.ca.us
Douglas Connor	S D County Office of Ed.	858-282-3694	ricechrisdoug@yahoo.com
Sarah Adams	I love A Clean San Diego	858-467-0103 x3003	Volunteers@ilacsd.org
Veronica Martinez	City of San Marcos	760-744-1050 x3111	Vmartinez@ci.san-marcos.ca.us
Ivan Golakoff	SD CWA	850-522-6719	igolakoff@sdcwa.org
Meleah Ashford	City of Encinitas	760-943-2285	Mashford@ci.encinitas.ca.us
Michele Stress	County of San Diego	858-694-2794	Michelle.Stress@sdcounty.ca.gov
Jaime Horn	MRCDD	760-728-1332	missnrdd@tfb.com
Margarita Mogollón	County of San Diego	858-694-2557	margarita.mogollon@sdcounty.ca.gov

1. Chairperson, Michele Stress, opened the meeting with introductions and directed the focus of this meeting to watershed education.
2. Michele gave the update for the Outreach Technical Workgroup (OTW):
 - Movie Slides developed by OTW are now in Theatres beginning with Edwards Cinemas
 - Regional workshops on Water Quality issues are presently being held for Mobile businesses. The next series is aimed at the food industry. A water quality guide for this industry is in development.
 - The focus on Industrial/Commercial targets will likely shift to an emphasis on residential target area with the implementation of the Watershed Urban Runoff management plans (WURMPs).
3. Participants began a roundtable discussion on Watershed Education:
 - Merle O'Neal gave an update on the activities of the Carlsbad Watershed Network including information on watershed issues such as percent impermeable surfaces, land use identification, perennial vs. seasonal stream flow and a shortage of good water quality data. Merle informed us of the process used to develop the draft watershed plan for Carlsbad. The final draft will be put on the Project Clean Water (PCW) Website.
 - As part of the Carlsbad pilot, 14 graduated Watershed Stewardship Training through the cities of Oceanside and Carlsbad. Students receive certification from the city in which they trained and commit to do water monitoring for one year (Spring and Fall) as well as one cleanup or community event/presentation. There is no fee for this training. The capacity is 20-25 students per series for a 3-session series. Copermittee help is needed by advertising this program on web sites, doing bill stuffers and otherwise helping to publicize the program.
 - Carol Strampfer described a simple activity to teach awareness of the actual percent of potable water in our water supply.

-Dan Carney described an easy watershed model activity, which can be done in classrooms and community presentations. Dan informed us of a NASA-funded satellite project to determine land uses and percent impermeable surfaces with 90% accuracy. Regarding water quality data, he stated that the cities of Laguna San Miguel and Irvine have collected a large amount of data on San Diego Creek, which may be useable to other watershed groups with similar watershed dynamics. He also described two programs under consideration by the City of San Diego, the Five Star Program and the One World Program:

-The Five Star Program certifies businesses as Five Star Businesses when these companies implement at least 5 BMPs in 5 environmental areas: Water, Air, Energy, Runoff Management, and Natural Resource Management. This program is currently in the design phase. It is hoped that the US EPA will pick up the concept and make it a national program as they did with the Energy Star program. Meetings to develop this program occur the last Tuesday of each month and are held by the Multi-Family Action Committee.

- In the concept phase is a \$20 million Environmental Theme Park based on a “Five Star County” to include a topographic ‘walk-through’ model of the watersheds of the San Diego Region. Contact Dan Carney for more information or to give input.
- Merle informed us that the Agua Hedionda Lagoon Discovery Center plans to construct a large watershed model of the Carlsbad watershed through grant funding.

-Doug Connor stated that the Splash Science Mobile Lab now has a watershed model and Urban Runoff education component for 4th grade.

-Ivan Golakoff mentioned 4 activities sponsored by the County Water Authority (CWA):

- CWA is working with the city of SD to add an outdoor water display to the current indoor display at the Ruben Fleet Science Center.
- In the CWA budget next year, Ivan hopes to include development of a children’s television show on iTV to be available in classrooms in half hour segments. It would follow school curriculum. Classroom materials would be provided to teachers.
- This year CWA is working w/PG&E and ILACSD to set up a complete “Enviro-House” exhibit at the Del Mar Fairgrounds including a xeriscaped garden and recycling program.
- CWA continues to train teachers to use their Water Quality Sampling kits and incorporate them into the classroom.

-Jaime Horn of Mission RCD stated that they have contracted to develop a custom-made watershed model of the San Luis Rey Watershed. Teachers completing their ‘Train the Trainer’ Program could then check-out the model for classroom use. They received a Riverside Flood Control Grant for Temecula.

-Many ideas followed on the Custom-made watershed model concept, including looking for funding to make inter-locking watershed models for each watershed in the San Diego Region.

-It was mentioned that the city of Sausalito has a huge watershed model of the bay Delta through the UC Berkeley Civil Engineering Program.

4. A draft list of recommendations was made to deliver to the Outreach Technical Workgroup regarding watershed education:

1. Develop mobile Displays on watershed education for the region, including local watershed models.
2. Develop a list of consistent watershed terms, definitions and watershed messages to include the concepts:
 - o What is a Watershed?
 - o Characteristics of impervious/pervious surfaces
 - o Importance of open Space
 - o Develop consistent language for regional watershed brochures and websites (**Core Goal**)
3. Prioritize messages per grade level/ educational level across watersheds

4. Design a developmental environmental education program based on watershed concepts to be articulated from grades K through 16, to include a mentoring program to teach watershed concepts to elementary through high school levels.
 - Begin developing strategies by tying all current applicable standards to watershed concepts.
 5. Use resources outside of public Education (Scouts, Boys & Girls Clubs, etc.) to develop a watershed 'patch'-type program.
 6. Develop a watershed video game including grade levels K-16, with an interactive decision-affect factor, to put on central website such as PCW
 7. Develop a regional children's television program based on watershed concepts/water conservation.
 8. Develop activities and seek funding to implement hands-on watershed outdoor activities for students getting students in the field
- Prioritization of this list will be one focus of the next meeting.

5. Announcements:

-I Love A Clean San Diego: Earth Day Creek to Bay Cleanup is scheduled for April 12th. 20 sites are confirmed. Would like 10 more. To sponsor a site, email ILACSD. Booths can be setup. Need participants to send emails and distribute posters.

-Calaveras Nature Preserve in Carlsbad: 10 days in March-April there will be restoration work. Volunteers needed. Merle will send a flier to put on PCW web site.

6. Next Meeting: Thursday, March 27th, at 10 a.m. at the City of San Diego Green Building, 2nd floor Conference Room, 9601 Ridgehaven Court, San Diego