

MEMBER UNITS EXHIBIT NUMBER 23

Memorandum

Santa Ynez Technical Advisory Committee

Date : May 31, 1994

From : Department of Fish and Game

Subject : June 13, 1994 Meeting

The next meeting of the Technical Advisory Committee will be June 13, 1994 from 9:30 A.M. to 12:00 P.M. or as needed. The location has been changed and it will be held at the Goleta Water District office in the board meeting room at 4699 Hollister Avenue. The draft agenda will be as follows:

- . Review of minutes and action items from April 19, 1994
- . Introduction of Scott Engblom, Project Biologist
- . Access issues
- . MOU status
- . Final results of upstream migration trapping
- . Results from downstream trapping
- . Electrofishing and snorkling surveys
- . Flow and temperature monitoring
- . Releases
- . Other Issues

If you would like to add any items to the agenda, please contact me at (916) 653-9743. See you at the meeting.



Cindy Chadwick
Environmental Specialist IV

Enclosures

cc: Department of Fish and Game
Long Beach, California

Mr. Dwayne Maxwell
Mr. Maurice Cardenas

Department of Fish and Game
Sacramento, California

Mr. Dennis McEwan

Memorandum

DRAFT

Santa Ynez River Technical Advisory Committee^{Date} : May 31, 1994

From : Department of Fish and Game

Subject: April 19, 1994 Technical Advisory Committee Meeting

A meeting of the Santa Ynez Technical Advisory Committee was held on April 19, 1994 at the Goleta Sanitary District offices. A copy of the agenda and list of attendees is attached.

Access

Ms. Kate Reese met with Ms. Nancy Crawford in March and talked to her again on April 18. The concerns expressed about access to the ranch included potential impacts due to research, disruptions to ranch operations, and potential problems if sensitive species are found on the property. The thermographs currently located at Highway 154 will need to be downloaded soon because their batteries will be used up soon.

The consensus of the group was that all participants in the TAC would work through Ms. Reese as the point of contact with the Crawford Ranch and fear all arces below the Dam. We reviewed the schedule and reduced the frequency when access was needed and eliminated the need to park on ranch property. Any fisheries survey work could be done by parking on U.S. Bureau of Reclamation (USBR) property and accessing the ranch from there. It would be useful to continue to access the river from the Highway 154 bridge for the flow and water quality monitoring. This work only requires limited access for a short period of time by one person.

Action Item: Ms. Reese will continue to act as contact person and will review proposed schedule with Ms. Nancy Crawford when it is ready. All TAC access will be coordinated through Kate Reese telephone (805) 569-1391.

Memorandum of Understanding

The Memorandum of Understanding (MOU) is still being drafted and we expect closure soon. The remaining details were legal in nature and the USBR and Department of Fish and Game (DFG) would

be meeting later that day to go over these with Mr. Bob Pike. It was agreed that any party that did not sign the MOU would still be allowed to participate in the group.

Project Biologist

A biologist, Mr. Scott Engblom, has been selected and would be on board in the next week or two. Scott is a graduate of Humboldt State and has worked for both the DFG and for Entrix and has experience in conducting stream surveys, electrofishing and other fisheries related experience.

Upstream Migrant Trapping and Spawner Surveys

Hilton Creek Trap: This trap was installed in mid-January. Mr. Jeff Hagar came on board in March to help and supervise Mr. Ron Kline. The trap is still in now but flows have been minimal lately. Two rainbow trout were captured in the 17 to 18" range. No samples were taken for genetic analyses. Around February 23, there were some trout in isolated pools in Hilton Creek that were stressed. These fish were moved back downstream to the stilling basin. A week or so later, two more fish in pools were moved back. These fish were adults in the 14 to 15" range. Some had missing fins.

Salsipuedes Creek Trap: This trap was installed in early March. It was out for three days in March and a couple of days in mid-April. One rainbow trout in the 13" range was captured in mid-March but not at a time when there was a flow event. Scales and genetic samples were taken. A second trap was put in Salsipuedes Creek upstream of the other one to trap downstream migrating adults on April 6. The trap has 1" mesh and so would not capture juvenile fish. Apparently a raccoon might have been trying to get into the Salsipuedes Creek trap because there were rips in the box on two occasions.

Mr. Kline was filing monthly reports on trapping operations with Mr. Steve Mack.

Both Mr. Hagar and Mr. Maurice Cardenas had some concerns and ideas about this years trapping operations. Next year, we will want to consider other locations, changing trap design, linking up with flood control operations to get predictions of peak flows, improving trap security.

Action Item: Pull the traps from Hilton and Salsipuedes creeks except the trap fishing for downstream migrants. This trap will be modified to make it effective for smaller fish. Next year, this should start earlier in the year. Fyke nets should also be placed in the main stem to trap juveniles this year.

Action Item: Mr. Cardenas and Mr. Hagar should prepare memos documenting what was done, what fish were caught, and what they would change next year to improve the effort.

Spawner surveys: In early March, foot surveys were done in Hilton Creek, in the Santa Ynez at Highway 154, below the spillway, and at Santa Rosa Park, in Alisal, Salsipuedes, El Jaro, and Nojoqui creeks. There was no evidence of spawning except in El Jaro Creek. There was also a possible redd at the mouth of Hilton Creek. On Alisal Creek, Mr. Hagar thought the concrete structure was a barrier but there was some gravel below it. There were reports of a redd in Alisal but Mr. Hagar didn't see anything.

Temperature Recorders

Mr. Chuck Hanson downloaded information from his recorders at the base of the dam and from the long pool last week. The recorder in the long pool was exposed to the air during part of the time period because water level dropped. Because of the access problems, the recorder from the Highway 154 site was not serviced. Based on input from Mr. Wayne Lifton from Entrix who is working on the Environmental Impact Statement/Environmental Impact Report (EIR/EIS), the recorder from the long pool was moved to the Alisal area of the mainstem. The recorder at the base of dam was moved to an area where the stilling basin flows into the long pool. Mr. Hanson calibrated his recorders, found they were OK and then marked their location with a global positioning device.

DFG has three recorders out in the stilling basin, at Highway 154 and above the lagoon. These will need to be downloaded soon and re-deployed. The Highway 154 location should be done at the same time as Hanson does his.

Action Item: Chuck will transmit his results in written and electronic form to Entrix.

Action Item: Ms. Cindy Chadwick will retrieve the three DFG recorders, download them, and move them along with three new recorders to areas designated by Mr. Lifton. She will use a global positioning device to mark their locations. Results will be transmitted in written and electronic form to Entrix.

Flow Releases

Currently, there is not a live stream. Hilton Creek is not flowing on the surface at the confluence with the Santa Ynez. The long pool has water percolating into it. Although Juncal and Gibraltar spilled, Cachuma won't spill this year.

Downstream releases will in all likelihood be made this year to get about 4,500 Acrea Feet of water into the Lompoc basin. The plans for downstream releases will be announced before May 31 but at this point they will probably start between late June and early August. There will be a relatively high flow 125 cubic feet persecond (cfs) for 10 to 12 days, then a week at 75 to 100 cfs, a couple of weeks at 40 to 50 cfs then a longer period at around 25 cfs. This 25 cfs release may be briefly cut back if the groundwater in the Lompoc plain is mounded at the river channel and recharge slows or stops. These downstream releases will be in addition to the releases which would be made from the water set aside in the MOU for fisheries.

Action Item: A relatively small release should be made from the Fisheries Reserve Account until the downstream release schedule is set up.

EIR/EIS Study Plan

The EIR/EIS study plan has been approved except for the IFIM and temperature modelling work which will be considered later.

The habitat mapping has been done in the following locations: upstream of Cachuma to Gibraltar except for areas where access was denied, Salsipuedes, El Jaro, and Alisal creeks, and the Santa Ynez downstream of Cachuma to around Buellton except for areas where access was denied. Aerial photos will be used to fill in the gaps.

Spawner surveys were done as was previously reported and will be repeated next week.

Cachuma Reservoir and the terminal reservoirs will be surveyed and other work done.

Electrofishing will be done based on habitat types and quantitative estimates of populations will be done in the mainstem and in the tributaries probably in May.

Physical water quality sampling in the lagoon has been done when the lagoon was open. It will be repeated again once the mouth has closed. Working upstream the study looks at temperature, salinity, dissolved oxygen along vertical profiles.

Entrix will be evaluating the DWR instream flow study to determine if it is still useful. Approval for the flow and temperature modelling will be considered after this work is done.

On-going Dissolved Oxygen, Flow, and Temperature Recording

Mr. Bruce Jones has been monitoring the locations below the dam for temperature, water level, flow, and dissolved oxygen. His reports for the last month and a half were circulated. He has cut his sampling to every other week.

Action Item: Mr. Tom Keegan will coordinate with Mr. Jones to take over and delegate to Scott Engblom, if necessary. Mr. Carl Dealy is putting the information collected to date in a spreadsheet which will be circulated.

Scientific Collecting Permits

All sampling activities by non-Department of Fish and Game personnel must be done under a scientific collecting permit. Any sampling by any TAC member should be done as part of the work plan.

Action Item: Mr. Cardenas will give Mr. Brian Trautwein an application for a permit.

Tidewater Goby

The tidewater goby has been listed under the Federal Endangered Species Act as endangered. There is a population in the lagoon of the Santa Ynez. At this point, no one can sample the lagoon without permission of the US Fish and Wildlife Service. The USBR is informally consulting with the USFWS regarding the TAC work plan and the EIR/EIS study plan.

Other Issues

There was a brief discussion of the issue of the Bradbury Dam release valve and the configuration. When the State Water Project water is being delivered, the current valve can't release Cachuma water, only SWP water. To avoid imprinting problems with juvenile steelhead, the DFG has recommended that a way be found to release 50% SWP water and 50% Cachuma water. Montgomery Watson is circulating a report on ways this can be achieved. If

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any TAC member has information on steelhead imprinting on different water sources, they should let Ms. Cindy Chadwick know so that that information can be evaluated.

A copy of the MOU should be provided to Sara Chubb.

The next TAC meeting has been tentatively scheduled for June 13, 1994. A notice and agenda will be circulated before then.

Santa Ynez River Technical Advisory Committee
7/5/94

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To: Santa Ynez River Technical Advisory Committee

From: Scott Engblom-Project Biologist Santa Ynez River

Subject: June 13, 1994 Technical Advisory Committee Meeting

A meeting of the Santa Ynez Technical Advisory Committee was held on June 13, 1994 at the Goleta Sanitary Water District offices. A copy of the agenda and list of attendees is attached.

Memorandum of Understanding

A draft of the Memorandum of Understanding (MOU) has been issued. The California Department of Fish and Game (DFG), Cachuma Conservation Release Board (CCRB), and the United States Fish and Wildlife Service (USFWS) have all signed it. Mr. Beard, Commissioner of the Bureau of Reclamation (BOR) is expected to sign the MOU on June 20, 1994. CALSPA will not sign the MOU because they feel the MOU does not adequately protect endangered and threatened species.

Access

Ms. Kate Reese has talked with Nancy Crawford several times concerning access. Ms. Crawford has reviewed the EIR/EIS provided by Mr. Tom Keegan and Ms. Cindy Chadwick and has stated she wants to concentrate on EIR/EIS activities, not TAC agenda. Ms. Crawford had given permission for a few days sometime in June or July, but nothing longer than one day at a time. Any advanced notice with respect to access is usually given on a day to day basis. There are some doubts concerning the installation of the upstream migrant traps on Hilton Ck. during the winter because the Crawfords feel problems will arise if any sensitive species are found on their property. Ms. Crawford wants nothing new installed on her property and says "their property is for cattle, not fish".

In addition, the Crawfords feel their property extends out to Highway 154. Ms. Reese suggests giving the Crawfords a call when parking along Highway 154 if the vehicle is near Crawford property.

Results of Downstream Migrant Trapping

Mr. Scott Engblom took over monitoring of the Salsipeudes Ck. trap on April 27, 1994. The data presented covers from the above time until June 10, 1994. Results: 201 arroyo chub, 67 stickleback, 31 fathead minnows, 2 sculpin, and 6 trout. The trout/ steelhead ranged in size from 36-57mm. All fish were released immediately downstream from the trap.

It was agreed that the Salsipeudes Ck. downstream trap will continue to be monitored until the end of June. At which time the trap will be removed and stored at the Lake Cachuma field office until needed.

Mr. Engblom deployed another downstream migrant trap on the Santa Ynez River May 22, 1994. The trap was monitored until June 10, 1994. On June 10 trapping ceased due to severely decreased flows. Much of the river at this time was dry both above and below the trap. Results: 4 arroyo chub, 12 stickleback, 1 fathead minnow, and 1 amacyte (juvenile lamprey). The trap was removed on June 17. At that time the river was completely dry except for a few deeper pool habitats.

Electrofishing and Snorkeling Surveys

Electrofishing and snorkeling surveys were performed on Nihoqui, Salsipeudes, and El Jaro Creeks between May 24, 1994 and May 26, 1994. Long pool was snorkeled on May 26.

Nihoqui Ck. was spot electrofished and snorkeled on May 25. While the riparian and instream habitat appeared to be in good condition, no trout/steelhead were captured. Arroyo chub and stickleback populations were highly abundant. Mr. Shawn Chase of Entrix and Mr. Engblom snorkeled 6 pools along Nihoqui Ck. One pool contained 18 green sunfish and 2 large mouth bass. The 5 remaining pools contained abundant populations of arroyo chub and stickleback. One red-legged frog was observed in this area.

Salsipeudes and El Jaro Creeks were electrofished and snorkeled on May 24-25. Riffle/run habitats were electrofished and pool

habitats were snorkeled. Areas sampled concentrated directly below and above the confluence of Salsipeudes and El Jaro. While arroyo chub and stickleback were captured in most sites, data presented reflect numbers of trout/steelhead only.

Three habitats (pool, riffle, run) in Salsipeudes Ck. were sampled below the confluence. Results: 13 young of the year (yoy), and 4 juveniles.

Six habitats (2 pools, 2 riffles, 2 runs) in Salsipeudes Ck. were sampled above the confluence. Results: 34 yoy, and 3 juveniles.

Nine habitat types (3 pool, 3 run, 3 riffle) were sampled in El Jaro Ck. above the confluence. Results: 6 yoy and 16 juveniles.

Results of long pool snorkel survey: Pass #1: 7 trout/steelhead (2 \geq 20 in., 5 \geq 16 in.), 5 large mouth bass (2 \geq 18 in., 3 \geq 12 in.), 6 small mouth bass (1 \geq 18 in., 5 \geq 12 in.), 1 sunfish (\geq 12 in.), 1 channel catfish (apx. 1 meter), and 2 pond turtles. Pass #2: 6 trout/steelhead (1 \geq 20 in., 5 \geq 16 in.), 3 large mouth bass (1 \geq 18 in., 2 \geq 12 in.), 6 small mouth bass (6 \geq 12 in.), 1 sunfish (\geq 12 in.), 1 channel catfish (apx. 1 meter), and 2 pond turtles.

Final Results of Upstream Migrant Trapping

Final results appear to have been discussed in the last meeting of the TAC.

Jennifer Nielson has not had time to look at tissue samples from last year due to a relocation of her laboratory. In addition, her price to analyze DNA samples may have changed so delays are expected. Chuck Hanson inquired as to using alternative resources in case Ms. Nielson takes too long. Could these other identified resources be used to cross check Ms. Nielson's results? Who is inquiring as to when Jennifer will have her results?

Flow and Temperature Monitoring

Chuck Hanson has HOBO temperature monitors deployed at 5 locations (spilling basin-base and tailout, long pool, Highway 154 bridge, and Lompoc-below Highway 246 bridge). These monitors

were serviced at the end of May and record temperatures at one hour intervals.

Action Item: Currently, DFG HOB0 units are set to take temperatures at 1.6 hour intervals. Mr. Engblom is to replace these units with new HOB0 units that are set to take temperatures at one hour intervals. This is to be accomplished before recharge releases begin in mid-July.

Action Item: Mr. Scott Engblom is to begin monthly vertical profiles at Lake Cachuma at 3 locations as part of the TAC agenda. Assistance in this will come from Mr. Bruce Jones-Dam Tender at Lake Cachuma, or John Southwick, Mr. Engbloms seasonal aide. The BOR had previously performed 3 vertical profiles in the early 80's with respect to another study. Mr. Carl Dealy of the BOR will obtain a copy of this study for Mr. Engblom. Mr. Engblom will attempt to sample at these same sites to gain an historical view of the lake. These profiles are to begin as soon as Mr. Engbloms' equipment needs are met.

Action Item: Mr. Engblom will begin diurnal temperature and dissolved oxygen readings at locations within the spill basin and long pool. The purpose of this is to determine if algae metabolism is creating anoxic conditions in either of the above locations. These readings are to begin as soon as Mr. Engbloms' equipment needs are met. Readings will be performed bi-weekly.

Releases

Minimal releases are to begin the week of June 13, 1994 from Lake Cachuma for the purpose of maintaining habitat in the Long Pool. Releases are to be on the order of 1-5 cfs. Criteria for releases was under the assumption that no flowing water was to exist between the spilling basin and long pool. The geology of the area allows for water to be seeped into long pool without establishing flowing water between the spilling basin and long pool. Mr. Engblom is to make observations concerning long pool staff gauge elevations and give his recommendations to Mr. Bruce Jones.

A conference call is to be set up the week of July 5, 1994 between Mr. Engblom and the Biological Subcommittee. The emphasis of the

call will be to determine adequate elevation for long pool and to go over Mr. Engbloms summer agenda.

Other Issues

The fish imprinting issue is still a concern with respect to the State Water Project. Mr. Bruce Jones has an interesting idea that could possibly do away with the mixing problem. If any TAC member has information on steelhead imprinting on different water resources, they should let Ms. Cindy Chadwick know so that the information can be evaluated.

The next TAC meeting has been tentatively scheduled for August 8, 1994. A notice and agenda will be circulated before then.

To: Santa Ynez Technical Advisory Committee

From: Scott Engblom, Project Biologist Santa Ynez River

Subject: August 8, 1994 Meeting

The next meeting of the Technical Advisory Committee will be August 8, 1994 from 9:30 A.M. to 12:00 P.M. or as needed. The location will be at the Goleta Water District office in the board meeting room at 4699 Hollister Avenue. A copy of the minutes from the June 13, 1994 meeting will be provided to all attendees. The draft agenda will be as follows:

- Review of the minutes and action items from June 13, 1994
- Update on temperature and dissolved oxygen monitoring in the spill basin, long pool, and Lake Cachuma
- Update on flow releases
- An accounting of flow releases from the fish account
- Status of Lompoc releases
- Discussion of fish sampling and flow releases
- Access issues
- Department of Fish and Game Representation
- Discussion of CCWA imprinting and mitigation issues
- Steelhead Management Plan
- Listing of Steelhead
- Other issues

If you would like to add any items to the agenda, please contact me at (805)-564-5544

Scott Engblom
Project Biologist

To: Santa Ynez River Technical Advisory Committee

From: Scott Engblom, Project Biologist Santa Ynez
River, Paul Forsberg Environmental Specialist CDF&G

Re: August 8, 1994 TAC Meeting Minutes

A meeting of the Santa Ynez River Technical Advisory Committee was held on August 8, 1994 at the Goleta Water District offices. A copy of the agenda and list of attendees is attached.

Status of Lompoc Releases

Cachuma releases for Lompoc recharge began Monday July 25, 1994. Initial water releases were between 135-140 cubic feet per second (cfs). Releases continued at this rate until Saturday August 6 when the flows were ramped down to 70 cfs. As of this date between 3500-3800 acre feet (af) of water has been released downstream. These flows will be ramped up or ramped down after the flow reaches a steady state. Once a steady state has been reached, the flows will continue until October. Efforts are being under taken to stop the water at V St. in Lompoc. Mr. Ali Shahroody will provide a written tabular report at the next TAC meeting outlining status of releases. Currently (as of 8/8/94) there is 6800 af credit in the below narrows account and 1900 af credit in the above narrows account.

Observation wells have been rehabilitated in the City of Lompoc. Private property areas are still pending. Funding has been approved for the reactivation of a well site at long pool.

Access

Nancy Crawford has informed Kate Rees that no permission will be granted to access Crawford property in the future. Kate will continue to keep communication lines open in the hope that permission will be granted. Kate suggests that any reports on fish and river issues be sent to Kate so she could forward them to the Crawfords to continue keeping them posted on events.

Water quality monitoring in the spill basin, long pool and Lake Cachuma

Due to some confusion at the Santa Barbara Public Works Building, Scott Engblom had not received all the water equipment necessary to perform water quality (dissolved oxygen, temperature) measurements in the spill basin and long pool. Scott Engblom expects the remainder of the equipment to arrive any day. Due to current releases from the dam, no diurnal measurements will be

performed in the spill basin or long pool until releases are halted. Lake Cachuma temperature and dissolved oxygen profiles will begin on a monthly basis starting in August.

Department of Fish and Game Representation

Cindy Chadwick has accepted a new position with CDF&G Region 2 in Rancho Cordova. Paul Forsberg, CDF&G Sacramento, has assumed her TAC responsibilities until Cindy's position is filled. Paul can be reached at 1416 9th. Street, Room 1341, Sacramento 95814, Telephone (916)-654-2578.

Discussion of CCWA imprinting and mitigation issues

The Biological Subcommittee is to provide a list of references regarding studies completed on the imprinting of salmon and steelhead.

When the decision has been made whether imprinting is a concern to over summering juvenile steelhead, the CCWA will be notified as to whether work should continue on the pump-siphon plan.

Steelhead Management Plan

The draft steelhead management plan has been delayed in its implementation in order to give several other groups and agencies time to review and give their comments on the plan.

Chip Wullbrandt raised concerns that the draft management plan, specifically the review of historical literature contains some misinformation and that some redrafting is required. Paul F. is to inquire as to the status of the management plan.

Listing of Steelhead

Scott Engblom is to attend the ACWA steelhead task force meeting in Sacramento on August 30, 1994 and report the minutes at the next TAC meeting.

Other issues

Bob Baiocchi of CSPA has expressed concern about the surcharge of Lake Cachuma. He feels the surcharging of Cachuma Reservoir 'could have adverse impacts to lives and property in the event of dam failure in conjunction with surcharging the reservoir'. Rob Almy is going to write Mr. Baiocchi and remind him that the surcharge is provided for in the MOU and would be directly used for fish maintenance and/or studies.

Action Items

Thank you Bob Wignot and Kate Rees for compiling this long list of action items for the TAC.

1. Carl Dealy, USBR Fresno, is to provide official spreadsheets showing daily water usage, balance remaining, etc. in the Fish Reserve Account.
2. Ali Shahroody, Santa Ynez RWCD, is to provide a tabular report on W.R. 89-18 downstream account water releases which commenced on July 25, 1994, at the next meeting of the TAC.
3. Ali Shahroody recalled that at the W.R. 89-18 meeting held in Sacramento on May 19, 1994, a USGS gauging station was recommended to be installed at the H or V Street bridge to provide needed downstream flow measurements. County Flood Control has a location at the long pool for measurement of summer flows, Ali feels the H Street site is preferable. Ali Sharoody stated that his meeting notes indicated that Rob Almy, SBCWA, was to contact USGS about installation of a gauge at the H Street site (Rob does not recall making this statement). Rob A. is to confirm that the County will provide funds. A subcommittee was formed (Almy, Buelna, Mack, Shahroody) to monitor the status of locations for data collection.

Carl D. is to provide copies of the W.R. 89-18 meeting minutes of May 19, 1994 (obtained from Ann Ball of USBR Fresno) to TAC members.

4. Carl D. is to send a copy of the USBR draft riparian vegetation plan to Kate R., who will distribute copies of the plan to those requesting it. Paul F., CDF&G, is to contact Larry White of USBR for comments on the USBR draft riparian vegetation plan and provide copies of these comments to the TAC members.
5. Methods of ramping down to be used following cut-off of 89-18 downstream account water releases in October needs to be developed. (Cindy Chadwick mentioned a 30% per day method; last year a 10,5,3 cfs ramping regime was used for surcharge-for-fish water releases.) Chuck Hanson's subgroup (Engblom, Foresberg, Keegan, Hanson) to submit schedule to Tony Buelna, USBR Fresno, including data collection program to aid Scott Engblom's work. Engblom and Hanson to develop schedule/ramping program draft.
6. Scott E. is to send a copy of Entrix's summary report on last years work to Kate R. to forward to Nancy Crawford. All TAC members are encouraged to provide copies of reports, etc., to Ms. Crawford for information. Address is San Lucus Ranch P.O. Box 338. Santa Ynez, CA 93460.
7. Scott Engblom and Paul Foresberg are to generate the last set of TAC minutes (for August 8 meeting).
8. Copies of articles on fish imprinting are to be provided to

TAC members. (Cindy Chadwick said that Wayne Lifton of Entrix has information, not CDF&G). No one was specifically requested to take action on this item at the meeting. Steve M. suggested that the topic be taken up by the biological subcommittee, Hanson agreed that the group should assemble a "state of the knowledge" summary for distribution. It is suggested that Paul F. could contact Wayne L. to determine what information is available.

9. Chip Wullbrandt, Carpinteria CWD, raised his concern that the draft steelhead management plan (and review of historical literature and information) provided by CDF&G to NMFS contains some misinformation, and that redrafting is required. Paul F. is to contact Dennis McCuin and Terry Jackson of CDF&G for status of draft plan.
10. A copy of the SYR Consensus Committee and TAC members mailing list (compiled by Engblom and Almy) is to be provided to NMFS. CDF&G (Foresberg) is to provide a cover letter to go with the list explaining the purpose of the MOU, and include copies of the MOU, the letter from the MOU press briefing, and the Entrix compilation report.
11. Almy, Wullbrandt, and possibly Art Kidman (to be contacted by Wullbrandt?) were to send letters to NMFS asking why they were having a competing meeting on August 8 when the SYR consensus Committee and TAC have invited them to participate in our process. (Cindy C. noted that it may have been due to a lack of communication between different NMFS departments.) Rob A. to provide copies of NMFS 8/8/94 meeting handouts to TAC members. (Chris Dahlstrom attended the entire NMFS meeting and received material in addition to that distributed to TAC members by Rob A. on 8/8/94.)
12. Rob A. to provide copies of CALSPA's letter, responding to the County Water Agency's Cachuma Surcharge Analysis Report, to TAC members.

Technical Advisory Committee

To: Santa Ynez Rive Technical Advisory Committee

From: Scott Engblom, Project Biologist Santa Ynez River

Subject: November 8, 1994 TAC meeting agenda

The next meeting of the Technical Advisory Committee will be held November 8, 1994 from 9:30 to 12:30 or as needed. The location will be the Goleta Sanitary District across from the airport in the board meeting room. The draft agenda will be as follows:

- * Ramping schedule for the termination of the WR-8918 releases.
- * Study plan during the ramping down of WR-8919.
- * 1994-1995 use of the Fish Account.
- * California State Coastal Conservancy Santa Ynez River Watershed Management Plan. (Kat Brown, USEWS-Discussion)

If you would like to add any items to the agenda, please contact me at (805)-564-5544.

To: Santa Ynez River Technical Advisory Committee
From: Scott Engblom, Project Biologist Santa Ynez River
Subject: Minutes from the November 8, 1994 TAC meeting

A meeting of the Santa Ynez River Technical Advisory Committee was held November 8, 1994 at the Goleta Sanitary District conference room. A copy of the agenda and list of attendees is attached. The minutes of the meeting are as follows:

Before addressing the agenda items, Paul made comment on the Steelhead Draft Management Plan. He stated that Dennis McEwin (IFD) anticipates the final version of the management plan will be completed by the beginning of calendar year 1995.

Steve Mack expressed concerns that the information in the Steelhead Draft Management Plan still has some inaccuracies in it. Paul will bring this subject up with Dennis McEwin to find out how these concerns are being addressed.

Ramping Schedule for the Termination of the WR 89-18 Releases

A ramping schedule was finalized and sent out to USBOR on October 13, 1994. At the time the Biological Subcommittee expected the ramping schedule to be put into action sometime around the end of October. The schedule was attached with the last meeting minutes.

Study Plan during the ramping down of WR 89-18

An incident happened over the weekend of October 15 that caused the ramping schedule to be started prematurely. Apparently ramped up releases caused a breach in the sandbags at V Street in Lompoc allowing water to reach the lagoon. Scott Engblom did not hear about this incident until October 21. The study that was to take place with respect to fish migration and habitat loss during the rampdown had to be stepped up approximately ten days. Unfortunately due to the miscommunication the study had to begin at the 15 cfs level instead of the 30 cfs level. Concern was expressed by several members of the TAC about the breakdown in communication. Ann Ball and Tony Buelna of the USBOR assured Paul Forsberg that he would be contacted earlier during any such future events to ensure TAC involvement during the decision making process. Agreement was made by the attending members of the meeting to use this incident as a learning experience in the event of future releases.

The study proceeded at the 15 cfs level as scheduled. Results of the study are still being analyzed and will be presented in the 1994 TAC project documents.

Current studies include the monitoring of a downstream migrant trap on Salsipuedes Ck. in the event trout migrate out during the first storms of the winter.

California State Coastal Conservancy Santa Ynez River Watershed Management Plan

Kat Brown of the USEWS gave a presentation to the TAC members regarding the Watershed Management Plan. Handouts were distributed regarding the plan.

An enhancement and management plan is a coordinated resource management planning process (CRMP) where all of the stake holders get together and decide how best to manage the resource. The goals of the plan are 1) to define what the problems are, 2) gather all relevant data together, 3) generate new data where there are gaps in existing data, and 4) to seek consensus on what are acceptable solutions to the problems. The plan for the Santa Ynez will first look to document what the resources are on the river, to describe and analyze geomorphology, hydrology, water quality and habitat conditions and then try to assess how the above items have been impacted humans in the past and currently, and finally look for creative solutions to these problems.

The reason the Coastal Conservancy is doing this process is because there is no one plan for the entire watershed. What we have is several different organizations looking at several different aspects of the watershed.

The parties involved so far include: Coastal Conservancy, Santa Barbara County Flood Control Districts, Cachuma Conservation Resource District, City of Lompoc, EPA, USFWS, and the Land Trust for Santa Barbara County who will act as the lead for the project. The project is expected to take two years to find out all relevant information.

Kat Brown suggested that if anybody has questions they should get in contact with the Land Trust.

Paul F. will contact Tom Carey of the Land Trust to get all TAC members on their mailing list.

1994-1995 use of the Fish Account

In general, use of the MOU fish account in order of importance are: 1) use water to maintain aquatic resources below the spill basin, specifically the long pool, 2) use the water at the end of storm events to lengthen the amount of time the migration corridor stays open, and 3) use the water for any relevant studies n the river. Tom Keegan is drafting up an official document regarding use of the Fish Account to be distributed to the TAC members and included with the 1994 report.

Other Issues

Steve Mack and Rob Almy had mentioned getting Scott Engblom connected into the flood monitoring system for the Santa Ynez River. Rob A. invited Scott E. to go down to the flood control section and be introduced to the people in charge there.

Permission is currently being sought to deploy fish traps at various locations along the river and tributaries.

Extending from November through March the Fish and Game Commission has closed the Santa Ynez River and its tributaries to fishing. Jean Baldrige proposed a letter to be sent to the Fish and Game Commission requesting the river stay closed until further notice. Rob A. suggested that Scott get in touch with the local news press to ask them to write a piece on the river closure to let the general public know about the closure.

Rob A. offered his assistance with copying "no fishing" signs in the effort to speed up their deployment along the Santa Ynez River and tributaries. Action Item: Maurice Cardenas was to find out about possible monies from the Salmon Stamp fund to fund the "no fishing" signs to be deployed along the Santa Ynez River and tributaries

Paul F. expressed concerns with the timelines of the MOU renegotiation. Some comment was made to include language in the MOU that states that Scott E. be included in the loop of persons receiving information regarding releases from Bradbury Dam. Other questions were raised concerning the carry over of Fish Account Water into the next year.

Action Item: Regarding the surcharge of Lake Cachuma, Carl Dealy will report back to the TAC with respect to the progress of the USBOR on this subject. The amount of surcharge is still dependent on the height of the flashboards to be used.

1993 TAC Compilation Report

Attached is a coversheet to the Entrix compilation of all documents relative to the Santa Ynez River TAC through February, 1994. The compilation, titled **Technical Advisory Committee (TAC) Project Documents**, as distributed by Tom Keegan to TAC members on February 18, 1994, is hereby accepted by the TAC as fulfilling provision 2.c. of the May 1, 1994 Memorandum of Understanding.

To: Santa Ynez River Technical Advisory Committee
From: Scott Engblom, Project Biologist Santa Ynez River
Subject: Minutes from the December 12, 1994 TAC meeting

A meeting of the Santa Ynez River Technical Advisory Committee was held December 12, 1994 at the Goleta Sanitary District conference room. A list of attendees is provided. The minutes of the meeting are as follows:

Emergency Water Releases From Lake Cachuma

Concern in general for dam safety began in 1984 after the Colinga earthquake. Dams constructed of the same material as Bradbury have failed in the past. Liquefaction at the "toe" of the dam is the main concern if a magnitude 6.7 earthquake was to occur within one kilometer of Bradbury.

Since the spring of 1994 drilling machines have been testing the gravels at the base of Bradbury to determine the stability of the dam. Studies are continuing on the core of the dam as well as risk analysis. No formal written report has occurred concerning the earthquake information on Bradbury Dam.

Any decision to release water from Bradbury will be a public process and the TAC will be able to give its opinion on the subject before water is released. Dewatering of the toe and where that water will ultimately be released is a concern with respect to water quality.

Information gathered and received concerning releases and toe dewatering will be funneled through Paul Forsberg and Scott Engblom for distributement to the rest of the TAC. Carl Dealy will find out about water quality (i.e., dissolved oxygen, temperature, nitrogen, etc.) at the toe and send the information to Scott and Paul.

Options with regard to dam safety: 1) looking at temporary fixes which do not depend on lake water level, 2) looking at the risk different water levels represent and choosing one of these levels as the maximum lake elevation.

Project Budget Status

Most of the items in the budget have gone under projected cost. The exception being biologist and seasonal hours. It is projected that this condition will probably remain this way, especially with the upcoming winter trapping season.

The costs for Entrix and Hanson Environmental involvement with

the SYR TAC has not yet been provided.

There has been some suggestion as to describing the amount of involvement by the US Fish and Wildlife Service fisheries biologist Ed Ballard in the project budget. Ed has budgeted 50% of his time to devote to the Santa Ynez River.

Fish Trapping Status

Weirs are already constructed and ready for deployment in the tributaries. Deployment will begin when flow conditions are suitable. Deployment areas include: Salsipuedes, Alisal, Quiota, and Hilton Creeks. Alamo Pintado and Nojoqui Creeks are also slated for possible weir deployment.

Some of the deployment areas will depend on permission to access the creeks. Kate Rees is continuing her liaison work with the landowners with respect to gaining access.

The mainstem weir location has been proposed approximately 1.7 miles above Refugio Road. Permission is still pending.

Compilation Report and Study Plan

The first draft of the 1994 Compilation Report and the 1995-96 study plan has been provided to the Biological Subcommittee for review. The Bio. Sub. will get their comments back to Scott Engblom for incorporation into the second draft. The second draft will be provided to all TAC members for their review.

"No Fishing" Signs

A draft version of the signs was provided by Maurice Cardenas. When the signs are posted, they must be posted at the access points used by anglers (i.e., bridge sites). Funding by DFG for the signs is not possible at this point. Funding for the signs will be provided by the Project Budget.

Other Issues

Water Rights Order 94-5 was issued by the State Water Resources Control Board as an amendment to WR 89-18. The order was handed out to attending TAC members. Any questions regarding WR 94-5 should be directed to Ed Anton.

Paul Forsberg drafted a letter to Tom Carey (Santa Barbara County Land Trust) describing the TAC involvement in the SYR. Included in the letter was a copy of the MOU and the TAC mailing list.

Items from the last TAC meeting: 1) There has been no word from Denver as to the surcharging of Lake Cachuma.

Tom Keegan gave a brief discussion as to the ACWA study on Pacific steelhead stocks.