

From: Imholt, Susan
To: [Alison Willy](#); ["Cranston, Peggy"](#); [Eicher, James M](#)
Cc: [Michelle Reimers \(mareimers@tid.org\)](#); [Robert Nees \(rmnees@tid.org\)](#); [Bill Johnston \(Agengr@tid.org\)](#); [Steve Boyd \(seboyd@tid.org\)](#); [Melissa Williams \(MelissaW@mid.org\)](#); [Joy Warren \(joyw@mid.org\)](#); [Greg Dias \(gregd@mid.org\)](#); [Regina Cox \(reginac@mid.org\)](#); [Devine, John](#); [Borovansky, Jenna](#); [Malkin, Devin](#)
Subject: Don Pedro Project FERC Relicensing - CRLF Site Assessment Field Notice
Date: Friday, April 27, 2012 4:28:00 PM

**ESA-Listed Amphibians – California Red-legged Frog Study (Study TR-7)
Continuation of Site Assessment Fieldwork**

On behalf of Modesto Irrigation District and Turlock Irrigation District (the Districts), who own and operate the Don Pedro Project, HDR Engineering, Inc. (HDR) is continuing fieldwork for Study TR-7, ESA-Listed Amphibians – California Red-legged Frog Study, which includes field site assessments of aquatic habitats at accessible areas of potentially suitable aquatic habitat within 1.0 mile of the existing FERC Project Boundary.

The FERC-approved study plan requires the Districts provide advance notice of the field assessments and invitation to observe the field work to USFWS. Field work is scheduled to occur coincident with upcoming foothill yellow-legged frog (FYLF) surveys, which are to occur during the FYLF breeding season. Due to the dynamic nature of the timing of FYLF breeding, it is not practicable to schedule fieldwork more than 1-2 weeks in advance. It is anticipated that fieldwork will occur between May 27 and June 30. Specific dates of CRLF assessments will be given to interested observers who contact Susie Imholt by May 21, 2012.

It is anticipated that site assessments will be performed at accessible locations in the study area outside of the FERC Project Boundary. Site assessment locations have not yet been finalized, but it is anticipated that some locations will be located on BLM land.

HDR biologists performing the assessments can be met each day at 8:00 AM at the Best Western in Sonora, CA (19551 Hess Avenue, Sonora, California, 95370-9720, phone: 209-533-4400). Interested observers are asked to please contact Susie Imholt (office: 206-826-4693, cell: 360-318-5333) by May 21.

Observers are asked to be prepared for work in the elements with the proper clothing, footwear, food, and water. Please also be aware that the terrain may be rigorous. HDR cannot provide transportation for observers due to liability constraints.

If you have any questions regarding this e-mail, please contact Susie Imholt.

SUSAN IMHOLT

HDR Engineering, Inc.

Scientist - Wildlife, Fisheries, Botanical

601 Union St, Suite 700 | Seattle, WA 98101
206.826.4693 | c: 360.318.5333

From: Imholt, Susan
To: [Alison Willy](#); ["Cranston, Peggy"](#); [Eicher, James M](#)
Cc: [Malkin, Devin](#); [Devine, John](#); [Borovansky, Jenna](#)
Subject: Don Pedro Project FERC Relicensing - CRLF and CTS reporting
Date: Monday, May 14, 2012 1:50:28 PM
Attachments: [CRLF and CTS tables.pdf](#)

Hello Alison, Peggy, and Jim,

Devin Malkin and I are beginning to draft the California red-legged frog (CRLF) and California tiger salamander (CTS) reports for the Don Pedro Project Relicensing. USFWS's 2005 guidance for CRLF states that site assessment reports should include individual CRLF Site Assessment datasheets, one datasheet per assessment location. For Don Pedro, we have over 350 assessment locations, over 200 of which are on private land where access has been denied by private landowners. Assessments at these locations will be conducted using aerial imagery instead of on-the-ground field assessments. We would like to report the information for sites that are assessed using aerial imagery using a tabular format, rather than submitting a datasheet for each of these 200+ locations. I have attached example tables showing this proposed approach for both the CRLF and CTS aerial assessment locations. The information in the tables is the same information as is on the datasheets.

Please let me know if you see any issues with our proposed approach.

Thank you,

SUSAN IMHOLT

HDR Engineering, Inc.

Scientist - Wildlife, Fisheries, Botanical

601 Union St, Suite 700 | Seattle, WA 98101

206.826.4693 | c: 360.318.5333

susan.imholt@hdrinc.com | hdrinc.com

From: Kent, Robin
To: ["Alison_Willy@fws.gov"](mailto:Alison_Willy@fws.gov)
Cc: [Devine, John](#); [Borovansky, Jenna](#)
Subject: Don Pedro Project: Potential VELB hole findings
Date: Thursday, May 17, 2012 7:33:35 PM
Attachments: [VELB46_holes_id.jpg](#)
[VELB46_habitat_id.jpg](#)
Importance: High

Dear Alison:

Per the study plan for the Valley Elderberry Longhorn Beetle on the relicensing of the Don Pedro Project, we are to report to the USFWS when we located either VELB or VELB boreholes. Per this requirement, I am reporting to you an additional elderberry occurrence with potential boreholes that was located on the Project.

Occurrence #46: UTM: 4192631 730940 Photos: VELB 46_habitat and VELB 46_holes

I have enclosed photos of the elderberry occurrence. Please let me know if you have trouble opening the attachments.

All information required by the study plan about all elderberry plants with appropriate stems over 1 inch will be included in the study report.

If there is more information I can provide at this time about the study, the elderberry occurrences or the located potential boreholes, please let me know.

Thank you!

ROBIN KENT

HDR

Senior Scientist, Hydropower Services

2379 Gateway Oaks, Suite 200 | Sacramento, CA 95833

916.679.8733 | c: 530.220.4283

robin.kent@hdrinc.com | hdrinc.com



Please Think Before Printing

From: Bricker, Kelly
Sent: Monday, May 21, 2012 1:30 PM
To: Barbara_Rice@nps.gov; BHackamack[REDACTED]; Harry Williamson;
jessie@tuolumne.org; jhorn@blm.gov; patrick@tuolumne.org;
peter@tuolumne.org; george[REDACTED] Craig, Nancy; Paquette, Matthew;
Stephen_Bowes@nps.gov; Dave Steindorf; bcenter7210[REDACTED]
Cc: scott[REDACTED] rivers[REDACTED] arta[REDACTED]
info[REDACTED]; smrt@mlode.com; bil[REDACTED]
sue[REDACTED] raft[REDACTED]; ferg[REDACTED]
zrafting[REDACTED] chris[REDACTED] bpittman@fs.fed.us;
jhilson@fs.fed.us; marycross@fs.fed.us; dfoote@fs.fed.us;
lcphillips@fs.fed.us; jasminecjackson[REDACTED] chimpson[REDACTED]
jmera[REDACTED] paul_martzen[REDACTED]
romani218[REDACTED]; carussell@tid.org; [REDACTED]
Gregg[REDACTED]; Greg_Stock@nps.gov; Roger_Farmer@nps.gov;
drjigour@tid.org; marty[REDACTED] james[REDACTED]
tylerw[REDACTED] tyra[REDACTED] HotelCharlotte[REDACTED]
cindy[REDACTED] peggy[REDACTED]; jacarkeet@tid.org;
angrechko@ucdavis.edu; jkmargid@ucdavis.edu; beobob[REDACTED];
mecraig@fs.fed.us; rstanley@fs.fed.us; [REDACTED]
Jim_Roche@nps.gov; mbc[REDACTED] elisabethb[REDACTED]
vshumway@fs.fed.us; gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us;
mdowd@fs.fed.us; brucecmgurk[REDACTED] Klein, John; Evans, Robert;
Scott@mcbaintrush.com; mount@geology.ucdavis.edu;
jer[REDACTED] com; fwmonier@tid.org; daveb@mid.org;
billk@mid.org; j.schultz@utah.edu
Subject: APOLOGIES FOR CROSS POSTING-Recreation Flow Study on the Lower T

Upcoming Boater Survey Period from May 30-June 3

Volunteers Needed!

Lower Tuolumne Lowest Boatable Flow Study from
LaGrange to Waterford

Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) are the co-licensees of the Don Pedro Hydroelectric Project (FERC No. 2299). The current license to operate the Don Pedro Project will expire on April 30, 2016, and the Districts are in the process of obtaining a new license to operate from the Federal Energy Regulatory Commission (FERC). The Districts plan to apply for a new license no later than April 30, 2014 and are engaged in a comprehensive suite of 35 environmental and related studies in support of their license application. Information about the Don Pedro Relicensing is available at: www.donpedro-relicensing.com.

One of the studies being conducted is a Lowest Boatable Flow Study on the Lower Tuolumne from the Old LaGrange Bridge to the Turlock Lake State Recreation Area, and from TLSRA to Waterford. The primary goal of the study is to determine if the Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available. We are seeking participation from boaters in a variety of non-motorized watercraft – canoes, kayaks, drift rafts, etc.

At this time, the Districts are requesting boater feedback on the Lower Tuolumne River from the Old LaGrange Bridge to TLSRA (approximately 8.5 miles), and from TLSRA to Waterford (approximately 10 miles). The Districts will be present with a boater survey to complete at the end of the each run, based on the following schedule*:

5/30 – study flow of 200 cfs (8 am - 5 pm)
5/31 – study flow at 175 cfs (8 am - 5 pm)
6/1 -- study flow at 150 cfs (8 am - 5 pm) – if needed
6/2 -- study flow at 125 cfs (8 am - 5 pm) – if needed
6/3 -- study flow at 100 cfs (8 am - 5 pm) – if needed

*This flow schedule is subject to change. We will communicate with boaters who volunteer about any schedule changes that affect the study.

We ask that boaters run either LaGrange to TLSRA or TLSRA to Waterford at least two times to determine the lowest boatable flow.

If you are available to volunteer for this important study, please contact Kelly Bricker at 916-206-3189 or kelly.bricker@hdrinc.com. Please forward to others you know who may be interested in participating. We will appreciate hearing from you by Friday, May 25 to assist us in our planning.

Please feel free to pass this along to any boaters you feel can participate in this study.

Thank you!
Kelly

KELLY S BRICKER, PHD

HDR Engineering Inc.
Senior Scientist | Recreation Planner

2379 Gateway Oaks Drive, Suite 200 | Sacramento, CA 95883
C: 916.206.3189 | O: 801.585.6503
kelly.bricker@hdrinc.com | www.hdrinc.com

From: Stephen_Bowes@nps.gov
Sent: Monday, May 21, 2012 1:57 PM
To: Bricker, Kelly
Cc: angrechko@ucdavis.edu; arta [REDACTED] Barbara_Rice@nps.gov;
beobob [REDACTED] BHackamack [REDACTED];
bil [REDACTED] billk@mid.org; bpittman@fs.fed.us;
brooksbyrant@fs.fed.us; brucemcgurk [REDACTED] carussell@tid.org;
chimpsor [REDACTED] chris [REDACTED]; cindy [REDACTED];
daveb@mid.org; dfoote@fs.fed.us; [REDACTED];
drjigour@tid.org; elisabethb [REDACTED]; ferg [REDACTED];
fwmonier@tid.org; gdvaughn@fs.fed.us; george [REDACTED];
Gregg [REDACTED]; Greg_Stock@nps.gov; Harry Williamson;
HotelCharlotte [REDACTED] info [REDACTED]; jacarkeet@tid.org;
james [REDACTED] jasminecjackson [REDACTED]; jen [REDACTED];
jessie@tuolumne.org; jhilton@fs.fed.us; jhorn@blm.gov;
Jim_Roche@nps.gov; jkmargid@ucdavis.edu; jmera [REDACTED];
Klein, John; j.schultz@utah.edu; Bricker, Kelly; lcphillips@fs.fed.us;
marty [REDACTED]; marycross@fs.fed.us; Paquette, Matthew;
mb [REDACTED]; mdowd@fs.fed.us; mecraig@fs.fed.us; Williams, Mike;
mount@geology.ucdavis.edu; Craig, Nancy; patrick@tuolumne.org;
paul_martzer [REDACTED] [REDACTED]; peter@tuolumne.org;
picturethis@foothill.net; [REDACTED]; rivers [REDACTED];
rstanley@fs.fed.us; Evans, Robert; Roger_Farmer@nps.gov;
romani218 [REDACTED]; scott [REDACTED]; smrt@mlode.com;
sue [REDACTED] tylerw [REDACTED] tyras [REDACTED];
vshumway@fs.fed.us; zrafting [REDACTED]
Subject: RE: Recreation Focus Group Meeting-April 17 (Following Tuolumne River
Recreation Meeting)

Kelly,

I won't be boating but I will come by to see how things are going.

Stephen M. Bowes
Hydropower Assistance Program
National Park Service
333 Bush Street, Suite 500
San Francisco, CA 94104
Phone: 415-623-2321
Fax: 415-623-2387

From: Kent, Robin
To: ["Alison_Willy@fws.gov"](mailto:Alison_Willy@fws.gov)
Cc: [Borovansky, Jenna](#); [Devine, John](#)
Subject: Potential VELB hole findings
Date: Monday, May 21, 2012 10:03:19 PM
Attachments: [VELB31_habitat.JPG](#)
[VELB31_holes.JPG](#)
[VELB32_habitat.JPG](#)
[VELB32_holes.JPG](#)
[SAMNIG026.JPG](#)
[SAMNIG-38.JPG](#)

Dear Alison:

Per the study plan for the Valley Elderberry Longhorn Beetle on the relicensing of the Don Pedro Project, we are to report to the USFWS when we located either VELB or VELB boreholes. Per this requirement, I am reporting to you an additional four elderberry occurrences with potential boreholes that were located on the Project.

Occurrence #26: UTM: 4181205 731982 Photos: SMANIG026
Occurrence #31: UTM: 4191448 733017 Photos: VELB 31_habitat and VELB 31_holes
Occurrence #32: UTM: 4191548 732970 Photos: VELB32_habitat and VELB32_holes
Occurrence#38: UTM: 4191563 733066 Photos: SAMNIG-38

I have enclosed photos of the elderberry occurrences. Please let me know if you have trouble opening the attachments.

All information required by the study plan about all elderberry plants with appropriate stems over 1 inch will be included in the study report.

If there is more information I can provide at this time about the study, the elderberry occurrences or the located potential boreholes, please let me know.

Thank you!

ROBIN KENT

HDR

Senior Scientist, Hydropower Services

2379 Gateway Oaks, Suite 200 | Sacramento, CA 95833

916.679.8733 | c: 530.220.4283

robin.kent@hdrinc.com | hdrinc.com



Please Think Before Printing

From: Bricker, Kelly
Sent: Saturday, May 26, 2012 2:46 PM
To: Patrick Koepele; Borovansky, Jenna
Cc: [scott](#); [rivers](#); [arta](#); [smrt@mlode.com](#); [sue](#); [raft](#); [ferc](#); [zrafting](#); [chris](#); [bpittman@fs.fed.us](#); [jhilson@fs.fed.us](#); [marycross@fs.fed.us](#); [dfoote@fs.fed.us](#); [lcphillips@fs.fed.us](#); [jasminecjackson](#); [chimpson](#); [jmera](#); [paul_martzer](#); [carussell@tid.org](#); [picturethis](#); [Gregg](#); [Greg_Stock@nps.gov](#); [Roger_Farmer@nps.gov](#); [drjigour@tid.org](#); [james](#); [tylerw](#); [HotelCharlotte](#); [cindy](#); [peggy](#); [jacarkeet@tid.org](#); [angrechko@ucdavis.edu](#); [jkmargid@ucdavis.edu](#); [beobob](#); [mecraig@fs.fed.us](#); [rnstanley@fs.fed.us](#); [dirtbag01](#); [Jim_Roche@nps.gov](#); [mb](#); [vshumway@fs.fed.us](#); [gdvaughn@fs.fed.us](#); [brooksbyrant@fs.fed.us](#); [mdowd@fs.fed.us](#); [brucemcgurk](#); Klein, John; Williams, Mike; Evans, Robert; [Scott@mcbaintrush.com](#); [mount@geology.ucdavis.edu](#); [jer](#); [fwmonier@tid.org](#); [daveb@mid.org](#); [billk@mid.org](#); 'Rune Storesund'; [Barbara_Rice@nps.gov](#); [BHackamack](#); 'Harry Williamson'; [jessie@tuolumne.org](#); [jhorn@blm.gov](#); [peter@tuolumne.org](#); [george](#); Craig, Nancy; Paquette, Matthew; [Stephen_Bowes@nps.gov](#)
Subject: TID/MID Additional Logistics-Lower T Flow Study

ADDITIONAL LOGISTICS FOR THE
LOWER TUOLUMNE LOWEST BOATABLE FLOW STUDY
MAY 30, 31, AND JUNE 1-3*

The following information is for everyone interested in participating in the lower Tuolumne flow study scheduled for May 30-June 3. This is the second notice of this event.

Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) are the co-licensees of the Don Pedro Hydroelectric Project (FERC No. 2299). The current license to operate the Don Pedro Project will expire on April 30, 2016, and the Districts are in the process of obtaining a new license to operate from the Federal Energy Regulatory Commission (FERC). The Districts plan to apply for a new license no later than April 30, 2014 and are engaged in a comprehensive suite of 35 environmental and related studies in support of their license application. Information about the Don Pedro Relicensing is available at: www.donpedro-relicensing.com.

The primary goal of the study is to determine if the Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available. Again, we are seeking participation from boaters in a variety of non-motorized watercraft – canoes, kayaks, drift rafts, etc.

At this time, the Districts are requesting boater feedback on the Lower Tuolumne River from the Old LaGrange Bridge to Turlock Lake State Recreation Area (TLSRA) (approximately 8.5 miles), and from TLSRA to Waterford (approximately 10 miles). We anticipate 4-5 hours on each of the two reaches at these flows.

We kindly ask volunteer boaters meet at **Turlock Lake State Recreation Area (TLSRA) at 10:00 AM --** we will explain the study, and aspects of the reaches we hope participants will be able to offer a perspective on.

The Districts will provide the following:

- 1) Explanation of the study at the start, and what to look for in order to provide a perspective of the flow at the end of the reach;
- 2) Day passes at the Turlock State Recreation Area (for shuttle and/or put-in parking);
- 3) Survey at the end of the reach to understand boater's opinions about the flows;
- 4) Light snack and water at the beginning and end of the flow study.

The Districts cannot provide the following:

- 1) Shuttle services
- 2) Passenger/boater support on river or within a shuttle
- 3) Any other on-river support.

We kindly request that all volunteers participate on May 30th as flows after that date may be determined to be not boatable. The study will be discontinued when the lowest boatable flow is reached, so please note we may not utilize 125 or 100 cfs boating days, depending on results from earlier days.

The Districts will be present with a boater survey for participants at the end of the each run, based on the following schedule*:

- 5/30 – study flow of 200 cfs (after put-in – until 5 pm)
- 5/31 – study flow at 175 cfs (after put-in – until 5 pm)
- 6/1 -- study flow at 150 cfs (after put-in – until 5 pm)– if needed
- 6/2 -- study flow at 125 cfs (after put-in – until 5 pm)– if needed

- 6/3 -- study flow at 100 cfs (after put-in – until 5 pm)– if needed

***This flow schedule is subject to change. We will communicate with boaters who volunteer about any schedule changes that affect the study.**

If you plan to volunteer for this important study, please contact Kelly Bricker at 916-206-3189 or kelly.bricker@hdrinc.com. Please invite others you know who may be interested in participating.

Thank you!
Kelly

From: Craig, Nancy
Sent: Friday, June 01, 2012 9:10 AM
To: 'Patrick Koepele'; 'Stephen.Bowes@nps.gov'; 'brian@redacted'; 'cstevenot@redacted'; 'dsutton@charter.net'
Cc: 'scott@redacted'; 'rivers@redacted'; 'arta@redacted'; 'info@redacted'; 'smrt@mlode.com'; 'bill@redacted'; 'sue@redacted'; 'raft@redacted'; 'ferg@redacted'; 'zrafting@redacted'; 'chris@redacted'; 'bpittman@fs.fed.us'; 'jhilson@fs.fed.us'; 'marycross@fs.fed.us'; 'dfoote@fs.fed.us'; 'lcphillips@fs.fed.us'; 'jasmineciackson@redacted'; 'chimpsor@redacted'; 'jmera@redacted'; 'paul_martzer@redacted'; 'romani218@redacted'; 'carussell@tid.org'; 'picturethis@redacted'; 'Gregg@redacted'; 'Greg.Stock@nps.gov'; 'Roger.Farmer@nps.gov'; 'drjigour@tid.org'; 'marty@redacted'; 'james@redacted'; 'tylerw@redacted'; 'tyras@redacted'; 'HotelCharlotte@redacted'; 'cindy@redacted'; 'jacarkeet@tid.org'; 'angrechko@ucdavis.edu'; 'jkmargid@ucdavis.edu'; 'beobot@redacted'; 'mecraig@fs.fed.us'; 'rnstanley@fs.fed.us'; 'dirtbag01@redacted'; 'Jim.Roche@nps.gov'; 'mb@redacted'; 'elisabeth@redacted'; 'vshumway@fs.fed.us'; 'gdvaughn@fs.fed.us'; 'brooksbyrant@fs.fed.us'; 'mdowd@fs.fed.us'; 'klein@redacted'; Klein, John; Williams, Mike; Evans, Robert; 'Scott@mcbaintrush.com'; 'mount@geology.ucdavis.edu'; 'fwmonier@tid.org'; 'daveb@mid.org'; 'billk@mid.org'; 'Rune Storesund'; 'Barbara.Rice@nps.gov'; 'BHackamack@redacted'; 'Harry Williamson'; 'jessie@tuolumne.org'; 'jhorn@blm.gov'; 'peter@tuolumne.org'; 'george@redacted'; Paquette, Matthew; 'Wes Monier'; 'Guptill@redacted'
Subject: RE: TID/MID Additional Logistics-Lower T Flow Study

Thank you to all who participated in the flow study Thursday, 5/31.
We will go again on Friday, June 1 with a planned flow of 150 cfs. Please meet at **[Turlock Lake State Recreation Area \(TLSRA\) at 10:00 AM](#)** if you plan to participate. You are welcome on Friday even if you were not able to make it Wednesday or Thursday.
Thanks again,

NANCY CRAIG

HDR Engineering, Inc.
Project Manager, Hydropower Services

1825 N. Tegner St. | Wickenburg, AZ 85390
928.273.5772
nancy.craig@hdrinc.com

From: Guptill, Chris
Sent: Friday, June 01, 2012 10:30 PM
To: Craig, Nancy
Subject: Re: TID/MID Additional Logistics-Lower T Flow Study

I will be out of town tomorrow so I can't go. The flow was possible to boat for me in my kayak but any other boat would run into more problems. I had 3 stoppages and 12 total scrapes. Lots of obstacles and hazards. I think possible and boatable need to be better clarified. I will send my final survey in when I get a chance. Thanks for including me on the emails I appreciate it.

On Jun 1, 2012, at 7:23 PM, "Craig, Nancy" <Nancy.Craig@hdrinc.com> wrote:

Hello Chris,

How did things go down in the Modesto area on Friday? We had a few more drags on the upper reaches, but still boatable.

None of the boaters who participated on the upper reaches are going to do the runs this weekend. The flow schedule will stay as planned – approx 125 cfs at the LaGrange gage on Saturday and approx 100 cfs on Sunday (100 cfs is the scheduled flow throughout the summer beginning Sunday).

If you would like to do the Modesto-area reach on Saturday, we will certainly appreciate your input.

Thanks for your efforts on this study,

NANCY CRAIG
HDR Engineering, Inc.
Project Manager, Hydropower Services
928.273.5772
nancy.craig@hdrinc.com

From: Craig, Nancy
Sent: Friday, June 01, 2012 10:17 PM
To: 'Patrick Koepele'; 'Stephen_Bowes@nps.gov'; 'cstevenot[REDACTED]';
'rickeyrat[REDACTED]';
Cc: 'scott[REDACTED]'; 'rivers[REDACTED]'; 'arta[REDACTED]'; 'info[REDACTED]';
'smrt@mlode.com'; 'bil[REDACTED]'; 'sue[REDACTED]';
'raft[REDACTED]'; 'ferg[REDACTED]'; 'zrafting[REDACTED]';
'chris[REDACTED]'; 'bpittman@fs.fed.us'; 'jhilson@fs.fed.us';
'brian[REDACTED]'; 'marycross@fs.fed.us'; 'dfoote@fs.fed.us';
'lcphillips@fs.fed.us'; 'd.sutton[REDACTED]'; 'jasminecjackson[REDACTED]';
'chimpsor[REDACTED]'; 'jmera[REDACTED]'; 'paul_martzer[REDACTED]';
'romani218[REDACTED]'; 'carussell@tid.org'; 'picturethis[REDACTED]';
'Gregg[REDACTED]'; 'Greg_Stock@nps.gov'; 'Roger_Farmer@nps.gov';
'drjigour@tid.org'; [REDACTED]; 'james[REDACTED]'; 'tylerw[REDACTED]';
'tyras[REDACTED]'; 'HotelCharlotte[REDACTED]'; 'cindy[REDACTED]';
'peggy[REDACTED]'; 'jacarkeet@tid.org'; 'angrechko@ucdavis.edu';
'jkmargid@ucdavis.edu'; Bricker, Kelly; 'beobob[REDACTED]'; 'mecraig@fs.fed.us';
'rstanley@fs.fed.us'; 'dirtbag01[REDACTED]'; 'Jim_Roche@nps.gov';

'mbc[REDACTED]'; 'elisabethb[REDACTED]'; 'vshumway@fs.fed.us';
'gdvaughn@fs.fed.us'; 'brooksbyrant@fs.fed.us'; 'mdowd@fs.fed.us';
'brucemcgurk[REDACTED]'; Klein, John; Williams, Mike; Evans, Robert;
'Scott@mcbaintrush.com'; 'mount@geology.ucdavis.edu'; 'jer[REDACTED]';
'fwmonier@tid.org'; 'daveb@mid.org'; 'billk@mid.org'; 'Rune Storesund';
'Barbara_Rice@nps.gov'; 'BHackamack[REDACTED]'; 'Harry Williamson';
'jessie@tuolumne.org'; 'jhorn@blm.gov'; 'peter@tuolumne.org'; 'george[REDACTED]';
Paquette, Matthew; 'Wes Monier'; 'Guptill.C[REDACTED]';
Subject: RE: TID/MID Additional Logistics-Lower T Flow Study

Thank you to all who participated in the flow study Friday, 6/1.
Because no one has indicated intent to participate on Saturday, June 2,
we will not be on-site for the study on Saturday, June 2 or Sunday,
June 3. Please contact me if you have any questions.

Thanks to everyone who volunteered for this effort. Your assistance is
appreciated,

NANCY CRAIG
HDR Engineering, Inc.
Project Manager, Hydropower Services

1825 N. Tegner St. | Wickenburg, AZ 85390
928.273.5772
nancy.craig@hdrinc.com

From: Bricker, Kelly
Sent: Saturday, May 26, 2012 2:46 PM
To: Patrick Koepele; Borovansky, Jenna
Cc: scott[REDACTED] rivers[REDACTED] arta[REDACTED] info[REDACTED]
smrt@mlode.com; bil[REDACTED] sue[REDACTED];
raft[REDACTED]; ferg[REDACTED]; zrafting[REDACTED] net; chris[REDACTED];
bpittman@fs.fed.us; jhilton@fs.fed.us; marycross@fs.fed.us; dfoote@fs.fed.us;
lcphillips@fs.fed.us; jasminec[REDACTED] [REDACTED]
jmera[REDACTED] paul_martzen[REDACTED] romani218[REDACTED] net;
carussell@tid.org; picturethis[REDACTED]; [REDACTED] Greg_Stock@nps.gov;
Roger_Farmer@nps.gov; drjigour@tid.org; marty[REDACTED] james[REDACTED];
tylerw[REDACTED] tyras[REDACTED] HotelCharlotte[REDACTED] cindy[REDACTED];
peggy[REDACTED]; jacarkeet@tid.org; angrechko@ucdavis.edu;
jkmargid@ucdavis.edu; beobob[REDACTED]; mecraig@fs.fed.us; rnstanley@fs.fed.us;
dirtbag01[REDACTED] Jim_Roche@nps.gov; [REDACTED]
[REDACTED] com; vshumway@fs.fed.us; gdvaughn@fs.fed.us;
brooksbyrant@fs.fed.us; mdowd@fs.fed.us; brucemcgurk[REDACTED] Klein, John;
Williams, Mike; Evans, Robert; Scott@mcbaintrush.com; mount@geology.ucdavis.edu;
jer[REDACTED] fwmonier@tid.org; daveb@mid.org; billk@mid.org; 'Rune
Storesund'; Barbara_Rice@nps.gov; BHackamack[REDACTED] 'Harry Williamson';

jessie@tuolumne.org; jhorn@blm.gov; peter@tuolumne.org; george [REDACTED] Craig,
Nancy; Paquette, Matthew; Stephen_Bowes@nps.gov
Subject: TID/MID Additional Logistics-Lower T Flow Study

ADDITIONAL LOGISTICS FOR THE
LOWER TUOLUMNE LOWEST BOATABLE FLOW STUDY
MAY 30, 31, AND JUNE 1-3*

The following information is for everyone interested in participating
in the lower Tuolumne flow study scheduled for May 30-June
3. This is the second notice of this event.

Turlock Irrigation District (TID) and Modesto Irrigation District
(MID) (collectively, the Districts) are the co-licensees of the Don
Pedro Hydroelectric Project (FERC No. 2299). The current license to
operate the Don Pedro Project will expire on April 30, 2016, and the
Districts are in the process of obtaining a new license to operate from
the Federal Energy Regulatory Commission (FERC). The Districts
plan to apply for a new license no later than April 30, 2014 and are
engaged in a comprehensive suite of 35 environmental and related
studies in support of their license application. Information about the
Don Pedro Relicensing is available at: www.donpedro-relicensing.com.

The primary goal of the study is to determine if the Project's
minimum flows result in boatable flows for non-motorized,
recreational river boating in portions of the lower Tuolumne River
where put-ins and take-outs are available. Again, we are seeking
participation from boaters in a variety of non-motorized watercraft –
canoes, kayaks, drift rafts, etc.

At this time, the Districts are requesting boater feedback on the Lower
Tuolumne River from the Old LaGrange Bridge to Turlock Lake State
Recreation Area (TLSRA) (approximately 8.5 miles), and
from TLSRA to Waterford (approximately 10 miles). We anticipate
4-5 hours on each of the two reaches at these flows.

We kindly ask volunteer boaters meet at Turlock Lake State
Recreation Area (TLSRA) at 10:00 AM -- we will explain the
study, and aspects of the reaches we hope participants will be able to
offer a perspective on.

The Districts will provide the following:

- 1) Explanation of the study at the start, and what to look for in
order to provide a perspective of the flow at the end of the
reach;
- 2) Day passes at the Turlock State Recreation Area (for shuttle
and/or put-in parking);

- 3) Survey at the end of the reach to understand boater's opinions about the flows;
- 4) Light snack and water at the beginning and end of the flow study.

The Districts cannot provide the following:

- 1) Shuttle services
- 2) Passenger/boater support on river or within a shuttle
- 3) Any other on-river support.

We kindly request that all volunteers participate on May 30th as flows after that date may be determined to be not boatable. The study will be discontinued when the lowest boatable flow is reached, so please note we may not utilize 125 or 100 cfs boating days, depending on results from earlier days.

The Districts will be present with a boater survey for participants at the end of the each run, based on the following schedule*:

- * 5/30 – study flow of 200 cfs (after put-in – until 5 pm)
- * 5/31 – study flow at 175 cfs (after put-in – until 5 pm)
- * 6/1 -- study flow at 150 cfs (after put-in – until 5 pm)– if needed
- * 6/2 -- study flow at 125 cfs (after put-in – until 5 pm)– if needed
- * 6/3 -- study flow at 100 cfs (after put-in – until 5 pm)– if needed

*This flow schedule is subject to change. We will communicate with boaters who volunteer about any schedule changes that affect the study.

If you plan to volunteer for this important study, please contact Kelly Bricker at 916-206-3189 or kelly.bricker@hdrinc.com. Please invite others you know who may be interested in participating.

Thank you!

Kelly

From: Stephen_Bowes@nps.gov
Sent: Friday, June 15, 2012 2:52 PM
To: Bricker, Kelly
Cc: Dave Steindorf; Craig, Nancy; Patrick Koepele
Subject: RE: Boatable Flow Study

Either day works for me.

Stephen M. Bowes
Hydropower Assistance Program
National Park Service
333 Bush Street, Suite 500
San Francisco, CA 94104
Phone: 415-623-2321
Fax: 415-623-2387

"Bricker, Kelly"
<Kelly.Bricker@hdrinc.com>
To
"Stephen_Bowes@nps.gov"
06/15/2012 11:43 AM <Stephen_Bowes@nps.gov>, Dave
Steindorf
<dave@americanwhitewater.org>
cc
"Craig, Nancy"
<Nancy.Craig@hdrinc.com>, Patrick
Koepele <patrick@tuolumne.org>
Subject
RE: Boatable Flow Study

Hi all,
Thanks for your emails. We would like to schedule a call the week of July 8, please check your calendars and let us know if Monday or Tuesday of that week works.

Thank you,
Kelly

KELLY S BRICKER, PHD

HDR Engineering Inc.
Senior Scientist | Recreation Planner
2379 Gateway Oaks Drive, Suite 200 | Sacramento, CA 95883
: 916.206.3189 | O: 801.585.6503
Kelly.bricker@hdrinc.com | www.hdrinc.com

From: Stephen_Bowes@nps.gov [Stephen_Bowes@nps.gov]
Sent: Friday, June 15, 2012 12:38 PM
To: Dave Steindorf
Cc: Bricker, Kelly; Craig, Nancy; Patrick Koepele
Subject: Re: Boatable Flow Study

I agree.

Stephen M. Bowes
Hydropower Assistance Program
National Park Service
333 Bush Street, Suite 500
San Francisco, CA 94104
Phone: 415-623-2321
Fax: 415-623-2387

Dave Steindorf
<dave@americanwhitewater.org>
To
Stephen_Bowes@nps.gov
06/15/2012 11:27 AM cc
"Bricker, Kelly"
<Kelly.Bricker@hdrinc.com>, "Craig,
Nancy" <Nancy.Craig@hdrinc.com>,
Patrick Koepele
<patrick@tuolumne.org>
Subject
Re: Boatable Flow Study

It would be nice to have a call to discuss how it went.

Dave Steindorf
California Stewardship Director
American Whitewater
4 Baroni Drive
Chico, CA 95928
Office 530.343.1871
Cell 530.518.2729

Join or donate today!
www.americanwhitewater.org

On Jun 15, 2012, at 11:24 AM, Stephen_Bowes@nps.gov wrote:

Kelly,

Are you planning on a quick informal summary of the flow study?

Stephen M. Bowes
Hydropower Assistance Program
National Park Service
333 Bush Street, Suite 500
San Francisco, CA 94104
Phone: 415-623-2321
Fax: 415-623-2387

From: Patrick Koepele <patrick@tuolumne.org>
Sent: Friday, June 15, 2012 6:22 PM
To: Bricker, Kelly; Stephen_Bowes@nps.gov; 'Dave Steindorf'
Cc: Craig, Nancy; 'Jessie Raeder'
Subject: RE: Boatable Flow Study

Kelly - I will be out on vacation beginning July 7 through July 25th. I would very much like to be included.

Nancy Craig's email of 5/29 indicated that you would be organizing a meeting/conference call in June, not July, to discuss this study. I would appreciate it if you could offer some alternative dates.

Thanks,
Patrick

-----Original Message-----

From: Bricker, Kelly [mailto:Kelly.Bricker@hdrinc.com]
Sent: Friday, June 15, 2012 11:43 AM
To: Stephen_Bowes@nps.gov; Dave Steindorf
Cc: Craig, Nancy; Patrick Koepele
Subject: RE: Boatable Flow Study

Hi all,

Thanks for your emails. We would like to schedule a call the week of July 8, please check your calendars and let us know if Monday or Tuesday of that week works.

Thank you,
Kelly

KELLY S BRICKER, PHD

HDR Engineering Inc.

Senior Scientist | Recreation Planner

From: Sunil Rajappa <SRAJAPPA@dfg.ca.gov>
Subject: Re: SCP Amendemnts- Don Pedro Electrofishing
Date: June 23, 2012 8:01:29 PM PDT
To: Jason Guignard <jasonguignard@fishbio.com>
Cc: Andrea Fuller <andreafuller@fishbio.com>

Jason,
according to our database the permits were already issued:

Mike Phillips 3/16/2012
Jeremy Pombo 3/19/2012
Robert Fuller 3/13/2012
Timothy Leigh 3/16/2012
Scott Wucherer 3/16/2012

You may want to contact the License and Revenue Branch to see if they have the correct mailing address on file: 916-928-5846

Sunil

>>> Jason Guignard <jasonguignard@fishbio.com> 6/21/2012 10:36 AM >>>
Hi Sunil,

I wanted to check on the status of the SCP amendment package I submitted for the "Don Pedro Electrofishing Project".

This package was submitted on 1/10/12. Do you have a timeframe on when these will be completed, as the proposed sampling dates are quickly approaching.

The permittees were: Mike Phillips (SC-11434), Jeremy Pombo (SC-8035), Robert Fuller (SC-0911), Timothy Leigh (SC-11050), and Scott Wucherer (SC-10447).

Thank You

Jason Guignard
Fisheries Biologist

FISHBIO
jasonguignard@fishbio.com
O: (209) 847-6300
C: (209) 840-9019
www.fishbio.com

From: [Imholt, Susan](#)
To: [Alison Willy](#)
Cc: [Cranston, Peggy](#); [Eicher, James M](#); [Malkin, Devin](#); [Borovansky, Jenna](#)
Subject: FW: Don Pedro Project FERC Relicensing - CRLF and CTS reporting
Date: Friday, June 29, 2012 11:25:57 AM
Attachments: [CRLF and CTS tables.pdf](#)

Hello Alison,

I wanted to follow up on the below email regarding California red-legged frog and California tiger salamander site assessment reporting to confirm that our approach is acceptable to the FWS.

Also, is there an ESA contact at USFWS besides yourself who we should be coordinating with on this topic?

If you'd like to discuss by phone, just let me know a good time to call.

Thank you,
Susie

SUSAN IMHOLT

HDR Engineering, Inc.

Scientist - Wildlife, Fisheries, Botanical

601 Union St, Suite 700 | Seattle, WA 98101

206.826.4693 | c: 360.318.5333

susan.imholt@hdrinc.com | hdrinc.com

From: Imholt, Susan
Sent: Monday, May 14, 2012 1:50 PM
To: Alison Willy; 'Cranston, Peggy'; Eicher, James M
Cc: Malkin, Devin; Devine, John; Borovansky, Jenna
Subject: Don Pedro Project FERC Relicensing - CRLF and CTS reporting

Hello Alison, Peggy, and Jim,

Devin Malkin and I are beginning to draft the California red-legged frog (CRLF) and California tiger salamander (CTS) reports for the Don Pedro Project Relicensing. USFWS's 2005 guidance for CRLF states that site assessment reports should include individual CRLF Site Assessment datasheets, one datasheet per assessment location. For Don Pedro, we have over 350 assessment locations, over 200 of which are on private land where access has been denied by private landowners. Assessments at these locations will be conducted using aerial imagery instead of on-the-ground field assessments. We would like to report the information for sites that are assessed using aerial imagery using a tabular format, rather than submitting a datasheet for each of these 200+ locations. I have attached example tables showing this proposed approach for both the CRLF and CTS aerial assessment locations. The information in the tables is the same information as is on the datasheets.

Please let me know if you see any issues with our proposed approach.

Thank you,

SUSAN IMHOLT

HDR Engineering, Inc.

Scientist - Wildlife, Fisheries, Botanical

601 Union St, Suite 700 | Seattle, WA 98101

206.826.4693 | c: 360.318.5333

susan.imholt@hdrinc.com | hdrinc.com

Kent, Robin

From: Kent, Robin
Sent: Thursday, July 05, 2012 5:31 PM
To: 'Alison_Willy@fws.gov'
Cc: Devine, John; Borovansky, Jenna
Subject: Don Pedro Project: Potential VELB hole findings
Attachments: Slingshot.txt

AMServiceURLStr: https://Slingshot.hdrinc.com:443/CFSS/control?view=services/FTService
ssnow: Yes

[Download Slingshot file\(s\)](#) | New User? Click [here](#).

VELB047_habitat_062612_AF_RK.JPG; VELB009_holes(a)_062712_AF_RK.JPG;

Access Slingshot.hdrinc.com home page

Dear Alison:

Per the study plan for the Valley Elderberry Longhorn Beetle on the relicensing of the Don Pedro Project, we are to report to the USFWS when we located either VELB or VELB boreholes. Per this requirement, I am reporting to you an additional elderberry occurrence with potential boreholes that was located on the Project.

Occurrence #47: UTM: 4186520 727953

Photos: VELB 46_habitat and VELB 46_holes

I have enclosed photos of the elderberry occurrence. Please let me know if you have trouble opening the attachments.

All information required by the study plan about all elderberry plants with appropriate stems over 1 inch will be included in the study report.

If there is more information I can provide at this time about the study, the elderberry occurrences or the located potential boreholes, please let me know.

Thank you!

ROBIN KENT

HDR

Senior Scientist, Hydropower Services

2379 Gateway Oaks, Suite 200 | Sacramento, CA 95833

916.679.8733 | c: 530.220.4283

robin.kent@hdrinc.com | hdrinc.com



Please Think Before Printing

From: Jeffrey Jahn <jeffrey.jahn@noaa.gov>
Subject: Re: Section 10 permit #1282
Date: August 9, 2012 10:09:11 AM PDT
To: Jason Guignard <jasonguignard@fishbio.com>
Cc: AJ Keith <aj@stillwatersci.com>, Noah Hume <noah@stillwatersci.com>, Amanda Cranford <amanda.cranford@noaa.gov>

Thank you for the notification, when you can please fill out an incident report on APPS.

From,

Jeff

~~~~~  
Jeffrey Jahn  
Fishery Biologist ~  
Regional ESA Research & Enhancement Coordinator

NOAA's National Marine Fisheries Service  
Southwest Region, Protected Resources Division  
North Central Coast Office  
777 Sonoma Avenue, Room 325  
Santa Rosa, California 95404

Phone: 707-575-6097, Fax: 707-578-3435

"Our mission is to conserve and recover NOAA's National Marine Fisheries Service's trust resources and the ecosystems upon which they depend"

On Thu, Aug 9, 2012 at 9:10 AM, Jason Guignard <[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)> wrote:  
Hi Jeffrey,

I wanted to notify you that we exceeded the authorized take of adult O. mykiss on the Tuolumne River electrofishing project that we are working on with Stillwater Sciences. Noah Hume and AJ Keith are both out of the office today, so wanted to make sure you were notified of this take within the 2 day period.

A single O. mykiss (309 mm) was captured and released in good condition. We have suspended the remainder of our sampling, as there was no take of adults authorized.

Thank You,  
Jason

---

Jason Guignard  
Fisheries Biologist

***FISHBIO***

[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)

O: (209) 847-6300

C: (209) 840-9019

[www.fishbio.com](http://www.fishbio.com)

---

**From:** Bricker, Kelly [<mailto:Kelly.Bricker@hdrinc.com>]  
**Sent:** Tuesday, August 28, 2012 7:30 AM  
**To:** Bricker, Kelly; [Barbara.Rice@nps.gov](mailto:Barbara.Rice@nps.gov); [REDACTED]; Harry Williamson; [jessie@tuolumne.org](mailto:jessie@tuolumne.org); [jhorn@blm.gov](mailto:jhorn@blm.gov); [patrick@tuolumne.org](mailto:patrick@tuolumne.org); [peter@tuolumne.org](mailto:peter@tuolumne.org); [george@tuolumne.org](mailto:george@tuolumne.org); Craig, Nancy; Paquette, Matthew; [Stephen.Bowes@nps.gov](mailto:Stephen.Bowes@nps.gov)  
**Cc:** [scott@nps.gov](mailto:scott@nps.gov); [rivers@nps.gov](mailto:rivers@nps.gov); [arta@nps.gov](mailto:arta@nps.gov); [info@nps.gov](mailto:info@nps.gov); [smrt@mlode.com](mailto:smrt@mlode.com); [bill@nps.gov](mailto:bill@nps.gov); [sue@nps.gov](mailto:sue@nps.gov); [raft@nps.gov](mailto:raft@nps.gov); [ferc@nps.gov](mailto:ferc@nps.gov); [zrafting@nps.gov](mailto:zrafting@nps.gov); [chris@nps.gov](mailto:chris@nps.gov); [bpittman@fs.fed.us](mailto:bpittman@fs.fed.us); [jhilson@fs.fed.us](mailto:jhilson@fs.fed.us); [marycross@fs.fed.us](mailto:marycross@fs.fed.us); [dfoote@fs.fed.us](mailto:dfoote@fs.fed.us); [lcphillips@fs.fed.us](mailto:lcphillips@fs.fed.us); [jasminecjackson@fs.fed.us](mailto:jasminecjackson@fs.fed.us); [chimpson@fs.fed.us](mailto:chimpson@fs.fed.us); [jmera@fs.fed.us](mailto:jmera@fs.fed.us); [paul.martzer@fs.fed.us](mailto:paul.martzer@fs.fed.us); [romani218@fs.fed.us](mailto:romani218@fs.fed.us); [carussell@tid.org](mailto:carussell@tid.org); [picturethis@tid.org](mailto:picturethis@tid.org); [Gregg@tid.org](mailto:Gregg@tid.org); [Greg.Stock@nps.gov](mailto:Greg.Stock@nps.gov); [Roger.Farmer@nps.gov](mailto:Roger.Farmer@nps.gov); [drjigour@tid.org](mailto:drjigour@tid.org); [james@tid.org](mailto:james@tid.org); [tylerw@tid.org](mailto:tylerw@tid.org); [tyras@tid.org](mailto:tyras@tid.org); [HotelCharlotte@tid.org](mailto:HotelCharlotte@tid.org); [cindy@tid.org](mailto:cindy@tid.org); [peggy@tid.org](mailto:peggy@tid.org); [jacarkeet@tid.org](mailto:jacarkeet@tid.org); [angrechko@ucdavis.edu](mailto:angrechko@ucdavis.edu); [jkmargid@ucdavis.edu](mailto:jkmargid@ucdavis.edu); [beobob@ucdavis.edu](mailto:beobob@ucdavis.edu); [mecraig@fs.fed.us](mailto:mecraig@fs.fed.us); [rnstanley@fs.fed.us](mailto:rnstanley@fs.fed.us); [Jim.Roche@nps.gov](mailto:Jim.Roche@nps.gov); [mbe@nps.gov](mailto:mbe@nps.gov); [elisabethh@nps.gov](mailto:elisabethh@nps.gov); [vshumway@fs.fed.us](mailto:vshumway@fs.fed.us); [gdvaughn@fs.fed.us](mailto:gdvaughn@fs.fed.us); [brooksbyrant@fs.fed.us](mailto:brooksbyrant@fs.fed.us); [mdowd@fs.fed.us](mailto:mdowd@fs.fed.us); [brucemcgurk@fs.fed.us](mailto:brucemcgurk@fs.fed.us); Klein, John; Williams, Mike; Evans, Robert; [Scott@mcbaintrush.com](mailto:Scott@mcbaintrush.com); [mount@geology.ucdavis.edu](mailto:mount@geology.ucdavis.edu); [jer@nps.gov](mailto:jer@nps.gov); [fwmonier@tid.org](mailto:fwmonier@tid.org); [daveb@mid.org](mailto:daveb@mid.org); [billk@mid.org](mailto:billk@mid.org); [tylerw@mid.org](mailto:tylerw@mid.org); Bricker, Kelly; Craig, Nancy  
**Subject:** Lower Tuolumne Flow Study-September 29-October 1

## **\*Upcoming Boater Survey Period from September 29 – October 1\***

### **Volunteers Needed!**

### **Lower Tuolumne Lowest Boatable Flow Study from LaGrange to Turlock Lake State Recreation Area**

Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) are the co-licensees of the Don Pedro Hydroelectric Project (FERC No. 2299). The current license to operate the Don Pedro Project will expire on April 30, 2016, and the Districts are in the process of obtaining a new license to operate from the Federal Energy Regulatory Commission (FERC). The Districts plan to apply for a new license no later than April 30, 2014 and are engaged in a comprehensive suite of 35 environmental and related studies in support of their license application. Information about the Don Pedro Relicensing is available at: [www.donpedro-relicensing.com](http://www.donpedro-relicensing.com).

One of the studies being conducted is a Lowest Boatable Flow Study on the Lower Tuolumne from the Old LaGrange Bridge to the Turlock Lake State Recreation Area (approximately 8.5 miles). The primary goal of the study is to determine if the Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available. Based on information collected to date, an on-water volunteer study focused on the reach from the Old LaGrange Bridge to the Turlock Lake State Recreation Area will provide useful information on lowest boatable flows while also maximizing the productivity of volunteer participation.

We are seeking participation from boaters in a variety of non-motorized watercraft – canoes, kayaks, drift rafts, etc.

The Districts will be present at Turlock State Recreation Area with a boater survey to be completed by each participant, based on the following schedule\*:

Saturday, September 29 – study flow of 100 cfs (10 am - 4 pm)

Sunday, September 30 – study flow to be determined based on Saturday's results (10 am - 4 pm)

Monday, October 1 - flow at 150 cfs (10 am - 4 pm) – if needed

**\*This flow schedule is subject to change. We will communicate with boaters who volunteer about any schedule changes that affect the study.**

We ask that boaters run the reach at least two times to determine the lowest boatable flow.

If you are available to volunteer for this important study, please contact Kelly Bricker at 916-206-3189 or [kelly.bricker@hdrinc.com](mailto:kelly.bricker@hdrinc.com). Please forward to others you know who may be interested in participating. We will appreciate hearing from you by Friday, September 21 to assist us in our planning.

Please feel free to pass this along to any boaters you feel can participate in this study.

**From:** Malkin, Devin  
**To:** ["alison\\_willy@fws.gov"](mailto:alison_willy@fws.gov)  
**Cc:** [Malkin, Devin](#)  
**Subject:** FW: Don Pedro Project FERC Relicensing - CRLF and CTS reporting  
**Date:** Wednesday, August 29, 2012 9:40:38 AM  
**Attachments:** [CRLF and CTS tables.pdf](#)

---

Hello Alison – Thanks for your recent phone call regarding Don Pedro amphibian reporting. As discussed, we’re proposing a tabular approach to providing site assessment data in our technical reports – see attached and below. Can you confirm that this approach will work for FWS? Additionally, do you know who will be assigned to Don Pedro moving forward? Thanks much for your help!

-dm

|                     |                                                                                                                                                                                                                                                                                                       |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DEVIN MALKIN</b> | <b>HDR Engineering, Inc.</b><br>Regulatory and Environmental Services Manager<br><br>601 Union Street, Suite 700   Seattle WA 98101<br>Cell: 425.306.1957   Office: 206.826.4758<br><a href="mailto:devin.malkin@hdrinc.com">devin.malkin@hdrinc.com</a>   <a href="http://hdrinc.com">hdrinc.com</a> |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

---

**From:** Imholt, Susan  
**Sent:** Friday, June 29, 2012 11:26 AM  
**To:** Alison Willy  
**Cc:** Cranston, Peggy; Eicher, James M; Malkin, Devin; Borovansky, Jenna  
**Subject:** FW: Don Pedro Project FERC Relicensing - CRLF and CTS reporting

Hello Alison,

I wanted to follow up on the below email regarding California red-legged frog and California tiger salamander site assessment reporting to confirm that our approach is acceptable to the FWS.

Also, is there an ESA contact at USFWS besides yourself who we should be coordinating with on this topic?

If you’d like to discuss by phone, just let me know a good time to call.

Thank you,  
Susie

|                     |                                                                                                                                                                 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SUSAN IMHOLT</b> | <b>HDR Engineering, Inc.</b><br>Scientist - Wildlife, Fisheries, Botanical<br><br>601 Union St, Suite 700   Seattle, WA 98101<br>206.826.4693   c: 360.318.5333 |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|



---

**From:** Imholt, Susan  
**Sent:** Monday, May 14, 2012 1:50 PM  
**To:** Alison Willy; 'Cranston, Peggy'; Eicher, James M  
**Cc:** Malkin, Devin; Devine, John; Borovansky, Jenna  
**Subject:** Don Pedro Project FERC Relicensing - CRLF and CTS reporting

Hello Alison, Peggy, and Jim,

Devin Malkin and I are beginning to draft the California red-legged frog (CRLF) and California tiger salamander (CTS) reports for the Don Pedro Project Relicensing. USFWS's 2005 guidance for CRLF states that site assessment reports should include individual CRLF Site Assessment datasheets, one datasheet per assessment location. For Don Pedro, we have over 350 assessment locations, over 200 of which are on private land where access has been denied by private landowners. Assessments at these locations will be conducted using aerial imagery instead of on-the-ground field assessments. We would like to report the information for sites that are assessed using aerial imagery using a tabular format, rather than submitting a datasheet for each of these 200+ locations. I have attached example tables showing this proposed approach for both the CRLF and CTS aerial assessment locations. The information in the tables is the same information as is on the datasheets.

Please let me know if you see any issues with our proposed approach.

Thank you,

**SUSAN IMHOLT**

**HDR Engineering, Inc.**

Scientist - Wildlife, Fisheries, Botanical

601 Union St, Suite 700 | Seattle, WA 98101

206.826.4693 | c: 360.318.5333

[susan.imholt@hdrinc.com](mailto:susan.imholt@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

**From:** Dustin Harrison <[DHARRISON@dfg.ca.gov](mailto:DHARRISON@dfg.ca.gov)>

**Subject:** Re: Don Pedro and La Grange SCP

**Date:** September 21, 2012 10:53:27 AM PDT

**To:** Jason Guignard <[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)>

Hi Jason,

We received the amendments and are reviewing them now.

Thank you,

Dustin Harrison

>>> Jason Guignard <[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)> 9/21/2012 7:16 AM >>>

Hi Dustin,

i was hoping to confirm that you had received the SCP amendment applications for Mike Phillips, Jeremy Pombo, robert Fuller, and Timothy Leigh. These were mailed last week requesting approval to sample Don Pedro reservoir as part of the FERC relicensing process.

Thank You

-----

Jason Guignard  
Fisheries Biologist

**FISHBIO**

[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)

O: (209) 847-6300

C: (209) 840-9019

[www.fishbio.com](http://www.fishbio.com)

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On Sep 14, 2012, at 8:23 AM, Jason Guignard wrote:

Dustin,

Attached are electronic copies of the 4 SCP amendments for Don Pedro electrofishing.

I just noticed that the end date for sampling in 9/30/2012, as these were originally submitted in January and we were planning to be done with sampling by this date. As our sampling is now delayed, could you please adjust these amendments to allow sampling through 11/30/12.

Thank You,

Jason

<Phillips amendment copy 2.pdf>

<Pombo amendment copy 2.pdf>  
<R. Fuller amendment copy 2.pdf>  
<T. Leigh amendment copy 2.pdf>

---

Jason Guignard  
Fisheries Biologist

**FISHBIO**  
[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)  
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C: (209) 840-9019  
[www.fishbio.com](http://www.fishbio.com)

---

On Sep 13, 2012, at 4:14 PM, Dustin Harrison wrote:

Yes.

>>> Jason Guignard <[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)> 9/13/2012 4:03 PM >>>

Dustin,

I have resubmitted these SCP amendments for Jeremy Pombo, Timothy Leigh, Robert Fuller, and Mike Phillips. You should be receiving these tomorrow. Can you please confirm that you receive them, and expedite as possible.

Thank You,  
Jason

---

Jason Guignard  
Fisheries Biologist

**FISHBIO**  
[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)  
O: (209) 847-6300  
C: (209) 840-9019  
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---

On Sep 12, 2012, at 1:52 PM, Dustin Harrison wrote:

Jason,

Per your request, the following locations were obtained from searching through validated permits in our database for each applicant. I copied the location for you and your colleagues' reference; it does not give permission to sample. A stamped permit from LRB must be obtained prior to conducting sampling.

Mike Phillips - The reach between Don Pedro and La Grange Diversion Dam

Robert Fuller - Tuolumne River between the confluence and La Grange Dam

Timothy Leigh - La Grange Reservoir (between La Grange Dam and Don Pedro Dam), Stanislaus County

Scott Wucherer - La Grange Reservoir (between La Grange Dam and Don Pedro Dam), Stanislaus County

Jeremy Pombo - The nine seining sites on the Tuolumne River are located between La Grange Dam (RM 52.2; -120.44441, 37.67180) and Shiloh Road (RM 3.4; -121.13420, 37.60328)

Please contact LRB for an electronic copy.

Dustin

-----Original Message-----

From: Tim Heyne [<mailto:theyne@dfg.ca.gov>]  
Sent: Thursday, October 18, 2012 4:55 PM  
To: Maia Singer  
Cc: Rachel Barnett-Johnson  
Subject: Re: Tuolumne River otolith spreadsheet assistance?

Maia

Sorry this has taken - oh so much longer than I want. And I don't think I have all the info I need from Crystal yet. Look at attached spreadsheet. "wild" chinook that we have otoliths are in the column highlighted with cyan. What years would you want to choose under this scenario.

Tim Heyne <'>>>>>>>><  
Senior Scientist  
Tuolumne River Restoration Center  
California Dept. of Fish and Game  
P.O. Box 10, La Grange, CA 95329  
(209) 853-2533 Fax:(209) 853-9017

[theyne@dfg.ca.gov](mailto:theyne@dfg.ca.gov)

>>> Maia Singer <[maia@stillwatersci.com](mailto:maia@stillwatersci.com)> 9/21/2012 3:45 PM >>>

Hi Tim,

Just checking in to see if you need us to help sort through the otolith spreadsheets and move the inventory process along a bit. Let me know how we can help!

Have a good weekend.

Maia

Maia Singer  
Senior Scientist/Water Quality Specialist office 510-848-8098 x122 [maia@stillwatersci.com](mailto:maia@stillwatersci.com)

Stillwater Sciences  
2855 Telegraph Avenue, Suite 400, Berkeley, CA 94705  
tel 510-848-8098 fax 510-848-8398  
[www.stillwatersci.com](http://www.stillwatersci.com) <<http://www.stillwatersci.com/>>

Find out about what's new at Stillwater.

<[http://www.stillwatersci.com/new\\_and\\_notable.php](http://www.stillwatersci.com/new_and_notable.php)>

Stillwater Sciences is a Federal and California state woman-owned, small business.

From: Craig, Nancy  
Sent: Friday, November 16, 2012 10:08 AM  
To: 'Patrick Koepele'  
Cc: scott [REDACTED] rivers [REDACTED] arta [REDACTED] Paquette, Matthew; Stephen\_Bowes@nps.gov; george [REDACTED] BHackamack [REDACTED] peter@tuolumne.org; jhorn@blm.gov; Barbara\_Rice@nps.gov; Bricker, Kelly; info [REDACTED] smrt@mlode.com; bill [REDACTED] sue [REDACTED] jessie@tuolumne.org; raft [REDACTED]; 'Dave Steindorf'; ferg [REDACTED] 'Harry Williamson'; zrafting [REDACTED] chris [REDACTED] bpittman@fs.fed.us; jhilson@fs.fed.us; marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us; jasminecjackson [REDACTED] chimpson [REDACTED] jmera [REDACTED]; paul\_martzen [REDACTED] romani218 [REDACTED]; carussell@tid.org; picturethis [REDACTED] Gregg [REDACTED]; Greg\_Stock@nps.gov; Roger\_Farmer@nps.gov; drjigour@tid.org; marty [REDACTED] james [REDACTED] tylerw [REDACTED] tyras [REDACTED] HotelCharlotte [REDACTED]; cindy [REDACTED] peggy [REDACTED]; jacarkeet@tid.org; angrechko@ucdavis.edu; jkmargid@ucdavis.edu; beobob [REDACTED]; mecraig@fs.fed.us; rstanley@fs.fed.us; [REDACTED] Jim\_Roche@nps.gov; mbc [REDACTED] elisabethb [REDACTED] vshumway@fs.fed.us; gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us; mdowd@fs.fed.us; bruce mcgurk [REDACTED] Klein, John; Williams, Mike; 'Evans, Robert'; Scott@mcbaintrush.com; mount@geology.ucdavis.edu; jer [REDACTED] fwmonier@tid.org; daveb@mid.org; billk@mid.org; tylerw [REDACTED] 'Bridgman, Roy E -FS'; sholdeman@fs.fed.us; 'Eric Wesselman'  
Subject: RE: Lower Tuolumne Flow Study-September 29-October 1

Patrick,

Thank you for your e-mail and efforts related to this study. Also, let me please point out that your sense of what the study plan requires is not consistent with the actual FERC-approved plan. For example, contrary to your comment, the approved study plan does not state that the volunteer boating effort of the study will be conducted along the entire 52 miles of the Tuolumne River from La Grange to the San Joaquin River. Rather, the study plan identifies the 52 mile reach as the study area, includes summarizing existing recreation information in the study area, summarizing existing hydrologic information and operational constraints in the study area, and, finally, using volunteers to float pre-selected reaches at various controlled flows (Lower Tuolumne River Lowest Boatable Flow Study Plan, Section 5.3.1, Step 3).

The FERC-approved study plan includes several steps and sources of information to be used to identify the lowest flow that can provide adequate non-motorized, recreational river boating opportunities on the lower Tuolumne River: 1) use existing recreation information, where possible; 2) assess river boating; 3) determine the number of days by month at or above the minimum boatable flow for non-motorized river boating opportunities (e.g., rafting, kayaking, and canoeing) under current project operations; 4) determine operational constraints related to

providing flows for boating opportunities; 5) identify currently used put-in and take-out locations for river boating between La Grange dam and the confluence with the San Joaquin River; and 6) evaluate the adequacy of flow information (i.e., availability, reliability, and real-time access).

As the Districts' consultant hired to conduct this study, HDR Engineering has communicated with you and other relicensing participants and regional river recreation enthusiasts via numerous emails seeking existing information and knowledge about the Lower Tuolumne and scheduling volunteer boater field efforts. Specifically related to conducting the volunteer field effort, after your feedback that the you did not have sufficient time to coordinate volunteers for the May 30-June 1 field effort, we scheduled a second field effort for September 29-October 1 with 32 days' notice to you and other potential participants, only to hear from you three days before the scheduled field effort that Tuolumne River Trust had another event planned for that weekend.

The volunteer boater effort is one component of the approved study plan. We have also gathered information about Lower Tuolumne River boating from local boating enthusiasts, residents, and other persons identified with local boating and recreational knowledge, to the degree these people have responded to emails and/or participated in the volunteer boating efforts. We also participated in three legs of the Paddle to the Sea this year where we heard trip leaders and others first-hand about the reaches from Waterford to Riverdale. As will be fully presented in the study report, we have collected more than enough information to address the primary study goal of determining "if the Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available" (Lower Tuolumne River Lowest Boatable Flow Study Plan, Section 3.0).

You are correct that we once proposed a conference call as suggested by Dave Steindorf (American Whitewater) to discuss how the May 30-June 1 volunteer boating field effort went; however, it was not a required element of the approved study plan. Ultimately, no agreed-upon date was ever identified. The conference call was not a requirement and the study has proceeded in accordance with the study plan.

Regarding your recommendation that the guidelines and protocols in "Flows and Recreation: A Guide to Studies for River Professional be used in conducting the boatable flow studies, it is important to note that the Lower Tuolumne River Lowest Boatable Flow Study has been conducted to follow the site-specific study plan that was developed in consultation with relicensing participants and approved by FERC.

The results and findings of the Lower Tuolumne River Lowest Boatable Flow Study will be fully presented for review and consideration by relicensing participants in the Initial Study Report (ISR) to be filed with FERC and relicensing participants by January 17, 2013. Study results will be discussed at the Initial Study Report Meeting scheduled for January 30 and 31, with the detailed agenda to be developed and distributed in the coming weeks. We hope to see you then, if not before.

Sincerely,  
NANCY CRAIG  
HDR Engineering, Inc.  
Project Manager, Hydropower Services

1825 N. Tegner St. | Wickenburg, AZ 85390  
928.273.5772  
nancy.craig@hdrinc.com

From: Patrick Koepele [mailto:patrick@tuolumne.org]  
Sent: Wednesday, September 26, 2012 5:43 PM  
To: Bricker, Kelly; Barbara\_Rice@nps.gov; BHackamack [REDACTED] 'Harry Williamson';  
jessie@tuolumne.org; jhorn@blm.gov; peter@tuolumne.org; george [REDACTED] Craig, Nancy;  
Paquette,  
Matthew; Stephen\_Bowes@nps.gov  
Cc: scott [REDACTED] rivers [REDACTED] arta [REDACTED] info [REDACTED];  
smrt@mlode.com;  
bil [REDACTED] sue [REDACTED] raft [REDACTED]; ferg [REDACTED];  
zrafting [REDACTED]; chris [REDACTED] bpittman@fs.fed.us; jhilton@fs.fed.us;  
marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us; jasminecackson [REDACTED]  
chimpson [REDACTED] jmera [REDACTED] paul\_martzer [REDACTED]  
romani218 [REDACTED]; carussell@tid.org; picturethis [REDACTED] net; Gregg [REDACTED];  
Greg\_Stock@nps.gov; Roger\_Farmer@nps.gov; drjigour@tid.org; marty [REDACTED];  
jamesr@oars.com; tylerw [REDACTED]; tyra [REDACTED] HotelCharlotte [REDACTED] cindy [REDACTED]  
peggy [REDACTED]; jacarkeet@tid.org; angrechko@ucdavis.edu; jkmargid@ucdavis.edu;  
beobob [REDACTED] mecraig@fs.fed.us; rstanley@fs.fed.us; [REDACTED]  
Jim\_Roche@nps.gov; mbc [REDACTED] elisabeth [REDACTED] vshumway@fs.fed.us;  
gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us; mdowd@fs.fed.us; bruce mcgirk [REDACTED] Klein,  
John; Williams, Mike; 'Evans, Robert'; Scott@mcbaintrush.com; mount@geology.ucdavis.edu;  
jer [REDACTED] fwmonier@tid.org; daveb@mid.org; billk@mid.org; tylerw [REDACTED]; Craig,  
Nancy; 'Bridgman, Roy E -FS'; sholdeman@fs.fed.us; 'Eric Wesselman'  
Subject: RE: Lower Tuolumne Flow Study-September 29-October 1

Kelly,

The Tuolumne River Trust has another event planned this weekend and so we cannot help recruit volunteers for the boatable flow study.

I continue to be very concerned that the implementation of this study does not conform with the approved study plan. In an email on May 26, I conveyed that the study appears to vary from the approved plan in a number of ways.

Notably, the approved study plan defines the study area as being the entire 52 river miles from La Grange to the confluence with the San Joaquin River. You only propose to float the 8 ½ miles from La Grange to Turlock Lake State Park in this controlled experiment and I am not aware of any plans to float additional sections in the future.

I also believe the study would be more successful with greater upfront coordination with stakeholders. The Trust has the ability to recruit a number of volunteers to assist with this effort and yet to date we have not been contacted to discuss the effort. Indeed, for the spring dates for this study, despite any upfront coordination on dates and plans, on relatively short notice, the Trust turned out approximately 8 individuals willing to help with the studies. I believe there were few, if any additional



volunteers who paddled in the spring.

The study plan describes conducting interviews with individuals with expert knowledge about the river conditions early in the study implementation. To my knowledge, no interviews were conducted prior to the spring study dates, and I am still unaware of any such interviews, except with those individuals who were able to participate in the spring flow dates. In mid-June, the districts had proposed a conference call during the week of July 8th to discuss how the spring boatable flow studies went and to plan for any fall flow experiments. However, the districts never identified a date and no such conference call ever occurred. This is unfortunate as it would have been very useful in preparing for any fall flow studies.

I continue to encourage better upfront coordination to ensure a successful boatable flow study. At a minimum it would help with turnout in improve your ability to study the entire lower Tuolumne River.

One final point – the National Park Service and Hydropower Reform Coalition published a report in Oct 2005, “Flows and Recreation: A Guide to Studies for River Professionals.” I recommend that the guidelines and protocols described in this report be used in conducting the boatable flow studies and I have attached it here for your reference.

-Patrick

-----  
Patrick Koepele  
Deputy Executive Director  
Tuolumne River Trust  
209-588-8636  
-----

From: Bricker, Kelly [mailto:Kelly.Bricker@hdrinc.com]  
Sent: Tuesday, August 28, 2012 7:30 AM  
To: Bricker, Kelly; Barbara\_Rice@nps.gov; BHackamack@frontier.com; Harry Williamson;  
jessie@tuolumne.org; jhorn@blm.gov; patrick@tuolumne.org; peter@tuolumne.org;  
george[REDACTED];  
Craig, Nancy; Paquette, Matthew; Stephen\_Bowes@nps.gov  
Cc: scott[REDACTED] rivers[REDACTED] arta[REDACTED] info[REDACTED]  
smrt@mlode.com;  
bil[REDACTED] [REDACTED] com; raft[REDACTED]; ferg[REDACTED];  
zrafting[REDACTED] chris[REDACTED] bpittman@fs.fed.us; jhilson@fs.fed.us;  
marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us; jasminecackson[REDACTED]  
chimpson[REDACTED] jmera[REDACTED] paul\_martzer[REDACTED]  
romani218[REDACTED]; carussell@tid.org; picturethis[REDACTED] Gregg[REDACTED];  
Greg\_Stock@nps.gov; Roger\_Farmer@nps.gov; drjigour@tid.org; marty[REDACTED];  
james[REDACTED] tylerw[REDACTED]; tyras[REDACTED] HotelCharlotte[REDACTED] cindy[REDACTED]  
peggy[REDACTED]; jacarkeet@tid.org; angrechko@ucdavis.edu; jkmargid@ucdavis.edu;  
beobob[REDACTED] mecraig@fs.fed.us; rstanley@fs.fed.us; [REDACTED]  
Jim\_Roche@nps.gov; mbc[REDACTED] elisabeth[REDACTED] vshumway@fs.fed.us;  
gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us; mdowd@fs.fed.us; brucemcgurk[REDACTED] Klein,

From: Craig, Nancy  
Sent: Friday, November 16, 2012 9:55 AM  
To: 'Stephen\_Bowes@nps.gov'  
Cc: Bricker, Kelly  
Subject: RE: fall meetings?

Steve,

Thank you for your continuing interest in and attention to the Don Pedro relicensing studies. With regard to the next meeting opportunity, given that there is currently so much effort being directed at completing the draft study reports and that the Initial Study Report document will be filed with FERC and relicensing participants by January 17, 2013, the next time to meet will probably be at the Initial Study Report Meeting which is scheduled for January 30 and 31. A detailed agenda is being developed for the ISR Meeting and will be distributed in the coming weeks. This schedule provides an opportunity for relicensing participants to review the study results before discussion with the Districts during the Initial Study Report meeting. We'll plan to see you then.

Sincerely,

NANCY CRAIG

HDR Engineering, Inc.

Project Manager, Hydropower Services

nancy.craig@hdrinc.com

----- Original Message -----

From: Stephen\_Bowes@nps.gov [mailto:Stephen\_Bowes@nps.gov]  
Sent: Wednesday, November 14, 2012 12:38 PM  
To: Bricker, Kelly  
Subject: Re: fall meetings?

Kelly,

Can we set up these two calls in December?

Stephen M. Bowes  
Hydropower Assistance Program  
National Park Service  
333 Bush Street, Suite 500  
San Francisco, CA 94104  
Phone: 415-623-2321  
Fax: 415-623-2387

Stephen  
Bowes/OAKLAND/NPS

To

10/24/2012 03:01 PM "Bricker, Kelly"  
<Kelly.Bricker@hdrinc.com>

cc

Subject

fall meetings?(Document link:  
Stephen Bowes)

Kelly, I recently talked to Marty at SierraMac and he was wondering about progress on the Wards Ferry study. Do you think we can set up a call for all the folks that came out to the meeting last spring? I'd also like to get a call going for an end of the summer Lower Tuolumne boating flow study update.

Stephen M. Bowes  
Hydropower Assistance Program  
National Park Service  
333 Bush Street, Suite 500  
San Francisco, CA 94104  
Phone: 415-623-2321  
Fax: 415-623-2387

**From:** [Steve Pavich](#)  
**To:** [jbond@modestogov.com](mailto:jbond@modestogov.com)  
**Cc:** [Borovansky, Jenna](#); [Greg Dias](#); [Duane Paul](#)  
**Subject:** Don Pedro Relicensing - City of Modesto data  
**Date:** Tuesday, November 20, 2012 11:11:31 AM

---

Hi Jack,

I wanted to follow-up with you regarding our October 19 meeting where we discussed the Don Pedro project and its relationship to the City of Modesto municipal water supplies. I believe there were a number of data sources or other information you were going to look into and provide. I reviewed my notes and here are some that I identified:

- Engineers Report, Appendix C: [I found this online]
- Average cost data for current water supplies (Question #4 on my original list): This is where I believe you referenced a legal analysis that looked at the relative tradeoff costs between Don Pedro surface water supplies and groundwater.
- Water treatment costs (Question 5): I believe this only applies to groundwater since surface water supplies are treated before being delivered to the City.
- Volume of water delivered/used by type of water use - residential, commercial, and industrial (Question 9).
- Economic studies (Question 12): Studies prepared by UOP for both the City of Modesto treatment plant project and the TID surface water project.

Those are the items I had in my notes, but feel free to pass along anything else that you feel might be useful and relevant. Please let me know if you have any questions.

Thanks,  
Steve

**Steve Pavich**  
SENIOR PROJECT ECONOMIST  
CARDNO ENTRIX



Phone (+1) 916-923-1097 Fax (+1) 916-386-3841 Direct (+1) 916-386-3842  
Address 701 University Avenue, Suite 200, Sacramento, CA 95825 USA  
Email [steve.pavich@cardno.com](mailto:steve.pavich@cardno.com) Web [www.cardno.com](http://www.cardno.com) - [www.cardnoentrix.com](http://www.cardnoentrix.com)

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From: Stephen\_Bowes@nps.gov  
Sent: Thursday, November 29, 2012 4:42 PM  
To: Craig, Nancy  
Cc: angrechko@ucdavis.edu; arta [REDACTED] Barbara\_Rice@nps.gov;  
beobob [REDACTED] BHackamack [REDACTED];  
bill [REDACTED] billk@mid.org; bpittman@fs.fed.us;  
brooksbyrant@fs.fed.us; brucemcgurk [REDACTED] carussell@tid.org;  
chimpson [REDACTED] chris [REDACTED]; cindy [REDACTED]; 'Dave  
Steindorf'; daveb@mid.org; dfoote@fs.fed.us; [REDACTED]  
drjigour@tid.org; elisabethb [REDACTED]; 'Eric Wesselman';  
ferg [REDACTED] fwmonier@tid.org; gdvaughn@fs.fed.us;  
george [REDACTED]; Gregg [REDACTED] Greg\_Stock@nps.gov; 'Harry  
Williamson'; HotelCharlotte [REDACTED]; info [REDACTED]  
jacarkeet@tid.org; james [REDACTED] jasminecackson [REDACTED];  
jen [REDACTED] jessie@tuolumne.org; jhilton@fs.fed.us;  
jhorn@blm.gov; Jim\_Roche@nps.gov; jkmargid@ucdavis.edu;  
jmera [REDACTED] Klein, John; Bricker, Kelly; lcphillips@fs.fed.us;  
marty [REDACTED]; marycross@fs.fed.us; Paquette, Matthew;  
mb [REDACTED]; mdowd@fs.fed.us; mecraig@fs.fed.us; Williams, Mike;  
mount@geology.ucdavis.edu; Patrick Koepele; paul\_martzer [REDACTED];  
peggy [REDACTED]; peter@tuolumne.org; picturethis [REDACTED]  
raft [REDACTED]; 'Bridgman, Roy E -FS'; rivers [REDACTED];  
rstanley@fs.fed.us; 'Evans, Robert'; Roger\_Farmer@nps.gov;  
romani218 [REDACTED]; scott [REDACTED]; sholdeman@fs.fed.us;  
smrt@mlode.com; sue [REDACTED]; tylerw [REDACTED]  
tyras [REDACTED]; vshumway@fs.fed.us; zrafting [REDACTED];  
hbwillia44 [REDACTED]  
Subject: RE: Lower Tuolumne Flow Study-September 29-October 1

Nancy,

I would like to point out that while conference calls are not specifically scheduled in the study plan every other relicensing I have ever worked on has regular meetings and calls before, during, and long after the studies in order to foster a spirit of collaboration. Myself and others have been very concerned about the lack of interest on this relicensing in following that standard model. Kelly Bricker made a commitment to me several months ago that we will have calls to talk about the studies that took place this summer on the Lower Tuolumne and at Wards Ferry. I'm expecting these calls to happen soon and suggest that we involve as many people as possible by coordinating the date and time on-line using a service like Meeting Wizard.

Stephen M. Bowes  
Hydropower Assistance Program  
National Park Service  
333 Bush Street, Suite 500  
San Francisco, CA 94104  
Phone: 415-623-2321  
Fax: 415-623-2387

**From:** [Lane Menezes](#)  
**To:** ["Steve Pavich"](#)  
**Cc:** [Borovansky, Jenna](#)  
**Subject:** RE: Don Pedro Relicensing - land values  
**Date:** Friday, November 30, 2012 2:36:06 PM

---

Hello Steve,  
You are welcomed to send me the questions to review.

Lane L. Menezes  
The Ranch Realtor  
PMZ Commercial-Ranch RE  
1500 Fulkerth Road  
Turlock CA 95380  
209-985-1234 cell

---

**From:** Steve Pavich [mailto:[steve.pavich@cardno.com](mailto:steve.pavich@cardno.com)]  
**Sent:** Friday, November 30, 2012 2:06 PM  
**To:** [lmenezes@pmz.com](mailto:lmenezes@pmz.com)  
**Cc:** Borovansky, Jenna  
**Subject:** Don Pedro Relicensing - land values

Hi Lane -

I am working on an economic study in support of the Don Pedro Relicensing project with MID/TID. One of the topics covered in the study is land values, specifically, how the Don Pedro Project affects land values in the region. One action item I have on this topic is to coordinate with local appraisers, lenders, and real estate agents to obtain relevant information that I can incorporate into the study. At one of our recent presentations in Modesto, Bill Lyons suggested that I contact you as a potential source of information. Would you be amenable to talking with me at some point about land values in the region where we could work through a list of questions I have developed. To facilitate the discussion, I can pass along the questions in advance. Please let me know.

Thank you,  
Steve

**Steve Pavich**  
SENIOR PROJECT ECONOMIST  
CARDNO ENTRIX



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Address 701 University Avenue, Suite 200, Sacramento, CA 95825 USA  
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From: Bowes, Stephen <stephen\_bowes@nps.gov>  
Sent: Friday, January 11, 2013 4:37 PM  
To: Craig, Nancy  
Subject: Re: Don Pedro Initial Study Report 2-Day Meeting AGENDA January 30-31, 2013

Thanks Nancy, I appreciate that. I just wanted to make sure we have enough time to adequately address the issues.

On Fri, Jan 11, 2013 at 9:23 AM, Craig, Nancy <Nancy.Craig@hdrinc.com> wrote:

Hello Steve,

I hope 2013 is off to a good start for you. Thank you for your email about the upcoming Don Pedro Initial Study Report Meeting. We have a lot of studies to cover in the two day ISR meeting. We would be happy to meet/teleconference on specific recreation matters after the ISR meeting if the January 31 meeting indicates the need. The afternoon of February 4th is a possibility, or some other time depending on your schedule. We can decide at the conclusion of the meeting on January 31. I look forward to seeing you soon.

NANCY CRAIG  
HDR Engineering, Inc.

From: Bowes, Stephen [mailto:stephen\_bowes@nps.gov]  
Sent: Thursday, January 03, 2013 3:59 PM  
To: Staples, Rose  
Cc: Eicher, James; Fargo, James; Hackamack, Robert; Koepele, Patrick; McDonnell, Marty; Raeder, Jessie; Rothert, Steve; Shumway, Vern; Shutes, Chris; Steindorf, Dave; Williamson, Harry; jhorn@blm.gov; peter@tuolumne.org; george@oars.com; scott@aorrafting.com; rivers@aorrafting.com; info@echotrips.com; smrt@mlode.com; bill@whitewatervoyages.com; sue@whitewatervoyages.com; raft@zrafting.com; ferg@zrafting.com; zrafting@sbcglobal.net; chris@dreamflows.com; bpittman@fs.fed.us; jhilton@fs.fed.us; marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us; paul\_martzen@yahoo.com; picturethis@foothill.net; Gregg@aorrafting.com; Greg\_Stock@nps.gov; Roger\_Farmer@nps.gov; jamesr@oars.com; tylerw@oars.com; tyras@oars.com; HotelCharlotte@aol.com; mecraig@fs.fed.us; rstanley@fs.fed.us; Jim\_Roche@nps.gov; elisabethb@evergreenlodge.com; gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us; mdowd@fs.fed.us; jen@riversandwater.com; hbwillia@comcast.net; Barbara\_rice@nps.gov; jeicher@blm.gov  
Subject: Re: Don Pedro Initial Study Report 2-Day Meeting AGENDA January 30-31, 2013

Rose & Nancy,

I'm a little concerned that 1 hour 40 minutes will not be enough time to talk about the recreation studies, especially since this is the first and only opportunity that has been provided. I would like to propose that we can schedule a follow up conference call (if needed) shortly after this meeting takes place. Please let me know what you think.

Stephen M. Bowes  
Hydropower Assistance Program  
National Park Service

From: Bowes, Stephen <stephen\_bowes@nps.gov>  
Sent: Monday, February 11, 2013 6:38 PM  
To: Craig, Nancy  
Cc: Devine, John  
Subject: Re: ISR meeting follow

Thanks Nancy!

On Mon, Feb 11, 2013 at 12:14 PM, Craig, Nancy <Nancy.Craig@hdrinc.com> wrote:

> Steve,  
> Thanks for these reminders. We will get the additional information about the Ward's Ferry site and the completed surveys into the ISR record.  
> As far as the lone drift boater on the lower Tuolumne - it was CDFG staff working the river from La Grange to Turlock Lake State Recreation Area. Kelly asked one of them to fill out a form when they took out on our first study day.

>

>

> NANCY CRAIG

> HDR Engineering, Inc.

> Project Manager, Hydropower Services

> 928.273.5772

> nancy.craig@hdrinc.com

>

>

> -----Original Message-----

> From: Bowes, Stephen [mailto:stephen\_bowes@nps.gov]

> Sent: Wednesday, February 06, 2013 3:15 PM

> To: Craig, Nancy; Devine, John

> Subject: ISR meeting follow

>

> Nancy and John,

>

> It was good to see you both last week. I was going through my notes and wanted to tie up a few loose ends. I had asked to see whatever design drawings were done for the proposed Ward's Ferry improvements and reservoir level information that will help me understand how many days a year, and at what times, the bridge abutments intended for use as a turn around would be under water. Regarding the LT boating flow study I would like to see scanned copies of the filled out surveys that should have been an attachment to the ISR. I was also wondering if the lone drift boater in the study was HDR staff or a private boater. Thanks so much!

>

> --

> Stephen M. Bowes

> Hydropower Assistance Program

> National Park Service

> 333 Bush Street, Suite 500

> San Francisco, CA 94104

> Phone: 415-623-2321

> Fax: 415-623-2387



March 5, 2013

Alison Willy  
Senior Fish and Wildlife Biologist  
US Fish and Wildlife Service  
2800 Cottage Way, Room W-2605  
Sacramento, CA 95825

Dear Ms. Willy:

Please find enclosed a CD of photos of potential valley elderberry longhorn beetle (VELB) boreholes collected as part of the Endangered Species Act-Listed Wildlife- Valley Elderberry Longhorn Beetle study conducted by Turlock Irrigation District and Modesto Irrigation District (the Districts) during Don Pedro Hydroelectric Project relicensing activities. During the Don Pedro relicensing Initial Study Report Meeting held on January 30 and 31, 2013, the Districts agreed to resubmit VELB borehole photographs to you. Photos of potential VELB boreholes and elderberry shrubs were originally sent in e-mails dated April 9 and 10, May 17 and 21 and July 5, 2012.

If you have any questions or comments regarding the photos, please contact me at 425-306-1957 or [devin.malkin@hdrinc.com](mailto:devin.malkin@hdrinc.com).

Respectfully submitted,

HDR ENGINEERING, INC

A handwritten signature in dark ink, appearing to read "Malkin", is written over a light gray rectangular background.

Devin Malkin

enclosures

Hi Scott and Jay:

Conference Line: 1-866-658-1015, pass: 3513224

Topics for discussion:

1. Sediment Transport Model (DREAM-2)

- Running the model for the length of the FERC hydrology data set (e.g. 1970 to 2010). Intent is in part to see changes in storage over the last license, but additionally to use a surrogate over the potential next license (obviously we don't future hydrology). I would prefer to see this analysis with and without the 1997 flood, as this is obviously a rare extreme event for the Lower Tuolumne, but I think it is worth understanding in case of a repeat event
- Increasing the number of cells that model results are reported at from 2 to 4 (maybe call it a cell 1a, 1b, 2a, 2b in a new, additional table so as not to disrupt the current report format and figures). There is a noted difference in flux between cells 1 and 2 currently reported, which could become much more pronounced with a longer hydrology data set. Particularly, I am interested in more detail in the predominant spawning reach (first 6 miles). I also think there is more info pertaining to the fate of the augmentation points/volumes than can be currently gleaned from the plots. For example, for cell 2, there is a blip up in augmentation volume in 2002, despite that 2002 augmentation was at the top of cell 1 - does this mean some of that volume traveled all that was in the first year? There would other ways to get at displaying results from the sediment transport model at more detail
- Could Dream-1 be used in a similar manner as Dream-2 to assess the flux of FBM? Note, with Dream-2 already built, I believe the effort to switch over to Dream-1 is small, and mostly involve switching grain size parameters. Objective here, can the models be used help develop PM&E's related to minimizing or flushing FBM - and even better yet maximize retention of gravel augmentations?
- Have the DREAM modeler available to run a limited # of potential proposed gravel augmentation scenarios from relicensing participants. There are several variables to consider with a gravel augmentation - volume, location, grain size, how many deposits (e.g., few large ones, many small ones, etc.) Having a DREAM-2 model of some of these potential scenarios represents a fantastic opportunity to develop the most efficient, beneficial program using the least amount of gravel

2. DEM differencing

- *[question: the -0.2 ft to 0.2 ft, are blanked out in the graphical figures of DEM differencing, but are these areas blanked out from volume calculations too? - I can't find mention of it in report]*
- My main interest here revolves around whether data in Appendix B (riffle areas, spawning gravel patches, and habitat units in general) and Appendix C (FBM) reside in GIS format. While at Stillwater, I can remember making air photo maps with meso-habitat units on them for snorkelers, so I know some info is in GIS, but don't know to

what extent. Because I don't know the whole landscape here I won't get into too much detail, but it seems to me there is an excellent opportunity to intersect the DEM difference polygons with habitat type features (e.g., riffles, spawning gravel patches, FBM, etc) to gain a robust understanding of the changes happening to these features. On some level it seems you may have already done this based on some qualitative statements in the report, but not sure, and think there is reason to expand.

### 3. Reservoir Sedimentation Analysis

- I don't have any proposed modifications here per say, but I do have some questions on the analysis. The ISR meeting didn't feel like the best venue to go there, but thought today's call would be a good opportunity.

That's all that have right now, not a lot to go into, so I wouldn't think we are more than 30-40 minutes?

Thanks,

John

On Tue, Mar 5, 2013 at 8:24 PM, Scott Wilcox <[Scott@stillwatersci.com](mailto:Scott@stillwatersci.com)> wrote:  
John: if it is not a problem, can you provide a conf call number with the outline? If it is a bother, we can provide one instead. Just ask Kelleigh to send out the info.

---

**From:** John Wooster - NOAA Federal [mailto:[john.wooster@noaa.gov](mailto:john.wooster@noaa.gov)]  
**Sent:** Tuesday, March 05, 2013 5:51 PM  
**To:** Scott Wilcox  
**Cc:** Jay Stallman  
**Subject:** Re: Tuolumne WAR-4 comments

Hi Scott and Jay,

I have been down and out with a flu bug for a couple of days, and while I am still hoping we are on for tomorrow at 2, I have been remiss in getting an outline together for tomorrow, and will dig into putting something together first thing in the morning....

-John

On Thu, Feb 28, 2013 at 4:53 PM, Scott Wilcox <[Scott@stillwatersci.com](mailto:Scott@stillwatersci.com)> wrote:

John:

Thanks for the feedback and the heads up. We can be available on Wednesday afternoon if that works for you. Just suggest a time.

Scott

[530.756.7550](tel:530.756.7550) x230

[Scott@stillwatersci.com](mailto:Scott@stillwatersci.com)

**From:** John Wooster - NOAA Federal [mailto:[john.wooster@noaa.gov](mailto:john.wooster@noaa.gov)]  
**Sent:** Thursday, February 28, 2013 4:46 PM  
**To:** Jay Stallman; Scott Wilcox  
**Subject:** Tuolumne WAR-4 comments

Hi Scott and Jay,

As I'm sure you are aware, agencies need to file comments on the ISR for Don Pedro next Monday March 11. First and foremost, I'd like to acknowledge that the TM for WAR-4 was likely the best piece of work in both writing and substance that I have reviewed in the FERC arena since I moved to the other side.

Nonetheless, at the moment I am intending to file some comments next week on WAR-4. While I must couch them as "modifications" to the study plan per the ILP, my ideas are more add-on or outgrowth analyses to the new study components that I wasn't previously aware that you were compiling (i.e., the DREAM model and the DEM differencing). Scott mentioned one of them as a possibility during the ISR meeting.....

So I was wondering if you might have some time and interest to discuss on the phone in the coming days. My intent would be both to provide you a heads up before I file anything, but also to hear any feedback you might have for me, as you have obviously know your tools and data better than I - and I don't really want to push anything to FERC that isn't either feasible or maybe the best, most efficient approach.

My week next week is really focused on Tuolumne comment prep, so I likely can make almost any time work, I also can provide a conference call-in # if you like. If you are interested in talking, I'll put some talking points together prior to a call, and while the tools I am most interested in using would appear to have heavy Yantao and Ian involvement, my ideas are high level enough I doubt all the nuts and bolts guys are essential (and don't want to request them not

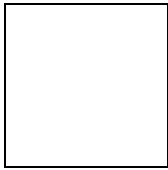
knowing your budget situation). In almost all likelihood, I will be the only one from NMFS participating.

Thanks,

JW

--

**John Wooster**  
*Hydrologist*  
NOAA Fisheries  
[john.wooster@noaa.gov](mailto:john.wooster@noaa.gov)



--

**John Wooster**  
*Hydrologist*  
NOAA Fisheries  
[john.wooster@noaa.gov](mailto:john.wooster@noaa.gov)



**NOAA FISHERIES**

--

**John Wooster**  
*Hydrologist*  
NOAA Fisheries  
[john.wooster@noaa.gov](mailto:john.wooster@noaa.gov)



**NOAA FISHERIES**

From: Craig, Nancy  
Sent: Thursday, March 07, 2013 9:21 AM  
To: 'Bowes, Stephen'  
Cc: Bricker, Kelly; Devine, John; Staples, Rose (rose.staples@hdrinc.com)  
Subject: RE: boating flow volunteers.  
Attachments: What type of watercraft did you use.docx

Steve,  
I hope the attached tables are helpful.  
Nancy Craig  
(928) 273-5772

-----Original Message-----

From: Bowes, Stephen [mailto:stephen\_bowes@nps.gov]  
Sent: Wednesday, March 06, 2013 3:46 PM  
To: Craig, Nancy; Devine, John; Bricker, Kelly  
Subject: Re: boating flow volunteers.

Specifically what I need is numbers for Inflatable Kayaks, Hard shell kayaks, canoes and drift boats. And, Total participants broken into two groups HDR staff and private boaters.

Thanks!

On Wed, Mar 6, 2013 at 2:06 PM, Bowes, Stephen <stephen\_bowes@nps.gov> wrote:

> Nancy,

>

> Back at the ISR meeting you said that you would get me the breakdown  
> of the 14 volunteers who participated in the 4 boating flow study days  
> (private boaters vs HDR staff). I really need that information ASAP  
> before the comment deadline of March 11. Today or tomorrow morning  
> would be ideal since I am coordinating my comments with several other  
> people. Thanks!

>

> --

> Stephen M. Bowes  
> Hydropower Assistance Program  
> National Park Service  
> 333 Bush Street, Suite 500  
> San Francisco, CA 94104  
> Phone: 415-623-2321  
> Fax: 415-623-2387

### Number of Boating Trips by Watercraft - Volunteers

|              |                       | What type of watercraft did you use? |          |                                |               | Total     |
|--------------|-----------------------|--------------------------------------|----------|--------------------------------|---------------|-----------|
|              |                       | Canoe                                | Kayak    | Sit on Top<br>Kayak/Inflatable | Drift<br>Raft |           |
|              | Barry V.              | 3                                    | 0        | 0                              | 0             | 3         |
|              | Brett                 | 0                                    | 2        | 0                              | 0             | 2         |
|              | Brian<br>(3 in canoe) | 1                                    | 0        | 1                              | 0             | 2         |
|              | Chris G               | 0                                    | 0        | 2                              | 0             | 2         |
|              | Curt S                | 3                                    | 0        | 0                              | 0             | 3         |
|              | Dave S                | 0                                    | 0        | 1                              | 0             | 1         |
|              | Dennis                | 0                                    | 3        | 0                              | 0             | 3         |
|              | Fish & Game           | 0                                    | 0        | 0                              | 1             | 1         |
|              | Kate                  | 0                                    | 1        | 0                              | 0             | 1         |
|              | Noah                  | 0                                    | 1        | 0                              | 0             | 1         |
|              | Rick                  | 0                                    | 0        | 1                              | 0             | 1         |
|              | S Bowes               | 0                                    | 0        | 1                              | 0             | 1         |
| <b>Total</b> |                       | <b>7</b>                             | <b>7</b> | <b>6</b>                       | <b>1</b>      | <b>21</b> |

### Number of Boating Trips by Type of Watercraft – District Contractors

|                   |              | What type of watercraft did you use? |          |                                |  | Total     |
|-------------------|--------------|--------------------------------------|----------|--------------------------------|--|-----------|
|                   |              | Canoe                                | Kayak    | Sit on Top<br>Kayak/Inflatable |  |           |
| DR Staff<br>Trips | Jeremy       | 3                                    | 0        | 3                              |  | 6         |
|                   | Nancy        | 0                                    | 0        | 1                              |  | 1         |
|                   | Kelly        | 0                                    | 0        | 3                              |  | 3         |
|                   | Nate         | 0                                    | 0        | 1                              |  | 1         |
|                   |              |                                      |          |                                |  |           |
|                   | <b>Total</b> | <b>3</b>                             | <b>0</b> | <b>8</b>                       |  | <b>11</b> |

On **Mar 7, 2013, at 7:06 PM**, "Bowes, Stephen" <stephen\_bowes@nps.gov> wrote:

So Barry and Curt each took 3 separate trips in 2 canoes? And Brett took 2 separate kayak trips? And Brian's group consisted of 3 people (in canoe) and one person in an IK? Were all 4 of them surveyed, or just Brian?

From: Bowes, Stephen <stephen\_bowes@nps.gov>  
Sent: Thursday, **March 07, 2013 4:18 PM**  
To: Craig, Nancy  
Subject: Re: boating flow volunteers.

thanks Nancy!

----- Original Message -----

From: Bricker, Kelly  
Sent: Thursday, **March 07, 2013 01:29 PM**  
To: Bowes, Stephen <stephen\_bowes@nps.gov>  
Cc: Craig, Nancy  
Subject: Re: boating flow volunteers.

Hi, all surveyed, each entry separate survey; second table is HDR, cheers!

Sent from my iPhone

On Thu, **Mar 7, 2013 at 1:16 PM**, Craig, Nancy <Nancy.Craig@hdrinc.com> wrote:

Steve,

Barry and Curt were together in one canoe on 3 different days. Each filled out a survey form every day.

Brian kayaked one day and canoed with his kids the next day. Brian completed the survey twice, with his kids' input on the canoe survey.

HDR appreciates the time that all volunteers contributed to this study.

Nancy

From: Bowes, Stephen <stephen\_bowes@nps.gov>  
Sent: Thursday, **March 07, 2013 12:16 PM**  
To: Craig, Nancy  
Cc: Bricker, Kelly; Devine, John; Staples, Rose  
Subject: Re: boating flow volunteers.

Whoops I see that you already have them separated out! When a person report 3 water crafts used does that mean they took three trips?

| What type of watercraft did you use? |       |       |                             |            |       |
|--------------------------------------|-------|-------|-----------------------------|------------|-------|
|                                      | Canoe | Kayak | Sit on Top Kayak/Inflatable | Drift Raft | Total |
| Barry V.3                            |       |       | 0                           | 0          |       |
| 0                                    | 3     |       |                             |            |       |



On Thu, **Mar 7, 2013 at 8:18 AM**, Bowes, Stephen <stephen\_bowes@nps.gov> wrote:  
Thanks Nancy. Could you put an asterisk next to HDR staff and/or contractors?

On Thu, **Mar 7, 2013 at 6:21 AM**, Craig, Nancy <Nancy.Craig@hdrinc.com> wrote:  
Steve,  
I hope the attached tables are helpful.  
Nancy Craig  
(928) 273-5772

-----Original Message-----

From: Bowes, Stephen [mailto:stephen\_bowes@nps.gov]  
Sent: Wednesday, **March 06, 2013 3:46 PM**  
To: Craig, Nancy; Devine, John; Bricker, Kelly  
Subject: Re: boating flow volunteers.

Specifically what I need is numbers for Inflatable Kayaks, Hard shell kayaks, canoes and drift boats. And, Total participants broken into two groups HDR staff and private boaters.

Thanks!

On Wed, **Mar 6, 2013 at 2:06 PM**, Bowes, Stephen <stephen\_bowes@nps.gov> wrote:  
Nancy,

Back at the ISR meeting you said that you would get me the breakdown of the 14 volunteers who participated in the 4 boating flow study days (private boaters vs HDR staff). I really need that information ASAP before the comment deadline of March 11. Today or tomorrow morning would be ideal since I am coordinating my comments with several other people. Thanks!

Stephen M. Bowes  
Hydropower Assistance Program

**From:** [Willy, Alison](#)  
**To:** [Malkin, Devin](#)  
**Subject:** Re: Don Pedro relicensing: VELB photos  
**Date:** Thursday, March 07, 2013 8:51:07 AM

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Thank you!!!

On Thu, Mar 7, 2013 at 6:20 AM, Malkin, Devin <[Devin.Malkin@hdrinc.com](mailto:Devin.Malkin@hdrinc.com)> wrote:

Hi Alison – during the Don Pedro Initial Study Report meeting on January 31, you asked us to provide on CD the photos of potential valley elderberry longhorn beetle (VELB) boreholes collected during 2012 study implementation. (These photos were originally sent in e-mails dated April 9 and 10, May 17 and 21 and July 5, 2012). The CD was shipped today via fedex so you should receive it tomorrow. Please let me know if you need anything else, or if you have additional questions about the Don Pedro studies.

Thanks

-dm

**DEVIN  
MALKIN**

**HDR Engineering, Inc.**  
Regulatory and Environmental Services  
Manager

601 Union Street, Suite 700 | Seattle WA 98101  
Cell: 425.306.1957 | Office: 206.826.4758  
[devin.malkin@hdrinc.com](mailto:devin.malkin@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

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Alison Willy  
Senior Fish and Wildlife Biologist  
U.S. Fish and Wildlife Service  
2800 Cottage Way, Suite W-2605  
Sacramento, CA 95825  
(916)414-6534

**From:** Imholt, Susan  
**To:** [Alison Willy](#); ["Cranston, Peggy"](#); [Eicher, James M](#)  
**Cc:** [Michelle Reimers \(mareimers@tid.org\)](#); [Robert Nees \(rmnees@tid.org\)](#); [Bill Johnston](#); [Steve Boyd \(seboyd@tid.org\)](#); [Melissa Williams \(MelissaW@mid.org\)](#); [Joy Warren \(joyw@mid.org\)](#); [Greg Dias \(gregd@mid.org\)](#); [Regina Cox \(reginac@mid.org\)](#); [Devine, John](#); [Borovansky, Jenna](#); [Malkin, Devin](#)  
**Subject:** Don Pedro Project FERC Relicensing - CRLF Site Assessment Field Notice - rescheduled  
**Date:** Monday, March 19, 2012 2:27:00 PM

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**ESA-Listed Amphibians – California Red-legged Frog Study (Study TR-7)  
Rescheduling of Continuation of Site Assessment Fieldwork**

On behalf of Modesto Irrigation District and Turlock Irrigation District (the Districts), who own and operate the Don Pedro Project, HDR Engineering, Inc. (HDR) is rescheduling the continuing fieldwork for Study TR-7, ESA-Listed Amphibians – California Red-legged Frog Study, which includes field site assessments of aquatic habitats within the existing FERC Project Boundary and other accessible areas of potentially suitable aquatic habitat within 1.0 mile of the existing FERC Project Boundary.

The FERC-approved study plan requires the Districts provide advance notice of the field assessments and invitation to observe the field work to USFWS. Field work was scheduled to occur April 2 - 4, 2012, but has been rescheduled for April 17-19, due to scheduling constraints. It is anticipated that site assessments will be performed at accessible locations in the study area outside of the FERC Project Boundary. Site assessment locations have not yet been finalized, but it is anticipated that some locations will be located on BLM land.

HDR biologists performing the assessments can be met each day at 8:00 AM at the Best Western in Sonora, CA (19551 Hess Avenue, Sonora, California, 95370-9720, phone: 209-533-4400). Interested observers are asked to please contact Susie Imholt (office: 206-826-4693, cell: 360-318-5333) at least 1 week in advance.

Observers are asked to be prepared for work in the elements with the proper clothing, footwear, food, and water. Please also be aware that the terrain may be rigorous. HDR cannot provide transportation for observers due to liability constraints.

Locations and logistics of subsequent site assessments will be provided to USFWS at least 30 days in advance of field work.

If you have any questions regarding this e-mail, please contact Susie Imholt.

**SUSAN IMHOLT**

**HDR Engineering, Inc.**

Scientist - Wildlife, Fisheries, Botanical

601 Union St, Suite 700 | Seattle, WA 98101

206.826.4693 | c: 360.318.5333

[susan.imholt@hdrinc.com](mailto:susan.imholt@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

## Loy, Carin

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**From:** Barnes, Peter@Waterboards <Peter.Barnes@waterboards.ca.gov>  
**Sent:** Thursday, March 21, 2013 9:18 AM  
**To:** Loy, Carin  
**Subject:** SWRCB Comments

Carin,

I spoke with my supervisor and she agrees that you can leave it the way you suggested. Our main concern was that the most recent updated Basin Plan was used in the analysis. Thank you.

Sincerely,

Peter Barnes  
Engineering Geologist  
Water Quality Certification Program  
Division of Water Rights  
State Water Resources Control Board  
Phone: (916) 445-9989  
Email: [PBarnes@waterboards.ca.gov](mailto:PBarnes@waterboards.ca.gov)

**From:** Jason Guignard <[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)>

**Subject: Re: E-fishing Tuol**

**Date:** March 23, 2012 4:51:31 PM PDT

**To:** Gretchen Murphey <[GMURPHEY@dfg.ca.gov](mailto:GMURPHEY@dfg.ca.gov)>

Gretchen,

At this point, we are still planning to sample on sat. E-fishing in the rain is not an issue unless it is a complete downpour. I will call you tomorrow if anything changes.

Jason Guignard  
Fisheries Biologist

FISHBIO  
1617 S. Yosemite Ave.  
Oakdale, CA 95361  
(209) 847-6300 office  
(209) 840-9019 cell  
[www.fishbio.com](http://www.fishbio.com)

On Mar 23, 2012, at 3:47 PM, Gretchen Murphey wrote:

Jason,

I'm not sure if you'll get this before Saturday night but, the forecast is calling for a chance of rain. I'm not sure if there are any limits on E-fishing and rain but if sampling is canceled on account of weather please give me a call at 209-417-8301.

Thanks

Gretchen Murphey  
Environmental Scientist (Tuolumne River)  
California Department of Fish and Game  
Tuolumne River Restoration Center  
P.O. Box 10 La Grange, CA 95329  
(209)853-2533 ext. #3  
Fax (209) 853-9017

Here you go.

**Noah Hume**

Aquatic Ecologist/Senior Scientist, Stillwater Sciences

office 510-848-8098 x129

[noah@stillwatersci.com](mailto:noah@stillwatersci.com)

**From:** Noah Hume

**Sent:** Thursday, April 25, 2013 11:56 AM

**To:** 'Devine, John'; 'Manji, Annie@Wildlife'; 'Staples, Rose'; 'Steve Rothert'; 'Dave Steindorf'; 'William Jennings'; 'Paul Marko'; 'Bill Lyons'; 'Bob Ott'; 'Jerry Cadagan'; 'Robert Shipley'; 'Jack Wenger'; 'Emerson Drake'; 'Steve Welch'; 'Martin Blake'; 'Art Jensen'; 'Nicole Sandkulla'; 'Allison Boucher'; 'Beth Brenneman'; 'James Barnes'; 'James Eicher'; 'Jeff Horn'; 'Lauren Fety'; 'Peggy Cranston'; 'Denean'; 'Rhonda Morningstar Pope'; 'Roselynn Lwenya'; 'Charles Burt'; 'Jenny Hatch'; 'Duane Paul'; 'Steve Pavich'; 'Cindy Charles'; 'Mary Motola'; 'Chris Vierra'; 'Daniel Richardson'; 'Riggs T'; 'Dan Wheeler'; 'Dave Wheeler'; 'John Buckley'; 'Rebecca Cremeen'; 'Jsansley'; 'Tmberliner'; 'Royal Robbins'; 'Ann Hayden'; 'Tim Byrd'; 'Ron Slay'; 'Beniamine Beronia'; 'Mein Janis'; 'Damin Nicole'; 'Frank Winchell'; 'James Fargo'; 'James Hastreiter'; 'Lesley Kordella'; 'Shana Murray'; 'Ron Stork'; 'Robert Hackamack'; 'Maggie Dowd'; 'Vern Shumway'; 'Allison Willy'; 'Craig Anderson'; 'Deborah Giglio'; 'Michelle Workman'; 'Ramon Martin'; 'Zac Jackson'; 'Julia Jauregui'; 'Harry Williamson'; 'Janice Keating'; 'Jesse Roseman'; 'Nicola Ulibarri'; 'Chris Ott'; 'Steve Burke'; 'Allison Schutte'; 'Ray McDevitt'; 'Timothy Findley'; 'Le, Bao'; 'Loy, Carin'; 'Borovansky, Jenna'; 'Mike Marshall'; 'Spreck Rosekrans'; 'Douglas Wheeler'; 'Ruth Porter'; 'Joseph Lein'; 'Noah Hughes'; 'Todd Sill'; 'Teresa Kinney'; 'Sarah Shakal'; 'Zeke Grader'; 'Justin'; 'Dan Steiner'; 'Art Bowman'; 'Jim Smith'; 'David Linkard'; 'Melissa Powell'; 'George TeVelde'; 'Vicki Stone'; 'Jan Costa'; 'Lloyd Mathiesen'; 'Stanley Rob Cox'; 'Reba Fuller'; 'Kevin Day'; 'Garth Stapley'; 'Jim Alves'; 'Jack Bond'; 'Jim Ridenour'; 'Richard Ulm'; 'Bryan Wilson'; 'Colette Verkuil'; 'P Day'; 'Zahra Hayat'; 'Bill Amerine'; 'Chris Shutes'; 'John Stender'; 'David O Romano'; 'Lynette Asay'; 'David K White'; 'John Wooster'; 'Kathryn Kempton'; 'Larry Thompson'; 'Maria Rea'; 'Monica Gutierrez'; 'Rhonda Reed'; 'Richard Wantuck'; 'Steve Edmondson'; 'Thomas Holley'; 'Stephen Bowes'; 'Dan McDaniel'; 'Jenan Saunders'; 'Milford Wayne Donaldson'; 'Susan Stratton'; 'Mark Buckley'; 'Maryann Moise Derwin'; 'Richard Pool'; 'Jeffrey Cowan'; 'Mike Fleming'; 'Donn W Furman'; 'Ellen Levin'; 'Michael Carlin'; 'Tim Ramirez'; 'William Sears'; 'Marty McDonnell'; 'John Mills'; 'Tom Orvis'; 'Wayne Zipser'; 'Michael Martin'; 'Sandy Vasquez'; 'Scott Wilcox'; 'Reggie Lewis'; 'Tim Colvin'; 'Doug Brewer'; 'Thomas Terpstra'; 'Laura Jensen'; 'Brian Johnson'; 'Chandra Ferrari'; 'Eric Wesselman'; 'Jessie Raeder'; 'Patrick Koepele'; 'Peter Drekmeier'; 'Dan Madden'; 'Ron Yoshiyama'; 'Christy Jones'; 'Kevin Richardson'; 'Lisa Holm'; 'Mary Johannis'; 'Peter Barnes'; 'Susan Monheit'; 'Julie Ganteinbein'; 'Richard Roos-Collins'; 'Ferranti, Annee@Wildlife'; 'Hughes, Robert@Wildlife'; 'Murphey, Gretchen@Wildlife'; 'Jennifer O'Brien'; 'Barrera, Linda@Wildlife'; 'Taylor, Mary Jane@Wildlife'; 'Puccini, Stephen@Wildlife'; 'Heyne, Tim@Wildlife'; 'Anita Hellam'; 'Bill Hudelson'; 'Timi Horn'; 'Elaine Gorman'

**Cc:** 'Loy, Carin'; 'Scott Wilcox'

**Subject:** RE: Districts Response to Don Pedro ISR Comment Letters E-Filed Today with FERC

HI Annie

I think this was included in the initial background information CD for the W&AR-5 Synthesis last January (2012). I'll send you a copy of this report in a follow-up e-mail.

**Noah Hume**

Aquatic Ecologist/Senior Scientist, Stillwater Sciences

office 510-848-8098 x129

[noah@stillwatersci.com](mailto:noah@stillwatersci.com)

**From:** Devine, John [<mailto:John.Devine@hdrinc.com>]

**Sent:** Thursday, April 25, 2013 11:02 AM

**To:** Manji, Annie@Wildlife; Staples, Rose; Steve Rothert; Dave Steindorf; William Jennings; Paul Marko; Bill Lyons; Bob Ott; Jerry Cadagan; Robert Shipley; Jack Wenger; Emerson Drake; Steve Welch; Martin Blake; Art Jensen; Nicole Sandkulla; Allison Boucher; Beth Brenneman; James Barnes; James Eicher; Jeff Horn; Lauren Fety; Peggy Cranston; Denean; Rhonda Morningstar Pope; Roselynn Lwenya; Charles Burt; Jenny Hatch; Duane Paul; Steve Pavich; Cindy Charles; Mary Motola; Chris Vierra; Daniel Richardson; Riggs T; Dan Wheeler; Dave Wheeler; John Buckley; Rebecca Cremeen; Jsansley; Tmberliner; Royal Robbins; Ann Hayden; Tim Byrd; Ron Slay; Beniamine Beronia; Mein Janis; Damin Nicole; Frank Winchell; James Fargo; James Hastreiter; Lesley Kordella; Shana Murray; Ron Stork; Robert Hackamack; Maggie Dowd; Vern Shumway; Allison Willy; Craig Anderson; Deborah Giglio; Michelle Workman; Ramon Martin; Zac Jackson; Julia Jauregui; Harry Williamson; Janice Keating; Jesse Roseman; Nicola Ulibarri; Chris Ott; Steve Burke; Allison Schutte; Ray McDevitt; Timothy Findley; Le, Bao; Loy, Carin; Borovansky, Jenna; Mike Marshall; Spreck Rosekrans; Douglas Wheeler; Ruth Porter; Joseph Lein; Noah Hughes; Todd Sill; Teresa Kinney; Sarah Shakal; Zeke Grader; Justin; Dan Steiner; Art Bowman; Jim Smith; David Linkard; Melissa Powell; George TeVelde; Vicki Stone; Jan Costa; Lloyd Mathiesen; Stanley Rob Cox; Reba Fuller; Kevin Day; Garth Stapley; Jim Alves; Jack Bond; Jim Ridenour; Richard Ulm; Bryan Wilson; Colette Verkuil; P Day; Zahra Hayat; Bill Amerine; Chris Shutes; John Stender; David O Romano; Lynette Asay; David K White; John Wooster; Kathryn Kempton; Larry Thompson; Maria Rea; Monica Gutierrez; Rhonda Reed; Richard Wantuck; Steve Edmondson; Thomas Holley; Stephen Bowes; Dan McDaniel; Jenan Saunders; Milford Wayne Donaldson; Susan Stratton; Mark Buckley; Maryann Moise Derwin; Richard Pool; Jeffrey Cowan; Mike Fleming; Donn W Furman; Ellen Levin; Michael Carlin; Tim Ramirez; William Sears; Marty McDonnell; John Mills; Tom Orvis; Wayne Zipser; Michael Martin; Sandy Vasquez; Noah Hume; Scott Wilcox; Reggie Lewis; Tim Colvin; Doug Brewer; Thomas Terpstra; Laura Jensen; Brian Johnson; Chandra Ferrari; Eric Wesselman; Jessie Raeder; Patrick Koepele; Peter Drekmeier; Dan Madden; Ron Yoshiyama; Christy Jones; Kevin Richardson; Lisa Holm; Mary Johannis; Peter Barnes; Susan Monheit; Julie Ganteinbein; Richard Roos-Collins; Ferranti, Annee@Wildlife; Hughes, Robert@Wildlife; Murphey, Gretchen@Wildlife; Jennifer O'Brien; Barrera, Linda@Wildlife; Taylor, Mary Jane@Wildlife; Puccini, Stephen@Wildlife; Heyne, Tim@Wildlife; Anita Hellam; Bill Hudelson; Timi Horn; Elaine Gorman

**Cc:** Loy, Carin; Noah Hume; Scott Wilcox

**Subject:** RE: Districts Response to Don Pedro ISR Comment Letters E-Filed Today with FERC

Will do. Let us run that down for you.

**JOHN DEVINE**  
P.E.

**HDR Engineering, Inc.**  
Senior Vice President, Hydropower Services

970 Baxter Boulevard Suite 301 | Portland, ME 04103  
207.775.4495 | c: 207.776.2206 | f: 207.775.1742  
[john.devine@hdrinc.com](mailto:john.devine@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

**From:** Manji, Annie@Wildlife [<mailto:Annie.Manji@wildlife.ca.gov>]

**Sent:** Thursday, April 25, 2013 1:54 PM

**To:** Staples, Rose; Steve Rothert; Dave Steindorf; William Jennings; Paul Marko; Bill Lyons; Bob Ott; Jerry Cadagan; Robert Shipley; Jack Wenger; Emerson Drake; Steve Welch; Martin Blake; Art Jensen; Nicole Sandkulla; Allison Boucher; Beth Brenneman; James Barnes; James Eicher; Jeff Horn; Lauren Fety; Peggy Cranston; Denean; Rhonda Morningstar Pope; Roselynn Lwenya; Charles Burt; Jenny Hatch; Duane Paul; Steve Pavich; Cindy Charles; Mary Motola; Chris Vierra; Daniel Richardson; Riggs T; Dan Wheeler; Dave Wheeler; John Buckley; Rebecca Cremeen; Jsansley; Tmberliner; Royal Robbins; Ann Hayden; Tim Byrd; Ron Slay; Beniamine Beronia; Mein Janis; Damin Nicole; Frank Winchell; James Fargo;

James Hastreiter; Lesley Kordella; Shana Murray; Ron Stork; Robert Hackamack; Maggie Dowd; Vern Shumway; Allison Willy; Craig Anderson; Deborah Giglio; Michelle Workman; Ramon Martin; Zac Jackson; Julia Jauregui; Harry Williamson; Janice Keating; Jesse Roseman; Nicola Ulibarri; Chris Ott; Steve Burke; Allison Schutte; Ray McDevitt; Timothy Findley; Le, Bao; Loy, Carin; Borovansky, Jenna; Devine, John; Mike Marshall; Spreck Rosekrans; Douglas Wheeler; Ruth Porter; Joseph Lein; Noah Hughes; Todd Sill; Teresa Kinney; Sarah Shakal; Zeke Grader; Justin; Dan Steiner; Art Bowman; Jim Smith; David Linkard; Melissa Powell; George TeVelde; Vicki Stone; Jan Costa; Lloyd Mathiesen; Stanley Rob Cox; Reba Fuller; Kevin Day; Garth Stapley; Jim Alves; Jack Bond; Jim Ridenour; Richard Ulm; Bryan Wilson; Colette Verkuil; P Day; Zahra Hayat; Bill Amerine; Chris Shutes; John Stender; David O Romano; Lynette Asay; David K White; John Wooster; Kathryn Kempton; Larry Thompson; Maria Rea; Monica Gutierrez; Rhonda Reed; Richard Wantuck; Steve Edmondson; Thomas Holley; Stephen Bowes; Dan McDaniel; Jenan Saunders; Milford Wayne Donaldson; Susan Stratton; Mark Buckley; Maryann Moise Derwin; Richard Pool; Jeffrey Cowan; Mike Fleming; Donn W Furman; Ellen Levin; Michael Carlin; Tim Ramirez; William Sears; Marty McDonnell; John Mills; Tom Orvis; Wayne Zipser; Michael Martin; Sandy Vasquez; Noah Hume; Scott Wilcox; Reggie Lewis; Tim Colvin; Doug Brewer; Thomas Terpstra; Laura Jensen; Brian Johnson; Chandra Ferrari; Eric Wesselman; Jessie Raeder; Patrick Koepele; Peter Drekmeyer; Dan Madden; Ron Yoshiyama; Christy Jones; Kevin Richardson; Lisa Holm; Mary Johannis; Peter Barnes; Susan Monheit; Julie Ganteinbein; Richard Roos-Collins; Ferranti, Annee@Wildlife; Hughes, Robert@Wildlife; Murphey, Gretchen@Wildlife; Jennifer O'Brien; Barrera, Linda@Wildlife; Taylor, Mary Jane@Wildlife; Puccini, Stephen@Wildlife; Heyne, Tim@Wildlife; Anita Hellam; Bill Hudelson; Timi Horn; Elaine Gorman

**Subject:** RE: Districts Response to Don Pedro ISR Comment Letters E-Filed Today with FERC

Could you please direct me to an online copy of a reference in this filing:

TID/MID 1997. Aquatic Invertebrate Report, Supplement to 1992 FERC Report Appendix 16. Report 96-9 In Report of Turlock Irrigation District and Modesto Irrigation District Pursuant to Article 39 of the License for the Don Pedro Project. No. 2299. Vol. VI. Prepared by EA Engineering, Science, and Technology. Lafayette, California.

Thank you,

Annie Manji  
Statewide FERC Coordinator  
Department of Fish and Wildlife  
Water Branch  
601 Locust Street  
Redding, CA 96001  
(530) 224-4924

**From:** Rose Staples [<mailto:Rose.Staples@hdrinc.com>]

**Sent:** Tuesday, April 09, 2013 2:46 PM

**To:** Steve Rothert; Dave Steindorf; William Jennings; Paul Marko; Bill Lyons; Bob Ott; Jerry Cadagan; Robert Shipley; Jack Wenger; Emerson Drake; Steve Welch; Martin Blake; Art Jensen; Nicole Sandkulla; Allison Boucher; Beth Brennenman; James Barnes; James Eicher; Jeff Horn; Lauren Fety; Peggy Cranston; Denean; Rhonda Morningstar Pope; Roselynn Lwenya; Charles Burt; Jenny Hatch; Duane Paul; Steve Pavich; Cindy Charles; Mary Motola; Chris Vierra; Daniel Richardson; Riggs T; Dan Wheeler; Dave Wheeler; John Buckley; Rebecca Cremeen; Jsansley; Timberliner; Royal Robbins; Ann Hayden; Tim Byrd; Ron Slay; Beniamine Beronia; Mein Janis; Damin Nicole; Manji, Annie@Wildlife; Frank Winchell; James Fargo; James Hastreiter; Lesley Kordella; Shana Murray; Ron Stork; Robert Hackamack; Maggie Dowd; Vern Shumway; Allison Willy; Craig Anderson; Deborah Giglio; Michelle Workman; Ramon Martin; Zac



Jackson; Julia Jauregui; Harry Williamson; Janice Keating; Jesse Roseman; Nicola Ulibarri; Chris Ott; Steve Burke; Allison Schutte; Ray McDevitt; Timothy Findley; Bao Le; Carin Loy; Jenna Borovansky; John Devine; Mike Marshall; Spreck Rosekrans; Douglas Wheeler; Ruth Porter; Joseph Lein; Noah Hughes; Todd Sill; Teresa Kinney; Sarah Shakal; Zeke Grader; Justin; Dan Steiner; Art Bowman; Jim Smith; David Linkard; Melissa Powell; George TeVelde; Vicki Stone; Jan Costa; Lloyd Mathiesen; Stanley Rob Cox; Reba Fuller; Kevin Day; Garth Stapley; Jim Alves; Jack Bond; Jim Ridenour; Richard Ulm; Bryan Wilson; Colette Verkuil; P Day; Zahra Hayat; Bill Amerine; Chris Shutes; John Stender; David O Romano; Lynette Asay; David K White; John Wooster; Kathryn Kempton; Larry Thompson; Maria Rea; Monica Gutierrez; Rhonda Reed; Richard Wantuck; Steve Edmondson; Thomas Holley; Stephen Bowes; Dan McDaniel; Jenan Saunders; Milford Wayne Donaldson; Susan Stratton; Mark Buckley; Maryann Moise Derwin; Richard Pool; Jeffrey Cowan; Mike Fleming; Donn W Furman; Ellen Levin; Michael Carlin; Tim Ramirez; William Sears; Marty McDonnell; John Mills; Tom Orvis; Wayne Zipser; Michael Martin; Sandy Vasquez; Noah Hume; Scott Wilcox; Reggie Lewis; Tim Colvin; Doug Brewer; Thomas Terpstra; Laura Jensen; Brian Johnson; Chandra Ferrari; Eric Wesselman; Jessie Raeder; Patrick Koepele; Peter Drekmeier; Dan Madden; Ron Yoshiyama; Christy Jones; Kevin Richardson; Lisa Holm; Mary Johannis; Peter Barnes; Susan Monheit; Julie Ganteinbein; Richard Roos-Collins; Annee Ferranti; Hughes, Robert@Wildlife; Gretchen Murphey; Jennifer O'Brien; Barrera, Linda@Wildlife; Mary Jane Taylor; Puccini, Stephen@Wildlife; Tim Heyne; Anita Hellam; Bill Hudelson; Timi Horn; Elaine Gorman

**Subject:** Districts Response to Don Pedro ISR Comment Letters E-Filed Today with FERC

The Districts e-filed with FERC today their response to the Initial Study Report (ISR) comment letters filed. A copy of the response, along with the comment letters, have been uploaded to the [www.donpedro-relicensing](http://www.donpedro-relicensing) website (DOCUMENTS tab, Initial Study Reports Section, Study Comments folder) Their response should also be available on FERC's E-Library ([www.ferc.gov](http://www.ferc.gov)) soon, most probably tomorrow. Also included in this filing are the draft meeting notes from the March 27, 2013 Hydrology Workshop No. 4 and the final meeting notes from the October 26, 2012 W&AR-03 and W&AR-16 River and Reservoir Temperature Models Consultation Workshop No. 2.

ROSE STAPLES  
CAP-OM

**HDR Engineering, Inc.**  
Executive Assistant, Hydropower Services

970 Baxter Boulevard, Suite 301 | Portland, ME 04103  
207.239.3857 | f: 207.775.1742  
[rose.staples@hdrinc.com](mailto:rose.staples@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

**From:** Malkin, Devin  
**To:** [alison\\_willy@fws.gov](mailto:alison_willy@fws.gov); [Peggy Cranston \(pcransto@blm.gov\)](mailto:Peggy_Cranston@blm.gov)  
**Cc:** [Eicher, James M \(jeicher@blm.gov\)](mailto:Eicher_James_M@blm.gov); [Borovansky, Jenna](mailto:Borovansky_Jenna); [Tortosa, Justin](mailto:Tortosa_Justin); [John Devine](mailto:John_Devine); [beth\\_brenneman@blm.gov](mailto:beth_brenneman@blm.gov)  
**Subject:** Don Pedro relicensing - notice of Bald Eagle field work  
**Date:** Tuesday, April 30, 2013 3:50:00 PM

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Alison, Peggy – FWS and BLM comments on Turlock Irrigation District and Modesto Irrigation District's Initial Study Report requested additional field work in 2013. This email serves as notice that the Districts will conduct the first of two 2013 bald eagle surveys on May 8-9, 2013. You or other agency staff are invited to join the field survey efforts. If you would like to attend, or if you have any questions about the Districts' 2013 bald eagle survey work, please contact me or Justin Tortosa.

Thanks

-dm

**DEVIN MALKIN**

**HDR Engineering, Inc.**

Regulatory and Environmental Services Manager

601 Union Street, Suite 700 | Seattle WA 98101

Cell: 425.306.1957 | Office: 206.826.4758

[devin.malkin@hdrinc.com](mailto:devin.malkin@hdrinc.com) | [hdrinc.com](http://hdrinc.com)

From: steve bowes <info2@meetingwizard.com>  
Sent: Monday, July 08, 2013 10:34 PM  
To: Craig, Nancy  
Subject: Meeting Confirmation re: Tuolumne Float Trip!

Hi,

This is a confirmation from steve bowes for the following meeting event:

Start Date/Time: Tuesday August 6, 2013 8:00 AM Pacific Time

Subject/Purpose: Tuolumne Float Trip!

Type/Format: face-to-face

Duration: approximately 1 day

You can view complete details by clicking the following link:

<http://www.meetingwizard.com/mwiz/v/rd.cfm?m=1329591&mtag=926590724&g=13180757>

If you have not yet responded, or if you want to change your response, click the following link:

<http://www.meetingwizard.com/mwiz/v/r.cfm?m=1329591&mtag=926590724&g=13180757>

A message from the organizer:

Hi everyone, I just wanted to confirm this date for our upper Tuolumne float trip and Wards Ferry/Deer Flat site visits! Also, don't forget to participate in the Lower Tuolumne flow studies beginning Saturday August 17th! -Steve

-- previous message -- Hi everyone,

The Forest Service has graciously offered to take members of the Recreation Working Group down the Tuolumne this July in order to take a look at the Wards Ferry Bridge take-out and the potential Deer Creek/Deer Flats locations. Let me know your availability and I'll start firming up the plan!

Steve

---

MeetingWizard - great meetings begin here!

HOME EMAIL ADDRESSES REMOVED PER SECTION 2.4.3 DON PEDRO PAD

From: Craig, Nancy  
Sent: Monday, July 08, 2013 8:03 PM  
To: Barbara\_Rice@nps.gov; BHackamack [REDACTED]; Harry Williamson;  
jessie@tuolumne.org; jhorn@blm.gov; patrick@tuolumne.org;  
peter@tuolumne.org; scott [REDACTED] rivers [REDACTED];  
arta [REDACTED] info [REDACTED]; smrt@mlode.com;  
bil [REDACTED] sue [REDACTED]  
raft [REDACTED]; ferg [REDACTED]; zrafting [REDACTED]  
chris [REDACTED] bpittman@fs.fed.us; jhilton@fs.fed.us;  
marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us;  
jasminecjackson [REDACTED] chimpson [REDACTED];  
jmera [REDACTED] paul\_martzen [REDACTED]  
romani218 [REDACTED]; george [REDACTED] Stephen\_Bowes@nps.gov;  
Dave Steindorf; bcenter7210 [REDACTED] james [REDACTED]  
picturethis [REDACTED] Greg\_Stock@nps.gov; Gregg [REDACTED];  
tyras [REDACTED]; marty [REDACTED] cindy [REDACTED];  
jkmargid@ucdavis.edu; HotelCharlotte [REDACTED]; tylerw [REDACTED];  
peggy [REDACTED]; angrechko@ucdavis.edu;  
bruce mcgirk [REDACTED] Roger\_Farmer@nps.gov; mecraig@fs.fed.us;  
beobob [REDACTED] dirtbag01 [REDACTED] mbc [REDACTED];  
jer [REDACTED] gdvaughn@fs.fed.us; brooks bryant@fs.fed.us;  
Scott@mcbaintrush.com; mdowd@fs.fed.us; vshumway@fs.fed.us;  
mount@geology.ucdavis.edu; daveb@mid.org;  
elisabeth [REDACTED] Jim\_Roche@nps.gov; rnstanley@fs.fed.us;  
Guptill, Chris; cstevenot [REDACTED] rickeyrat [REDACTED]  
Cc: gregd@mid.org; Joy Warren (Joy.Warren@mid.org); Steve E. Boyd  
(seboyd@tid.org); Wes Monier; Devine, John; Borovansky, Jenna; Craig,  
Nancy  
Subject: Modesto Irrigation District and Turlock Irrigation District 2013 Lower  
Tuolumne River Lowest Boatable Flow Study

\*Upcoming Boater Survey Beginning August 17, 2013\*  
Volunteers Needed!  
Lower Tuolumne River Lowest Boatable Flow Study

Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) are the co-licensees of the Don Pedro Hydroelectric Project (FERC No. 2299). The current license to operate the Don Pedro Project will expire on April 30, 2016, and the Districts are in the process of obtaining a new license to operate from the Federal Energy Regulatory Commission (FERC). The Districts plan to apply for a new license no later than April 30, 2014 and are engaged in a comprehensive suite of over 30 environmental and related studies in support of their license application. Information about the Don Pedro Relicensing is available at: [www.donpedro-relicensing.com](http://www.donpedro-relicensing.com).

One of the studies being conducted is a Lowest Boatable Flow Study on the Lower Tuolumne River. The primary goal of the study is to determine if the Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available. We are seeking participation from

boaters in two types of non-motorized watercraft – (1) hardshell kayaks, inflatable kayaks, and canoes and; (2) drift boat/rafts.

The study is scheduled to begin on Saturday, August 17, 2013, and continue on subsequent weekend days as needed to fulfill the study's primary goal\*.

If you are available to volunteer for this important study, please contact Nancy Craig at (928) 273-5772 or [nancy.craig@hdrinc.com](mailto:nancy.craig@hdrinc.com). We will appreciate hearing from you by Monday, July 22 to assist us in our planning. We will communicate with interested relicensing participants and all who express interest in volunteering to finalize study logistics and protocols.

\*This study schedule is subject to change. We will communicate with boaters who volunteer about any schedule changes.

Please pass this along to any boaters you know who may be interested in participating in this study.

Thank you!

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
(928) 273-5772  
[Nancy.Craig@hdrinc.com](mailto:Nancy.Craig@hdrinc.com)

From: Bowes, Stephen <stephen\_bowes@nps.gov>  
Sent: Monday, July 08, 2013 10:34 PM  
To: Craig, Nancy  
Cc: Barbara\_Rice@nps.gov; BHackamack[REDACTED]; Harry Williamson;  
jessie@tuolumne.org; jhorn@blm.gov; patrick@tuolumne.org;  
peter@tuolumne.org; scott[REDACTED] rivers[REDACTED];  
arta[REDACTED] info[REDACTED]; smrt@mlode.com;  
bill[REDACTED] sue[REDACTED]  
raft[REDACTED]; ferg[REDACTED]; zrafting[REDACTED]  
chris[REDACTED] bpittman@fs.fed.us; jhilton@fs.fed.us;  
marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us;  
jasminecjackson[REDACTED] chimpson[REDACTED];  
jmera[REDACTED] paul\_martzen[REDACTED]  
romani218[REDACTED] net; george[REDACTED] Dave Steindorf;  
bcenter7210[REDACTED]; james[REDACTED] picturethis[REDACTED]  
Greg\_Stock@nps.gov; Gregg[REDACTED]; tyas[REDACTED]  
marty[REDACTED] cindy[REDACTED] jkmargid@ucdavis.edu;  
HotelCharlotte[REDACTED] tylerw[REDACTED] peggy[REDACTED];  
angrechko@ucdavis.edu; brucemcgurk[REDACTED].net;  
Roger\_Farmer@nps.gov; mecraig@fs.fed.us; beobob[REDACTED]  
dirtbag01[REDACTED] mbc[REDACTED] jer[REDACTED]  
gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us;  
Scott@mcbaintrush.com; mdowd@fs.fed.us; vshumway@fs.fed.us;  
mount@geology.ucdavis.edu; daveb@mid.org;  
elisabethb[REDACTED] Jim\_Roche@nps.gov;  
rnstanley@fs.fed.us; Guptill, Chris; cstevenot[REDACTED]  
rickeyrat[REDACTED] gregd@mid.org; Joy Warren  
(Joy.Warren@mid.org); Steve E. Boyd (seboyd@tid.org); Wes Monier;  
Devine, John; Borovansky, Jenna  
Subject:Re: Modesto Irrigation District and Turlock Irrigation District 2013  
Lower Tuolumne River Lowest Boatable Flow Study

Nancy,

I will be there for all the flow study days.

On Mon, Jul 8, 2013 at 5:03 PM, Craig, Nancy <Nancy.Craig@hdrinc.com> wrote:

\*Upcoming Boater Survey Beginning August 17, 2013\*

Volunteers Needed!

Lower Tuolumne River Lowest Boatable Flow Study

Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) are the co-licensees of the Don Pedro Hydroelectric Project (FERC No. 2299). The current license to operate the Don Pedro Project will expire on April 30, 2016, and the Districts are in the process of obtaining a new license to operate from the Federal Energy Regulatory Commission (FERC). The Districts plan to apply for a new license no later than April 30, 2014 and are engaged in a comprehensive suite of over 30 environmental and related studies in support of their license application. Information about the Don Pedro Relicensing is available at:

HOME EMAIL ADDRESSES REMOVED PER SECTION 2.4.3 DON PEDRO PAD

From: Craig, Nancy  
Sent: Tuesday, July 09, 2013 12:48 PM  
To: 'Patrick Koepele'  
Cc: 'Bowes, Stephen'  
Subject: RE: Modesto Irrigation District and Turlock Irrigation District 2013 Lower Tuolumne River Lowest Boatable Flow Study

Thanks Patrick. Any thoughts on additional contacts will be much appreciated.

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
(928) 273-5772  
Nancy.Craig@hdrinc.com

From: Patrick Koepele [mailto:patrick@tuolumne.org]  
Sent: Tuesday, July 09, 2013 9:38 AM  
To: Craig, Nancy  
Cc: 'Bowes, Stephen'  
Subject: RE: Modesto Irrigation District and Turlock Irrigation District 2013 Lower Tuolumne River Lowest Boatable Flow Study

Hi Nancy,

I'm out on vacation on the 17th. I'll forward this to our members to try to help get some folks out.

-Patrick

From: Craig, Nancy [mailto:Nancy.Craig@hdrinc.com]  
Sent: Monday, July 08, 2013 5:03 PM  
To: Barbara\_Rice@nps.gov; BHackamack [REDACTED] Harry Williamson; jessie@tuolumne.org; jhorn@blm.gov; patrick@tuolumne.org; peter@tuolumne.org; scott [REDACTED] rivers [REDACTED] arta [REDACTED] info [REDACTED] smrt@mlode.com; bil [REDACTED] sue [REDACTED] raft [REDACTED]; ferg [REDACTED] zrafting [REDACTED]; chris [REDACTED] bpittman@fs.fed.us; jhilson@fs.fed.us; marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us; jasminecackson [REDACTED] chimpson [REDACTED] jmera [REDACTED] paul\_martzen [REDACTED] romani218 [REDACTED]; george [REDACTED] Stephen\_Bowes@nps.gov; Dave Steindorf; bcenter7210 [REDACTED]; james [REDACTED] picturethis [REDACTED] Greg\_Stock@nps.gov; Gregg [REDACTED]; tyras [REDACTED] marty [REDACTED] cindy [REDACTED] jkmargid@ucdavis.edu; HotelCharlotte [REDACTED]; tylerw [REDACTED] peggy [REDACTED] angrechko@ucdavis.edu; brucemcgurk [REDACTED] Roger\_Farmer@nps.gov; mecraig@fs.fed.us; beobob [REDACTED] [REDACTED] mbd [REDACTED]; jen [REDACTED]; gdvaughn@fs.fed.us; brooksbyrant@fs.fed.us; Scott@mcbaintrush.com; mdowd@fs.fed.us; vshumway@fs.fed.us; mount@geology.ucdavis.edu; daveb@mid.org; elisabethb [REDACTED] Jim\_Roche@nps.gov; rstanley@fs.fed.us; Guptill, Chris; cstevenot [REDACTED] rickeyrat [REDACTED]  
Cc: gregd@mid.org; Joy Warren (Joy.Warren@mid.org); Steve E. Boyd (seboyd@tid.org); Wes Monier;

From: Peter Drekmeier <Peter@tuolumne.org>  
Sent: Thursday, July 18, 2013 6:08 PM  
To: Craig, Nancy  
Subject: Re: Lower Tuolumne River Lowest Boatable Flow Study -  
teleconference to discuss schedule and protocols

Hi Nancy,

I just wanted to give you a heads up that I was speaking with Patrick Koepele here at TRT, and he reminded me that we're thinking of offering summer rafting trips on the lower T, so there will likely be some interest in keeping rafts as part of the study. We'll see next week.

Thanks.

-Peter

-----  
Peter Drekmeier  
Bay Area Program Director  
Tuolumne River Trust  
111 New Montgomery, #205  
San Francisco, CA 94105  
(415) 882-7252 x 302  
peter@tuolumne.org  
<http://www.tuolumne.org/bayarea>

On Jul 18, 2013, at 11:29 AM, Craig, Nancy wrote:



Don Pedro Relicensing Participants and all interested in recreation:

As some of you have already heard, Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) are seeking volunteer boaters to participate in the Lowest Boatable Flow Study on the Lower Tuolumne River.

Thank you to those who have already responded with interest and willingness to participate!

The study is scheduled to begin on Saturday, August 17, 2013, and continue on subsequent weekend days as needed to fulfill the study's primary goal of determining if the Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available. Currently, to accommodate FERC staff recommendations (see May 21, 2013 letter to the Districts), the schedule is tentatively set as follows:

Date

Study flow (cfs)

Saturday, August 17, 2013

200

Saturday, August 24, 2013

175

Saturday, September 7, 2013

150

Saturday, September 14, 2013

125

Saturday, September 21, 2013

100

Depending on each study day's results, subsequent study days may not be necessary. That is, the study will be considered complete when the lowest boatable flow has been identified.

Start time for each study day will be 10:00 AM, with location varying according to what reach of the river volunteer boaters are assigned.

This study schedule is subject to change. We will discuss the schedule during the teleconference described below and communicate with boaters who volunteer about any schedule changes.

We continue to seek volunteers for this study. Please contact me by July 22, 2013 at [nancy.craig@hdrinc.com](mailto:nancy.craig@hdrinc.com) or (928) 273-5772 if you would like to volunteer.

Also, at this time, I would like to schedule a teleconference of 1 – 1.5 hours to discuss the study schedule and protocols. FERC staff's May 21, 2013 letter recommended the study be modified to include a determination of the lowest boatable flow for: (1) hardshell kayaks, inflatable kayaks, and canoes; and (2) drift boat/rafts on each section of the lower Tuolumne River between Old La Grange Bridge (RM 51) and Riverdale Park (RM 12). FERC staff states that the study should achieve the required 5 to 8 boaters (with no financial connection to the Districts) for both groups of watercraft types for each section of the river. During the teleconference, we will consider ways to reduce the geographic scope of the study, the flows to be assessed, and the watercraft types to be included with the hope of reducing the total number of days and volunteers needed to complete the study. This would reduce the burden on volunteers and increase the probability of successfully achieving study objectives related to volunteer participation rates.

With this email, I am seeking input via a Doodle Poll on the best time to have this brief but important discussion. If you are interested in discussing the study schedule and protocols, please visit the following link and record your availability for a teleconference:

<http://www.doodle.com/s4uzqys9rkxduqag>

Proposed dates are next Wednesday through Friday, July 24 – 26. Please respond to the Doodle Poll by 5:00 PM, Friday, July 19.

Thank you,

Nancy H. Craig, Project Manager

HDR Engineering, Inc.

(928) 273-5772

Nancy.Craig@hdrinc.com

**Staples, Rose**

---

**From:** Craig, Nancy  
**Sent:** Thursday, July 18, 2013 2:30 PM  
**To:** Alves, Jim; Amerine, Bill; Asay, Lynette; Barnes, James; Barnes, Peter; Barrera, Linda; Blake, Martin; Bond, Jack; Borovansky, Jenna; Boucher, Allison; Bowes, Stephen; Bowman, Art; Brennenman, Beth; Buckley, John; Buckley, Mark; Burke, Steve; Burt, Charles; Byrd, Tim; Cadagan, Jerry; Carlin, Michael; Charles, Cindy; Colvin, Tim; Costa, Jan; Cowan, Jeffrey; Cox, Stanley Rob; Cranston, Peggy; Cremeen, Rebecca; Damin Nicole; Day, Kevin; Day, P; Denean; Derwin, Maryann Moise; Devine, John; Donaldson, Milford Wayne; Dowd, Maggie; Drake, Emerson; Drekmeier, Peter; Edmondson, Steve; Eicher, James; Fargo, James; Ferranti, Annee; Ferrari, Chandra; Findley, Timothy; Fleming, Mike; Fuller, Reba; Furman, Donn W; Ganteinbein, Julie; Giglio, Deborah; Gorman, Elaine; Grader, Zeke; Gutierrez, Monica; Hackmack, Robert; Hastreiter, James; Hatch, Jenny; Hayat, Zahra; Hayden, Ann; Hellam, Anita; Heyne, Tim; Holley, Thomas; Holm, Lisa; Horn, Jeff; Horn, Timi; Hudelson, Bill; Hughes, Noah; Hughes, Robert; Hume, Noah; Jackson, Zac; Jauregui, Julia; Jennings, William; Jensen, Art; Jensen, Laura; Johannis, Mary; Johnson, Brian; Jones, Christy; Jsansley, Justin; Keating, Janice; Kempton, Kathryn; Kinney, Teresa; Koepele, Patrick; Kordella, Lesley; Le, Bao; Levin, Ellen; Linkard, David; Loy, Carin; Lwenya, Roselynn; Lyons, Bill; Madden, Dan; Manji, Annie; Marko, Paul; Marshall, Mike; Martin, Michael; Martin, Ramon; Mathiesen, Lloyd; McDaniel, Dan; McDevitt, Ray; McDonnell, Marty; Mein Janis; Mills, John; Morningstar Pope, Rhonda; Motola, Mary; Murphey, Gretchen; Murray, Shana; O'Brien, Jennifer; Orvis, Tom; Ott, Bob; Ott, Chris; Paul, Duane; Pavich, Steve; Pool, Richard; Porter, Ruth; Powell, Melissa; Puccini, Stephen; Raeder, Jessie; Ramirez, Tim; Rea, Maria; Reed, Rhonda; Richardson, Daniel; Richardson, Kevin; Ridenour, Jim; Riggs T; Robbins, Royal; Romano, David O; Roos-Collins, Richard; Rosekrans, Spreck; Roseman, Jesse; Rothert, Steve; Sandkulla, Nicole; Saunders, Jenan; Schutte, Allison; Sears, William; Shakal, Sarah; Shipley, Robert; Shumway, Vern; Shutes, Chris; Sill, Todd; Slay, Ron; Smith, Jim; Staples, Rose; Stapley, Garth; Steindorf, Dave; Steiner, Dan; Stender, John; Stone, Vicki; Stork, Ron; Stratton, Susan; Taylor, Mary Jane; Terpstra, Thomas; TeVelde, George; Thompson, Larry; Tmberliner; Ulibarri, Nicola; Ulm, Richard; Vasquez, Sandy; Verkuil, Colette; Vierra, Chris; Wantuck, Richard; Welch, Steve; Wenger, Jack; Wesselman, Eric; Wetzel, Jeff; Wheeler, Dan; Wheeler, Dave; Wheeler, Douglas; White, David K; Wilcox, Scott; Williamson, Harry; Willy, Allison; Wilson, Bryan; Winchell, Frank; Wooster, John; Workman, Michelle; Yoshiyama, Ron; Zipser, Wayne; Barbara\_Rice@nps.gov; bil [REDACTED]; bpittman@fs.fed.us; chimpson [REDACTED]; chris [REDACTED]; dfoote@fs.fed.us; ferg [REDACTED]; info [REDACTED]; jasminecjackson [REDACTED]; jhilson@fs.fed.us; [REDACTED]; lcphillips@fs.fed.us; marycross@fs.fed.us; raf [REDACTED]; rivers [REDACTED]; scot [REDACTED]; smrt@mlode.com; sue [REDACTED]; zrafting [REDACTED]

**Cc:** gregd@mid.org; Joy Warren (Joy.Warren@mid.org); Steve E. Boyd (seboyd@tid.org); Wes Monier; Borovansky, Jenna; Devine, John

**Subject:** Lower Tuolumne River Lowest Boatable Flow Study - teleconference to discuss schedule and protocols

Don Pedro Relicensing Participants and all interested in recreation:

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outs are available. Currently, to accommodate FERC staff recommendations (see May 21, 2013 letter to the Districts), the schedule is tentatively set as follows:

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Depending on each study day's results, subsequent study days may not be necessary. That is, the study will be considered complete when the lowest boatable flow has been identified.

Start time for each study day will be 10:00 AM, with location varying according to what reach of the river volunteer boaters are assigned.

**This study schedule is subject to change. We will discuss the schedule during the teleconference described below and communicate with boaters who volunteer about any schedule changes.**

We continue to seek volunteers for this study. Please contact me by July 22, 2013 at [nancy.craig@hdrinc.com](mailto:nancy.craig@hdrinc.com) or (928) 273-5772 if you would like to volunteer.

Also, at this time, I would like to schedule a teleconference of 1 – 1.5 hours to discuss the study schedule and protocols. FERC staff's May 21, 2013 letter recommended the study be modified to include a determination of the lowest boatable flow for: (1) hardshell kayaks, inflatable kayaks, and canoes; and (2) drift boat/rafts on each section of the lower Tuolumne River between Old La Grange Bridge (RM 51) and Riverdale Park (RM 12). FERC staff states that the study should achieve the required 5 to 8 boaters (with no financial connection to the Districts) for both groups of watercraft types for each section of the river. During the teleconference, we will consider ways to reduce the geographic scope of the study, the flows to be assessed, and the watercraft types to be included with the hope of reducing the total number of days and volunteers needed to complete the study. This would reduce the burden on volunteers and increase the probability of successfully achieving study objectives related to volunteer participation rates.

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<http://www.doodle.com/s4uzqys9rkxdugag>

Proposed dates are next Wednesday through Friday, July 24 – 26. Please respond to the Doodle Poll by 5:00 PM, Friday, July 19.

Thank you,  
Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
1825 N. Tegner St.  
Wickenburg, AZ 85390  
(928) 273-5772  
[Nancy.Craig@hdrinc.com](mailto:Nancy.Craig@hdrinc.com)

From: Theresa - American Whitewater <theresa@americanwhitewater.org>  
Sent: Friday, July 19, 2013 12:20 AM  
To: Craig, Nancy  
Cc: Dave Steindorf; Stephen Bowes  
Subject: Lower Tuolumne River Lowest Boatable Flow Study - teleconference to discuss schedule and protocols

Hi Nancy,

Please add me to your list of volunteers for the flow study & on your distro list for future meetings or conference calls.

Thanks.

Theresa L. Simsiman  
American Whitewater  
California Stewardship Assistant  
916-835-1460

From: Bowes, Stephen <stephen\_bowes@nps.gov>  
Sent: Friday, July 26, 2013 6:20 PM  
To: Craig, Nancy  
Subject: Tentative agreement from today

Hi everyone,

Here are my call notes regarding the tentative agreement we came to today.

#### Study Modifications

HDR will work with the recreation task force to include questions about optimal boating such as, "Did the flow provide a recreational experience" and "Would you return to boat at this cfs level"

Day 1: 200cfs

Day 2: 150cfs

Day 3: 175cfs or 125cfs depending on Day 2 experience

Day 4: 100cfs if 125cfs on Day 3 was fun

2 rafts per reach, per study day

4 canoes and/or kayaks per reach, per study day

Old LaGrange Bridge to Turlock Lake SP segment

Turlock Lake SP to Waterford segment

Riverdale to Shiloh Bridge segment

#### FERC required Study Aspects Given Up

One full study day by making Day 3 an either 175cfs or 125cf day

5-8 people per watercraft type per reach

Waterford to Riverdale (20 river miles)

**From:** "Martin, Ramon" <[ramon\\_martin@fws.gov](mailto:ramon_martin@fws.gov)>  
**Subject:** Re: draft 2014 Don Pedro predation study plan  
**Date:** July 26, 2013 6:35:42 PM PDT  
**To:** Andrea Fuller <[andreafuller11@comcast.net](mailto:andreafuller11@comcast.net)>  
**Cc:** "Jackson, Zachary" <[zachary\\_jackson@fws.gov](mailto:zachary_jackson@fws.gov)>, Tim Heyne <[theyne@dfg.ca.gov](mailto:theyne@dfg.ca.gov)>, "Manji, Annie@Wildlife" <[Annie.Manji@wildlife.ca.gov](mailto:Annie.Manji@wildlife.ca.gov)>, Peter Barnes <[pbarnes@waterboards.ca.gov](mailto:pbarnes@waterboards.ca.gov)>, Patrick Koepele <[patrick@tuolumne.org](mailto:patrick@tuolumne.org)>, Monica Gutierrez <[Monica.Gutierrez@noaa.gov](mailto:Monica.Gutierrez@noaa.gov)>, "Chris Shutes" <[blancapaloma](mailto:blancapaloma)>, "Murphey, Gretchen@Wildlife" <[Gretchen.Murphey@wildlife.ca.gov](mailto:Gretchen.Murphey@wildlife.ca.gov)>, john devine <[john.devine@hdrinc.com](mailto:john.devine@hdrinc.com)>, "Borovansky, Jenna" <[Jenna.Borovansky@hdrinc.com](mailto:Jenna.Borovansky@hdrinc.com)>, Jason Guignard <[jasonguignard@fishbio.com](mailto:jasonguignard@fishbio.com)>, Matt Peterson <[mattpeterson@fishbio.com](mailto:mattpeterson@fishbio.com)>, "Karl English" <[kenglish@lgl.com](mailto:kenglish@lgl.com)>, Carl Schwarz <[cschwarz@cs.sfu.ca](mailto:cschwarz@cs.sfu.ca)>, "Ronald M. Yoshiyama" <[rmyoshiyama@ucdavis.edu](mailto:rmyoshiyama@ucdavis.edu)>, "Sears, William" <[WSears@sfwater.org](mailto:WSears@sfwater.org)>, Noah Hume <[noah@stillwatersci.com](mailto:noah@stillwatersci.com)>

Andrea,

Attached are my edits and comments. I really appreciate your collaboration and willingness to incorporate our recommendations. We look forward to this study and the information it will provide for the relicensing process.

Thanks,  
Ramon Martin  
Assistant Program Manager  
Anadromous Fish Restoration Program  
US Fish and Wildlife Service  
850 S. Guild Ave., Suite 105  
Lodi, CA 95240  
(209) 334-2968 ext. 401  
(209) 334-2171 Fax

Our mission is, working with others, to conserve,  
protect and enhance fish, wildlife, and plants  
and their habitats for the continuing benefit  
of the American people.

On Tue, Jul 23, 2013 at 11:46 AM, Andrea Fuller <[andreafuller11@comcast.net](mailto:andreafuller11@comcast.net)> wrote:

Please find attached an initial draft study plan for the 2014 Don Pedro Predation Study. This initial draft reflects recommendations provide by USFWS and discussion of study plan design on June 19. This document has been sent to a sub-group of relicensing participants, primarily those who participated in the June 19<sup>th</sup> meeting regarding study plan development. We are seeking



general comments on this draft with the intent of identifying and addressing any major concerns prior to issuing a draft to all relicensing participants for a formal 30 day review. Please provide comments by COB Monday, July 29.

Thank you,

Andrea Fuller

## Staples, Rose

---

**From:** Craig, Nancy  
**Sent:** Monday, July 29, 2013 2:19 AM  
**To:** 'Theresa - American Whitewater'  
**Cc:** peter@tuolumne.org; patrick@tuolumne.org; 'Williamson, Harry'; Bowes, Stephen (stephen\_bowes@nps.gov); 'rebecca@tuolumne.org'; Boyd, Steve (seboyd@tid.org); Wes Monier (fwmonier@tid.org)  
**Subject:** Descriptions of selected lower Tuolumne river reaches  
**Attachments:** Text for Study RR-03 Att A.doc

Theresa,

Thank you for your time and interest in the Lower Tuolumne River Lowest Boatable Flow Study. As we discussed in the teleconference on Friday, July 26, I am providing you a description of selected lower Tuolumne River reaches for you to use in soliciting volunteers for the study.

*Old LaGrange Bridge (RM 51) to Turlock Lake State Recreation Area (RM 42)*

Length of Reach: 9 miles.

Elevation Range: 173 ft to 123 ft.

Average Gradient: 5.66 feet per mile (ft/mi) (ranges from 5.88 to 5.45 ft/mi).

*Turlock Lake State Recreation Area (RM 42) to Riverwalk Park in Waterford (RM 32)*

Length of Reach: 10 miles.

Elevation Range: 123 ft to 68 ft.

Average Gradient: 3.72 ft/mi (ranges from 5.45 to 2.00 ft/mi).

*Riverdale Park (RM 12) to Shiloh Bridge Fishing Access (RM 4)*

Length of Reach: 8 miles.

General characterization: Open, wide, flatwater.

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
1825 N. Tegner St.  
Wickenburg, AZ 85390  
(928) 273-5772  
[Nancy.Craig@hdrinc.com](mailto:Nancy.Craig@hdrinc.com)

General Experience and Preference Questions:

Roughly how many times have you boated the reach? \_\_\_\_ times total / \_\_\_\_ time per year

How many years have you been boating the reach? \_\_\_\_ years

In general, how many days per year do you spend boating? \_\_\_\_ days per year

What type of boats do you commonly use?

How would you rate your skill level with each type of craft?

People appear to know flows on the rivers in several different ways. Which flow information do you pay attention to?

How far in advance do you need that flow information in order to use it for planning trips?

If you were to run the river without knowing what the gage said, how close do you think you'd be:

- Just know whether it was high or low in general terms
- Would be within 20% of the cfs
- Would be within 10% of the cfs

Roughly how many miles is it from your home to the Project Area?

Whitewater Reach-Specific Questions:

Describe the run.

- Whitewater Classification of the run?
- Are there any portages on the run?
- Any problems with hits/stops/drag that they can remember?
- Are there any whitewater "play" spots on this run?

Describe the following flow ranges for the reach:

- Acceptable range for technical boating
- Acceptable range for standard boating
- Optimal range for standard boating
- Start of big water boating
- Lowest/highest flow you have ever boated

Availability of the run

- How do you know when it's useable? When is the reach usually runnable? Is there flow info available?
- When do they normally do the run? Months
- How many years has the run been available in the last decade?

Describe the shuttle and access considerations

Describe the access to the put-in site; the take-out site (trail, road, etc.)

Where do they think a good take-out place would be? Is there a road to it? Map it out.

How long is the paddle out now? How much flatwater is there? Min, Max? How long does it usually take? Min, Max?

Are there any river access locations they would like to use but cannot? Why not?

How do they think the shuttle would work? What is the shuttle route or options? How long is the shuttle?

Any problems now with parking at put-in? At take out?

Rate overall access quality (1=totally unacceptable, 2=slightly unacceptable, 3=marginal, 4=slightly acceptable, 5=totally acceptable).

What don't you like about the run?

Any other issues with this run?

#### Regional assessment issues

What are other comparable runs to this one (Rating: 1=worse than others, 3=similar to others, 5=better than others):

- On the Project-affecter reaches (Bear, MYR, SYR, Canyon Ck, Fordyce Creek)?
- In Northern California?
- Within 250 mile radius?

#### Demand/Use considerations

What do they think is the potential size of the user group for this run? What would happen if improvements were made (ex. shuttle, access road)? How much would use go up? How many user days do you think the run has now?

Would anything make them use these stretches more? Any improvements they would like (bathrooms, access, facilities, other put-in/take-out areas)?

Any problems/conflicts with other flow-related recreation users?

Is there a willingness to pay a small user fee to support the development and maintenance of facilities (i.e., parking, garbage collection, bathrooms)? If so, how large should the fee be?

## II. Angler Focus Group

### Access Issues

Identify existing access locations, how they work, and what fishing areas they provide access to.  
[Identify these areas on a map]

Identify typical use levels by season and time of day.

Identify any constraints to angling and any potential solutions to these constraints?

Rate overall access quality (1=totally unacceptable, 2=slightly unacceptable, 3=marginal, 4=slightly acceptable, 5=totally acceptable).

### Type and Quality of Fishing Opportunity

Target species

Types of fishing (wade/boat/tube/shore; spin/bait/fly)

Likely flow ranges for each type of opportunity.

Rough estimate of angling success (fish per hour of effort; size, etc.)

Seasonality and time of day considerations on fishing success

### Experience

Total years fishing?

Total years within the Project Area?

Typical days per year?

### Flow Level Issues

Identify gages they may use to estimate flow/water level and whether those appear to reflect conditions in the resource area.

Estimate flow/water level ranges – acceptable and optimal – for types of fishing identified above  
Identify potential problems at high or low flows/water levels (turbidity, spooky fish, lethargic fish, etc.)

If this information is currently not available for the resources area, discuss ways of collecting it as they fish reaches this coming spring/summer.

Identify if and how Project operations are having substantial impacts on fishability for the resource area

#### Regional assessment issues

List similar reaches on nearby rivers and discuss similarities/differences (Rating: 1=worse than others, 3=similar to others, 5=better than others)

Within 2 hours?

Within Northern California (4 hours)?

Estimate size of local angling community in region.

Discuss the proportion of anglers who do different types of fishing.

#### Potential Management issues

Crowding? Facilities? Safety/liability? Conflicts with others (users, residents/visitors)?

### III. Other Recreation Activity Questions – To Be Asked at Boating & Angling Focus Groups

Do you participate in other recreation activities along the reach? Angling? Swimming? Tubing? Other???

#### A. Swimming Questions:

Identify major swimming areas on a map; associate names with each site (if possible)

Describe access issues:

Identify existing access locations, how they work, and what fishing areas they provide access to.

[Identify these areas on a map]

Rate quality (1=totally unacceptable, 4=marginal, 7=totally acceptable).

Please identify why you chose the rating you did.

From: Dave Steindorf <dave@americanwhitewater.org>  
Sent: Monday, July 29, 2013 2:28 PM  
To: Craig, Nancy  
Cc: Barbara\_Rice@nps.gov; BHackamack [REDACTED]; Harry Williamson;  
jessie@tuolumne.org; jhorn@blm.gov; patrick@tuolumne.org;  
peter@tuolumne.org; scott [REDACTED]; rivers [REDACTED];  
[REDACTED] e [REDACTED]; smrt@mlode.com;  
bil [REDACTED] sue [REDACTED]  
raft [REDACTED]; ferg [REDACTED]; zrafting [REDACTED]  
chris [REDACTED] bpittman@fs.fed.us; jhilton@fs.fed.us;  
marycross@fs.fed.us; dfoote@fs.fed.us; lcphillips@fs.fed.us;  
jasminecjackson [REDACTED] chimpson [REDACTED];  
jmera [REDACTED] paul\_martzen [REDACTED]  
romani218 [REDACTED]; george [REDACTED]  
Stephen\_Bowes@nps.gov; bcenter7210 [REDACTED] james [REDACTED]  
picturethis [REDACTED] Greg\_Stock@nps.gov; Gregg [REDACTED]  
tyras@ [REDACTED]; marty [REDACTED];  
jkmargid@ucdavis.edu; HotelCharlotte [REDACTED]; tylerw [REDACTED];  
peggy [REDACTED] angrechko@ucdavis.edu;  
brucemcgurk [REDACTED] Roger\_Farmer@nps.gov;  
mecraig@fs.fed.us; beobob [REDACTED] [REDACTED]  
mb [REDACTED]; jer [REDACTED]; gdvaughn@fs.fed.us;  
brooksbyrant@fs.fed.us; Scott@mcbaintrush.com; mdowd@fs.fed.us;  
vshumway@fs.fed.us; mount@geology.ucdavis.edu; daveb@mid.org;  
elisabeth [REDACTED] Jim\_Roche@nps.gov;  
rnstanley@fs.fed.us; Guptill, Chris; cstevenot [REDACTED]  
rickeyrat [REDACTED] gregd@mid.org; Joy Warren  
(Joy.Warren@mid.org); Steve E. Boyd (seboyd@tid.org); Wes Monier;  
Devine, John; Borovansky, Jenna  
Subject:Re: Modesto Irrigation District and Turlock Irrigation District 2013  
Lower Tuolumne River Lowest Boatable Flow Study  
Attachments: Standard Boating Survey Question.docx

All:

Attached are some standard flow study questions for you to consider adding to the survey. These were taken from the study being done by HDR on the Yuba, but these same questions have been used on countless studies in CA and across the Country.

Dave

Dave Steindorf  
California Stewardship Director  
American Whitewater  
4 Baroni Drive  
Chico, CA 95928  
530.518.2729

Join or donate today!  
[www.americanwhitewater.org](http://www.americanwhitewater.org)

On Jul 29, 2013, at 3:15 AM, Craig, Nancy wrote:

\*Upcoming Boater Survey Beginning August 17, 2013\*  
Volunteers Needed!  
Lower Tuolumne River Lowest Boatable Flow Study

Turlock Irrigation District (TID) and Modesto Irrigation District (MID) (collectively, the Districts) continue to seek volunteers for the Lowest Boatable Flow Study on the Lower Tuolumne River. The primary goal of the study is to determine if the Don Pedro Hydroelectric Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River where put-ins and take-outs are available. We are seeking participation from boaters in two types of non-motorized watercraft – (1) hardshell kayaks, inflatable kayaks, and canoes and; (2) drift boat/rafts.

The study is scheduled to begin on Saturday, August 17, 2013, and continue on subsequent Saturday's as needed to fulfill the study's primary goal\*.

If you are available to volunteer for this important study or if you would like more information, please contact Nancy Craig at (928) 273-5772 or [nancy.craig@hdrinc.com](mailto:nancy.craig@hdrinc.com). We will appreciate hearing from you by Friday, August 9 to assist us in our planning. We will communicate with all who express interest in volunteering to finalize study logistics and protocols.

\*This study schedule is subject to change. We will communicate with boaters who volunteer about any schedule changes.

Please pass this along to any non-motorized boaters you know who may be interested in participating in this study.

Thank you!

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
(928) 273-5772  
[Nancy.Craig@hdrinc.com](mailto:Nancy.Craig@hdrinc.com)

## Standard Boating Survey Question

Are you likely to return for future boating if today's flow were to be provided? (*circle one*)

- a) Definitely No                      b) Possibly      c) Probably      d) Definitely Yes

Relative to today's flow, would you prefer a flow that was higher or lower or was this optimum flow?

- a) Much Lower                      b) Lower      c) Higher      d) Much Higher  
e) Optimum

Please estimate the number of **hits**, **stops**, **boat drags**, and **portages** you had on this run.

- a) I **hit** rocks or other obstacles (but did not stop) about \_\_\_\_ times.
- b) I was **stopped** after hitting rocks or other obstacles about \_\_\_\_ times (but did not have to get out of my boat to continue downstream).
- c) I had to get out to **drag or pull my boat** off rocks or other obstacles about \_\_\_\_ times.



From: Craig, Nancy  
Sent: Tuesday, **July 30, 2013** 9:00 AM  
To: 'Bowes, Stephen'; Shumway, Vern -FS  
Subject: RE: an HDR engineer?

Hello Vern,

I will appreciate details of the logistics for the August 6 site visit.

As far as the lower Tuolumne lowest boatable flow study and Steve's suggestion below: the Districts are seeking volunteers who should plan on bringing or arranging for their own watercraft. The Districts will not be arranging for watercraft for volunteers.

Thanks,

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
(928) 273-5772  
Nancy.Craig@hdrinc.com

From: Bowes, Stephen [mailto:stephen\_bowes@nps.gov]  
Sent: Monday, **July 29, 2013** 10:07 PM  
To: Craig, Nancy; Shumway, Vern -FS  
Subject: Re: an HDR engineer?

Nancy,

You and Vern should also talk about the lower Tuolumne flow study. He offered some rafts and I will be bringing people who do not have their own watercrafts, so any extra watercraft would be greatly appreciated! I will be bringing the NPS IK for every day of the study.

On Mon, **Jul 29, 2013** at 9:41 PM, Bowes, Stephen <stephen\_bowes@nps.gov> wrote:

Nancy,

Vern is graciously handling the logistics.

-Steve

Vern, can you tell Nancy what she needs to know? thanks.

-Steve

----- Forwarded message -----

From: Craig, Nancy <Nancy.Craig@hdrinc.com>  
Date: Mon, **Jul 29, 2013** at 6:31 PM  
Subject: Re: an HDR engineer?  
To: "Bowes, Stephen" <stephen\_bowes@nps.gov>

Steve,  
Where will we put-in and take-out on the August 6 trip?  
Thanks,  
Nancy

On **Jul 29, 2013**, at 2:38 PM, "Bowes, Stephen" <stephen\_bowes@nps.gov> wrote:

> I was just talking to Vern Shumway at the Forest Service and he thought it would be a good idea for you to bring along an engineer. Is there anyone in Sacramento who would be interested in joining us?

>

> --

> Stephen M. Bowes  
> Hydropower Assistance Program  
> National Park Service  
> 333 Bush Street, Suite 500  
> San Francisco, CA 94104  
> Phone: 415-623-2321  
> Fax: 415-623-2387

--

## Staples, Rose

---

**From:** Craig, Nancy  
**Sent:** Thursday, August 01, 2013 11:30 AM  
**To:** peter@tuolumne.org; patrick@tuolumne.org; 'Williamson, Harry'; 'Theresa - American Whitewater'; Bowes, Stephen (stephen\_bowes@nps.gov); 'rebecca@tuolumne.org'  
**Cc:** Boyd, Steve (seboyd@tid.org); Wes Monier (fwmonier@tid.org)  
**Subject:** Lower Tuolumne River Lowest Boatable Flow Study - 2012 survey instrument  
**Attachments:** Study RR-03 - Survey Instrument FINAL.pdf

Please find the 2012 survey instrument attached.

In my opinion, the map feature was not helpful because it is hard to say exactly where you are on the river once you leave the put-in. Because the study reaches are fairly short and there are no portages required for safety related to whitewater features, I think information about hazards and challenges and other recreationists on the reach overall is just as helpful as pinpoint locations. Perhaps it would be most useful if someone collects GPS data on hazards and challenges. Or maybe TRT already has this information from PTS experience.

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
1825 N. Tegner St.  
Wickenburg, AZ 85390  
(928) 273-5772  
[Nancy.Craig@hdrinc.com](mailto:Nancy.Craig@hdrinc.com)

## BOATING SURVEY for the LOWER TUOLUMNE RIVER

**Thank you for participating in the Lower Tuolumne River Boatable Flow Study. The following questionnaire will help MID and TID understand more about the lowest boatable flow on the Lower Tuolumne River.**

**1. Approximately how many times have you boated this reach?**

- a. Total number of times (including today) \_\_\_\_\_  
 b. Number of time in the last 12 months (including today) \_\_\_\_\_  
 c. What months of the year do you normally boat this reach? (Circle all that apply)  
 Jan Feb Mar Apr Ma Jun Jul Aug Sep Oct Nov Dec

**2. How many years have you been boating the reach? \_\_\_\_\_**

**3. In general, how many days per year do you spend flatwater boating? \_\_\_\_\_**

**4. What type of boats do you commonly use for flatwater boating?**

- ☐ Canoe      ☐ Sit-on-top kayak      ☐ Tube  
☐ Kayak      ☐ Drift raft      ☐ Other. Specify: \_\_\_\_\_

**5. How would you rate your flatwater boating skill level?**

- ☐ Expert      ☐ Intermediate  
☐ Highly skilled      ☐ Novice/Beginner

**6. What sources of information do you use for Lower Tuolumne River flow information? (Check all that apply.)**

- ☐ USGS website      ☐ Visual observation      ☐ I don't look for flow information  
☐ TID or MID websites      ☐ Other boaters

**7. How far in advance do you need flow information to use it for planning trips to the Lower Tuolumne River?**

- ☐ More than 48 hours      ☐ 12-24 hours  
☐ 24-48 hours      ☐ Fewer than 12 hours

**8. Approximately how many miles is it from your home to here? \_\_\_\_\_**

**9. Based on your experience, list comparable river reaches to this one.**

- a. \_\_\_\_\_  
 b. \_\_\_\_\_  
 c. \_\_\_\_\_  
 d. \_\_\_\_\_  
 e. \_\_\_\_\_

### Questions About the Run You Just Completed

**10. Please indicate the date, flow level, put-in & take-out locations for your run.**

- a. Date: \_\_\_\_\_  
 b. Flow (cfs): \_\_\_\_\_  
 c. Put-in location: \_\_\_\_\_  
 d. Take-out location: \_\_\_\_\_

**11. What type of watercraft did you use?**

- ☐ Canoe      ☐ Sit-on-top kayak      ☐ Tube  
☐ Kayak      ☐ Drift raft      ☐ Other. Specify: \_\_\_\_\_

**12. Did you encounter other boaters during this run (not part of this study group)?**

- ☐ No      ☐ Yes ► How many? \_\_\_\_\_. What type of watercraft? \_\_\_\_\_

**13. What type of hazards and challenges did you encounter on this run?**

- ☐ Portages. How many? \_\_\_\_\_  
☐ Debris or overhanging vegetation that was difficult to avoid. How many locations? \_\_\_\_\_  
☐ Scraped bottom. How many times? \_\_\_\_\_  
☐ Exciting or fun runs or chutes. How many locations? \_\_\_\_\_

**Using the map on the back, mark the locations of hazards & challenges you encountered.**  
 (P =Portage, D=Debris/overhanging vegetation, Sc =Scraped bottom, E=Exciting/fun run or chute)

**14. How long did it take you to complete the run? \_\_\_\_\_hours \_\_\_\_\_minutes**

**15. For the watercraft-type you boated in for this run, was this flow boatable?**

- ☐ No      ☐ Yes

**16. Do you think this flow is boatable for other watercraft-types?**

- ☐ No      ☐ Yes If YES, which types? \_\_\_\_\_

**17. Describe the quality & functionality of the put-in & take-out locations you used.**

- a. Put-In: \_\_\_\_\_  
 \_\_\_\_\_  
 b. Take-Out: \_\_\_\_\_  
 \_\_\_\_\_

### Recreation Activities Other Than Boating

**18. Did you observe any recreation activity besides boating during this run?**

- ☐ Swimming      ☐ Bicycling      ☐ Relaxing or playing on the shore  
☐ Fishing      ☐ Hiking or walking

**Using the map on the back, mark the locations of recreation activities you observed.**  
 (Sw=Swimming, R=Relaxing/playing on the shore, F=Fishing, H=Hiking/walking, B=Bicycling)

## BOATING SURVEY for the LOWER TUOLUMNE RIVER

Please use the map below to mark locations related to Question 13 and 18 using the following key.

| Types of Hazards/Challenges Encountered on this Run? |                                 | Other Recreation Activities Observed on the Run? |                      |                                     |
|------------------------------------------------------|---------------------------------|--------------------------------------------------|----------------------|-------------------------------------|
| ◦ P = Portage                                        | ◦ Sc = Scraped bottom           | ◦ Sw = Swimming                                  | ◦ H = Hiking/walking | ◦ R = Relaxing/playing on the shore |
| ◦ D = Debris/overhanging vegetation                  | ◦ E = Exciting or fun run/chute | ◦ F = Fishing                                    | ◦ B = Bicycling      |                                     |



Upper Run: La Grange Dam to Turlock Lake State Recreation Area.



Lower Run: Turlock Lake State Recreation Area to Waterford.

## Staples, Rose

---

**From:** Craig, Nancy  
**Sent:** Saturday, August 03, 2013 12:34 PM  
**To:** 'Shumway, Vern -FS'  
**Cc:** stephen\_bowes@nps.gov; drjigour@tid.org  
**Subject:** RE: Wards Ferry Bridge/Tuolumne River Rafting trip - Tues Aug 8 logistics - Reply by Mon Aug 7 1200 noon

Hello Vern,

Thank you for coordinating this trip. Can you confirm that the trip is **Tuesday, August 6?**

Due to a change in schedule, I will not be able to make the morning departure for the rafting trip. I will plan to meet the group at Wards Ferry where I can help carry boats and gear to the bridge, discuss options for Wards Ferry take-out, and then look at potential alternative take-out locations in the Wards Ferry vicinity (to include Deer Flats and Deer Creek). I apologize for the late change in my schedule and I look forward to seeing you at Wards Ferry Tuesday afternoon. Have a safe and fun paddle,

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
1825 N. Tegner St.  
Wickenburg, AZ 85390  
(928) 273-5772  
[Nancy.Craig@hdrinc.com](mailto:Nancy.Craig@hdrinc.com)

---

**From:** Shumway, Vern -FS [mailto:vshumway@fs.fed.us]  
**Sent:** Friday, August 02, 2013 2:47 PM  
**To:** apierson@dbw.ca.gov; Craig, Nancy; rune@storesundconsulting.com; hbwillia44@gmail.com; swatanabe@dbw.ca.gov; stephen\_bowes@nps.gov; bshane@co.tuolumne.ca.us; drjigour@tid.org; theresa@americanwhitewater.org; pbarnes@waterboards.ca.gov; paul\_martzen@yahoo.com  
**Cc:** Vaughn, Gary D -FS; Bob Stanley Bob Stanley (beobob@yahoo.com); Stanley, Robert; Young, Richard W -FS; David Greenwood (dwgreenwood@gmail.com); jhorn@blm.gov; jhorn@blm.gov  
**Subject:** Wards Ferry Bridge/Tuolumne River Rafting trip - Tues Aug 8 logistics - Reply by Mon Aug 7 1200 noon

All,

You are receiving this email because you are on the list to attend the Wards Ferry Bridge Study/Tuolumne River Rafting Trip on Tuesday August 6, 2013. The purpose of the trip is to further study potential take out improvements at Wards Ferry Bridge associated with the Don Pedro Dam FERC Re-license. We hope to have representatives from TID, MID, HDR, BLM, USFS, NPS, Tuolumne River Trust, Don Pedro Rec Assoc., American Whitewater, CA Boating and Waterways/CA Dept of Parks and Rec, rafting outfitter and guide owners/managers, Tuolumne County, and other partners attend this trip.

We not only want to look at the Wards Ferry Bridge takeout but also experience a typical rafting trip on the Tuolumne Wild and Scenic River. We will be putting in at Meral's Pool and taking out at Ward's Ferry Bridge. Attached to this email is a Participant Orientation Guide and Participant Questionnaire. These two documents give general information about our upcoming trip. Specific times, meeting places, and other logistics are noted below.

**Specific items to bring:**

- sack lunch and snack for late afternoon/evening
- water bottle – we will have extra water to refill your water bottle



- shoes that won't come off – sandals with heel strap or old tennis shoes/running shoes work great
- sunscreen/sunglasses
- ball cap
- swimsuit/synthetic shorts/synthetic T-shirt
- medication/personal items you may need
- camera

**Life vests, helmets, transportation to and from put-in /take-out will be provided.**

**One day trips on the Tuolumne are very long, especially when we add in time to discuss options for the take-out. Below is a rough itinerary for the day:**

- Meet at La Casa Loma (see directions below) at 7:30 am.
- Drive to Meral's Pool put-in (shuttle service provided)
- Safety talk, helmets, life vests, rafting instruction and practice
- Get on the water
- Lunch 12 or 1:00
- Back on the water
- Arrive at Wards Ferry Bridge between 4:30 and 5:00
- Carry boats/gear up to the bridge
- Discuss options for Wards Ferry take-out
- Look at Deer Creek from the bridge
- Head for La Casa Loma
- Stop and look at Deer Creek (launch site is partially visible from Wards Ferry Road)
- Arrive at La Casa Loma between 7 and 7:30 pm

Space is limited but we do have a few spots available. If there is someone not on this email list that could provide substantive information please feel free to pass an invitation on to them. **I will need a final count of all persons that will be on the trip by Monday August 7 at 1200 noon.**

**Please send the completed Participant Questionnaire back ASAP.**

#### **Directions to La Casa Loma:**

- Take Highway 120 to Groveland, CA
- Continue 7½ miles east of Groveland on Highway 120
- Turn left on Ferretti Road
- Take an immediate left to La Casa Loma Espresso Deli/Raft trip meeting location

We will see you on the water,

---

Vern Shumway  
 Public Service Program Area Leader  
 Groveland Ranger District, Stanislaus NF  
 24545 Highway 120  
 Groveland, CA 95321  
 (209) 962-7825 ext. 526  
 Fax: (209) 962-7412  
 email: [vshumway@fs.fed.us](mailto:vshumway@fs.fed.us)

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From: Bob Hackamack <BHackamack[REDACTED]>  
Sent: Monday, August 05, 2013 12:24 PM  
To: Craig, Nancy  
Subject: RE: Lower Tuolumne River Lowest Boatable Flow Study - July 26  
teleconference to discuss schedule and protocols

Nancy: Thanks for your email. Two points I would have made are: The run from Riverdale Park to Shiloh Bridge Fishing Access is as important as from Legion Park to Riverdale and should be included or substituted for the shorter Legion Pk to Riverdale that includes the Dennett Dam foundation hazard.

Also, the test of boatability should include more criteria than just completing the run. Of course everyone will reach the run of the run in order to go home in spite of difficulties. One added criteria should include considering how many times the boater ran aground and had to step out into the river current to get going again. This has happened to me many times in spawning riffles at low flow and isn't any fun to get a canoe floated again while standing on the cobble riverbed. Bob H

From: Craig, Nancy  
Sent: Monday, August 05, 2013 10:31 PM  
To: 'Alex Cantatore'  
Cc: 'Michelle A. Reimers'  
Subject: RE: Tuolumne River Boatable Flow Study

Alex,  
I hope the information provided in blue below is helpful.

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
(928) 273-5772  
Nancy.Craig@hdrinc.com

-----Original Message-----

From: Alex Cantatore [mailto:alex@turlockcitynews.com]  
Sent: Monday, August 05, 2013 4:14 PM  
To: Craig, Nancy  
Subject: Tuolumne River Boatable Flow Study

Hi Nancy. My name's Alex Cantatore and I'm the editor of TurlockCityNews.com. Michelle Reimers with the Turlock Irrigation District gave me your contact info.

I just found out about the Tuolumne River Boatable Flow Study and I wanted to put together a little blurb about it, letting readers know they could sign up.

[The Districts are seeking volunteers to help with the study. The study is important because it will help the Federal Energy Regulatory Commission, and relicensing participants in understanding if the Don Pedro Project's minimum flows result in boatable flows for non-motorized, recreational river boating in portions of the lower Tuolumne River.](#)

[The study schedule is as follows:](#)

[Date](#)  
[Study flow at La Grange \(cfs\)](#)  
Also, will TID be varying releases into the river to conduct this study?

[Saturday, August 17, 2013](#)

[200](#)

[Saturday, August 24, 2013](#)

[150](#)

[Saturday, September 7, 2013](#)

[125 or 175](#)

[Saturday, September 14, 2013](#)

[100](#)

Will people see the river lower (or higher) than normal because of the study?

Depending on each study day's results, subsequent study days may not be necessary. That is, the study will be considered complete when the lowest boatable flow has been identified.

Thank you for your time. The flows at the USGS gage near LaGrange have ranged from approximately 90 cubic feet per second (cfs) - 130 cfs since July 1 of this year. So study flows will not be very different typical flows for this summer.

--

-Alex Cantatore

Editor, TurlockCityNews.com

Alex@TurlockCityNews.com | 209.620.0591

From: Shumway, Vern -FS <vshumway@fs.fed.us>  
Sent: Monday, August 05, 2013 1:02 PM  
To: Craig, Nancy  
Subject: RE: Wards Ferry Bridge/Tuolumne River Rafting trip - Tues Aug 8 logistics -  
Reply by Mon Aug 7 1200 noon

Nancy,

Yes. The rafting trip is schedule for Tuesday August 6. Sorry to hear that you will not be attending the rafting portion of the Tuolumne trip but we will look forward to meeting with you at the take out. We should arrive at the take out by 4:30 or so. Hope things change and you are able to make the rafting portion of the trip.

---

Vern Shumway  
Public Service Program Area Leader  
Groveland Ranger District, Stanislaus NF  
24545 Highway 120  
Groveland, CA 95321  
(209) 962-7825 ext. 526  
Fax: (209) 962-7412  
email: vshumway@fs.fed.us

---

From: Craig, Nancy [mailto:Nancy.Craig@hdrinc.com]  
Sent: Saturday, August 03, 2013 9:34 AM  
To: Shumway, Vern -FS  
Cc: stephen\_bowes@nps.gov; drjigour@tid.org  
Subject: RE: Wards Ferry Bridge/Tuolumne River Rafting trip - Tues Aug 8 logistics - Reply by Mon Aug 7 1200 noon

Hello Vern,  
Thank you for coordinating this trip. Can you confirm that the trip is Tuesday, August 6?  
Due to a change in schedule, I will not be able to make the morning departure for the rafting trip. I will plan to meet the group at Wards Ferry where I can help carry boats and gear to the bridge, discuss options for Wards Ferry take-out, and then look at potential alternative take-out locations in the Wards Ferry vicinity (to include Deer Flats and Deer Creek).  
I apologize for the late change in my schedule and I look forward to seeing you at Wards Ferry Tuesday afternoon.  
Have a safe and fun paddle,

Nancy H. Craig, Project Manager  
HDR Engineering, Inc.  
(928) 273-5772  
Nancy.Craig@hdrinc.com

From: Duke York <DYORK@co.tuolumne.ca.us>  
Sent: Wednesday, August 07, 2013 3:35 PM  
To: David Jigour (drjigour@tid.org); J Horn (jhorn@blm.gov); Craig, Nancy; Vern Shumway (vshumway@fs.fed.us)  
Subject: FW: Wards Ferry Bridge/Tuolumne River Rafting  
Attachments: 20130807115136733.pdf

Vern Shumway, et al, here are copies of the maps that we brought to yesterday's meeting @ the Wards Ferry Road Bridge in order to discuss possible improvements to the Pull-out area. Please note that upstream from the bridge are lands owned by M.I.D. and the downstream side is owned by BLM( USA). Please feel free to share this info with ALL the interested parties. >>>>  
DUKE

Richard S. York Jr., R.C.E.  
Community Resources Agency  
Deputy Director- Roads  
2 South Green Street, Sonora CA 95370  
(209)533-5953 Fax (209) 533-5698  
dyork@co.tuolumne.ca.us



1" = 600'





REVISION DATE  
11/01/07

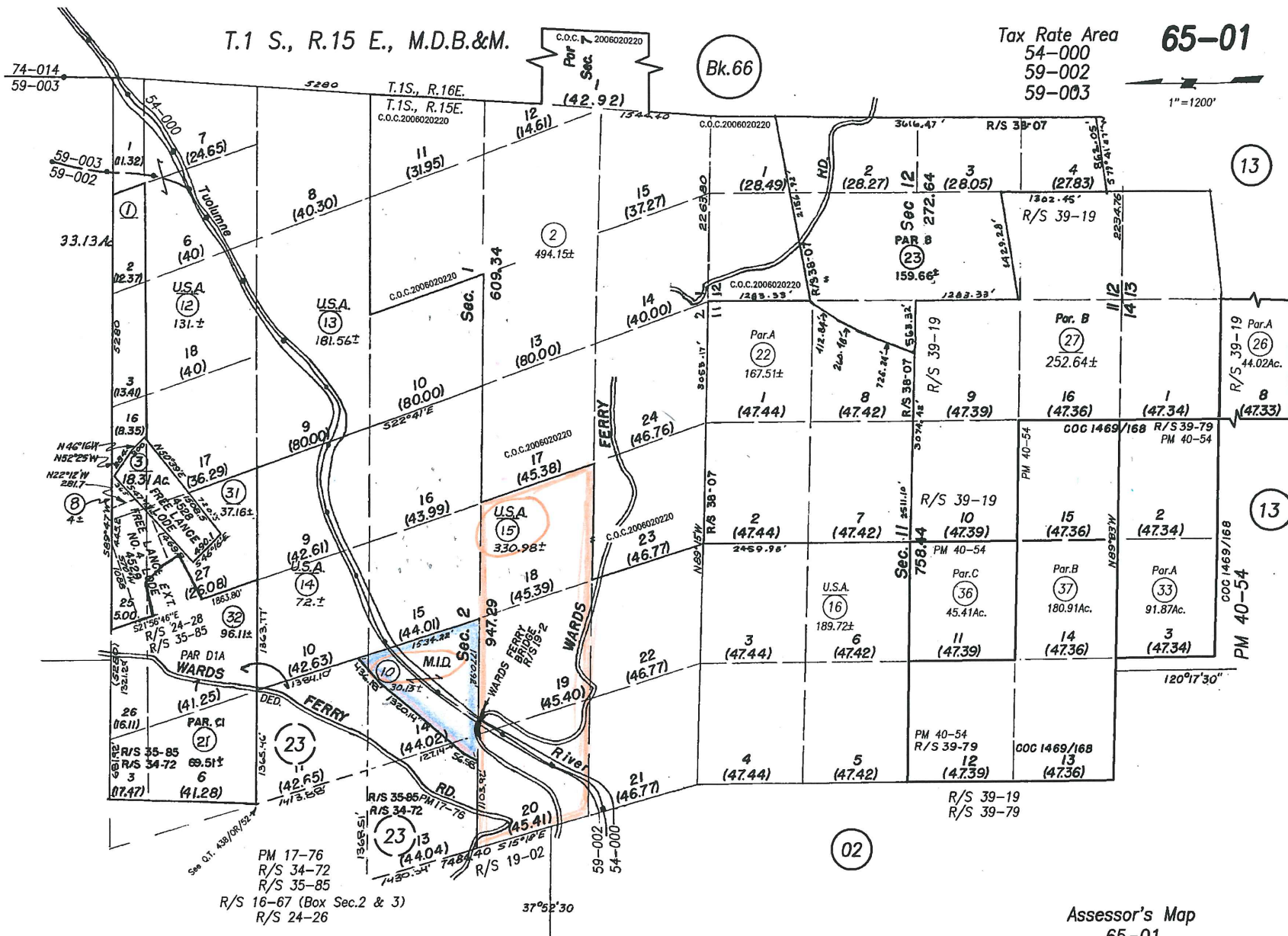
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Tax Rate Area  
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59-002  
59-003

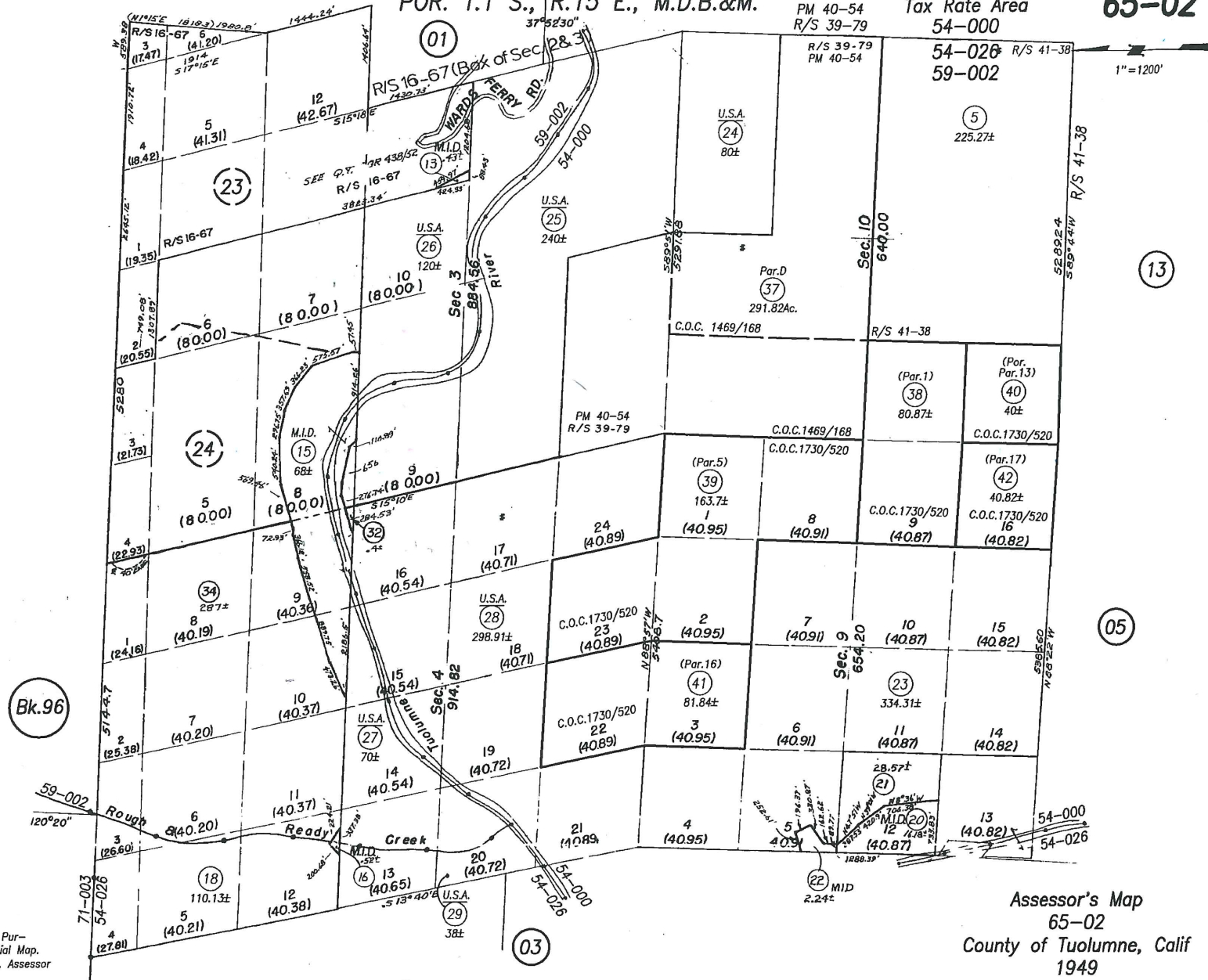
65-01

 $1'' = 1200'$ 

**Note: This Plot Is For Assessment Pur-  
poses Only And Not An Official Map.  
Copyright ©1998 by Tuol. Co. Assessor**

23

Assessor's Map  
65-01  
County of Tuolumne, Calif  
1949

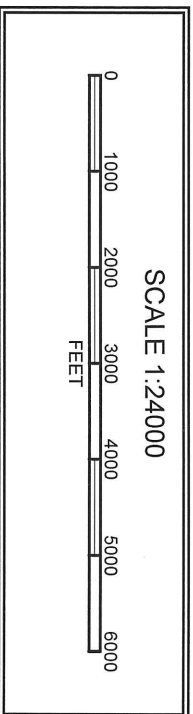
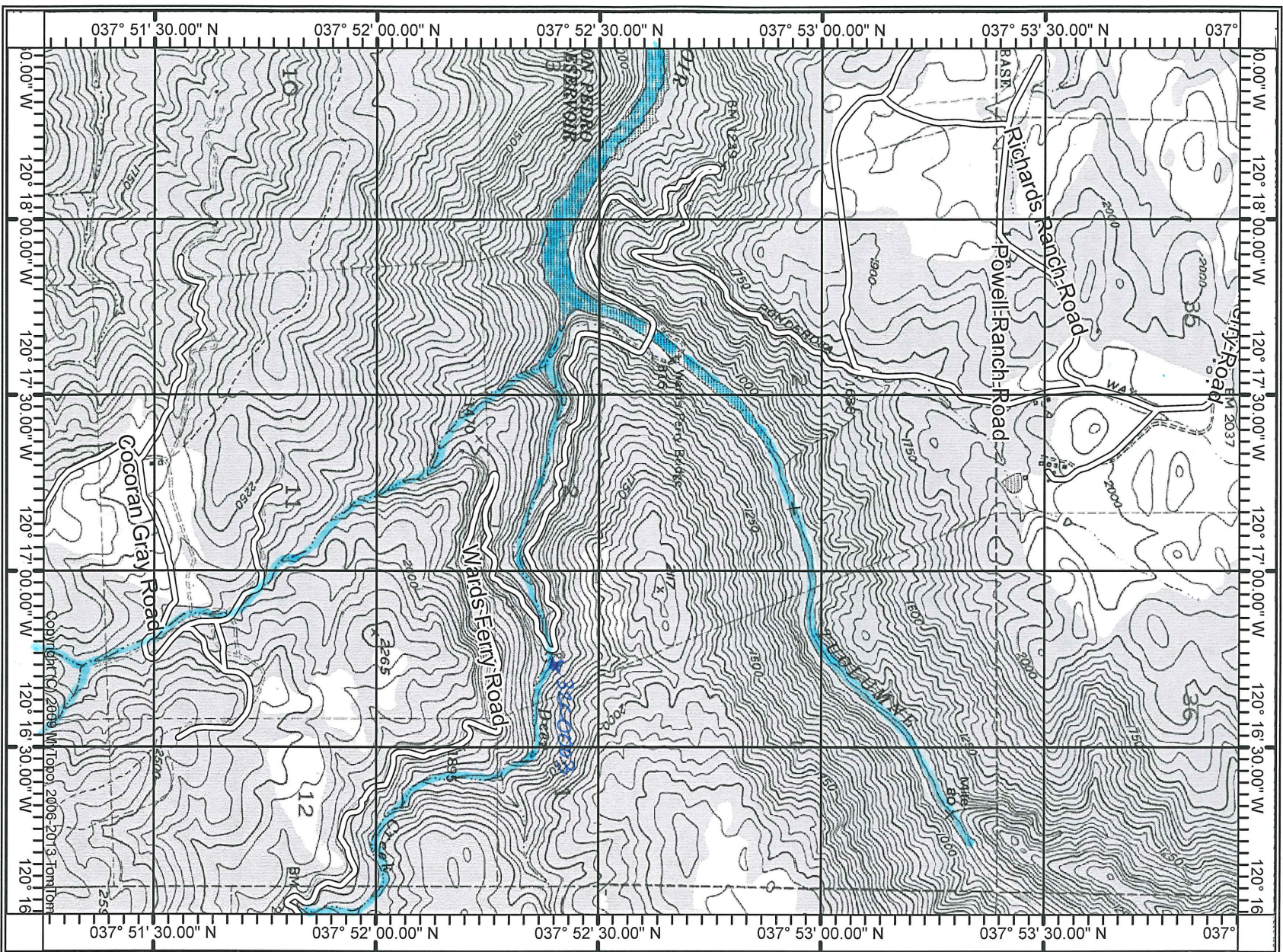


**Note: This Plat Is For Assessment Pur-  
poses Only And Not An Official Map.  
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Assessor's Map  
65-02  
County of Tuolumne, Calif  
1949



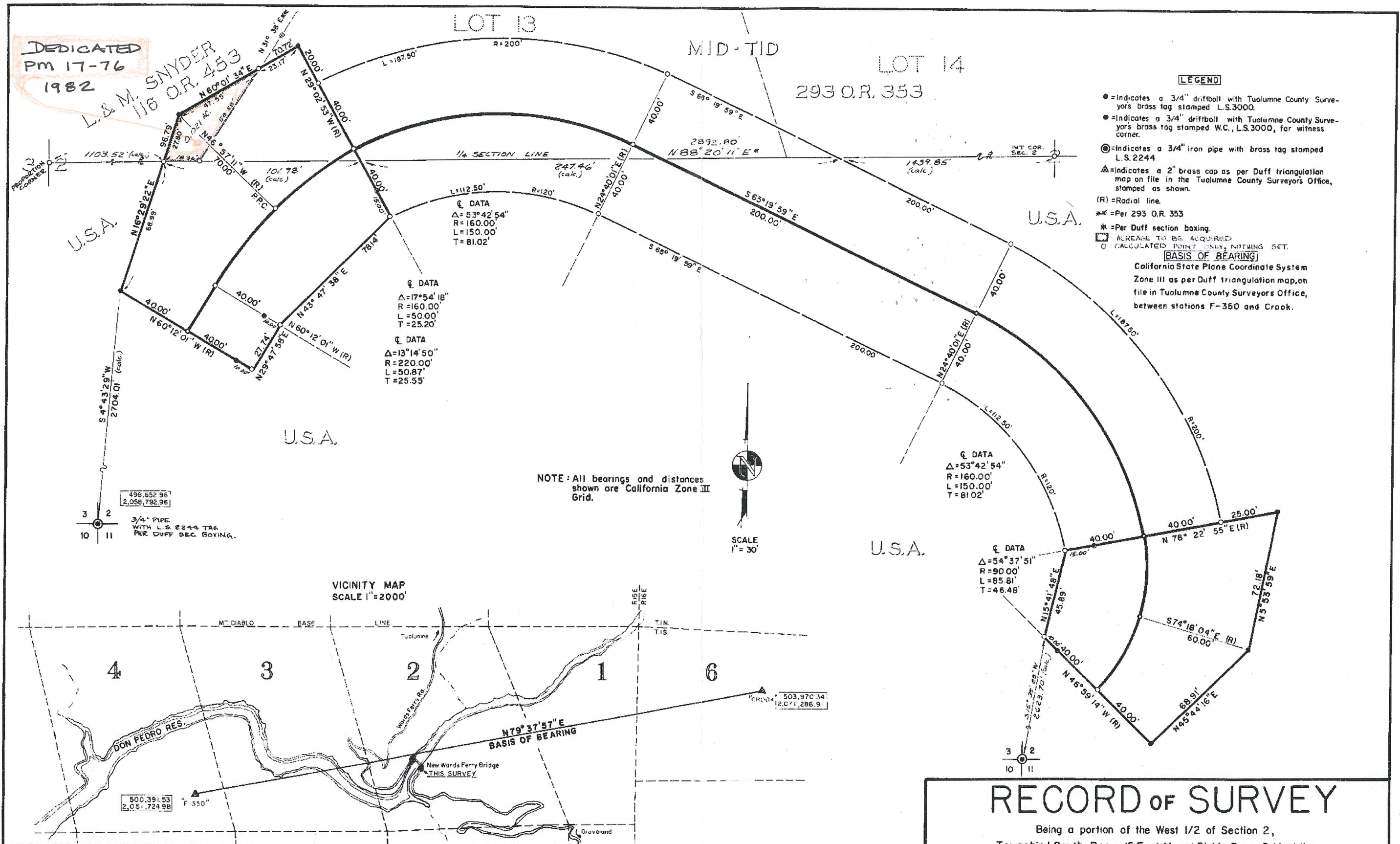
MTG. ON-SITE 4:30



32C0003 - CON 2018  
to be replaced

1" = 2000'





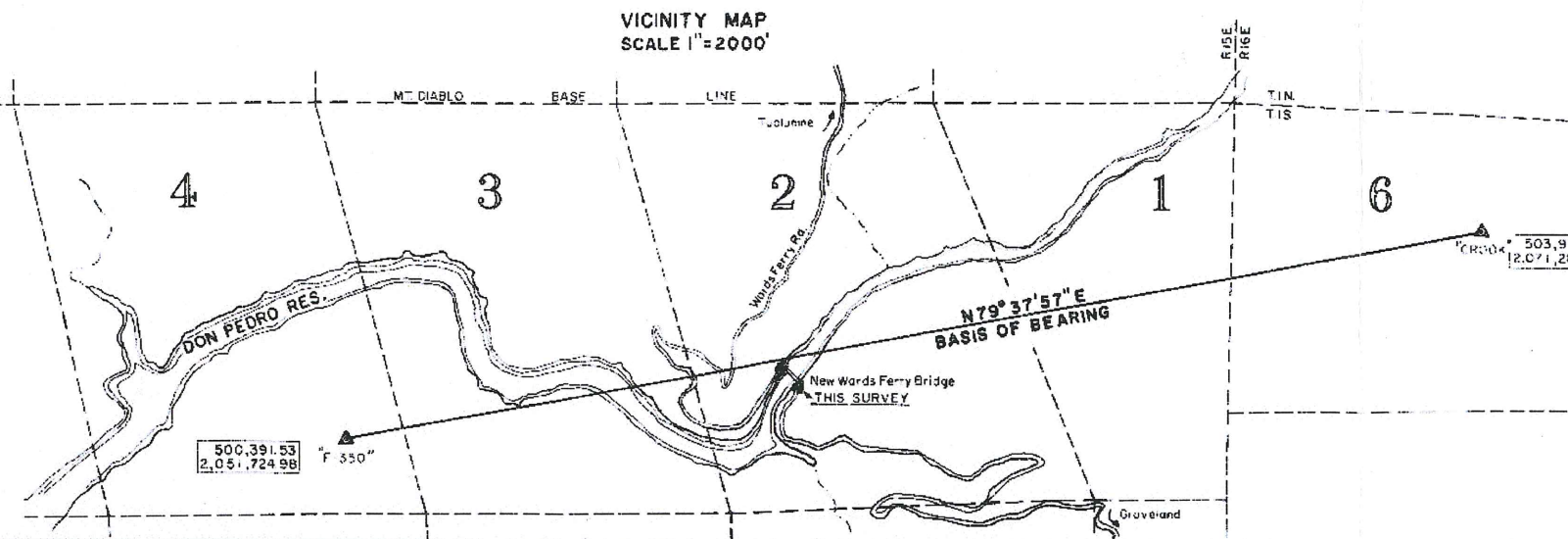
- LEGEND**
- = Indicates a 3/4" driftbolt with Tuolumne County Surveyors brass tag stamped L.S.3000.
  - = Indicates a 3/4" driftbolt with Tuolumne County Surveyors brass tag stamped W.C., L.S.3000, for witness corner.
  - ⊙ = Indicates a 3/4" iron pipe with brass tag stamped L.S.2244
  - △ = Indicates a 2" brass cap as per Duff triangulation map on file in the Tuolumne County Surveyors Office, stamped as shown.
  - (R) = Radial line.
  - \*\* = Per 293 O.R. 353
  - \* = Per Duff section boxing.
  - = AREA TO BE ACQUIRED
  - = CALCULATED POINT ONLY, NOTHING SET.
- BASIS OF BEARING**
- California State Plane Coordinate System  
Zone III as per Duff triangulation map on file in Tuolumne County Surveyors Office, between stations F-350 and Crook.

NOTE: All bearings and distances shown are California Zone III Grid.



SCALE  
1" = 30'

VICINITY MAP  
SCALE 1" = 2000'



**SURVEYOR'S CERTIFICATE**

This map correctly represents a survey made by me or under my direction in conformance with the requirements of the Land Surveyors Act at the request of The Board of Supervisors in NOVEMBER, 1972.

by John T. Redie, L.S.

**COUNTY SURVEYOR'S CERTIFICATE**

This map has been examined for conformance with the requirements of the Land Surveyors Act this 27th day of JUNE, 1972.

John T. Redie, L.S.  
County Surveyor L.S. 3000

**RECORDER'S CERTIFICATE**

Filed this 9th day of JANUARY, 1976, at 3:41 PM in Vol. 19 of Record of Surveys at page 2, at the request of the County Surveyor.

Robert M. Wells  
County Recorder

**RECORD OF SURVEY**

Being a portion of the West 1/2 of Section 2,  
Township 1 South, Range 15 East Mount Diablo Base & Meridian,  
in an Unincorporated Area of Tuolumne County, California.

**WARDS FERRY BRIDGE**

C.S. 2039

BOARD OF SUPERVISORS  
TIS, RISE SEC. 2, W2

R/S 19-2 MC 75-129