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BEFORE THE

FEDERAL ENERGY REGULATORY COMMISSION

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In the Matter of: : Project Number

SANTA FELICIA PROJECT : 2153

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Piru Community Center

802 Orchard Street

Piru, California

Thursday, February 5, 2004

The above-entitled matter came on for
hearing, pursuant to notice, at 8:42 a.m.

BOFORE:

KENNETH J. HOGAN

Fishery Biologist

Department of Energy

Federal Energy Regulatory Commission

1 APPEARANCES (CONTINUED):

2 FEDERAL ENERGY REGULATORY COMMISSION:

3 Philip D. Peters - Attorney

4 Carolyn R. Holsopple - Environmental
5 Protection Specialist

6 Emily Carter - Environmental Biologist

7

8 ALSO PRESENT:

9 Matt Carpenter, ENTRIX

10 Dilip Paul, Forest Service

11 Tim Cohen, Rancho Temescal

12 Linda Pupus, United Water Conservation
13 District

14 Betty Courtney, Department of Fish and
15 Game

16 Alan Nelsen, Water Resource Engineering
17 Associates

18 Maurice Cardenas, Department of Fish
19 and Game

20 Chris Dellith, United States Fish and
21 Wildlife Service

22 Stan Glowacki, NOAA Fishery

23 Kris Schmidt, Sierra Club

24 Michelle Kinnun, United Water
25 Conservation District

1 APPEARANCES (CONTINUED):

2 John Dickenson, United Water

3 Conservation District

4 Jim Edmondson, Cal Trout

5 Murray McEachron, United Water

6 Conservation District

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1 PROCEEDINGS

2 (8:42 a.m.)

3 MR. HOGAN: My name is Ken Hogan. I'm with
4 the Federal Energy Regulatory Commission. I'm a
5 fishery biologist, and I am the project coordinator
6 for the Santa Felicia project.

7 I'd like to start today with having
8 everybody introduce themselves. If you could say
9 your name, spell your name, and who you are with for
10 the court reporter, I'd appreciate it. This is on
11 the record, and the transcripts will be available in
12 about 10 days on the Commission's Web site under the
13 e-library. So if anybody wants a copy of this
14 meeting, the transcripts are there. If you're not
15 familiar with how to navigate our Web site, catch me
16 during a break and I'll be happy to help you with
17 that.

18 Phil?

19 MR. PETERS: I'm Phil Peters. I'm with
20 FERC's Office of General Counsel, and I'm the
21 attorney assigned to this case.

22 MS. HOLSOPPLE: I'm Carolyn Holsopple,
23 C-a-r-o-l-y-n H-o-l-s-o-p-p-l-e, and for this
24 project, I'll be looking at special resources as
25 well as threatened and endangered species.

1 MS. CARTER: My name is Emily Carter, and I'm
2 an environmental biologist at FERC, and I'm looking
3 at the recreation land use and studies.

4 MR. CARPENTER: I'm Matt Carpenter from
5 ENTRIX, Incorporated, and I'm a consultant to the
6 applicant United Water.

7 MR. PAUL: I'm Dilip Paul, D-i-l-i-p, Paul,
8 P-a-u-l. I'm with the Forest Service.

9 MS. PURPUS: I'm Linda Purpus, P-u-r-p-u-s,
10 with United Water Conservation District. I'm the
11 environmental coordinator.

12 MR. CARDENAS: I'm Maurice Cardenas, with the
13 Department of Fish and Game. I'm a fishery
14 biologist.

15 Want me to spell it?

16 THE REPORTER: Sure.

17 MR. CARDENAS: M-a-u-r-i-c-e C-a-r-d-e-n-a-s.

18 MR. DELLITH: Chris Dellith of the U.S. Fish
19 and Wildlife Service, last name is D-e-l-l-i-t-h,
20 and I'm a fish and wildlife biologist.

21 MS. COURTNEY: Betty Courtney, environmental
22 scientist, Department of Fish and Game,
23 C-o-u-r-t-n-e-y.

24 MR. EDMONDSON: Jim Edmondson,
25 E-d-m-o-n-d-s-o-n. I'm here on behalf of Cal Trout.

1 I've been a staff person for over 20 years.

2 MR. COHEN: Tim Cohen, C-o-h-e-n, Rancho
3 Temescal, T-e-m-e-s-c-a-l.

4 MR. NELSEN: I'm Alan Nelsen, A-l-a-n
5 N-e-l-s-e-n. I'm with the Water Resource
6 Engineering Associates.

7 MR. DICKENSON: I'm John, J-o-h-n, Dickenson,
8 D-i-c-k-e-n-s-o-n, engineering department manager.
9 United Water Conservation District.

10 MS. KINNUN: Michelle Kinnun, K-i-n-n-u-n,
11 United Water Conservation District.

12 MR. HOGAN: Okay. Thank you very much.

13 The reason for this meeting today is to
14 see how studies are proceeding in this two-year
15 study plan that United has proposed and has been
16 implementing, and to get an idea of what's on track,
17 what's not on track, any issues that may have been
18 raised as a result of the preliminary study results
19 or if there's things that have not been done to the
20 agency standards which should be getting done
21 differently. We'd like for hear all that
22 information today. And at this time I'd like to
23 turn it over to, I guess --

24 Are you going to --

25 MR. CARPENTER: Would you like to start,

1 John?

2 MR. DICKENSON. Well, I'll just introduce
3 you, I guess.

4 I'm John Dickenson with United Water.
5 We embarked on a pretty ambitious study plan last
6 year. Most of you were involved with the
7 formulating of those study plans. A lot of the
8 effort focused around our annual conservation
9 release. We spent this year's budget primarily
10 gathering the data, that survey that provides the
11 analyses that you all will need for conditioning a
12 license for Santa Felicia project.

13 And with that, I'll turn it over to
14 Matt Carpenter from ENTRIX, who has been doing the
15 majority of the studies. We have been using
16 subconsultants and independent consultants. The
17 district staff has been doing some of the study work
18 themselves, particularly in the field of water
19 quality and some of the other ones that we're
20 infinitely familiar with.

21 Later on today we'll have our
22 hydrologist join us, and he has a presentation on
23 this year's release and the state of flows from the
24 Santa Felicia. And with that, I'll turn it over to
25 Matt Carpenter.

1 MR. CARPENTER: Thanks, John. I'll stand
2 over here by these maps to give people some
3 perspective.

4 Before I get started talking about the
5 studies that we're currently engaged in, I wanted to
6 go ahead and familiarize everyone with the watershed
7 that we're dealing with here. Our area of focus for
8 the Santa Felicia project includes to about two
9 miles upstream of Lake Piru, going all the way down
10 through the lake, lower Piru Creek to the
11 Santa Clara River confluence. That's what we call
12 our focus study area. We have kind of an area of
13 more general study that includes the Santa Clara
14 River as it goes down to the ocean. United has the
15 facility further downstream. And some of their
16 operations up here are connected to that facility
17 downstream, so we've been looking at more focused --
18 some focus studies on the Santa Clara River proper,
19 but the primary area of focus is the lake area and
20 Piru Creek below the dam.

21 As it was mentioned, in terms of kind
22 of our consultation history, last -- or a year ago
23 November, November 2002 -- or December 2002; I'm
24 sorry -- we met with the stakeholders for this
25 project and kind of broke into focus study groups to

1 develop plans that would be ultimately approved by
2 FERC to address the concerns of the stakeholders and
3 get us to the point where we could pull that
4 information together into an Exhibit E for the final
5 application.

6 What happened along the way was we came
7 up with a revised project schedule. And I think
8 everybody's got the handout, but I've included that
9 in there, and a lot of the items in the initial part
10 of this table show that that was really trying to
11 get the study plans approved and that was a very
12 fast-paced process. So starting in about June we
13 start the implementing, or conducting, a lot of the
14 studies that we had outlined, and we continue to do
15 that probably all the way until July of 2004 to
16 collect all the data necessary, whether it be linked
17 to seasonal resources or, you know, any number of
18 other factors, but that's what we're looking at and
19 taking it. We started in earnest in June and really
20 hit a lot -- we did a lot of study work starting in
21 September prior to the conservation release that
22 John mentioned. There were a lot of studies that
23 were focused around that and bracketed. So right
24 now, we're moving along.

25 On the next page, we put together a

1 table that outlines the project study status, and,
2 you know, in some cases, it says the study is
3 ongoing, meaning, you know, there's sampling,
4 monitoring form occurring, or that the fieldwork has
5 been completed and that, you know, we're in a
6 data-analysis phase or something to that effect. So
7 we've initiated -- of our 29 studies, I think we've
8 initiated at least 22 of them. Most are closely
9 tied to field-season oriented things where we had to
10 gather, for instance, summertime recreation data or
11 history flow data related to conservation releases.

12 So at this time we have a number of
13 studies where the fieldwork has been completed and
14 we're ready to take the next step in bringing focus
15 study groups back together to decide how to best
16 analyze that data so that we can ultimately get the
17 condition via the license.

18 MR. HOGAN: Do you have a schedule for that
19 for focus groups and --

20 MR. CARPENTER: Yeah. It's near term, and I
21 was hoping to achieve that today, but I'm looking at
22 over the next month, maybe even over the next few
23 weeks.

24 MR. HOGAN: Not all parties are here today.

25 MR. CARPENTER: Right. Right. But we'll

1 reach out to the people that we've been dealing with
2 in the past. Probably make a general announcement
3 as well.

4 Let's see. You can kind of flip
5 through here, and you can see --

6 Would you like me to go through every
7 study? Would that be the most appropriate?

8 MR. HOGAN: Yeah. That would be good to say
9 where you are on that study, what's left to be done,
10 and if you have kind of an idea for a completion
11 date.

12 MR. CARPENTER: Okay. Okay. On this same
13 page that has the tables, there's some detailed
14 text, but I'm going to use this table for now
15 because it's right in front of me and I don't have
16 to flip all the pages, but you can look through
17 either way.

18 Our study Number 1 is our Water Quality
19 Monitoring Program. That's a study that's being
20 conducted by United's staff in coordination with my
21 team at ENTRIX, but it's primarily happening, at
22 least in data collection form, under their
23 direction, and that's an ongoing monthly process.
24 We have temperature data being collected, water
25 quality samples --

1 MR. DICKENSON: Windmill is completed.

2 MR. CARPENTER: Yeah. And the lake-related
3 water quality information has been collected today.
4 And at this time we're looking to bring that
5 information together and start analyzing and
6 interpreting it for the Exhibit E.

7 Study Number 2 --

8 MR. HOGAN: Do you have a completion date or
9 at least a draft for the Board?

10 MR. CARPENTER: Well, in many cases I think
11 we're think looking at incorporating these into the
12 draft Exhibit E in September of '04. I guess it's
13 possible to release data as it comes available, but
14 I know that's what we're trying to shoot for right
15 now.

16 MR. HOGAN: So you're planning on doing a
17 draft early in September?

18 MR. CARPENTER: Yeah.

19 MR. HOGAN: In our letter which we requested
20 quarterly reports and so forth, we figured as soon
21 as you got studies completed, you could submit those
22 with the quarterly report. It would give us an
23 opportunity to collect comments on those as you
24 completed them.

25 MR. CARPENTER: I think that that study is

1 still ongoing. I mean, not all of the field data is
2 collected --

3 MR. HOGAN: I'm not expecting it for studies
4 that are ongoing but studies that are completed.
5 The agency is comfortable with just getting a
6 draft -- one document at the end in September.
7 We're comfortable with that too. We just had a
8 thought that with the quarterly reports if you
9 completed a study, or at least a draft of the study,
10 you could file that the next quarter and give the
11 agencies time to invite comments and address those
12 comments. But I'll leave that up to the agencies.
13 We won't deal with that.

14 MR. MC EACHRON: Matt, so you know, the two
15 items that are remaining in our study -- one is the
16 inflow into the lake and getting the samples of the
17 tributaries. I'm going to go up there tomorrow
18 actually and see if one of them are flowing because
19 we don't know if we're going to get another rain
20 event.

21 And the other thing is, we put the
22 temperature monitors in at the very beginning of
23 September, and we'll be keeping those in for one
24 year. So we'll be pulling those out in September.

25 MR. PETERS: Would you mind stating your

1 name. We have a court reporter.

2 THE WITNESS: I'm Murray McEachron. I'm with
3 United Water. McEachron, M-c-E-a-c-h-r-o-n.

4 MR. HOGAN: Yes?

5 MR. CARDENAS: Do you want the agency to
6 comment now as to whether we would prefer the
7 releasing of data studies?

8 MR. HOGAN: Sure.

9 MR. CARDENAS: I think I'd like to have it in
10 some interval order.

11 MR. CARPENTER: To kind of take a step back,
12 there are a number of studies where we're doing that
13 because we described it that way in the study plan
14 package. For instance, instream flows, we've
15 collected data, and we're getting to a point right
16 now where we want to engage the agencies and the
17 stakeholders in determining what the next analytical
18 step is going to be.

19 So in some cases, we have data in its
20 raw form. It probably isn't nearly as valuable as
21 bringing it to another useful form and the engaging
22 the agencies to determine because what -- because we
23 had this call back in September for instance, with
24 respect to interstream flows where we weren't
25 exactly sure what species we're managing for. And

1 so we're looking at the data that we collected and
2 we need to engage the stakeholders in order to
3 determine what we're going to focus on.

4 MR. CADENAS: You said you started surveys,
5 for instance, in July, was it?

6 MR. CARPENTER: Well, some surveys started in
7 July. But, like, for instance, instream flows, we
8 didn't do anything until mid October.

9 MR. CARDENAS: So we can actually start
10 compiling that data and backtrack it into a
11 quarterly survey.

12 MR. HOGAN: I think what FERC had a vision of
13 is, once there was a draft report if submitted with
14 the quarterly progress reports, then you could have
15 it before September. At least you'd have a report
16 at that point. But the agencies are saying that
17 they would benefit from the raw data.

18 MR. CADENAS: Yeah, yeah.

19 MR. HOGAN: Do you have a problem submitting
20 that with the quarterly reports as you have them?

21 MR. CARPENTER: I guess as long as it's been
22 reduced into a form that -- I mean, unless you want
23 data sheets and the whole --

24 MR. CARDENAS: You entered that into a flow
25 sheet; right?

1 MR. CARPENTER: Yeah. And that's kind of
2 where we're at right now, is we're plugging and
3 checking some of our data.

4 MR. CARDENAS: I think it would be worthwhile
5 to have that information just because we may have
6 some questions that come up with the data, and it
7 would be nice to take it at the initial step --
8 right? -- than at the very end.

9 MR. HOGAN: And we look at this as, you know,
10 we're on a very tight schedule here and would rather
11 flush out issues sooner rather than later.

12 MR. CARPENTER: I think we've identified the
13 number of studies where that is going to happen.
14 There's other studies that they're just not going to
15 be at that step, and a lot of them are informational
16 in nature. For instance, you know, some of the
17 recreational facility information that's really just
18 an inventory, we haven't received any input that
19 says, you know, "We need that in six months ahead of
20 the draft application." It just needs to be in the
21 draft application.

22 But there are other studies where the
23 stakeholders are driving the analysis. That's where
24 we would -- for instance, wildlife special status
25 species, here is the original map. It's the result

1 of the survey work that we've done and engaged them.
2 What's the next step? And then collect additional
3 information. But that would be based on information
4 we would provide to the agencies. It wouldn't be us
5 just telling them, "This is what we want to do." It
6 would be sitting down, everybody's looking at the
7 same thing, and deciding where we go from there.

8 MR. EDMONSON: Can I just add a few points
9 for clarification? Has it been determined what
10 style or type this licensing process was to be?

11 MR. HOGAN: This is a traditional licensing
12 process.

13 MR. EDMONSON: And then, secondly, when the
14 release of this information is done, is it solely
15 through the agencies or is it to all interveners?

16 MR. HOGAN: It would be to all interveners,
17 to all parties.

18 MR EDMONSON: Thank you.

19 MR. HOGAN: Traditionally this information
20 should be filed with the quarterly report and put on
21 the Commission's Web site and made available to
22 everybody.

23 MR. DICKENSON: We also have to consider that
24 while some of these studies relate to one another,
25 and in fact some studies proceed others or

1 necessarily proceed others, others are stand-alone.
2 And so the stand-alone ones could be submitted in a
3 draft form in accordance exactly as proposed, but
4 some of the sequential ones won't ever be
5 stand-alone. They're going to come out in Exhibit E
6 and be included. Right?

7 MR. HOGAN: Right. I understand that's where
8 you have a lot of intertwined studies, but there are
9 stand-alone studies that are provided in the
10 quarterly report. The agencies and everybody here
11 is working on a very tight time frame. So rather
12 than get the entire document in September, if they
13 can have something in June -- you know, half of
14 it -- that gives them that much more time and helps
15 everybody's schedules out.

16 We're looking at a December 31
17 deadline, and that's not just me saying it. That's
18 my office director who signed the letter, and he's
19 following this very closely. I'm here to stress
20 December 31. You know, the agencies -- we want to
21 help the agencies out any way that we can because
22 everyone is extremely busy. So if we can get data
23 to them or a draft study before the Exhibit E they
24 can look at, that helps.

25 I'll let the agencies and United during

1 your first groups as to how to analyze data which
2 you say is going to take place within the next month
3 or so decide how you want to provide the data, and I
4 would expect maybe a summary of how that meeting
5 goes --

6 MR. CARPENTER: Sure.

7 MR. HOGAN: -- filed with the Commission.

8 MR. CARDENAS: I was wondering, if it looks
9 as if we want to modify something that we realize
10 that we maybe agreed to a certain process or
11 procedure earlier on when we had these initial
12 meetings that we would like to come in and say that,
13 well, rather than have that, we realize that we were
14 wrong and we'd like to have that modified, would it
15 be right now that we do this or --

16 MR. HOGAN: When he comes up to that study
17 and you find a flaw in something that's going on and
18 you realize there was a mistake, go ahead and bring
19 it up. If you want something modified, what I would
20 recommend is that you file it writing -- I'd like to
21 hear it today, but file it in writing with
22 significant justification. Let's say there's a
23 study, and you found a new species, that's
24 significant justification. I don't know what you're
25 thinking of, but just good support for it and we

1 will consider it.

2 MR. CARDENAS: Sure.

3 MR. CARPENTER: So the water quality
4 monitoring program is well under way and is expected
5 to be completed in September of 2004.

6 Study 2 is Geomorphology and Channel
7 Maintenance Flows. This study was initially -- it
8 looked to the fall of 2003 to initiate this study.
9 The recent fire activity that we had in the fall
10 kind of left us with completing other studies and
11 not starting this one until right now, and we've
12 completed our Level 1 Rozgin (phonetic) style
13 geomorphic reach break analysis so that we could
14 start stratifying lower Piru Creek into geomorphic
15 units. And starting in February, this month, we'll
16 be conducting quantitative analyses throughout the
17 lower Piru Creek channel to support sediment
18 transport analysis, channel maintenance flow
19 restriction, and things of that nature.

20 That process, the data collection
21 phase, most of it will occur in February, but we're
22 also going to be looking at the post-spring runoff
23 to look at areas of deposition and things of that
24 nature since our rainfall in this area happens in a
25 relatively small window. So again, this is a study

1 that we're anticipating having completed sometime
2 during the summer of 2004.

3 Indicators of hydraulic alteration --

4 MR. PETERS: Can I ask one question?

5 MR. CARPENTER: Yes.

6 MR. PETERS: Going back to Number 1, what was
7 the rationale for using the two miles that you
8 referred to where the --

9 MR. HOGAN: Upstream?

10 MR. PETERS: -- upstream from the creek, the
11 distance that you referred to?

12 MR. CARPENTER: I think that property, there
13 are five dec boundaries that were first defined by
14 the dec. The two miles, I don't know how accurate
15 that is, but it sounds right. I don't have the FERC
16 background on my map so...

17 MR. DICKENSON: Yeah. Of course, from the
18 lake, distance is going to vary dramatically with
19 the lake level because the lake shifts horizontally
20 as the water level falls.

21 MR. HOGAN: From the high watermark?

22 MR. DICKENSON: From the high watermark, it's
23 right at the high watermark. Just above the --

24 MR. PETERS: So not into the creek, just the
25 reservoir. Is that what you're saying?

1 MR. HOGAN: Well, the creek is part of the
2 reservoir.

3 MR. DICKENSON: High water is actually -- the
4 project boundaries are actually defined as to the
5 top of the dam as if the dam were about to
6 overflow, so the five boundaries do go up the
7 creek. Normal maximum is 30 feet or 40 feet below
8 that, which makes for a long stretch of the creek.
9 That's in the project measures. There's a USGS weir
10 that we visited yesterday that says as a project
11 manager.

12 MR. HOGAN: You can use the weir from Santa
13 Felicia Dam as a reference, how far upstream from
14 the dam.

15 MR. CARPENTER: Okay. I think I can do that.

16 To take a quick step back, we actually
17 have -- in our mapping exercises we have river mile
18 stationed Piru Creek and Santa Clara River so that
19 we can have this consistently and where we're
20 talking about facilities, study sights and things of
21 that nature. River mile 0.0 for, quote, Piru Creek
22 being the confluence for the Santa Clara River. We
23 move upstream. All these maps have tick marks,
24 tenth-of-a-mile tick marks on them. You get up to
25 the dam at about river mile 6.2, and if we draw a

1 straight line through here through the lake and the
2 extent of inundation is in the neighborhood of River
3 Mile 10. So we're talking about roughly four miles
4 upstream of the dam itself.

5 MR. PETERS: Thank you, Matt.

6 MR. CARPENTER: Sure. Okay. Indicators of
7 Hydraulic Alteration, this is a study that is being
8 conducted collaboratively between my team at ENTRIX
9 and United Water with Murray McEachron here. We're
10 in that process. There was an IHA study conducted
11 in the original application, and when we engaged in
12 the study-group process to come up with these study
13 plans, we determined that the best approach would be
14 to incorporate -- that study was kind of a more
15 base-and-scale study and we're kind of focusing on
16 Piru Creek itself within that larger framework. So
17 we're kind of enhancing an existing study, but it
18 required us to take kind of a fresh look at all of
19 the data. So that process is ongoing in acquiring
20 historic data and building a data base that will
21 support conducting that analysis. So this is a
22 study that is also slated for completion in summer
23 of 2004.

24 And this is also -- in some ways this
25 includes beta flows analysis looking at surface

1 water-groundwater interaction related to
2 conservation releases and hydrologic response of the
3 Santa Clara basin and the groundwater and surface
4 waters that are included there.

5 Study 4 is Vegetation Mapping. This is
6 a study that the field survey work is completed. We
7 recently completed our draft GIS mapping. These
8 maps represent that effort. These still need to be
9 QC'd, but I thought I'd bring them just to
10 demonstrate that we've done what we said we were
11 going to do, and this is the type of product that
12 folks should expect, along with, you know, a
13 methodology and discussion of the results.

14 With this study, this is the kind of
15 study that we will have -- we can provide in the
16 next quarterly report because we have at least a
17 summary of this information written up. You know,
18 part of our challenge with providing results to the
19 stakeholders is that writing for the Exhibit E is a
20 little different than writing for a technical
21 report. And so to the extent that we can be brief
22 here, you know, and be data-heavy-discussion
23 limited -- because we'd like to save that discussion
24 for the Exhibit E unless it's pertinent at this
25 time. But for a study like this, we want to convey

1 to FERC and the stakeholders what we've collected
2 today, and frankly, we're not at a point where we're
3 ready to analyze it in the context of the project.
4 We're looking at what the resources are strictly as
5 an inventory, and I think that's what was asked for
6 in the study-plan package.

7 MR. HOGAN: Does that sound feasible to the
8 agencies?

9 MR. CARPENTER: Maurice?

10 MR. CARDENAS: Can I go back real quick to
11 Number 2?

12 MR. CARPENTER: Okay.

13 MR. CARDENAS: I wanted to know, John had
14 mentioned a while ago that they were going to try to
15 limit natural flows below Felicia Dam, and I was
16 wondering if that is still -- does that still look
17 like you're going to do that, limit the summit
18 flows, natural summit flows?

19 MR. DICKENSON: Well, Yeah. We do that now
20 as our water rights dictate that we release natural
21 flow up to 5 cfs. That's the way our water rights
22 are spelled out.

23 MR. CARDENAS: And you're going to shut off
24 flows where you have indicated to show that
25 that's --

1 MR. DICKENSON: Right. We have a formula we
2 could share with everyone that we've developed to
3 describe what the natural flows are, because, of
4 course, there's that significant project upstream of
5 us, Pyramid, that filters hydrologically on the
6 inflow. So the Blue Point gauge upstream of the
7 project is a natural flow, you know, so there's
8 other things that have to go into determining what
9 the natural flow would have been were Pyramid not
10 there.

11 MR. HOGAN: John, correct me if I'm wrong,
12 but your water right and minimum flow requirement is
13 5 cfs or inflow, whichever is less, but it's
14 definitely not a maximum cap.

15 MR. DICKENSON: No. Wait.

16 MR. HOGAN: If you wanted to put more than
17 5 cfs down through the system, you could.

18 MR. DICKENSON: That comes out our
19 appropriated water, 5 cfs. Our appropriation gives
20 us everything over 5 cfs.

21 MR. HOGAN: Just the way that you had it
22 phrased, you sounded like you had it capped at 5 cfs
23 I just wanted to clarify that.

24 MR. CARDENAS: My point really was, when you
25 do these geomorphology and channel maintenance

1 flows, are you going to be doing that new subregime
2 minimum flows where they'll be having that data for
3 those kind of releases?

4 MR. CARPENTER: Well, the channel maintenance
5 flows, the way that they're developed are based on
6 the local hydrology, including disorder hydrology.
7 But channel maintenance flows are a different event.
8 It provides some opportunity to, you know, flush
9 sediments and things like that, and to the extent
10 possible minimum, you know, natural conditions as
11 opposed to regulated conditions. In this case,
12 right now you're getting probably somewhere in the
13 neighborhood of the right flow in terms of quantity
14 of flow, but it's happening in a different time of
15 the year than would occur in nature.

16 It's happening in October. Channel
17 maintenance flow, if we come up with -- if we
18 predict a number, it might be 300, 400 cfs for a
19 sample, or something like that, and that's what
20 maintenance flows are kind of all about.

21 MR. CARDENAS: You're talking about higher
22 flow conditions rather than --

23 MR. CARPENTER: Sediment transport.

24 MR. CARDENAS: I was way off. You're talking
25 about --

1 MR. CARPENTER: To clarify, channel
2 maintenance flows are closely -- or they're directly
3 or related to sediment transport. So that's what
4 we're going to be collecting information to find
5 out.

6 MR. CARDENAS: Okay. Sorry.

7 MR. EDMONSON: Would you also agree with me
8 that channel maintenance flows can have a larger
9 effect beyond the geomorphic condition of the
10 channel and sediment: i.e., sea-setting vegetation,
11 large woody debris, fish stock and all those kind of
12 activities?

13 MR. CARPENTER: Sure. Sure. I think the way
14 we get to the number is more a play to the
15 geomorphology. There's wood recruitment and all
16 kind of things that -- you know, flood plain
17 interaction. You know, that's part of the analysis.
18 Stan?

19 MR. GLOWACKI: Are these studies going to be
20 also evaluating effects to aquatic species during
21 the time of the year that these studies are done,
22 aquatic species that are actual present, and will
23 they also address the effects to steelhead which
24 aren't there now but some day could be in the
25 system?

1 MR. HOGAN: Before you answer that, Stan,
2 would you identify yourself.

3 MR. GLOWACKI: I'm Stan Glowacki,
4 Cal Fishery; Stan, last name G-l-o-w-a-c-k-i.

5 MR. CARPENTER: Okay. So you're asking about
6 the effects that of the species based on channel
7 maintenance, prescribed channel maintenance flows?

8 MR. GLOWACKI: Do these studies just
9 effect -- just talk about geomorphology or are they
10 talking about species?

11 MR. CARPENTER: Like I said, it's based on
12 geomorphic principles, but any change to the license
13 conditions, we'd have to -- somebody is looking at
14 the effects to the other resources, not just, you
15 know, the benefits to, you know, sediment and things
16 like that. It has to be evaluated in the -- more
17 the creek-as-an-organism context.

18 MR. DICKENSON: What's the relationship
19 between this geomorphic instream flow that we're
20 talking about, and the -- I'm sorry channel
21 maintenance flows and the instream flows? Maybe
22 these flows are considered under the instream flow
23 studies, and that's where the --

24 MR. CARPENTER: I think that there's
25 information that was collected in Study 14, the

1 instream flow study that will help -- will
2 facilitate making decisions or calling impact out as
3 a result of predicted or projected or prescribed
4 channel maintenance flows. So I think that we kind
5 of have enough -- we will have information in place
6 to conduct that analysis of effects on, you know,
7 fish, for instance.

8 MR. GLOWACKI: Thank you.

9 MR. PETERS: If I could ask one more question
10 just so I can understand. This sounds like a trick
11 lawyer question, I know, but it's not meant to be.
12 I just want to understand the issue.

13 Let's say hypothetically, John,
14 yesterday the flow from Pyramid down was 20 cfs.
15 How would that effect your 5 cfs release below the
16 dam? What's the relationship between those two?

17 MR. DICKENSON: I would have to research the
18 water-rights documents, but I believe that that's
19 what that 5 cfs -- and it sounds like a cap --
20 means, is that we have the water rights from the
21 State Water Resource Control Board to appropriate
22 water above 5 cfs. And by appropriation here in
23 California, we mean that we're allowed to store that
24 water, making it then forward in time. It's forward
25 in time to the creek. If we release that at a

1 future point, it is appropriated water, and it's no
2 longer natural water.

3 MR. PETERS: Okay. Thank you.

4 MR. CARPENTER: Does anybody have any more
5 questions about this analysis?

6 (No audible response.)

7 MR. CARPENTER: So we talked about the
8 vegetation mapping. I think I described that. Were
9 there any questions related to Study 4 after we took
10 a step back?

11 (No audible response.)

12 MR. CARPENTER: Okay. We'll go ahead and
13 move on. We have two more studies focused on
14 vegetation: Study 5 and Study 6. Study 5 is
15 Special Status Plant Survey, or rare plant surveys,
16 and Study 6 is a Noxious Weed Survey. Those are
17 season-dependant. They're spring surveys. They
18 happened during the course the three independent
19 months in the spring and early summer where we're at
20 here in Southern California, and we're actually
21 going to be conducting those surveys starting in
22 late March or early April. We have that kind of
23 flexibility with the way the protocol is spelled
24 out.

25 Betty?

1 MS. COURTNEY: How much of that study area
2 was burned in the Piru fire?

3 MR. CARPENTER: I don't know that offhand. I
4 mean, that would be something we could look into.
5 I'm sure Ventura County has some burn area as does
6 the forest service, but I have no idea how much of
7 the subwater burned.

8 MR. DICKENSON: There was some burned. The
9 study area under the watershed wasn't a significant
10 study area for the plants. They're mostly
11 associated with the Piru Creek corridor and not a
12 lot of that burned.

13 MR. CARPENTER: Yeah. The buffer that we
14 have, some of it was burned, but I honestly can't
15 tell you what percentage may have burned.

16 MR. DICKENSON: It's a good question. I
17 would guess 15 percent.

18 MS. COURTNEY: Is there a way to get that
19 information in the next couple weeks?

20 MR. CARPENTER: I suppose. I mean, we would
21 be dependent on some other agencies and their
22 ability to provide that information, because my
23 reaction right now is that Ventura County is going
24 to have information in one shape or form and the
25 Forest Service is going to have that information.

1 And they're going to be not tied together, so we'll
2 have to seek that out.

3 MR. MC EACHRON: I think I have GIS of the
4 area.

5 MR. CARPENTER: Do you?

6 MR. MC EACHRON: So we could come up with a
7 calculated area and overlay that on --

8 MR. HOGAN: Are you saying a special issue
9 that you want to direct?

10 MS. COURTNEY: Well, I'm saying if those
11 areas were burned and you haven't had any surveys
12 done prior to now, you're obviously going to get
13 different species or no species, depending on the
14 severity of the burn. Some of the burn areas were
15 actually severe where the soils were actually
16 destroyed in the fire, and that is going to take
17 several years for those areas to start to come back.

18 MR. CARPENTER: Well, I think what Murray had
19 indicated -- it sounds like he has got the GIS
20 overlay.

21 MR. MC EACHRON: Yeah.

22 MR. CARPENTER: We can take that and pop it
23 right into our veg map and see if it fits into our
24 buffer or where it goes. And then we can talk about
25 how big that number is and what it's --

1 MR. HOGAN: How to fix it.

2 MR. CARPENTER: Yeah. What affect it might
3 have on our ability to fully assess what we said we
4 were going to assess.

5 MS. HOLSOPPLE: Matt, in your original study
6 plan, you had listed approximately 12 plant species
7 that were known to occur in the area or that could
8 occur in the area. Do your surveys -- are they
9 going to include all of those or have you narrowed
10 it down to a select number of plant species?

11 MR. CARPENTER: We're going to be on the
12 lookout for all of them. There are some species
13 that we suspect are more likely to be there than
14 others.

15 MS. HOLSOPPLE: But you are going to do
16 surveys --

17 MR. CARPENTER: We're going to be doing it
18 based on that list as well as noxious weed, where
19 we'll have a suite of plants that we're focusing on
20 because we think they have a higher potential to be
21 there.

22 So those studies are going to occur up
23 to, I believe, July of 2004, and so that's one of
24 those ones where in terms of reporting, we'll
25 probably be right up against -- you know, late

1 August, September time frame for being able to
2 report that information.

3 We're also conducting a riparian
4 vegetation field survey this spring. We're going to
5 be taking a closer look at -- we're more or less
6 refining what we've done here in terms of looking at
7 vegetation in Piru Creek and the species that
8 inhabit that area, but basically looking at the
9 community structure there and calling out unique or
10 important features like flood-plain habitat, marsh
11 areas, wetlands, things of that nature, or
12 habitat-limiting areas -- you know, areas where the
13 creek itself has very little of important habitat
14 type -- trying to get that information.

15 But also just trying to semi-quantify
16 how much flood-plain habitat is there and things of
17 that nature, you know, in here so that we can tie in
18 its relationship with some of the nature and
19 sensitive species that may be present in the area.

20 MR. PETERS: Will that study address the
21 California Condor Sanctuary?

22 MR. CARPENTER: The riparian survey?

23 MR. PETERS: Yes.

24 MR. CARPENTER: No, I don't believe it will.
25 I think that we were going to cover that in our

1 special status wildlife.

2 MR. PETERS: I'll wait until that then.

3 MR. CARPENTER: Yeah. That's actually the
4 right study. The riparian surveys are just like the
5 special status plants. Those are going to be
6 surveys conducted up until early summer, data
7 analysis through the summer, and probably some sort
8 of reporting element in August or September of 2004.

9 MR. CARDENAS: Are you going to include fish?

10 MR. CARPENTER: We've already done fish.
11 Those are in different studies.

12 MR. CARDENAS: Getting back to the thing
13 about these changes and releases, how did you do the
14 studies when you had intermittent flows in the
15 summer?

16 MR. CARPENTER: Well, we didn't have
17 intermittent flows when we conducted the surveys.
18 We conducted them during base-flow conditions.

19 MR. CARDENAS: That's the point I was getting
20 at earlier, is that we need to know what the fishery
21 habitat in the summer is going to look like now that
22 United is going to kind of follow this natural flow
23 regime which means that that section of river that
24 used to flow will now be dry, the lower section, and
25 there will be a section that will remain wet

1 immediately below the dam. We have to know what
2 that is now. We can't use the old data because the
3 old data was a continuous flowing stream all year
4 long. Now we're going to have a short reach, a
5 shorter reach.

6 MR. DICKENSON: No, no, no. That will be
7 weather and base-flow dependent, natural-flow
8 dependent. Natural flow can be and was what it was
9 last year, and that's at what time -- between the
10 time the survey was done. I don't know what the
11 weather is going to hold and whether next summer
12 will be any different, but, you know, if we waited
13 to get all the different natural inflow conditions,
14 to do that, we would not be able to meet this
15 deadline, and our studies are going to determine
16 what it is we need to do.

17 MR. CARPENTER: I think that what we've
18 intended to do with this study is what we do with
19 most studies, survey habitat conditions under the
20 normal low-flow conditions, preferably not dry, so
21 that we can see what the limiting habitat looks like
22 in terms of what is the worst-case conditions for
23 rearing habitats, for instance for salmonids or
24 other fish that require deeper pools. Because if we
25 use that for our baseline, low-flow conditions, then

1 we can build upon that in terms of what is possible
2 there.

3 But that was what the flow was at the
4 time, and that's typically the range that it's in.
5 Understanding that maybe it will be zero at some
6 point and maybe it will be 20, but that wasn't what
7 was intended with the study. The study wasn't
8 intended to look at the variation in habitat under a
9 number of different flow streams. It was to go out
10 and identify -- inventory stream habitat for the
11 purpose of conducting instream flow studies, and
12 stream studies and things of that nature, aquatic
13 sampling. So I think what you're getting at is a
14 few steps beyond the intent of the original study.

15 MR. CARDENAS: Well, I guess I was under the
16 assumption that we would have intermediate flows now
17 in the summer. The reason it's important and the
18 reason I want to bring this up is because the
19 red-legged frog and the arroyo toad really need
20 natural flow regimes for them to make it. You would
21 have this artificial condition, which I think it is,
22 where you have continuous flow, you have invasive
23 species that really do some havoc on the natural
24 species. You have bullfrogs that are very
25 successful in those continuous flowing conditions.

1 MR. HOGAN: Well, right now we have a budget
2 application before us where you have a proposal on
3 how you're going to operate the project. That
4 proposal hasn't taken any of these things into that
5 consideration, so I don't know if you're going to
6 come out with a modification to that proposal based
7 on the comments or you're going to allow the
8 Commission to decide how that needs to be modified.
9 Either way, Fish and Game, you know, will have an
10 opportunity to comment.

11 We're going to be scoping this. So
12 based on the study results, you're going to say
13 there's habitat down there, but the flow regime is
14 not suitable to providing the ultimate habitat for
15 whatever species it may be, and this is the flow
16 regime that we feel should be implemented to help
17 that species. We'll consider that along with all
18 the other issues that are coming in, and we will try
19 to work out how best to license the project.

20 The best way to do it, though, is to
21 get together with United and say, "This is how we
22 think you should modify the proposal to FERC." If
23 they come in with a proposal that works for
24 everybody here, we're much more apt to go along with
25 it, and people are happier than if we decide how

1 it's going to look.

2 MR. CARDENAS: Just one thing that kind of
3 fortifies the idea of doing that is that immediately
4 upstream of Piru Creek Reservoir, Fish and Wildlife
5 Service has now changed -- has required the
6 Department of Water Resources to change their flow
7 so that they, in fact, mimic natural flows for the
8 same reason you guys discussed earlier. So not only
9 is there going to be now lesser flows during the
10 summer from Pyramid into Piru so that we promote the
11 endemic species there, but that's what I thought we
12 were going to expect downstream.

13 So basically what I would like to do is
14 get with John at some time and so we have enough
15 time to iron all of this out so that we can maybe
16 get the data if there is new data that needs to be
17 recorded so that we can make some determination.
18 I'd like to have that done as soon as possible so we
19 can coordinate and make sure --

20 MR. HOGAN: What kind of data would you like
21 to have collected?

22 MR. CARDENAS: Well, I'd like to look at
23 their projected flow data. Under what conditions
24 would they expect the lower river to go dry? How
25 often would that happen? With this whole new regime

1 that's happening up as a result of Pyramid shutting
2 down it's summer flows, I think that might have
3 something to do with it. I'm not sure. So I would
4 like to have the creek -- I would like to have the
5 time to have surveys done if it indicates that we
6 are going to have intermittent conditions in the
7 lower creek in the summer.

8 MR. CARPENTER: What kind of surveys are you
9 talking about that haven't been identified here?

10 MR. CARDENAS: Just flow data.

11 MR. CARPENTER: So state discharge data.

12 MR. CARDENAS: Yeah. And the rate and extent
13 that you have this data -- I mean the extent that
14 you have continuous flow of surface water from the
15 dam to wherever it subsides. Real straightforward.

16 MR. CARPENTER: I understand that and I'm
17 just going to mention one thing. In the next study,
18 I was going to describe the special status wildlife
19 habitat surveys. One of the things that we've done
20 is identify habitats for the sensitive species that
21 you're talking about, you know the herps, and also
22 the riparian, the vireo, and the southwestern bull
23 flycatcher in lower Piru Creek. And I think that it
24 would be extremely valuable to talk to you and this
25 is one of those focus study groups that is probably

1 going to have to happen first anyway because we have
2 a protocol survey starting in March where you guys
3 will now have information to decide what else you
4 need to see. And, you know, based on what we've
5 seen today, there's some limiting factors that the
6 stakeholders need to take into account before we
7 start engaging in grander scale studies.

8 MR. CARDENAS: I think the sooner we get
9 together and start making these meetings, the better
10 it's going to be, because I think I have questions
11 that we're just going to have to not take time here
12 but settle out and then come back to the group.

13 MR. CARPENTER: Right.

14 MR. HOGAN: I think what I've heard from Matt
15 is he plans on assembling these in the next four to
16 five weeks.

17 MR. CARPENTER: Yeah. It's right here. It
18 says late February, early March 2004, focus study
19 groups meetings, Study 8.

20 MR. DICKENSON: Are you just talking about
21 Study 8 now?

22 MR. CARPENTER: Yes.

23 MR. HOGAN: I would just encourage those
24 agency personnel study groups to try to coordinate
25 now for a date 30 days or 40 days in advance. Don't

1 wait until the end of February and say, "Hey, we
2 want to have a meeting next week."

3 MR. CARPENTER: No. That's understand.
4 Thanks.

5 Yes, Stan?

6 MR. GLOWACKI: Just what protocols are you
7 using for the riparian?

8 MR. CARPENTER: For the riparian?

9 MR. GLOWACKI: Yeah. What was the protocol?

10 MR. CARPENTER: For riparian mapping or for
11 aquatic habitat surveys? They're two different --

12 MR. GLOWACKI: For Study 7, Riparian Survey,
13 what protocol?

14 MR. CARPENTER: The protocol that was
15 outlined in the study-plan packet. It's my
16 understanding, it was probably a hybrid -- as many
17 of the riparian studies are, it was based on the
18 focus study-group meetings we had a year ago
19 November. So I can't say specifically what we're
20 doing there because I don't have the study-plan
21 packet in front of me. But we are doing riparian
22 surveys and that shouldn't be confused with aquatic
23 habitat surveys, which is an entirely different
24 study purpose, and we'll talk about that in a few
25 minutes.

1 In terms of special status wildlife,
2 facilitating, aiding, and whatnot, to move forward
3 with special status species protocol surveys, back
4 in November of 2002, we had identified four target
5 species: southwestern arroyo toad, California
6 red-legged frog, southwestern willow flycatcher, and
7 least Bell's vireo. And we actually put those
8 protocol surveys into the plan.

9 The first step was Study 8, which was
10 to identify potential habitat for those species so
11 that we could identify where would we focus these
12 surveys on. Because what we're shooting for is
13 presence, not necessarily absence. It's like where
14 would they be if they're there.

15 And ultimately United has kind of, you
16 know, exhibited a desire to manage -- expecting,
17 based on potential, to be there and manage for the
18 habitat as opposed to, you know, it's there one year
19 and it's not the next -- expect it to be there. So
20 that was why we took that more course-scaled
21 approach to that study. So that we could come back
22 to this group, identify where the potential habitat
23 is, and decide where we want to get the most bang
24 for our buck in terms of going out to find presence.

25 And we've conducted that wildlife

1 study, and our GIS map is in prep right now.
2 There's a number of areas in lower Piru Creek --
3 some parts of the lake, particularly the tributary
4 inlets, and the reach of Piru Creek immediately
5 upstream of the dam up to Blue Point Camp Ground is
6 also an area of particular interest for all of those
7 species.

8 MR. HOGAN: Apparently you've identified the
9 habitat, but you haven't done a species --

10 MR. CARPENTER: The protocol survey -- the
11 protocol spells out not starting until March, April,
12 and in some cases they need to be conducted once
13 during each month or any time for four days within a
14 six-month period. So we've outlined that in our
15 study plans, and that's exactly how we intend to
16 proceed.

17 MR. HOGAN: So the agencies actually want
18 on-the-ground surveys, and they would just be
19 satisfied with the management of the habitat for
20 these species?

21 MR. DICKENSON: The reason I recall for
22 developing these protocol surveys -- and they are
23 limited graphically in scope by such -- but the
24 reason, as I recall, Betty, we knew we were going to
25 have habitats for species that might be competing

1 for a certain flow or we might map different
2 habitats for these different species, and we
3 wouldn't know which one to manage for unless we knew
4 which one was actually using the habitat. So the
5 idea was to do protocol surveys where we can and use
6 that information to manage the habitat that is being
7 used --

8 MR. HOGAN: That makes sense.

9 MR. DICKENSON: -- ahead of the habitat that
10 isn't used.

11 MR. CARPENTER: Yeah. That's a good point,
12 that there's an interdependency among habitats.

13 MR. HOGAN: And conflicting interests.

14 MR. CARPENTER: Yes. Study 9 --

15 MR. PETERS: Before you go to 9, and the
16 reason I mentioned the condor issue is that I have a
17 map here that I pulled off the Forest Services Web
18 site that may or may not be accurate. But if it is
19 accurate, it appears that that sanctuary
20 incorporates part of the project boundary --

21 MR. HOGAN: Or right down to it.

22 MR. PETERS: -- up to Blue Point. So if
23 possibly you could obtain an actual accurate map and
24 determine whether or not that sanctuary incorporates
25 the project boundary, that might be helpful.

1 MR. CARPENTER: Okay. Yeah. That's the
2 first time I've ever seen it.

3 MR. DICKENSON: I've never seen that
4 extension.

5 MR. PETERS: Again, I'm not saying that this
6 is accurate. It's a Web site of the Forest Service,
7 but I'm sure they have hard maps that are more
8 detailed.

9 MR. DICKENSON: You'd imagine there would be
10 a public process before they'd extend the
11 boundaries.

12 MR. CARPENTER: Well, we'll look into it. We
13 can look into it soon and actually wrap it into this
14 book, a study group meeting, and say, "Okay. We're
15 in the sanctuary. We're not looking at that at this
16 time."

17 MR. PETERS: That's fine. Thank you.

18 MR. CARPENTER: But I understand. You want
19 that map back?

20 MR. PETERS: You can keep it.

21 MR. CARPENTER: Thank you. So Study 9, 10,
22 11, and 12 represent those protocol surveys all
23 being initiated this spring, some terminating in the
24 mid-summer period. Some may go a little bit longer.
25 We're probably not going to go much longer than mid

1 summer just because we need this information to be
2 incorporated into the Exhibit E. So that's kind of
3 our window right now.

4 MR. DICKENSON: Can we share a little bit
5 about who's doing what?

6 MR. CARPENTER: Yeah. Yeah. With respect to
7 the special status species protocol surveys, we have
8 a couple of different local experts that are going
9 to be conducting the studies. Nancy Sandburg is
10 going to be conducting the arroyo toad and
11 red-legged frog surveys, and Jim Greeves is going to
12 be conducting the vireo and willow flycatcher
13 surveys. And those are both, you know, respected
14 scientists in the area down here. They've done a
15 lot of work and have worked often with the agencies.
16 And so from my standpoint, we're just coordinating
17 them.

18 MS. HOLSOPPLE: Are the agencies in agreement
19 that these species that are being examined are the
20 only ones being looked at? I mean, you don't have
21 any other species? Because I printed out a list of
22 species that are in Ventura County, whether they're
23 listed as threatened and endangered, and there's
24 some of those on here that are threatened and
25 endangered that there aren't specific citations to

1 those, and I'm just wondering if the agencies are in
2 agreement with these four. Are there any additional
3 ones?

4 MR. DELLITH: As far as the federally listed
5 species, we're satisfied they're covered.

6 MS. HOLSOPPLE: Okay.

7 MR. CARPENTER: Moving on to Study 13, which
8 is Aquatic Habitat Studies, and this speaks to what
9 we would call the fish habitat side of things, where
10 we conducted habitat -- aquatic habitat mapping from
11 the confluence of Piru Creek to the Santa Clara
12 River up through to Santa Felicia Dam. And we're
13 also in the process of collecting habitat data
14 upstream of the dam. We collected this information,
15 the lower Piru Creek information in the early fall
16 to facilitate finalization of an approach for
17 conducting our instream-flow studies that were
18 linked to that conservation release in October, so
19 we needed to have habitat information in order to
20 properly stratify lower Piru Creek for transectional
21 activity and things of that nature.

22 I can tell you a little bit about what
23 we found. Piru Creek at that base-flow condition,
24 5 cfs range, is really divided up into thirds. If
25 you look at habitat based on presence of pools,

1 ripples, and runs, they're all in the 30s
2 percentilewise, ripples being delineating habitat
3 unit. So there's generally a lack of deeper
4 pools -- deeper meaning greater than three feet
5 deep -- which is important when we start talking
6 about the suitability of habitats for species of
7 interest in this neck of the woods, which would be
8 whether we're talking about rainbow trout.
9 Certainly we're also looking at that habitat
10 structure as it's the results to the native non-deep
11 fishes as well which happen to be far more abundant
12 in lower Piru Creek than trout.

13 So we're going to actually be going up
14 to upper Piru Creek and surveying that stretch
15 between the top of the lake and Blue Point Camp
16 Ground here in the near future. We're also going to
17 be pulling some information from Department of Fish
18 and Game and Forest Service. We know that there's a
19 number of different habitat and population studies
20 that have happened in that reach between Piru Lake
21 and Pyramid, so we're interested in trying to
22 synthesize some of that information and at least
23 have it as we move forward in this process.

24 Study 14 is our instream flow study .
25 With this study back in August and September of

1 2003, we conferred with our focus study group
2 membership for actually implementation of this
3 study. How are we going to proceed? Get it down to
4 a final approach, and that flow study was
5 interrelated with a number of other studies that
6 we're looking at, things such as, you know, change
7 in available habitat which is kind of a typical
8 approach to inflow studies. But we're also looking
9 at things like potential stranding issues of fish in
10 Piru Creek and the lower Santa Clara River. As
11 flows receded, there was a number of different
12 things happening.

13 The primary focus of the instream flow
14 study was to examine habitat -- changes in available
15 habitat in lower Piru Creek under a lower flow
16 regime than is United's maximum flow regime.

17 John?

18 MR. DICKENSON: I'm sorry. Maurice stepped
19 out. Does this answer his question? Does that
20 information answer Maurice's question regarding
21 habitat going to zero. Can we extrapolate --

22 MR. HOGAN: Why don't we wait until Maurice
23 comes back since it is his question.

24 MR. COHEN: Does this study measure whether
25 there's instream flow to Piru?

1 MR. CARPENTER: The instream flow?

2 MR. COHEN: Yes.

3 MR. CARPENTER: No. No. The instream flow
4 is looking at the available habitat, whether it be
5 migration habitat for salmonids or it be backwater
6 habitat for sticklebacks. That's what the whole --
7 under a different flow regime, we go out and we
8 survey specific areas under a different flow regime:
9 15 cfs, 25 cfs. 10 cfs. And based on that, we
10 refer to criteria that is associated with species of
11 interest. We come up with a curve that helps us
12 extrapolate what's going to be available to that
13 species under the -- in between and the outlying
14 kind of flow conditions. So even though we didn't
15 see it at 75, that curve will allow us to cut this
16 off at 50 maybe, depending on the power of our data
17 and things like that. That's kind of the whole idea
18 is how will a habitat look under a different flow.

19 Jim?

20 MR. EDMONDSON: It's a very powerful tool.
21 Basically it shows you predictions on fish habitat
22 flows and quality of different flow streams so
23 you're able to begin the pick and flow process.

24 Matt, this pretty much is a PHABSIM
25 operation, I understand.

1 MR. CARPENTER: On lower Piru Creek it was.
2 I mean, that was the approach we used to collect the
3 data.

4 MR. EDMONDSON: So maybe this question is
5 premature because I think it shows up otherwise, but
6 you used this term of "migration barrier evaluation
7 factor kind of process." Are you using the
8 Thompson Protocol for that?

9 MR. CARPENTER: It's certainly in the spirit
10 of Thompson. We don't know what the data looks like
11 right now, but we want to make sure it fits into the
12 Thompson's box before we call it Thompson. But I
13 think that's another conference period where we need
14 to meet with the agencies and say, "This is what the
15 data looks like. Is this how we want to proceed in
16 analyzing and interpreting it?" Maybe what you're
17 speaking about is looking at limiting factor
18 migration sites for focus on steelhead migration on
19 the Santa Clara River below the Piru Creek
20 confluence moving down toward Santa Paula and
21 Ventura.

22 MR. EDMONDSON: Are you going to have a focus
23 group to talk about that protocol before you
24 actually go out there and do that?

25 MR. CARPENTER: Well, we've already collected

1 the data.

2 MR. EDMONDSON: Right. But it's how you
3 interpret the data.

4 MR. CARPENTER: The interpretation, yes, we
5 are intending to --

6 MR. EDMONDSON: We definitely want to have
7 Dr. Bill Thrush, our consultant on this project, be
8 part of that discussion group when it happens in the
9 future, because we have some serious concerns about
10 the Thompson Protocol, not to do about it, but --
11 I'm not sure what to do about it, but Dr. Thrush
12 from Humboldt State will talk to you about it.

13 MR. CARPENTER: Yeah. I think, to answer you
14 question, we tried to collect as much data that
15 could be widely utilized in a number of different
16 analyses, and I think we've hit that and that's why
17 we have all these great stakeholders to help us
18 decide what to do as we move forward. So that's an
19 integral component of this whole thing.

20 John?

21 MR. DICKENSON: Maurice, when you were out, I
22 asked a question and then we decided to wait until
23 you got back. What I asked was: This instream flow
24 bottle stuff that we've gone to great lengths to
25 acquire the data for, I asked whether that can be

1 extrapolated down to zero flow and an active aquatic
2 habitat and how it varies the flow. And then I was
3 asking if that can be extrapolated down to zero flow
4 which would answer your question about what that
5 would be expected to look like.

6 MR. CARDENAS: I don't know.

7 MR. DICKENSON: I was asking Matt.

8 MR. CARDENAS: What's his answer?

9 MR. DICKENSON: I didn't get an answer to
10 that.

11 MS. PURPUS: We did -- for each reach we did
12 a stage zero flow also study which would help with
13 the extrapolation.

14 MR. CARPENTER: I think to get to kind of the
15 heart of what you're asking, Maurice, is that where
16 we do have transects, which are representative of
17 the three primary habitat units that we find in
18 lower Piru Creek, we will be able to utilize curves.
19 That tells us how much usable habitat is present at
20 zero or near zero flow. Because we've looked at it
21 at 5 cfs, we'll have a better ability.

22 We haven't seen it at zero flow, but we
23 will have some insight into what zero flow might
24 look like from a longitudinal perspective in terms
25 of linear river miles and how much wet this area is.

1 Like you were talking about low surface flow and
2 not, that's an observed condition. You would have
3 to model it in a completely different way to predict
4 what might happen. You would have to apply before
5 it would go out.

6 MR. CARDENAS: For 2 cfs?

7 MR. CARPENTER: Yeah. Spend a lot of money.

8 MR. CARDENAS: Well, we'll talk. I think
9 it's going to be straightforward actually, but we've
10 got to get the ball rolling.

11 MR. CARPENTER: Yeah. And that's what we're
12 talking about. That's why we're here now, and we're
13 going to be talking for sure in the weeks to come.

14 So the instream flow study -- just to
15 give you an idea of what we're looking at, these
16 migration sites that we evaluated on the lower
17 Santa Clara River, those were evaluated while United
18 was releasing kind of the upper tier flows: 500,
19 400 cfs's. They basically ramped their flows up
20 pretty quick.

21 Within 10 days?

22 MR. CARDENAS: Oh, less than that.

23 MR. CARPENTER: Yeah. They were from 5 to
24 500 within a few days. And at that time, Murray and
25 I went out and established these transects prior to

1 the close-out week, and there wasn't a drop of water
2 to be found anywhere on the Santa Clara River, or at
3 least where we were looking at migration issues. So
4 within a few days, you've got 500 cfs in. So we at
5 least went out and developed standardized transect
6 and surveyed -- we basically collected information
7 to establish some state discharge relationships
8 under those flow conditions understanding that this
9 is a linked surface water, groundwater system and
10 that 500 this year is probably going to -- is going
11 to produce a different condition next year at any
12 given point on the lower river depending on how
13 groundwater sits. But for the year, we captured a
14 number of different flows.

15 Betty?

16 MS. COURTNEY: When you did your summer
17 release flows, did anything get to the estuary.

18 MR. CARPENTER: To the estuary? No. No.

19 MS. COURTNEY: How far down did you go?

20 MR. CARPENTER: It gets to the creek.

21 MS. COURTNEY: So you captured everything at
22 the creek?

23 MR. MC EACHRON: Yes.

24 MR. CARDENAS: Ramping rates, we are going to
25 have to have some -- if we're looking at the issue

1 of frog and toad, then we're going to have to get
2 some idea of what the expected ramping rates are
3 when you've got -- when United is going and if
4 there's construction, utilizing the hydrogenerating
5 system. We would need to know what those ramping
6 rates would be and maybe more importantly when you
7 would expect to engage those -- you know, to
8 activate those generators, because it might lie
9 outside those critical period -- according to the
10 map as critical -- you know, it wouldn't be as
11 problematic if you started doing it when you have
12 eggs or tadpoles.

13 MR. HOGAN: So United will be proposing
14 ramping rates with their modified application, and
15 you can provide comments on that.

16 MR. CARPENTER: Yeah. And actually, when we
17 conducted these studies, we went with the modified
18 ramping rate schedule and certainly our ramp down
19 which was dramatically different from what they've
20 done in the past.

21 MR. EDMONDSON: This is kind of a dovetailing
22 of Study 14 and Study 3. I think it's generally
23 accept that there isn't any doubt in the evidence
24 indicating that steelhead prior to the construction
25 had utilized periodically this creek, Piru Creek

1 periodically, and I believe those observations are
2 tied to dates, as least years. Will Study 3, which
3 is essentially a big part of this due to unimpaired
4 hydrograph -- how long of a record will we have?
5 Is it a 50-year record we're shooting for?
6 Seventy-five-year record? Hundred-year record?
7 Will this be done on monthlies or an annual? And
8 lastly, will there be some type of a procedure
9 analysis that gives us at least a dry-year,
10 wet-year, normal-year prediction?

11 MR. CARPENTER: I think Murray can speak to
12 that.

13 MR. MC EACHRON: Well, the period of record
14 is intermittent. We have good data on Piru Creek.
15 We have it from I think it's something like 1928
16 almost until the present. As you know, we have
17 projects that have been put in the river system that
18 have changed the natural flow, so you have to come
19 up with calculations to actual measure what the
20 natural flows are. How that relates, though, to
21 Piru down through Santa Clara is a little bit
22 tougher too come up with.

23 Is that part of your question, is how
24 it goes through the Santa Clara to Piru Creek?

25 MR. EDMONDSON: Not necessarily. What I'm

1 really striving to understand is, if your work, the
2 team's work for instance, goes back to '28, that's a
3 very nice, good long record -- and it is a
4 simulation. Everybody understands that. I mean I
5 understand that -- but if it was able, for example,
6 that steelhead were observed in 1938 at Blue Point
7 just as a hypothetical illustration, and your
8 simulation indicated that 1938 was in the upper 20
9 percent of your season analysis a very wet year or
10 wet year, I think that's important information to
11 understand in trying to gain a handle on the way
12 this ecosystem functions and may function and
13 dovetail on this project and water operations and
14 whether it's even possible.

15 MR. CARPENTER: I think that we'll try and do
16 exactly what you're asking. We are collecting this
17 kind of information, and it's going to be in
18 different areas, and it shouldn't be that hard to
19 bring it together. But like you said, some
20 information, like anecdotes, might be hard to come
21 across, but they exist. That's true. So I think
22 we'll try to do that.

23 So instream flow study, we're looking
24 to engage the stakeholders to determine how we want
25 to move forward in analyzing and interpreting this

1 data. There's a number of different options, and
2 some of it is based on Study 15 results, which I'll
3 talk about right now, The Aquatic Species Surveys.
4 One of the things that we have not pinned down in
5 our prior meetings, whether they were focus
6 study-group meetings leading to this instream flow
7 study or even when we were doing -- the study plan
8 development was trying to pin down species X per se.
9 You know, which species are we managing for or are
10 we managing for a whole bunch or is there one in
11 particular we get that we don't want to manage for?
12 That hasn't really been decided, and that's going to
13 be a huge common denominator in what kind of an
14 analytical tool as we move forward with this really
15 good data that we have.

16 We pretty much can do anything with it.
17 It's just that we have to start picking and choosing
18 how we want to go down that path because there are a
19 number of complicated steps to get to the right
20 answers. But at the same time, I think that the
21 data we have is going to provide a good insight into
22 where we want to go. But there are resource
23 management directives that are going to have a lot
24 of input in what we choose, I think.

25 Stan?

1 MR. GLOWACKI. Matt, do you know if any of
2 these studies address or investigate changes in the
3 flow regime upstream from the stake Pyramid lakes as
4 a means of making flows more natural below
5 Lake Piru? Did any of these studies address the
6 possibility of changes in the flow regime, changes
7 in water releases from Castaic and Pyramid lakes
8 which are tapped into the state water table?

9 MR. CARPENTER: Right now they're not related
10 to this process. I mean, we have not engaged the
11 state in -- because I think what you're asking --

12 MR. GLOWACKI: Well, I'm just asking has
13 anybody thought of it?

14 MR. CARPENTER: Yes. We actually talked
15 about it in our focus of the meeting that we had
16 November 2002, and I think what we walked away with
17 was, you know, there's two pretty different things
18 going on there, and in order to bring the state into
19 the game might overcomplicate this process right
20 now. But it's a question that was asked, and I
21 don't think we ever really did anything --

22 MR. GLOWACKI: Is there anything preventing
23 changes in water releases upstream and tying that
24 into the whole process in the future? Is the permit
25 going to be so, you know, binding, so like

1 restricting that once it's set there's no way to
2 ever change the flow regime?

3 MR. CARPENTER: I don't think that's ever
4 true, especially if there's other federal
5 interventions.

6 MR. DICKENSON: We did address this during
7 our study development, and the problem we had with
8 not able to convey those considerations is (a) it's
9 not controlled by United water in any fashion, and
10 (b) FERC cannot put license provisions on third
11 parties. The license conditions have to be on the
12 licensee. So we have to consider those existing
13 projects as they are.

14 MR. HOGAN: We could write an article that
15 said if the state releases these waters for certain
16 purposes United Water will have those flows as
17 released, no questions asked.

18 MR. GLOWACKI: That answers my question.

19 MR. PETERS: But in order to address Pyramid
20 directly, the Commission or some party will have to
21 ask for it reopened of that license itself, I
22 believe.

23 MR. HOGAN: That's the hydro part. Is there
24 a water release without the hydro on it at Pyramid?

25 MR. PETERS: I think the they get -- their

1 license provides for a minimum flow from Pyramid
2 down.

3 MR. HOGAN: But they can always increase
4 their --

5 MR. PETERS: Right.

6 MS. COURTNEY: Well, I think Pyramid is in
7 the process of changing their FERC license on their
8 releases so that it mimics natural flows versus
9 having this 5 cfs per release. So that's in process
10 right now.

11 MR. PETERS: Have they filed for an amendment
12 to their license? Or is this something they're
13 doing in-house, trying to decide what to file?

14 MR. CARDENAS: I think it's all been set up.
15 I think all the conditions have already been set. I
16 forget what they are.

17 MR. EDMONDSON: Are they implementing their
18 conditions?

19 MR. CARDENAS: Yeah. I think it's already
20 works, whatever it was.

21 You know when you guys were talking
22 about Pyramid, do you mean just Pyramid into Piru or
23 Pyramid into Piru and also Castaic? Because Castaic
24 was also just mentioned. Who was the one that
25 brought that up?

1 It was you, Stan. So how do you
2 mean -- thinking about running water from Pyramid
3 into Castaic and Castaic out?

4 MR. GLOWACKI: I'm just talking about
5 augmenting flows between Piru using upstream lakes.

6 MR. HOGAN: Because we're not sure where the
7 Pyramid application is at the Commission and we have
8 an ex parte rule, we cannot really discuss the
9 merits of that project. We will definitely look
10 into the record when we get back and find out where
11 it is. But if we can avoid discussing merits of the
12 Pyramid project right now, I'd appreciate it.

13 MR. CARPENTER: So we've conducted a number
14 of aquatic species surveys focusing on fish. And
15 what we -- these surveys have been conducted
16 primarily in lower Piru Creek, and if we take a
17 break eventually here, we'll --

18 MR. HOGAN: We're going to be taking one in
19 15 minutes.

20 MR. CARPENTER: -- people can come and look
21 at what we have in our draft map and they can get a
22 better idea of the kind of information we've got in
23 here. But we had a number of different fish
24 sampling sites, and what we came up with were
25 species that we thought we came up with: partially

1 armored threespine sticklebacks, the arroyo chub,
2 Santa Ana suckers and then a variety of
3 non-California native -- or certainly not this part
4 of California. Santa Ana suckers, I don't even know
5 if it's native to this --

6 MR. CARDENAS: No. It's introduced.

7 MR. CARPENTER: Yeah. It's introduced to
8 this basin, but it's native to the region. And so
9 we have dusky (phonetic) suckers and hybrids of
10 dusky suckers, and Santa Ana suckers, and then we
11 have a bunch of warm-water eastern sharklets
12 (phonetic) and things of that nature. But the
13 habitat in lower Piru Creek is real productive for
14 sticklebacks and chubs and the Santa Ana suckers. I
15 don't have numbers in hand yet -- reduced the data
16 to that point yet, but I can tell you we found a
17 lot.

18 In conjunction with understanding what
19 species we have there, these surveys were conducted
20 the summer before the conservation release. We
21 actually went out after the conservation release as
22 well to see what happened, what was the spread of
23 fish. And I don't have the results, but we still
24 found fish in a lot of the same places that they
25 were already at. I don't know in terms of numbers

1 how that relates. This is not a quantitative study.
2 We were looking at kind of relative abundance. We
3 have strict limitations on how we can sample these
4 habitats right now. We can't do it by kind of the
5 conventional electro-fishing means. We're out there
6 seining cobblely substrains. So we're going to miss
7 a number of species, but I think we have a good idea
8 of what the community structure looks like there.

9 In addition, during the conservation
10 release period, particularly on the ramp down, we
11 spent a lot of time looking at areas for stranding
12 the lower Piru Creek as well as the Santa Clara
13 River, and, as expected, there were a number of
14 locations where there was a lot of stranding and
15 gradation as a result in our local bird populations.
16 They were usually there before we were. And the
17 ability to identify stranding, unless you had a very
18 large group of individuals, was pretty challenging.
19 It was really challenging to know when the habitat
20 might be water and things of that nature, but we did
21 identify a number of sites, and they're also on
22 these maps. At least the Piru Creek ones are. We
23 have a lot of them on the Santa Clara River. But we
24 focused on areas we knew would go dry first, and
25 then moved out from there.

1 MR. CARDENAS: Where did you notice that
2 didn't go dry?

3 MR. CARPENTER: In the Santa Clara?

4 MR. CARDENAS: No, on Piru.

5 MR. CARPENTER: Well, no, none of Piru went
6 dry.

7 MR. CARDENAS: Is that right?

8 MR. CARPENTER: Because we went down to 5.
9 We didn't go down to zero. But there were habitats
10 that temporarily had that flooded, you know, that
11 ramped down. So what we thought, I think -- and we
12 can kind of look at the ramping scale that we have
13 and the degree of stranding that we observed and get
14 an idea how we might want to treat that in the
15 future. I think that the ramping approach we used
16 recently was pretty good. I think it gave us an
17 ample opportunity to do the job. I think the fish
18 that get flushed into the lower river have a lesser
19 chance because the low Santa Clara River has a
20 couple of refuge sites, and otherwise it's dewatered
21 within 10 minutes.

22 MR. CARDENAS: I think for the Department --
23 I'm sorry.

24 MR. HOGAN: Go ahead.

25 MR. CARDENAS: For the Department, I don't

1 think we're concerned, except with the steelhead,
2 with any of the fishery there, except for the
3 exotics, which are a nuisance. But the concern is
4 the frog and the toad. So even though you might not
5 be impacting the fish, you can be really harming.

6 And I don't know if this would be the
7 time right now to ask United when they would
8 anticipate making these scheduled releases for, you
9 know, hydrogeneration and stuff. I think it was
10 September somebody mentioned. Is that right?

11 MR. DICKENSON: You want to rundown normal
12 operations?

13 MR. CARDENAS: Is that all right?

14 MR. HOGAN: Sure. And actually, while you're
15 taking this opportunity, I have a rundown of the
16 conservation flows: how they're used, why they're
17 done.

18 MR. CARDENAS: They're the same question.

19 MR. DICKENSON: Santa Felicia project is a
20 water conservation project, and by that, we mean
21 it's a flood water conservation project. The entire
22 release from the lake is used for the -- appropriate
23 waters that are released from the lake are used for
24 groundwater recharge, and in lieu of groundwater
25 recharge, we're in an overdrafted basin. There are

1 a number of groundwater basins in the valley, and
2 then the Oxnard plain, which is almost solely
3 recharged from Santa Clara River. So our normal
4 operation here is to hold back all flows in excess
5 of 5 cfs over the year, and then, in the early
6 fall -- late summer, early fall -- usually the week
7 after Labor Day -- we ramp flows up to somewhere in
8 the neighborhood of 400 cfs and run it down until
9 our water allotment for that year is gone out of the
10 lake.

11 The hydroplant only generates a portion
12 of those flows. The hydroplant can run up to 100
13 cfs, and we typically release 400 cfs from the
14 reservoir. The reason for that is it was not
15 economical to build generation capacity for 400 cfs
16 for something that's only used maybe five or six
17 weeks a year. Those waters then run down
18 Piru Creek, down the Santa Clara River recharging
19 the basin through infiltration. And each of
20 those -- and Murray McEachron here, our hydrologist,
21 has pretty good data on what last year's release
22 looked like.

23 And what's left of those flows reaches
24 a facility of ours in the lower Santa Clara River
25 called the Treatment Diversion, where they're

1 diverted into refreshing grounds for percolation to
2 recharge the Oxnard plain, which most of you might
3 know is a textbook example of sea water intrusion
4 into the Oxnard plain where you take Groundwater
5 Hydrology 101 and you open up the textbook on sea
6 water intrusion and there's a picture of the Oxnard
7 plain in there.

8 MR. HOGAN: So what's the significance of
9 timing of the flows?

10 MR. DICKENSON: Well, the significance of the
11 timing is that we want to keep the maximum volume of
12 water if we can during the winter storm period which
13 runs through the mid part of April or so. Following
14 that, our recreation season opens up, and it's been
15 the policy of the district for the past 15 years or
16 so anyway to try to keep lake levels high for the
17 recreation season, which then ends on Labor Day.
18 And that's why we start our release and bring the
19 lake down after Labor Day. It provides the optimum
20 water resource conservation function that the
21 product is designed to do, and it also provides the
22 optimum recreation opportunity for the water
23 surface.

24 MR. HOGAN: So is it possible -- let's say
25 recreation was just not an issue. Is it possible

1 to, instead of a water recharge or a recharge
2 service, it would be a flow maintenance of that
3 groundwater table? Could you provide, let's say, 10
4 cfs year round and have it's purpose just to
5 maintain your ground level all year round?

6 MR. DICKENSON: No. And the hydrology stuff
7 that Murray can show us will show you. The resource
8 problems in this area manifest on the coast in terms
9 of sea water intrusion, in terms of overdraft of
10 aquifers and all of that.

11 MR. HOGAN: That's what I mean by
12 maintenance. If what came out was the same as what
13 went in in percolation, wouldn't you be
14 maintaining -- wind up preventing salt water
15 intrusion?

16 MR. DICKENSON: No. Because that water these
17 has to get across these groundwater basins. There's
18 three large groundwater basins between the
19 confluence at Piru Creek and the fore bay of the
20 Oxnard plain aquifers. And these percolations
21 happen -- you know, if we released 10 cfs, it would
22 not get past the five days. We release 400 cfs, and
23 we get --

24 What, Murray?

25 MR. MC EACHRON: It depended on the time, but

1 for two weeks we didn't get any water downstream.

2 MR. HOGAN: Okay. But if those groundwater
3 aquifers were full all of the time, wouldn't that
4 water make it go down?

5 MR. DICKENSON: Yes. But there's a reason
6 they're not full, and that is agriculture and
7 municipalities and individuals pump the water out of
8 these things, and they use that water for human
9 releases. And so 10 cfs won't satisfy the water
10 demand of --

11 MR. HOGAN: I just threw 10 cfs out there.
12 What would satisfy the water demand?

13 MR. EDMONDSON: Isn't there a mechanical
14 solution where you could physically put this water
15 in a pipe to bypass those groundwater recharge unit
16 down to your intended point of diversion unit? And
17 so there may be some alternatives, albeit costly to
18 essentially create an artificial overflow --

19 MR. HOGAN: That doesn't get the benefit to
20 the stream that I was looking for.

21 MR. EDMONDSON: It depends where your pickup
22 point might be. If your pickup point happened to
23 be, for purposes of this illustration, at the
24 confluence of Piru Creek and Santa Clara River, if
25 you had water diverted into this pipeline for

1 purposes of transmitting it through a 10-mile
2 corridor to get it over the top of that giant
3 sucking sound of the groundwater basins and then to
4 get it to United for the purposes of preventing salt
5 water intrusion on the Santa Clara flood plain, it's
6 a creative way to look at it. I'm not advocating
7 that. I'm just --

8 MR. HOGAN: I guess what I'm looking for is a
9 better understanding of how the system works. I
10 didn't read it in the application.

11 MR. DICKENSON: Murray's presentation will
12 get to that.

13 MR. HOGAN: I think I want to take a break.
14 We're on Study 15; is that correct?

15 MR. CARPENTER: Yeah. And I can finish that
16 in one sentence.

17 MR. HOGAN: Let's finish that up, we'll take
18 a break, and we'll we come back and hear Murray's
19 presentation.

20 MR. CARPENTER: We have a couple of more
21 surveys to do and we're going to complete this
22 study. This information will be in summary form
23 used in our upcoming focus study group meaning to
24 look at how to evaluate the instream flow data in
25 addition to how it applies to the aquatic species

1 that we observed. So they're linked.

2 So that's kind of a near-term
3 deliverable, but again, it's going to be summary
4 form.

5 MR. HOGAN: And after Murray's presentation
6 we'll have some time for discussion if there's any
7 issues or concerns that the agencies want to raise
8 regarding the flows before we get into the
9 recreation stuff.

10 MR. CARDENAS: Will I be able to ask one
11 other question that's in the study that maybe we
12 haven't covered?

13 MR. HOGAN: You can ask it now.

14 MR. CARDENAS: I don't know how much time
15 this is going to take, but when we met initially,
16 the Department had agreed that we would do this
17 macroinvertebrate study.

18 MR. CARPENTER: Yeah; it's Study 16.

19 MR. CARDENAS: I had agreed that we would
20 supply perhaps our person to do that and that it
21 would be done for one season, one year. I have
22 since had conversations with one of the people that
23 were key in putting this protocol together, and it
24 can't be done in one season. This is a protocol --
25 this is a study that makes a determination as to the

1 health of the stream. I don't know gauged against
2 what, the health of the stream, based on these -- I
3 don't want to say long term, but they're like
4 two-year, maybe three-year studies, that evaluate
5 the bird-year life in the stream, the change and
6 that. And right now where we are I think is that we
7 just -- with this plan of doing it for one year, and
8 it just won't give any data in one year.

9 MR. HOGAN: It won't give any data at all or
10 any useful data?

11 MR. CARDENAS: No. Because it's the sum of
12 being able to look at several years, so you can't
13 extrapolate from one year what it will look like in
14 two years or three.

15 MR. HOGAN: And how do you use this data to
16 make recommendations for a license?

17 MR. CARDENAS: My understanding is that we
18 have -- with FERC in other parts of the state, it is
19 now very common that they employ this protocol.

20 MR. HOGAN: Well, I understand. But I'm
21 wondering how you use it to make recommendations on
22 a conditional license. Is it used for
23 adaptive-management purposes after a license is
24 issued or are you writing a license condition based
25 on the data collected ahead of time.

1 MR. CARDENAS. No. Some of the folks might
2 have adaptive management concerns. My discussion
3 with our person, Jim Harrington (phonetic) -- I
4 don't know if you know him.

5 MR. HOGAN: No.

6 MR. CARDENAS: -- we have discussed -- when
7 you mention this, you don't know if you're target
8 species, target specific, or you're talking general.
9 I was more general in this idea. I started thinking
10 that maybe -- one of the major concerns that the
11 Department has are the frog and the toad. Now,
12 based on that the critical period -- what we want to
13 do is have flows mimic those conditions and then do
14 the analysis -- the protocol on those natural flow
15 conditions. For steelhead, you would not do that.
16 I don't know what the steelhead folks want to do
17 with that. But for the department, and speaking
18 with Harrington, it seems that what we would want to
19 do is to mimic any condition -- natural
20 conditions -- do the studies several years on that,
21 and active management might be required, but it's
22 not at all on the same scale.

23 Because we're talking about 3 cfs,
24 4 cfs. How much are you going to have to modify
25 that flow to mimic something or to improve the

1 habitat? Not much. So it isn't like you were going
2 to be asking for 200 cfs more releases or anything
3 like that. If there was to be adaptive management,
4 it would be on a very, very small scale.

5 MR. HOGAN: Well, adaptive management just
6 means that we build in monitoring and a plan where
7 after a license is issued there's ongoing study or
8 monitoring. The license can be modified without
9 having to do amendments. The applicant will come in
10 and explain that he's done this monitoring. The
11 agency has looked at the study. This is what we
12 recommend and the agency agreed. And we just say
13 okay. The new article says you're going to do this.

14 MR. CARDENAS: In this case, that is what we
15 would think is necessary.

16 MR. HOGAN: By doing that, we're not holding
17 up a license issuance for ongoing studies. We are
18 looking for the potential need. We've identified
19 that there could be a better way to operate the
20 project.

21 MR. CARDENAS: That's exactly what I would be
22 looking -- that's how I was looking at...

23 MR. HOGAN: All right. Why don't we take a
24 ten-minute break.

25 (Recess.)

1 MR. MC EACHRON: So I was going to show you
2 guys how the conservation release went this last
3 year. I thought it was a pretty good year to study
4 it. We had pretty much an average condition. We
5 had a little bit above average rainfall. The
6 groundwater conditions were right around average, so
7 there's nothing -- you know, it wasn't extreme where
8 we had a high-flow year, and it wasn't an extreme
9 drought either.

10 I'll go over it. Unfortunately my
11 first slide didn't come in when I copied them, but
12 we had 20 inches of rainfall. Average fall is
13 around -- pardon me. Median fall is around 14
14 inches -- that was taken around Santa Paula -- so it
15 was a little bit above average.

16 At the beginning of last year at the
17 end of our release in 2002, we left the lake at
18 27,508 feet of storage. So that's kind of where we
19 started out at the beginning of the water year. We
20 had 13,560 acre feet of natural inflow, and this
21 year was kind of different from most years in that
22 we had a couple different sources of additional
23 water that came into our lake. One is that we did
24 purchase our state water of 3,150 acre feet which we
25 have an option to do every year. It's not always

1 guaranteed to be 3,150 acre feet. It depends on how
2 they're doing up north. And then also what we
3 call -- it was a one-time deal. We had a Castaic
4 transfer of contract water that we had transferred
5 down to our lake, and that was 2,700 acre feet.

6 MR. SCHMIDT: Murray, are you going to post
7 this presentation --

8 MR. MC EACHRON: I can point out something, I
9 think.

10 MR. HOGAN: I think John agreed that he
11 e-mail something to the parties.

12 MR. DICKENSON: I don't remember that, but we
13 can figure something out.

14 MR. MC EACHRON: This is an XP, so if you
15 don't have XP, it doesn't work. But maybe there's
16 something we can do.

17 Right before the release, we ended up
18 with about 48,500 acre feet of storage of water in
19 our lake, and we decided to release down -- a
20 release of a total of 30,600 acre feet, which was
21 going to take us down right to about 20,000 acre
22 feet of storage. That's kind of where we find our
23 minimum pool. If we start taking it below that, we
24 can run into some problems of moving the sand out
25 there in the delta down into our intake, so we left

1 it right at that point.

2 MR. CARDENAS: That's upstream?

3 MR. MC EACHRON: Yeah, that's upstream going
4 down. Exactly.

5 MR. GLOWACKI: When you stated "one-time
6 transfer," what do you mean, "one-time"?

7 MR. MC EACHRON: That was a deal that we had
8 worked out another year where there was extra water.
9 It was 2001. We were filling and spilling at our
10 lake. We offered some of the flood flows that
11 Castaic could beneficially use those waters then.
12 So they took that water and gave it back to us this
13 year. So it was a great deal for us.

14 MR. EDMONDSON: Murray, can you go back to
15 the last slide if possible? Can you go back to 1?

16 For those quantities, the 6768, 1351,
17 3150, et cetera, those are inflows?

18 MR. MC EACHRON: Those are inflows.

19 MR. EDMONDSON: What was the evaporation loss
20 during that period?

21 MR. MC EACHRON: It runs right around 3,000
22 acre feet. And that's the reason why if you add up
23 all those, it doesn't add up.

24 MR. EDMONDSON: Thank you.

25 MR. MC EACHRON: And that water actually I

1 should take out of -- mostly out of the natural
2 inflow. But anyway...

3 Just to give you an idea of the
4 groundwater conditions, this is the groundwater
5 condition in the Piru basin. That's the first basin
6 in our release that comes out of Piru Creek and goes
7 into Piru basin there. Just to give you an idea
8 that it was kind of an average year, this blue line
9 here is about where it was during the release. This
10 line here is on available storage. It's related
11 directly to the groundwater levels in Piru basin.
12 As you can see, throughout the 1950s, it was must
13 lower during a severe drought, 70 in the 1990
14 drought, and then our condition was right about
15 here. So if anything, it was probably a little bit
16 above average groundwater conditions.

17 Same thing for Fillmore basin. Here
18 again the conditions during the release, the blue
19 line, and then the period 1955 to present was there.

20 Okay. The release -- the release went
21 as such here. We started out at 5 cfs. We ramped
22 up over two days. Got up to 400 cfs on the third
23 day. We held up for a few days, and we actually
24 ramped up to 500, back down to 400, and then, after
25 a little over a month, we actually started dropping

1 down to zero habitat. And I'll show you what
2 happens on the way down.

3 MR. CARDENAS: Why do you have to ramp down
4 so quickly?

5 MR. MC EACHRON: I don't know how -- we did
6 this in order to do our instant flow studies. This
7 was something that we laid out in the studies on the
8 ramp down.

9 MR. DICKENSON: We developed this -- Betty
10 was involved. You were contacted. We did these
11 ramp things collaboratively with the stakeholders.
12 That ramp down you say is rapid, but I'm looking at
13 dates there. It looks like it takes about nine days
14 to go from 400 to zero.

15 MR. CARDENAS: It's not rapid compared to the
16 ramp up.

17 MR. GLOWACKI: Can that be changed in the
18 future?

19 MR. DICKENSON: Yeah. We designed that.

20 MR. CARDENAS: The ramp up and ramp down can
21 be remodified?

22 MR. MC EACHRON: Yeah. Sure.

23 MR. HOGAN: What are the probable limitations
24 on that things mechanically?

25 MR. DICKENSON: I can't think of any

1 mechanical ones. I think there are water resources
2 that might be as short as possible that we
3 recognize, you know, as affected, biological
4 communities. You know, we want to minimize those
5 impacts. Whatever works best.

6 You know, we talked about this.
7 Jim Edmondson provided us some studies from Idaho
8 that suggested certain ramping rates, but if you
9 calculate those out on our volume of water and our
10 transfer, you can't get to our flow and back down.
11 We'd be out of water before you ramped up and ramped
12 back down. In other words, that blue area is a
13 fixed amount, and if you stretched it out longer and
14 longer, you know, you could never get up to the 400.

15 MR. EDMONDSON: The valuable thing here if
16 I'm connecting the dots -- and I might not be -- but
17 I believe what we talked about it in the entire
18 process about a year ago with the recognition that
19 the conservation was an opportunity to collect a lot
20 of information and not necessarily to set a
21 permanent, full regime or ramping rate. It's to
22 collect data.

23 MR. MC EACHRON: Correct.

24 MR. EDMONDSON: And for all intents and
25 purposes, it got done, and I think a part of

1 collecting that data, as Matt talked about --
2 alluded to, was observations on some stranding and
3 some possible knowledge and data to discuss perhaps
4 ramping rates in the future.

5 MR. HOGAN: And, John, what was the
6 significance of the 400?

7 MR. DICKENSON: Well, we're going to get into
8 that, because, as we talked about earlier, part of
9 our goal is to balance that resource amongst the
10 folks that paid for it. And this project and most
11 of the activities are paid through the levying of
12 groundwater pump charges. And so we tried to
13 benefit the basins in accordance with their needs
14 and their proportionate share of the resource.

15 MR. HOGAN: So it takes 400 cfs to do that?

16 MR. DICKENSON: It takes 400 to get it down
17 to the coast, as I said earlier, where the water is
18 pumped.

19 MR. MC EACHRON: It's kind of important to
20 remember also that of this release the natural
21 inflow -- we would have actually started pumping
22 down right here at this red line if all we had this
23 year was the natural inflow. So it would have been
24 a fairly short release.

25 Let's take a look at what it did on

1 downstream. Now, during this release, what we do is
2 we go out to different points on down the
3 Santa Clara River and gauge at these different
4 points. This one happens to be at the end of the
5 Piru basin, kind of where the Fillmore Fish Hatchery
6 is down there. And so during the release, we'd be
7 gauging the river, and this is what we got down at
8 that time at the Fillmore Fish Hatchery.

9 So if you notice, we had to wait. We
10 didn't get any water down for a few days. And then
11 we started getting some down. At this point, we
12 realized we weren't getting anything upstream at
13 diversion, so we decided, let's go ahead and kick it
14 up to 500. Maybe water on top of water, we'll start
15 getting more -- we'll start getting something
16 downstream at diversion. That was kind of our goal.

17 Sure enough, it did go up for a little
18 bit. Then actually the water started percolating at
19 a higher rate in the higher basin. It actually
20 started dropping. This was at the end of the
21 500 cfs it was dropping. I thought actually we were
22 going to lose the whole thing when we turned it down
23 to 400, but fortunately a channel started forming in
24 the Piru basin and the efficiency started to pick
25 up, so we started to get water.

1 And then, at this point right here,
2 this is about 30 days after the release started,
3 channel started forming pretty well. We started
4 getting water down past the Piru basin. It started
5 coming across. But still, even at the end of this
6 release, we were getting almost 250 cfs down out of
7 the 400 down to near Fillmore there.

8 MR. GLOWACKI: The additional water, that's
9 the water from Castaic --

10 MR. MC EACHRON: And the state water.

11 MR. GLOWACKI: -- and the state water?

12 MR. MC EACHRON: Yeah. And also additional
13 water that we released from the year before's
14 storage. We went below the release we did the year
15 before, so therefore there was some water left over
16 from years prior.

17 MR. HOGAN: And this was for the purpose of
18 the study?

19 MR. DICKENSON: And our water resources.

20 MR. MC EACHRON: This our water resources,
21 yeah. We would have been doing something very much
22 like this anyway.

23 This is at the next point where I
24 engaged. It's called Willard Road. And basically,
25 what we're looking at here, is how much is going

1 past the Fillmore basin. This is fairly near,
2 actually, Santa Paula Creek, and as you can see, it
3 took quite a few days before we actually started
4 getting any water down to there. We got a big shot,
5 but then all of a sudden is started tipping down
6 again, and then gradually it started working it's
7 way back up again also. We ended up at about
8 150 cfs out of the 400 coming down.

9 MR. CARDENAS: Is this below the mouth of the
10 Santa Paula Creek or above?

11 MR. MC EACHRON: It's upstream of.

12 MR. CARDENAS: (Inaudible).

13 THE REPORTER: I can't hear you.

14 MR. CARDENAS: I'm sorry. I asked him if the
15 discharge out of Santa Paula had any effect on what
16 he was seeing here.

17 MR. MC EACHRON: No. Well, for one thing,
18 what I did here is I did take out base flows. If I
19 am engaging somewhere where there is water right
20 there --

21 MR. CARDENAS: Oh, this is surface water.
22 I'm sorry.

23 MR. MC EACHRON: Yeah, this is surface flow.
24 So I am just looking at the release -- this is just
25 the release water. I take out base flow out of

1 this.

2 And in the case of Willard, there was
3 probably around 15 cfs base flow. Where I was at
4 the fish hatchery, I think it was probably around a
5 half cfs. It was almost down to nothing.

6 MR. CARDENAS: And most of the river is dry.

7 MR. MC EACHRON: Oh, the entire section where
8 I engaged at Fillmore up is dry. And then from
9 about the 23 bridge down to below the Sespe, that
10 was also dry too. Then we did our release. That
11 put more water into the basin. And it actually
12 stayed wet for quite a while after that.

13 And this is what we actually got down
14 upstream of diversion of the release.

15 So looking at it overall, 77 percent of
16 it went into the Piru basin, 90 percent went into
17 Fillmore, and about 14 percent we got down past and
18 into the Freeman diversion.

19 I mentioned when the channels actually
20 started forming we actually started getting more
21 water. This was taken towards the middle -- or
22 towards the end of the release or near the end.
23 This is right at Torrey Ridge right here, and as you
24 can see, there was about a 30-foot-wide channel that
25 the water had to go across. This was a very

1 standing area that percolates a lot of water, and
2 that's the reason why all of our water was just kind
3 of disappearing in the Piru basin.

4 Then about a week later, I went out
5 there and it cut a channel. This is the exact same
6 point, but this water here, then, was four-feet deep
7 and was flowing about eight feet per second and was
8 just hauling right past there. It didn't provide a
9 chance to really percolate into that area as well.
10 Of course, it fanned out further down where we began
11 to lose water, but it helped out a lot.

12 MR. DICKENSON: And that's why you have that
13 rise --

14 MR. MC EACHRON: Yeah. It was at the same
15 time I started getting that same rise. We started
16 getting a lot more water down. It was roughly at
17 the same time that this channel was formed. We were
18 hoping that the 500 cfs might actually start cutting
19 a channel better, but it appeared not to help at
20 all.

21 That's it.

22 MR. GLOWACKI: If you were to cut a channel
23 artificially, how would that affect your regulations
24 range? That's a very interesting question coming
25 from a fishery.

1 MR. DICKENSON: Is someone from the Board
2 here?

3 MR. MC EACHRON: Way back, actually, they
4 used to cut a channel, and it's hard to compare, you
5 know, because we don't have the same conditions.
6 It's really hard to compare it, but I assume that
7 that would help.

8 MR. EDMONDSON: Murray, I don't know if this
9 is for you or for John, so I'll pose the question to
10 both of you. In regards to the groundwater pumping
11 and the fees and the current operations along the
12 basin and the river, would you characterize these as
13 shallow groundwater extraction or deep groundwater
14 extraction?

15 MR. DICKENSON: Deep. Deep. I mean, they
16 are alluvial basin water table basins, and often
17 when we say "deep aquifer out of the Oxnard plain,"
18 we mean aquatic aquifers and they are sitting out
19 there with the woody debris.

20 MR. EDMONDSON: How deep?

21 MR. DICKENSON: On the Oxnard plain? They're
22 maybe down to 1500 feet. Here in the Piru basin,
23 I'd say from maybe 100 feet to 300 feet, something
24 like that.

25 MR. MC EACHRON: The fish hatchery goes

1 deeper; right?

2 MR. EDMONDSON: So in regards to follow up on
3 the Piru basin with 100 to 300 feet, if there's a
4 surface flow and the pumps are turned on, does that
5 affect the surface water?

6 MR. MC EACHRON: No, it really shouldn't.
7 Because we had about 70 feet to the groundwater
8 table, so what happens down here doesn't have a
9 whole lot to do with what you're doing down here and
10 the percolation going down to it.

11 MR. EDMONDSON: So it's not underflow.

12 MR. MC EACHRON: No.

13 MR. DICKENSON: It's saturated groundwater,
14 but long term there is this large effect after years
15 and years of use until demands on the basin
16 ultimately meet supply of the basin.

17 MR. EDMONDSON: Thank you.

18 MR. HOGAN: Do you have any ideas as to what
19 the irrigation demand is maybe on a weekly or
20 monthly basis or irrigation demand in a week?

21 MR. DICKENSON: Yes. We have good numbers on
22 those by basin and by aquifer and total district.

23 MR. HOGAN: Is that something that you can
24 file with the Commission, not necessarily -- maybe
25 for the past 10 years?

1 MR. DICKENSON: I'm trying to think how it
2 relates to the Santa Felicia Dam or Santa Felicia
3 project.

4 MR. HOGAN: Well, it relates to flows.

5 MR. DICKENSON: Well, we'll consider it.
6 We'll think about it.

7 MR. HOGAN: Well, I can write an EAR for it.

8 MR. DICKENSON: We'll put something together
9 for you. I'm trying to -- I'm trying to think about
10 how it relates to Santa Felicia Dam and it's
11 operation because it's being -- this water is being
12 laundered, in effect, through nature, through the
13 groundwater basin. So the demands of the
14 groundwater basin is independent of how we operate
15 the project.

16 MR. HOGAN: I'll tell you why. The project
17 serves a purpose for irrigation or a water supply.
18 There's a certain demand associated with that water.
19 And if I can understand how much water is being
20 utilized, I can understand how the flows that you're
21 releasing and your fall release flow correlate to
22 your irrigation demands.

23 MR. DICKENSON: Maybe a better solution for
24 that is this overall basin, the Santa Clara basin,
25 and these basins going from the dam to the sea are

1 all classically overdrafted, and so the demands
2 exceed the supplies here in the district by
3 approximately 30,000 acres per year. And these are
4 designated by the state of California and other
5 entities, maybe the Bureau of Rec and some others
6 that designate it. The Santa Clara River faces a
7 critical overdraft. So the demand exceeds supply.
8 There's not really a timing relationship between the
9 supply, the volume that's required by the project,
10 and the timing of the use. There's no nexus.

11 MR. HOGAN: So you never fill those
12 groundwater aquifers?

13 MR. DICKENSON: No. Nature does it all.

14 MR. HOGAN: On a typical water year, what
15 percentage of capacity are you recharging those
16 groundwater reservoirs?

17 MR. DICKENSON: It's different for each basin
18 because the Piru basin --

19 MR. HOGAN: I'm not looking for specifics.

20 MR. MC EACHRON: I'll put the Piru basin back
21 on.

22 MR. DICKENSON: Yeah. Put that Piru basin
23 back up, and we'll talk about it for a minute.

24 Piru basin is the closest groundwater
25 basin to the project. Interesting point to note is

1 that -- I'll try to stay where you can hear me.

2 MR. HOGAN: I want to get where I can read
3 it.

4 MR. DICKENSON: The project came on line here
5 in '55. The Piru basin was in a -- one of the
6 reasons the Santa Felicia project happened instead
7 of the Sespe project which was proposed at the time
8 was that the Sespe project would have been no
9 benefit to the Piru basin. The Santa Felicia Dam
10 was built at this time. It didn't fill up until
11 '69, and still, you see here in '67 all of a sudden
12 now -- this represents the point in time in which
13 Santa Felicia starts having affect on the basin, and
14 back here in earlier times -- we have records back
15 even further that Piru basin was seriously depleted.

16 Same is true in Fillmore. You don't
17 see the full benefit of the Santa Felicia project in
18 the basin there, but you can stop by on cold days
19 and see from time to time, it does fill, but
20 typically it's always below that pool filling up.
21 When it's full, it's still only rising water in
22 there. In fact, the rising water level -- I don't
23 know what the elevation is in Piru basin, but, you
24 know, if the walk down the Santa Clara River today
25 and it just rained -- in a normal summer, if you'd

1 walk down the Santa Clara River, you'd walk from
2 here, it's just sand and dry -- depending what time
3 of day it is -- and then it starts getting spongy
4 and water dries up out of the groundwater basin and
5 flows on the surface for maybe a quarter mile.

6 MR. MC EACHRON: Depending.

7 MR. DICKENSON: Depending on how high the
8 groundwater is. And then it percolates down to the
9 Fillmore Basin. And then that basin goes across the
10 dry Sespe to the Santa Clara River bed until you get
11 to the bottom of the Fillmore Basin, and then it
12 happens again.

13 Santa Paula Basin is a little
14 different. There's different geology there. It
15 crosses the fault, and when the water hits the
16 Santa Paula Basin, it tends to ride on the surface.
17 So the Santa Paula Basin is more neither -- it isn't
18 recharged by the Santa Clara River nor does it
19 percolate. It's river release water. So past Santa
20 Paula Creek. It runs straight on down to diversion.

21 MR. MC EACHRON: Also, to add on to that,
22 this graph is an available storage; right? And it's
23 really hard to see because we have 55 years here.
24 The groundwater conditions were right down to here
25 was available storage in Piru basin before the

1 release. The release -- because the we put -- what
2 was it? -- about 20,000 acre feet in the Piru basin.
3 It came up to about here, and this is all based on
4 groundwater elevations.

5 MR. EDMONDSON: So the orange portion or the
6 orange area portion on that histogram represents the
7 calculated amount of surface groundwater over time?

8 MR. MC EACHRON: This is more -- well, it's
9 more looking like a cross section of a lake. This
10 is the available storage. So if you go down to
11 here, it's roughly 50,000 available feet of storage.

12 MR. EDMONDSON: Tell me, is the white
13 available storage or the orange the available
14 storage?

15 MR. DICKENSON: The interface. In this case,
16 this is minus one, minus three. This is full at
17 zero, and now you can stick 20,000 in there to fill
18 it up -- 40,000 in there to fill it up. So at any
19 point here, you need to stick 100 and some thousand
20 in there in order to fill it up.

21 MR. EDMONDSON: So the interface of the white
22 and the orange is essentially the calculated amount
23 of storage in comparison to the amount of water
24 available in this particular basin.

25 MR. DICKENSON: Full feet.

1 MR. GLOWACKI: Full basin being like Piru
2 or --

3 MR. DICKENSON: Yeah, this is Piru, and the
4 other one you showed was the Fillmore Basin.

5 If you looked at the downstream basins,
6 you wouldn't see this nice up and down and sometimes
7 the full thing. Some of the downstream basins just
8 do this. They're down in the Oxnard plain. They're
9 pumping water from 2- and 3- and 400 feet below sea
10 level. And of course, we just turn off the pumps.
11 It goes back to sea level, but what's happening is
12 the ocean is moving it through the aquifer.

13 MR. EDMONDSON: Is there waste water being
14 discharged into the Santa Clara River?

15 MR. DICKENSON: Yes, at three locations. One
16 right out here past the airport in Ventura operates,
17 in Piru, and the city of Fillmore and Santa Paula.

18 MR. SCHMIDT: There's also Valencia down the
19 street.

20 MR. DICKENSON: Yes. That's coming in down
21 the street.

22 MS. COURTNEY: What happens in the future
23 when the potential result of Fillmore and
24 Santa Paula establishing a new treatment plant and
25 not releasing into the Santa Clara River.

1 MR. DICKENSON: Yes. And in those
2 considerations -- that's being discussed, so
3 everybody knows -- the city of Fillmore and the city
4 of Santa Paula have hired a modeler and they're
5 working with our groundwater department to model
6 what that would be. I don't have the answer for
7 you.

8 MR. GLOWACKI: John, you said the water
9 demands exceed the supply on average 30,000 acre
10 feet per year. Where is that occurring?

11 MR. DICKENSON: Well, that's districtwide.

12 MR. GLOWACKI so that's in all three basins
13 combined?

14 MR. DICKENSON: Yes.

15 MR. GLOWACKI: Not necessarily the Oxnard
16 flood plain. That's everywhere?

17 MR. DICKENSON: Not everywhere. But what
18 happened is the problems accrued off coast, because
19 that's interfacing with the ocean. So as those guys
20 pump, the sea water comes in and fuels the aquifer.
21 We have had good luck. During the '90s, we had the
22 wettest decade on record, and we had record
23 recharges from the sea and where the only instance
24 that we found in the record of actually pushing sea
25 water back in the aquifer.

1 MR. GLOWACKI: Can they get their water from
2 anywhere else?

3 MR. DICKENSON: Not in these upper basins.
4 There's not any facilities.

5 MR. GLOWACKI: I'm talking about where the
6 problem is occurring. Can these ag people get the
7 water anywhere else, and let's not even worry about
8 cost.

9 MR. DICKENSON: Yeah. At cost, there's a
10 couple projects on board that go to producing that
11 30,000-acre overdraft. One is the city of Oxnard is
12 currently discharging all their waste water out of
13 Oxnard, and the city of Oxnard is working with
14 United and other projects to treat that waste water
15 and serve it to those ag users. There are some that
16 are just a slam-dunk. There are some that are just
17 a bunch of trout farms that dirty all the pipelines,
18 that deplete the wells, that could just easily be
19 changed over to reclaimed water because who cares.
20 Food crops -- there's a big issue about food crops
21 and reclaimed water and the safety of it.

22 Anyway, the answer is yes. There's
23 other water sources, in fact, from discharges
24 somewhere in the order of 3,000 acres. Of course,
25 they don't want to spend all this money, treat, and

1 it give it away. They want to trade that for
2 additional pumping. The alternative water source
3 down on the aquifer plain, the state water project
4 is through Calleguas Municipal Water District, and
5 it runs something on the order of \$700 per acre
6 foot. Local groundwater costs you somewhere on the
7 order of \$150 an acre foot. So it's a huge leap in
8 cost to go to inverted water. Not to mention in an
9 ecological sense, you know, how much can we really
10 be relying on pumping more water out of the delta
11 for local needs if we have local water resources
12 that we should be using.

13 MR. GLOWACKI? Is anybody worrying about this
14 overdraft?

15 MR. DICKENSON: Oh, yeah. That's what we're
16 here for. That's our whole vision. And that's why,
17 when we go through these things, we seem to be
18 fighting for every drop here for groundwater
19 recharge. That's the reason why, what we are set up
20 to do. That's our mission.

21 MR. GLOWACKI: Can United water set limits?

22 MR. DICKENSON: No. Our legislative
23 authority is limited. We have no ordinance
24 authority at all other than the recreation district.
25 There is an agency on the Oxnard plain that happens

1 to wear that hat. It's called the Fox Canyon
2 Groundwater Management Agency, and there is a very
3 elaborate system of allocations, pumping allocations
4 and very strict penalties for exceeding those
5 allocations.

6 MR. HOGAN: Does United have any conservation
7 incentives to water users?

8 MR. DICKENSON: Well, this Fox Canyon GMA is
9 a very severe conservation incentive. The GMA
10 charges a groundwater extraction fee. Currently
11 it's something like \$3.50 an acre foot. If you
12 exceed your allocation, you pay \$750 an acre foot.
13 But in these upper basins -- Santa Paula Basin has a
14 different groundwater management regulatory act.
15 It's a two-seated agency that tells people how much
16 they can pump.

17 Fillmore and Piru Basins are managed
18 by -- there was a groundwater management act with
19 the state of California called AB 3030 and there's
20 an AB 3030 groundwater management group that manages
21 extractions in the Piru and Fillmore Basin.

22 MR. EDMONDSON: John, just allocation,
23 customer allocation -- just ballpark -- between ag
24 and others?

25 MR. DICKENSON: Ballpark districtwide I think

1 you're talking about maybe 75.

2 MR. HOGAN: If everybody's satisfied, we're
3 going to get back to --

4 MR. SCHMIDT: I just have one more question.
5 When that peaks above zero there, does that mean
6 that there's free-flowing water there in the
7 Santa Clara River?

8 MR. DICKENSON: Yes.

9 MR. MC EACHRON: Yes.

10 MR. HOGAN: Let's try to get back to the
11 study plan. If there's more questions or concerns
12 about how the water is used in the system after we
13 have a final application we will have a scoping
14 documentation. People can raise those issues and
15 concerns at that time.

16 Thank you for that presentation.

17 MR. CARPENTER: We left off actually with
18 Maurice asking a question about what happened to be
19 Study 16, Macroinvertebrate Surveys, and we kind of
20 flushed out how some of the longer term stuff might
21 get blended into an adaptive management approach or
22 condition or something like that. What we're
23 looking to do, though, we are looking to go out and
24 identify community structure, you know, even if it
25 is a snapshot, because invertebrate surveys are

1 meant to be an indicator of how -- and of course
2 many years of data, no matter what kind of organism
3 you're trying to tract is better than one, but one
4 gives you an idea. And a lot of that has to do with
5 tolerances of those macroinvertebrate species, what
6 they can tolerate water qualitywise, sediment size,
7 things like that. So I think we're still looking to
8 get that snapshot, at least in the area below the
9 dam.

10 MR. HOGAN: Traditionally, if you're looking
11 at adaptive management and there is operational
12 changes -- you should see what's there now, their
13 current conditions -- and then you modify current
14 operations and see what it's doing to the
15 macrovertebrae population. You make comparisons.

16 MR. CARPENTER: Right. And this is another
17 study that has geographic implications. There's
18 variant land uses in the area, and, you know,
19 there's a very small opportunity area to look at the
20 result of the lake -- not the results of the lake --
21 the lake's affect on the invertebrate community
22 without other larger scale land use activities
23 interacting with it.

24 For instance, further downstream on
25 Piru Creek, there's a lot of land-use activities

1 that have nothing to do with the project per se. So
2 I think what we're looking at is looking at the
3 reach that's on United property of being indicative
4 of having a relationship with the releases and the
5 operation of the dam.

6 MR. CARDENAS: But I would guess that there
7 weren't -- you know, I don't know the protocol. I
8 haven't gone out. But I would suspect that there
9 are some changes that occur year after year that
10 can't be determined in one year. I'm not going to
11 try to think about it real quick.

12 MR. CARPENTER: Yeah. In a regulated system
13 like this one, you have a better opportunity to
14 see -- you're more likely to see the same community
15 patterns under a regulated scenario.

16 MR. CARDENAS: That would be the obvious to
17 see how consistent any factor is or any measurement
18 is or whether it's not consistent over a period of
19 time. But there is a longevity that's needed.
20 There is a time line that's needed to actually be
21 able to tract this.

22 MR. CARPENTER: Right. And that's what makes
23 adaptive management helpful.

24 MR. CARDENAS: The thing that it seems to me
25 you're saying is you would like to have it done in

1 one year.

2 MR. CARPENTER: No. I'm just saying we need
3 to have that snapshot. We need to establish a
4 baseline. I mean, it's just like with the fish. We
5 can do that, too, for years and years and years.
6 But we need to establish a baseline at some point so
7 that as we move forward we know where we were at one
8 point, and right now there isn't anybody in the room
9 who knows where we are community structurewise.

10 MR. CARDENAS: Right. But that baseline I
11 would guess would be to begin the implementation of
12 the study, rather than doing something different,
13 then coming in and employing --

14 MR. HOGAN: You're proposing to do the study.

15 MR. CARDENAS: You are?

16 MR. CARPENTER: Yeah. We're going to do
17 this, and it's likely that we will submit an
18 application that doesn't have three years of data
19 because we haven't begun collecting the data.
20 However, if we can build that future monitoring into
21 the license or extend it into the license, then as
22 long as it has that --

23 MR. HOGAN: You're proposing to do the
24 forestry right now and continue to --

25 MR. CARPENTER: Yeah. And go from there if

1 that's what's necessary.

2 MR. HOGAN: Their proposal in the application
3 can be modified.

4 MR. CARPENTER: Correct. So there's the
5 potential there for that, and that's why we need to
6 do that first, so we can establish what the next
7 step is. The first thing we need to do is find out
8 what is there and whether there are indicators of
9 distress and things like that and establish that
10 baseline so we can make decisions and move forward.

11 Study 17 is Lake Piru Game Fish Survey,
12 and what we're doing here is doing a couple of
13 different things. We're looking at existing records
14 from Department of Fish and Game, recreation area
15 management at the lake, and the U.S. Forest Service
16 related to population information that they have at
17 Piru Creek above the lake because there's likely to
18 be an aclusial (phonetic) fish connection between
19 Lake Piru and Piru Creek up through Pyramid.

20 So we're going to be looking at the
21 primary species. The management species in
22 Lake Piru is a large amount of bass. So we're going
23 to be looking at spawning habitat, rearing habitat,
24 things like that within lake. A lot of that is
25 going to be based on anecdotal information. I mean

1 that's how we're going to get with a lot of folks
2 that regularly use the lake and rather than go with
3 a needle-and-haystack approach, we're going to have
4 people that fish there often lead us to areas at
5 that we should focus on. But bottom line is we're
6 going to establish where is, the spawning habitat,
7 you know, kind of the critical habitat for bass
8 management species.

9 But we're also going to take a look at
10 Piru Creek above the lake to see if there's trout
11 spawning and if there is some sort of alluvial
12 bit -- so we're just going to really look for redds.
13 We're not tagging any fish or trapping or anything
14 like that. We're just going to do kind of a passive
15 survey for trout redds.

16 And then we're also going to examine
17 reservoir stocking information. We're trying to
18 establish a connection with Department of Fish and
19 Game to extract that information that has been
20 collected in the past. There's a lot of information
21 which is really difficult to get your arms around
22 where it is, and so we're continuing on that pathway
23 to get information from the Department and from
24 Forest Service so that we can synthesize it and draw
25 some sort of connection to the game fish resource at

1 Lake Piru.

2 So we're looking at some field surveys
3 later this spring, and it's likely to take us
4 through the summer to get the data necessary from
5 the resources that we've identified.

6 Okay. Study 18 is Existing Recreation
7 Use Survey. This was, I think, our first big effort
8 of 2003. We started in the mid to late spring with
9 the Memorial Day holiday period. Our efforts were
10 focused on the Lake Piru recreation area, so we
11 approached that survey in 3 ways. One was we
12 developed a questionnaire survey to be handed out to
13 every vehicle -- you know, every set of visitors
14 that came through the gate at United over the course
15 of what we would call the "peak-use period." So
16 that would be May through October. And in this
17 case, that was handed out in bilingual form, and we
18 just encouraged people to get those filled out, hand
19 them in, and we had a fairly poor return rate. But
20 we got enough to achieve the statistical power that
21 we needed according to my recreation planning folks.

22 We also conducted surveys of -- surveys
23 of -- observation surveys of use of various kinds,
24 whether it's boating on the lake or picnicking,
25 beach-going, all those different -- fishing. We had

1 11 stations along the road that we toured yesterday
2 that is acceptable to the public along the lake
3 shore, and at regular intervals we basically tallied
4 the various categories of use. And that was
5 conducted between -- that wasn't an everyday thing.
6 I think we were doing --

7 MR. DICKENSON: You said regular intervals.
8 It was actually on design random intervals: so many
9 random weekdays, so many random weekend days.

10 MR. CARPENTER: Yeah. We had established it
11 when we did the study-plan development. That was
12 the direction we got from Park Service. And so
13 we've collected that information.

14 And then we also did some active survey
15 work where, because we were getting some poor
16 returns on the questionnaire where we interfaced
17 with folks bilingually, we still did the English and
18 Spanish thing and tried to kind of enhance our
19 return on some of these things by actively seeking
20 folks out. And we primarily did that on weekends
21 because we knew we would get more bang for our buck.
22 You can spend a weekday out here, even during the
23 summer, and it can be a little slow.

24 So we ended up getting something like
25 300 questionnaires returned over the period. And so

1 right now we have a lot of information, and we're
2 actually developing a database to put that
3 information into and then start being able to do
4 some analysis with it. But the questionnaire data
5 that we ended up drawing from this kind of survey is
6 pretty -- it's not easily reduced. So the
7 recreation planning folks that we have working on
8 this have to really think about how they're going to
9 set up that database so that it's functional for
10 statistical analyses and things like that as we move
11 forward. So that's kind of an ongoing process, and
12 it's likely to be completed sometime mid summer of
13 2004.

14 MR. HOGAN: So this potentially could make it
15 into one of the reports before September --

16 MR. CARPENTER: It's possible.

17 MR. HOGAN: -- but otherwise it will be in
18 September.

19 MR. CARPENTER: It's possible. Yeah. Once
20 we start really reducing the data and seeing what we
21 can do with it, I mean, we might be able to give out
22 some raw data and be able to say, "You know, this is
23 what we wanted from this process." I mean, that was
24 one of the steps that we had identified in that the
25 study-plan process. It's just making sure did we

1 get the information that we wanted. You know, did
2 we miss the opportunity or did the opportunity miss
3 us, and right now we're thinking that the
4 opportunity missed us, that we went out and did what
5 we could and the opportunities just weren't all that
6 good, but we could be there. I guess we'll let you
7 know in the next quarterly report whether to expect
8 something like that.

9 Study 19 is this Regional Rec
10 Assessment, and it looks at similar recreational
11 opportunities in this geographic area, you know, the
12 greater Los Angeles and Southern Central Coast area.
13 And this is like one of those studies that's kind of
14 independent. It's the kind of thing that we can do
15 with some maps and things like that, and we just
16 have not initiated anything on the study. But we
17 don't foresee it challenging to complete the study
18 because the information is already in hand. So as
19 the opportunity comes up for us to complete the
20 study, we will get it in. We're not anticipating
21 it's going to be a very long effort. It's just a
22 matter of when we actually start in earnest on it.

23 Study 20 is a Rec Facility Condition
24 Inventory. A lot of this information is already
25 included in United's Lake Piru rec area -- their

1 recreation plan, but we're going to essentially
2 update that plan, or the information in it, by you
3 know doing an ADA, American Disabilities Act survey
4 of all the facilities. We think we already know
5 what's going on there, but we have to broaden the
6 scope a little bit to make sure we fully cover all
7 the facilities there.

8 MS. CARTER: Is there a regular maintenance
9 schedule for the recreation areas?

10 MR. DICKENSON: Uh-huh.

11 MS. CARTER: And will be that be looked at
12 any further in the complete Commission report?

13 MR. DICKENSON: That's a good place for it.

14 MR. CARPENTER: Yeah, that's a good place for
15 it. I agree. We have a rec plan, and the rec plan
16 outlines all that stuff, and that's going to really
17 be the backbone of this. So we'll get it in there.

18 MR. DICKENSON: Just so everybody knows, our
19 existing license allows for us to have a recreation
20 program up there in Lake Piru but does not mandate
21 it in any fashion. So there's been no FERC
22 involvement in our recreation facilities other than
23 when we fill out the survey forms and we hand it to
24 them and so forth. But there is no real FERC
25 connection to the recreation.

1 MR. HOGAN: How is it that you're going about
2 motivating yourself to do a recreation program?

3 MR. DICKENSON: You know it is a slight --
4 originally the recreation program was set up by our
5 board of directors to be fully self-funded. So the
6 gate-house fees paid for the maintenance of all the
7 facilities. Most of the major capital facilities
8 out there were constructed under grants from either
9 the Department of California Boating and Waterway or
10 other entities that had some sort of grants
11 available. Our rec manager is a master at applying
12 for rec grants. He's been really successful over
13 the last 20 years or so of getting things in up
14 there.

15 So up until the last few years the
16 thing was all self-supporting. Costs of running the
17 system have since exceeded that, and now the general
18 fund of the district is floating the rec program up
19 to about 200,000 a year. The Board wasn't keen on
20 doing that, but, you know, we're primarily a
21 groundwater recharge entity, but if there are
22 auxiliary things that are good for the public, we
23 might as well participate in them.

24 MR. HOGAN: Are you considering increases in
25 fees or anything of that nature to offset some of

1 the costs?

2 MR. DICKENSON: It could be. If the
3 operating costs keep increasing through the
4 regulatory arm of the park's funding, we might have
5 to. We're in a tough spot, because the state park
6 system is still heavily -- but was even further more
7 heavily subsidized by general fund tax money from
8 the state for many years. So when you're in
9 competition with something that gets to raise income
10 tax on everybody, it makes for tough competition,
11 you know.

12 MR. CARPENTER: Okay. I'm going to go ahead
13 and move forward to Study 21, which was Whitewater
14 Boating Assessment. This was a study that was
15 developed and coordinate -- we developed it in
16 coordination with stakeholders in November 2002, and
17 we actually revisited how we were actually going to
18 implement this with -- we had initially laid it out
19 that American Whitewater would help us coordinate
20 this activity. So we got together with them prior
21 to our conservation release in the fall because that
22 was the study period for whitewater boating
23 opportunities. And we came up with a two-control
24 flow approach at 400 and 200 cfs. American
25 whitewater and Sierra Club River Touring Section

1 locally here came up with -- I think it was an
2 abbreviated list.

3 Right, Chris?

4 We had about 22 or 23 participants on
5 the first event

6 MR. SCHMIDT: Yeah, 22 on the first one.

7 MR. CARPENTER: There was a huge amount of
8 interest, and I think we had 18 or 19 the second
9 time. And we did those on consecutive weekends. We
10 tried to mandate that we had the same folks running
11 the creek, but it was an all-day endeavor two days
12 in October, and we did what we said we were going to
13 do in terms of video documentation. We used a
14 standardized questionnaire. We had an open Q-and-A
15 period after each run.

16 I think what we did find was that under
17 400 cfs it was kind of a high-flow thing. And it
18 was kind of fast, but you could take it all the way
19 down to the Santa Clara River. Under 200 cfs, they
20 seemed -- it might have been a little bit more fun,
21 but you'd have to pull out probably before going all
22 the way to the Santa Clara River. But overall, it
23 sounded like everybody had a -- you know, it was an
24 enjoyable experience, and we had people who were
25 generally interested in giving us constructive

1 input. So I feel it went fairly well.

2 Right now we're going through our video
3 documentation. And we're kind of using an intern
4 project at one of the local film institutes to
5 produce this video, and so it's taking us some time
6 to get through that process. So over the course of
7 the next probably three or four months, we'll see
8 that video come into play, and we'll probably have
9 data to start working with. And I guess I would
10 anticipate sometime during the summer having some
11 sort of deliverable for interested parties.

12 MR. PETERS: Kris, would you mind saying your
13 name for the court reporter.

14 MR. SCHMIDT: Kris Schmidt from the
15 River Touring Section of the Sierra Club.

16 MR. PETERS: Thank you.

17 MR. CARPENTER: Study 22, Non-Boating Flow
18 Assessment, and this was something that focused a
19 lot of angling opportunities. We came up with a
20 free-flow approach to look at lower flow conditions.
21 Higher flow conditions didn't seem to be in the
22 cards for -- I actually coordinated a bit here with
23 Jim Edmondson from Cal Trout, and he actually turned
24 me loose on some local entities, Sespe and Matilija
25 Fly Fishers, and ultimately we came up with a survey

1 form that's been applied on a number of other FERC
2 projects in California and back East. And we
3 recruited some local volunteers. Had three
4 locations on Piru Creek where we actually went out
5 and we were -- they were -- you know, they were
6 trying to mimic their angling opportunity.

7 I guess most of the participants
8 weren't interested in staying there all day and
9 seeing how many fish they would catch, so they
10 really paid attention to what we had on the survey
11 form. Looked at things like castability. You know,
12 Is there opportunity to catch? Is the creek
13 weightable? What's the surface velocity like for
14 the type of fishing that you're doing? And all that
15 stuff was related to level of experience and things
16 like that, real similar to the approach we used with
17 the whitewater survey, you know, based on skill and
18 desired outcome. How does this feel to you?

19 And that study actually is -- we have a
20 lot of data. We have one more opportunity we have
21 to take to go do a base-flow survey. We got kind of
22 pushed out by the fires in November, so we're
23 heading out to do that hopefully in the next month.
24 Right now I think we're looking at reducing the data
25 and getting that study wrapped up in mid summer of

1 2004.

2 2

3 MR. SCHMIDT: Do you have any idea at this
4 point what the approximate flows are that are
5 optimum for fishing?

6 MR. CARPENTER: For fishing? I have no idea.
7 They're lower for sure. We used 50 as our peak and
8 50 was a little much. So 25 and 10 seem to be a
9 little bit better. So that's just kind of off the
10 top of my head.

11 Study 23, Land Management Review.

12 Just to take a step back to Study 22,
13 this is a misrepresentation. There is no video
14 documentation for the non-boating flow study, not
15 for any particular reason. It's just a typo.

16 Study 23 is a Land Management Review.
17 It's a table-top exercise looking at existing plans,
18 policies, and regs, and their consistency with
19 concurrent operations -- current and future
20 operations -- just to kind of layout what the
21 regulatory framework is for the project area.

22 MR. PETERS: John, I have a couple of
23 questions here. Are there currently plans to expand
24 the marina, existing marina?

25 MR. CARPENTER: John can answer that

1 question.

2 MR. DICKENSON: There's a desire to do so.
3 As I mentioned, our cost stuff at the park exceeds
4 the available resources. We had a master plan for
5 enhancing the park about five years ago -- four or
6 five years ago -- and we had an architect design
7 things. And this will tie into this study as well
8 as visual resources and some other things. There's
9 a Lake Piru Recreation Master Plan that was alluded
10 to earlier, and that was adopted by our board of
11 directors and we have a, CUP, conditional use permit
12 from the county of Ventura.

13 The park operates under a land-use
14 permit from the county of Ventura. The water
15 facilities under the state of California are exempt
16 from land-use control -- land planning, or zoning
17 issues. In that park, there's an increased marina.
18 There's a proposed potential floating pool, general
19 store, clubhouse complex, and then enhanced RV sites
20 for that park. And right now we're in the process
21 of -- because the district is not interested in
22 funding it, we're in the process of trying to
23 negotiate with concessioner to try to do that
24 development in exchange for some long-term lease for
25 those parklands. And those negotiations have been

1 going on for some months, and I'm not sure of the
2 fruition of them.

3 MR. PETERS: Would that also encompass the
4 size of the vessels that would be allowed to use the
5 reservoir?

6 MR. DICKENSON: Well, I think some of that is
7 addressed up in the whitewater boating section if
8 you're taking the smaller vessels on the reservoir.
9 In terms of larger vessels on the reservoir, I don't
10 know that we have a limit on size in our ordinance.
11 I'd have to look it up.

12 MR. PETERS: Would that address whether the
13 larger vessels would be allowed to discharge to the
14 reservoir or whether they have to have on-land
15 offloading of waste and so forth?

16 MR. DICKENSON: Oh, yeah. Sure. We
17 absolutely will without a doubt. We have -- out
18 there on the reservoir there are floating restrooms
19 that are common in lakes in California. They say
20 the SS release, and you can dock right up on them
21 and use the facilities without going to shore and
22 driving a long way. So there are a couple or three
23 of them on the lake.

24 MS. HOLSOPPLE: I wondered what those were.

25 MR. DICKENSON: Yeah. Those are boaters

1 restrooms.

2 MR. CARDENAS: John, do you guys have
3 full-body contact.

4 MR. DICKENSON: Yes.

5 MR. HOGAN: I missed the question.

6 MR. CARDENAS: If they're allowed full-body
7 contact.

8 MR. PETERS: What does that mean?

9 MR. CARDENAS: A lot of the reservoirs in
10 California don't allow body contact at all so that
11 will limit the size of boats.

12 MR. EDMONDSON: It's a state law dealing with
13 what they call internal reservoirs for those
14 reservoirs that are directly tied to municipal water
15 supplies for full-body contact, a lawyer term for
16 getting in the water.

17 MR. PETERS: Sounds like WWF Wrestling.

18 MR. EDMONDSON: That's on the other side of
19 the SS reservoir for you folks not from town.

20 But it's fairly -- for Santa Clara and
21 the lake, it's not completely unique, but it is a
22 little unusual. Most of the our reservoirs in
23 Southern California preclude full-body contact.

24 MR. DICKENSON: For sanitary reasons.

25 MR. PETERS: Right.

1 MR. CARPENTER: Okay. Study 24 is Land
2 Management Inventory using GIS outlining various
3 land-use zoning attributes and natural and sensitive
4 resources in the project area. This is an exercise
5 that is kind of ongoing. We have a number of other
6 GIS tasks going on, so this one has actually been
7 slated more toward the summer of 2004 period to
8 facilitate getting some of this other GIS work done
9 that we are doing related to the field survey work.

10 Visual resources study. Right now
11 we're looking to conduct that study in either this
12 spring or in the early summer of 2004. And it's
13 likely at that we'll only be able to incorporate the
14 results -- we might be able to summarize them, but
15 again, this might be one of those studies that
16 occurs late enough that it ends up being directly
17 entered into the Exhibit E.

18 Yeah?

19 MS. CARTER: Are you going to be looking at
20 the trash pile by the power house in that study?

21 MR. CARPENTER: The trash pile?

22 MS. CARTER: The bone yard.

23 MR. CARPENTER: Oh, the bone yard. Well, I
24 suppose we will. We're looking primarily at various
25 sensitive receptor sites, and that falls kind of in

1 a weird area because it's relatively inaccessible to
2 most of the view shed. So I think most of the focus
3 is going to be relatively lake-oriented, but we can
4 kind of make a note to look for that kind of thing
5 as well.

6 MR. HOGAN: You can address it the way that
7 you just did.

8 MR. CARPENTER: Yeah.

9 Study 26, 27, both of these studies
10 involve historic or cultural resources. The
11 original application addressed much of this, and I
12 think we're just looking to do an update.

13 Is that right, John?

14 MR. DICKENSON: Yeah. The original
15 application had detail of cultural resources,
16 inventory and assessments in them. We inadvertently
17 included some stuff in the initial application that
18 should not have been included in the original
19 application. So we're going to have our cultural
20 resource person modify those documents so they can
21 be included in the final application.

22 MR. HOGAN: You can also just file them
23 separately as confidential documents.

24 MR. DICKENSON: Okay.

25 MR. HOGAN: So we won't put them on the

1 Internet and publicize them to the world.

2 MR. DICKENSON: Probably what we'll do is do
3 both them.

4 MR. HOGAN: Typically what they do is
5 separate the documents marked "Confidential," and
6 we'll just keep them off the Internet. However you
7 want.

8 MR. DICKENSON: We'll probably do it both
9 ways so that we can have a cultural resource -- the
10 study is done included in our Exhibit E. So there
11 will be some documents attached to our Exhibit E.
12 That original report can go as promised.

13 MR. CARPENTER: Study 28 follows a similar
14 track but it's a Project Historic Study and
15 Evaluation, really just looking at the Santa Felicia
16 project and whether there are features of it that
17 qualify as having an historic quality or other
18 elements that are, I guess, within the area of
19 influence of the project. That's something that
20 United is working on in-house.

21 Study 29 is a --

22 MS. HOLSOPPLE: May I interrupt and ask a
23 question?

24 MR. CARPENTER: Yes. Sure you can.

25 MS. HOLSOPPLE: You had mentioned yesterday

1 in the site visits that you were in contact with a
2 native American, and he was going to help you with
3 some studies. Did I understand that correctly, your
4 consultation? Is he going to like help to identify
5 any other possible Indian-sensitive sites that might
6 have been there in the past?

7 MR. DICKENSON: I don't know what he was
8 going to do. What I was going to do with that
9 consultation is just have a full-day meeting with
10 him and do the tour pretty much like we did, have
11 him look at our cultural resources study and visit
12 some of those sites, and just get his feedback on
13 how he'd like us to proceed.

14 MR. HOGAN: Is he associated with any
15 particular tribe?

16 MR. DICKENSON: Yes. He's associated with
17 the Chumash, but he's partially Tavatiam from
18 San Fernando Mission, which is the tribe from
19 that -- it was the Piru Indians from Piru.

20 MS. HOLSOPPLE: The reason that I asked that
21 is because I forgot to mention that I'm doing to the
22 cultural resources in case you're wondering who is
23 the field person is for that. So I'm also do that
24 resource. You can add that to your knowledge.

25 MR. PETERS: Would you mind spelling the

1 names of those two tribes for the court reporter.

2 MR. DICKENSON: Yes. I'll have to write
3 them. Chumash is C-h-u-m-a-s-h, and Tavatiam is
4 T-a-v-a-t-i-a-m.

5 MR. PETERS: Thank you.

6 MR. CARPENTER: Okay. Study 29 is a little
7 bit of a catchall study that we identified back in
8 November of 2002: Project Engineering/Operations
9 Challenges and Opportunities. And it's the kind of
10 study -- kind of a forum that allows us to kind of
11 look at the facilities and the operations and
12 exchange ideas. And United's kind of a -- they're
13 taking the lead on facilitating that.

14 MR. DICKENSON: Right. We were asked in our
15 initial consultation and also during the study-plan
16 development to address issues of physical features
17 that could be used as mitigations and so forth.
18 These included fish-passage facilities. We were
19 asked about decommissioning the project and some of
20 these more physical programs that might fall out of
21 this, to address those and have some sort of
22 write-up that's included in the application, and
23 that was -- this was supposed to include all of
24 those.

25 We have some issues of piping through

1 the dam. We discussed yesterday in our tour the
2 fixed point of outlet at the bottom, and this study
3 is to incorporate some rough engineering solutions
4 to those challenges and what those costs and what
5 other problems or challenges might ensue as a result
6 of those solutions would be detailed in that.

7 MR. PETERS: When we were there yesterday, I
8 saw a sign on a power house called "Heli Spot
9 Water." Is that for fire prevention?

10 MR. DICKENSON: Fire. Forest Service and
11 county fire and CDF, California Department of
12 Forestry Fire, both use that flat area below the dam
13 as a helipad during wild fires. They run water off
14 the dam for combating fires. It's a condition also
15 of our original license that we provide water for
16 fighting fires.

17 MR. HOGAN: All right. We have just a little
18 bit after 12:00. I want to get your opinion. We
19 can take a break, go to lunch, and come back. And
20 what I'd like to hear after lunch -- or continue on
21 now -- would be the agency's perspective on any of
22 the studies, if things are going according to plan,
23 how you think United's been performing according to
24 the agreement everybody has laid out today in this
25 modified process we've laid out, and I just want to

1 get your overall feeling of where we are.

2 So if you have significant issues you
3 want to discuss, we'll take a lunch break. If you
4 guys are pretty quick as far as your topics, we can
5 sit through and leave after your done. I'll leave
6 it up to the room. What you guys want to do?

7 MS. COURTNEY: I think we should just finish.

8 MR. HOGAN: Okay. Anybody else?

9 MR. DELLITH: I agree.

10 MS. HOLSOPPLE: Is there anybody who is not
11 in favor of continuing right now?

12 (No audible response.)

13 MR. HOGAN: All right. Do you want to take a
14 short break?

15 MR. GLOWACKI: Can we take a short break?

16 MR. HOGAN: We can do that. Short break. A
17 quarter after.

18 (Recess.)

19 MR. HOGAN: I'd like to take this opportunity
20 to have the agency respond to the presentation that
21 we've heard today as far as ongoing studies in
22 progress, how they're being conducted, and what
23 their overall feelings are.

24 MS. COURTNEY: I guess first I would ask if
25 you could sort of explain what the rest of the

1 process is going to be for all of us.

2 MR. HOGAN: Okay. Right now we're entering
3 into the second year of studies. United is required
4 to file a modified Exhibit E or a new Exhibit E to
5 their application by December 31, 2004. At that
6 time, we will review, as Commission staff, the
7 adequacy of that application and make a
8 determination as to whether we're going to accept
9 the application or whether it's still deficient.

10 Upon acceptance of the application, we
11 will then initiate our legal process, which will
12 include scoping of issues. Right now we're leaning
13 toward -- since we've done site assessment
14 yesterday, we're leaning toward paper scoping rather
15 than having another meeting up here. Basically if
16 we're going to do a paper scoping it means we get a
17 scoping document, and everybody will be provided an
18 opportunity to write comments or raise new issues
19 and so forth.

20 Based on those comments, we can either
21 proceed with an REA, which is Ready for
22 Environmental Analysis, or if there's something that
23 really needs to be done or addressed we can write
24 another addition informational request, wait for
25 that information, and then issue an REA.

1 And then we will proceed with our NEPA
2 document, Issue a Draft and File, and then
3 eventually the Commissioner will make a decision in
4 the form of an order for a new license or denial, I
5 guess.

6 Does that answer your question?

7 MS. COURTNEY: Okay.

8 MR. HOGAN: So this isn't your last
9 opportunity to voice an opinion.

10 MS. COURTNEY: Right. I just wanted to
11 figure out exactly where we were and how much was
12 left.

13 MR. HOGAN: And it's common practice for us,
14 in the acceptance letter we will issue a schedule on
15 how we proceed.

16 So would anything like to provide input
17 as to how they feel this process as it is now is
18 going?

19 MR. CARDENAS: I don't know because there
20 hasn't been much contact as far as my experience
21 with this goes.

22 MR. HOGAN: So you'd like to see more --

23 MR. CARDENAS: Yes. I'd like to see where
24 things are and have a chance to maybe have input, if
25 possible.

1 MR. HOGAN: That kind of brings me up to a
2 good point. In our deficiency letter, we issued
3 back in --

4 When did we issue that letter, John?
5 I've got it in the file someplace.

6 MR. DICKENSON: I believe it was February.

7 MR. HOGAN: February '02?

8 MR. DICKENSON: I believe so.

9 MR. HOGAN: In that letter, we did require
10 United to provide quarterly reports to the
11 Commission and all parties on the progress for
12 exactly the reason that you're claiming you feel
13 like you're out of touch. United hasn't been -- as
14 far as we know, has not been diligent in providing
15 those quarterly reports. We have two that have been
16 filed.

17 MR. DICKENSON: Right. There was one due in
18 the middle part of December.

19 MR. HOGAN: Which has no one been filed, and
20 would have been the third one. And then the next
21 one would have been for the period through December
22 to February. So that's coming up.

23 MR. DICKENSON: Okay.

24 MR. HOGAN: I would like to use this meeting
25 in lieu of the February one, but knowing that you've

1 already missed one. We know where we're at right
2 now.

3 MR. DICKENSON: I wanted to ask you at some
4 point whether I can file this.

5 MR. HOGAN: Could you file this with your
6 transcripts?

7 THE REPORTER: Are you marking this as an
8 exhibit?

9 MR. HOGAN: Yeah.

10 THE REPORTER: What exhibit number?

11 MR. HOGAN: A.

12 (Exhibit A was marked for
13 identification and is annexed hereto.)

14 MR. HOGAN: So it's very important that
15 United become diligent in submitting those reports
16 given this process that we're in, this modified
17 process that we're in. So we'll ignore the fact
18 that we didn't get one for December. This meeting
19 will constitute February's, and three months from
20 the end of February, we should have another one.

21 MR. DICKENSON: Very good.

22 MR. HOGAN: And that will help the agencies
23 stay on track with the program. It will help FERC
24 stay on track with what's going on. And when those
25 drafts are available, it should give us enough time

1 to review them by September.

2 Do you think it would be beneficial if
3 you had more face-to-face time?

4 MR. CARDENAS: I'd like to have face-to-face
5 time. I'd like to have a chance at that
6 face-to-face time to review the data, raw data if
7 it's there. I don't care. I can draw some
8 conclusions from our data too.

9 MR. HOGAN: What I would recommend is that
10 those work-group meetings that you're planning on
11 putting together, if an agency says, "Yeah, we would
12 benefit from having a copy of the raw data," I don't
13 necessarily need to see that as pushing that one
14 thing to be filed, but I would recommend filing it
15 with any entity who is requesting it.

16 MR. CARPENTER: Okay.

17 MR. HOGAN: Does that sound fair?

18 MR. CARPENTER: That sounds fair.

19 MR. CARDENAS: That sounds good.

20 MR. CARPENTER: Actually, for us, as data
21 becomes available, whether it's reduced data -- in
22 that form -- that's a big step for us. It costs a
23 lot of money to reduce data. There's a lot of --

24 MR. HOGAN: I'm not expecting you to, you
25 know, change your schedules of producing stuff. I

1 can take your data sheets. That's fine with me. It
2 doesn't cost a lot to photocopy data sheets. So
3 it's something for your work group to decide, what
4 kind of product you can get and what the agency will
5 expect. I don't want to micromanage at that level.
6 I just want to make sure that we're going to stay on
7 track, The agency doesn't take on quite a burden to
8 make sure their involvement, accelerated schedule,
9 as well as United's isn't burdened. So we want to
10 make sure that everyone continues to work together
11 because that December 31 deadline is very close. I
12 can't stress that enough.

13 MR. DICKENSON: Very soon.

14 MR. HOGAN: Yes. It's coming quick.

15 MR. CARDENAS: I don't have to follow a
16 formal process here or should I? Do I need to c.c.
17 you if I'm making a request for data or for a
18 meeting or -- I mean, I don't --

19 MR. HOGAN: I would say if you're not getting
20 results, go ahead and give me an e-mail. But I
21 don't think that's going to be an issue.

22 Right?

23 MR. CARPENTER: No.

24 MR. HOGAN: Does anybody else have something
25 they'd like to add?

1 Go ahead, Jim.

2 MR. EDMONDSON: I just wanted to follow your
3 guidelines of the agencies, and I assume the
4 interesting parties. I've been involved with a few
5 relicensings over the past, I guess, 10 years, and
6 I've seen an emerging trend about adaptive
7 management which I support, Cal Trout supports, that
8 is we don't have all the answers. We feel
9 comfortable with some. We feel comfortable in
10 making some initial steps, and we encourage the
11 monitoring to see how it's progressing. That's
12 adaptive management. In these very unique and
13 compressed proceedings, going down the traditional
14 path, if the applicant was to not advocate adaptive
15 management approach in their application, would it
16 be within the purview of FERC to consider that as a
17 possible license amendment in the license?

18 MR. HOGAN: Article you mean?

19 MR. EDMONDSON: Yes.

20 MR. HOGAN: Absolutely. It does not
21 necessarily have to be proposed by the applicant in
22 order for FERC to approve it.

23 MR. EDMONDSON: And, John, I'm not saying it
24 in an adversarial way at all.

25 MR. DICKENSON: What I hear is that at some

1 point we're going to be -- it's possible that at
2 some point we're going to be at odds about how much
3 water gets to be used or how this licensing looks.
4 At this point, my understanding is the Commission is
5 the judge here. The Commission is a judicial body,
6 not a participate in the process. They're
7 ultimately going to resolve whatever issues we have.

8 MR. PETERS: As far as disputes over minimum
9 flows and so forth, that's probably true, yes.

10 MS. HOLSOPPLE: If you do not come to an
11 agreement, we'll take what information each of you
12 provide and make a judgment on it.

13 MR. HOGAN: And sometimes, even if you were
14 to come to an agreement and we did not support that
15 agreement, we could override it as well.

16 MR. DICKENSON: Yes.

17 MR. EDMONDSON: As a traditional process in
18 this compressed schedule versus the collaborative
19 process, whatever the term is used now as an
20 alternative, there isn't a set box in process that
21 allows parties to negotiate areas of agreement,
22 identify areas of dispute, reach a settlement
23 agreement.

24 This particular process is leading to
25 submission of a draft application, an application

1 decision by the agency as to whether it's acceptable
2 or not, and then get the ball rolling with, you
3 know, the paperwork.

4 MR. HOGAN: Correct. That does not preclude
5 parties from sitting down at a table --

6 MR. EDMONDSON: Independently.

7 MR. HOGAN: -- independently and trying to
8 hammer out, whether it's a semi-settlement or it's
9 full-blown settlement, on how you want the project
10 to the licensed. And if you were to do that, we
11 would be happy to have the application -- even
12 though we have the application December 31, 2004, it
13 would not prevent you from amending your application
14 after that date with the settlement. So if that's
15 the route you folks wanted to take, the Commission
16 is very favorable towards settlement agreements.

17 MR. PETERS: Just one second.

18 (Discussion held off the record
19 between Mr. Peters and Mr. Hogan.)

20 MR. HOGAN: Yes, sir.

21 MR. SCHMIDT: Up to this point, I just wanted
22 to say that I'll work with United Water on the
23 controlled flow studies on whitewater. I don't know
24 what the conclusion of the study are or what data
25 will be unleashed, but at least in the coordination

1 of the studies and the execution of the event, it
2 was a real collaborative process. John was real
3 helpful in giving myself and an assistant access to
4 do an exploratory run to make it a safe and
5 productive event. So I just wanted to say that at
6 least in that respect it's been quite a pleasant
7 experience, especially in contrast with maybe some
8 others I've experienced.

9 MR. HOGAN: Great to hear.

10 MS. HOLSOPPLE: Our invitation must have
11 gotten lost in the mail somewhere for those two
12 days.

13 MR. CARPENTER: It was an ex parte thing. It
14 was a focus study group.

15 MS. HOLSOPPLE: I think someone else had
16 their hand up.

17 MR. HOGAN: Stan?

18 MR. GLOWACKI: Yeah. I was wondering first
19 about formal consultation with you guys, when that's
20 going to happen?

21 MR. HOGAN: I'd have to look at our regs.

22 Is United proposing to become a
23 designated consulting agency for the site?

24 MR. DICKENSON: We hadn't considered it.

25 Isn't that part of development of the NEPA

1 requirements?

2 MR. HOGAN: I'm not too sharp on it.

3 MS. HOLSOPPLE: I believe at any point an
4 applicant can request to be the independent
5 consultation person to do consultation with other
6 agencies.

7 MR. CARPENTER: Is that Section 10 then?

8 MS. HOLSOPPLE: Section 7.

9 MR. GLOWACKI: Section 7. We'll need a
10 federal nexus. That would be you guys?

11 MR. HOGAN: If United doesn't do it, I
12 believe what happens is our NEPA document would be
13 used as our biological assessment. And that's what
14 initiates consultation. Depending on what I call in
15 the NEPA document.

16 MR. DICKENSON: Now, there is a method
17 whereby the applicant can become the NEPA document
18 confer?

19 MR. HOGAN: In the alternative licensing
20 process, which we're not in. We're about four or
21 five years too late.

22 MR. GLOWACKI: So is the Bureau of
23 Reclamation involved in this in any way?

24 MR. HOGAN: Not to my knowledge.

25 Anybody else?

1 MR. GLOWACKI: I have more questions

2 MR. HOGAN: Spit it out.

3 MR. GLOWACKI: These questions don't have to
4 be answered now. Probably be better for you guys
5 just to write this down and start thinking about it:
6 In which study will you be addressing an inventory
7 of large woody debris in Piru Creek, which is an
8 important part of fish habitat.

9 And then, in which ways are you willing
10 to change the flow regime to mimic a more natural
11 flowing creek, especially in the January through
12 June period? And I guess that's probably Study 29.

13 Now, we're kind of interested in what
14 are you guys willing to do to get the creek a more
15 natural flow regime? Are you willing to think
16 outside the box? You know, what ideas are you guys
17 willing to explore on that, like applying more water
18 to the California water project? Charging customers
19 more? You know, things like that. We're kind of
20 interested in that.

21 Because I'm sure that you will request
22 that the way the releases are managed now -- I mean,
23 we're going to request that things will be different
24 with the new license.

25 MR. HOGAN: As far as a new flow regime, I

1 think what we need to do is get studies in, and that
2 will be part of the proposal.

3 Large woody debris, I don't if you guys
4 are studying that now.

5 MR. CARPENTER: It was something that was
6 discussed, not as a line item, but it was discussed
7 when we were developing studies more related to the
8 fish habitat assessment. I can say with a high
9 degree of confidence that we've inventoried what's
10 there in addition to all the other riparian- and
11 fish-habitat attributes.

12 We don't have anything specific looking
13 at large woody debris right now. I think that the
14 recruitment potential in Piru Creek is extremely
15 doubtful that large woody debris plays an important
16 role, but that's just me throwing that out there.
17 But I think we got it covered in Study 13 or 14, one
18 of those, the habitat survey study. If we didn't
19 write it down, it means it wasn't there.

20 MR. CARDENAS: Matt, I tell you, I think you
21 know that I did a lot of steelhead stock for several
22 years in Santa Barbara and Ventura counties, and
23 I've done surveys all the way from coastal screens
24 into some of the wilderness screens, and we have
25 some very isolated areas. And I understand what

1 large woody debris means when you're trying to
2 define a steelhead or a trout stream. It's very
3 critical. It has a lot of weight to it. If it's
4 missing, it really notches down the health of the
5 stream.

6 But unfortunately, in Southern
7 California, we don't have large woody debris. I'm
8 not quite sure. I imagine there's several reasons
9 for that, but it's just absent in most streams, even
10 if they're, you know, streams that are river systems
11 that have very little human use or even historical
12 human use. So realizing that it's a real important
13 element in analyzing steelhead streams, it will
14 always give you a real low rating when you do it
15 here in Southern California because it's taxed.

16 MR. HOGAN: Jim?

17 MR. EDMONDSON: I'd like, for the record,
18 extend my appreciation to the private landowner for
19 his cooperation. It makes this whole process
20 pleasant and ripe with potential, because what I saw
21 yesterday from the Santa Felicia Dam to the
22 Santa Clara River was rich and unique and ripe with
23 opportunity to break an entirely new ecological
24 paradigm.

25 I'm afraid I don't agree with Maurice

1 because I did see large release species,
2 specifically gallery-force cottonwood, which only
3 you'll see once every 15 or 16 years. I saw
4 sycamores only on Q-25 or Q-50 bench of flood plain.

5 I think we have a real opportunity here
6 considering that we're dealing with an ecosystem
7 that's probably had major depravation for at least
8 300 years. The potential is, in my nonbiologist,
9 nonhydrologist 20-year advocate -- potential here
10 for improvement is large, particularly with
11 cooperation of the landowner.

12 MR. HOGAN: I would concur with what you said
13 as well. The landowner participation has been very,
14 very valuable. We appreciate it.

15 MS. COURTNEY: I thought you would have the
16 restaurant open today.

17 MR. COHEN: Well, if you had voted for lunch,
18 maybe we would be.

19 MR. HOGAN: So in general, the folks who have
20 been involved with this since last September, do you
21 think things are going well or not so well?

22 I see heads nodding but the court
23 reporter can't get heads nodding.

24 MS. COURTNEY: Well, I was sort of
25 disappointed that the bio surveys were not conducted

1 last summer, but I recently today found out that
2 there were financial limitations and that was the
3 reason they weren't conducted. And I think that
4 form of communication is not sometimes projected to
5 the rest of us, and we're sort of left out of the
6 loop as to why and how and when things were actually
7 being done.

8 MR. HOGAN: So we'd like to know why things
9 are scheduled when they are?

10 MS. COURTNEY: At least kept in the loop as
11 to why things were being done.

12 MS. HOLSOPPLE: Hopefully the quarterly
13 report will aid in that.

14 MS. COURTNEY: Right.

15 MR. DICKENSON: I heard from the Commission
16 here that the quarterly report should be filed with
17 you where nobody looked at them.

18 MR. HOGAN: They should be filed with all
19 parties.

20 MR. DICKENSON: Given to all parties.

21 MR. HOGAN: Right. Especially the
22 interveners. They have priority. Everybody who
23 you've been consulting with, it's important to you
24 know, keep them in touch.

25 One thing I'd like to have modified

1 about the monthly reports, going through them, I had
2 a hard time figuring out whether there was a
3 schedule change in the study or not because it
4 wasn't identified. I had to keep going back to your
5 study schedule and the progress on the study to see
6 if it was on time. I'd rather know if you're just
7 talking about progress in the study and you haven't
8 changed the schedule that I know that it hasn't been
9 changed. But if you have change it, I'd like to see
10 that it's been identified as being a slated schedule
11 change and the reason for it in the quarterly
12 report. That would be beneficial to me, and I think
13 it would be beneficial to most parties.

14 MR. SCHMIDT: Well, we finished the
15 whitewater study four months ago, and I haven't
16 really seen the data. If I had my wishes, I would
17 want to see some of that data.

18 MR. HOGAN: And that goes along with what
19 we've been discussing. As drafts are filled, stick
20 them in the quarterly reports. And in your working
21 groups, you know, if someone asks for the data,
22 please provide it. Because if you don't want to get
23 railroaded December 1, keep everyone aware of what's
24 going on. It's a preemptive strike.

25 Anybody else have comments?

1 Stan?

2 MR. GLOWACKI: I just would like to add,
3 changing the flow regime to benefit steelhead,
4 arroyo toads, and red-legged frogs, it all happened
5 at once. The more a natural flow regime can be
6 manipulated -- the more you can manipulate the flow
7 regime to look like a natural stream in these parts
8 of the world, the more it's going to benefit all the
9 species, and the more you're going to be satisfying
10 all the agencies at the same time.

11 MR. HOGAN: Let me ask a question. You talk
12 about manipulating flows. Does that mean that you
13 just want something that would follow the natural
14 habitat, not necessarily at the same level of flows
15 that would be natural for Piru Creek? Just maybe --
16 this is the wet months -- maybe this time of year
17 they get the 5 cfs, and during the dry months go
18 down to 1 or 2? I mean, what are you looking at?
19 Just following hydrodraft --

20 MR. GLOWACKI: Something like that, yeah.
21 Something more natural.

22 MR. HOGAN: Something where that would
23 collect the water but just not necessarily the
24 Piru Creek type of graph.

25 MR. GLOWACKI: Right. It would have to be

1 scaled down. We don't want all the water. We want
2 to work with you guys.

3 MR. HOGAN: So is that something that United
4 can look into?

5 MR. DICKENSON: Yes. Absolutely. If there's
6 any possibility for a win-win here -- if we're not
7 having the water resources taken from our
8 constituents, then it's the same yield from the
9 project. It's exactly what we wanted.

10 MR. HOGAN: I think that's the kind of
11 out-of-the-box thinking the folks are looking to.

12 MR. DICKENSON: Our job is to try bend that
13 overdraft problem.

14 MR. EDMONDSON: Just as a scheduling
15 suggestion, Ken, I think it's possible that come
16 September when the draft application is on paper and
17 surfaces in totality, there will be a brief window
18 of opportunity for the parties to meet and to seek
19 areas of agreement. I think it will be extremely
20 helpful if the applicant is the one who wants to
21 step forward and initiate that process, and I'll
22 just let the applicant know that I'm very interested
23 in that process. I've been successful in working in
24 that process, and no offense to FERC, but I hate
25 turning over all the controls to a judge if I can

1 have some control over my destiny and settlement.

2 MR. HOGAN: And the Commissioner would
3 prefer, from my experience, that you guys make what
4 works for you on the ground in the settlement is
5 better than what we can see. Nobody likes it when
6 we decide.

7 MR. EDMONDSON: I was very happy on your
8 January 20 order on the Eel (phonetic) River that
9 was issued. I think it was great.

10 MR. HOGAN: All right. Some people are
11 happy; others are not.

12 MR. DICKENSON: Can I ask one too?

13 MR. HOGAN: Absolutely.

14 MR. DICKENSON: On the sharing of data, it
15 would be better, I think, if we could get the data
16 requests -- if we get requests for raw data in some
17 sort of written form so there's a record of that. I
18 mean, otherwise --

19 MR. CARPENTER: We can make a list of what
20 data is available and the form that it's in. For
21 instance, with Kris' situation, I might be able to
22 say, "I've got questionnaires. I can make you a
23 copy, but I don't have your data reduced into an
24 Excel spreadsheet yet," but I can give an estimate
25 of when it would be in a spreadsheet form or

1 something. So we can kind of come up with a list of
2 available --

3 MR. DICKENSON: I worry about communication
4 and either us not hearing the request clearly or the
5 request not being made clearly and then down the
6 road people are upset because "I asked for that and
7 I never got it."

8 MR. HOGAN: One way to maybe address this is
9 when you're scheduling your work-group meetings, at
10 the meeting say, "This is the data I have available.
11 Would it be beneficial if I provide it to you?"

12 If the answer is yes, then, "I can
13 either bring it at work or" -- if the answer is "No.
14 I'd like to see it in a more condensed version,
15 then, "Okay. I'll have it at the next meeting." I
16 mean, I have no problem with that, scheduling being
17 done by e-mail and you have it in writing if you
18 want that written record. But I think that's a good
19 opportunity to say,
20 "What are your data expectations? Do you have it
21 available? Is it helpful to you?"

22 MR. DICKENSON: That's a good idea. Maybe
23 your list of available data could be something we
24 have to send out on e-mail periodically, and then we
25 get e-mail requests back.

1 MR. CARPENTER: Okay.

2 MR. HOGAN: Sounds like there has been some
3 minor breakdowns in communication, and hopefully we
4 can fix that. From what I've seen, the studies seem
5 to be going -- progressing fairly well in my
6 opinion. I'm not here hands-on and I haven't been
7 in years, but there's definitely significant effort
8 from our perspective being made here.

9 If that's everything --

10 MR. NELSEN: We represented in the past
11 multiple users such as mutual water companies of
12 water coming down the creek. What kind of
13 consideration does this process look at for uses of
14 water? We've talked about -- Stan has mentioned
15 different -- altering the flows coming out of the
16 creek for biology reasons.

17 MR. HOGAN: Are those downstream water
18 rights?

19 MR. NELSEN: Yes.

20 MR. HOGAN: I would image that water rights
21 are state water rights. So if this is a 5 cfs
22 allocation collectively down the stream --

23 I'll let you field that one.

24 MR. PETERS: I think it's beyond our
25 jurisdiction.

1 MR. NELSEN: Well, it goes beyond what the
2 allegations are, but we're talking about how the
3 release affect how these --

4 MR. PETERS: Well, obviously the volume of
5 the releases will have impact upon those issues, and
6 there's nothing that I know of to prevent your
7 client or group from intervening to raise whatever
8 issues you might want to raise.

9 MR. HOGAN: Absolutely.

10 MR. PETERS: Which also puts you on the list
11 for receiving the information that we talked about
12 earlier.

13 MR. HOGAN: And there is still a scoping
14 process that we have so those issues can be raised
15 at that time as well. You can file information all
16 the time. We're constantly accepting information.
17 There's nothing to stop it. If there's something
18 that you think that we're not aware of, please make
19 us aware of it.

20 MR. PETERS: Right. Even though it may be
21 beyond our reach, there's nothing to prohibit you
22 from raising issues that you think may be impacted
23 by the Commission's decisions.

24 MR. EDMONDSON: The nexus of state -- the
25 state has primary jurisdiction over water rights

1 certainly in these proceedings, and the state Water
2 Resources Control Board I believe will be -- an
3 application will be filed with the 401 Clean Water
4 Act for certification of this project. They can
5 decide whether they want to waive it or take action
6 upon it, and that will provide the water-right
7 holders an additional venue to share their concerns
8 in these proceedings. This is actually the state
9 agency that has the primary responsibility to
10 protect your client's interests.

11 MR. HOGAN: Is there anything else?

12 (No audible response.)

13 MR. HOGAN: Well, I want to thank everybody
14 for coming today. I think this was a productive
15 meeting. We definitely learned a lot.

16 MS. HOLSOPPLE: Enjoyed the weather.

17 MR. HOGAN: Really appreciate your
18 participation.

19 (TIME NOTED: 12:58 p.m.)

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24

1 STATE OF CALIFORNIA) ss.

2 COUNTY OF LOS ANGELES)

3

4 I, MAXINE MILLER, Shorthand Reporter and
5 Notary Public, Certificate No. 929568, for the State of
6 California certify:

7 That the foregoing proceedings were
8 taken before me at the time and place therein set forth;

9 That the proceedings were recorded
10 stenographically by me, and were thereafter transcribed
11 under my direction and supervision, and that the
12 foregoing is a true record of same.

13 I further certify that I am neither
14 counsel for nor related to any party to said action, nor
15 in any way interested in the outcome thereof.

16 IN WITNESS WHEREOF, I have subscribed by
17 name this 9th day of February, 2004.

18

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20 _____
MAXINE MILLER, Notary Public 929568

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1	EXHIBITS		
2	LETTER	DESCRIPTION	IDENTIFIED
3	A	Pamphlet regarding Santa Felicia project	134
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