

June 16, 11 p.m. ROC on LTO draft BiOp summary

Focuses this weekend, and status:

- ITS:
 - Incidental take tables: I reviewed, and the ITS team has been busy addressing my track changes. Almost done, I think.
 - Text explanations below the take tables: I reviewed, and I think the team is addressing my track changes.
 - Terms and conditions: Howard took pen to paper, lots of work on it. Naseem and Barb reviewed. I hope to review on the bus and first thing Monday morning.
- Supplemental analyses:
 - Delta Division effects section: Barb/Jeff are done, I reviewed, track changes incorporated.
 - Shasta Division effects section: Cathy is done, I reviewed, Shasta section clean up nearing completion.
- SRSC Resolution: Text throughout the BiOp—proposed action, Shasta Division, I&S section.
- Peer review recommendations flagged and initial assignments made

Top priorities for June 17, 2019:

- Finish up Shasta Division effects section
- Finish ITS
- SR I&S section clean up
- Joe should be engaged, so steelhead and GS I&S section clean up
- Team not working on the above start working on addressing peer review recommendations
- Tally of all the loose ends

Sarah	<p>Check in and Check out for 6/15 and 6/16:</p> <ul style="list-style-type: none"> • Made progress on the Shasta look back, will finish tonight (6/16) • Clear Creek ITS edits complete • I also have a few Terms and conditions I want to add/edit.
Evan	<p>Check in on 6/15-6/16:</p> <ul style="list-style-type: none"> • Shasta Division: <ul style="list-style-type: none"> ○ Review the supplemental Shasta section ○ Take table and statement work (in process), ○ Terms and conditions drafting, ○ Locate missing references from Shasta section, ○ Any review of comments (PWA or peer) that are assigned
Brittany	<p>Check out:</p> <ul style="list-style-type: none"> • American River Division incidental take table comments addressed
Kristin	<p>Check out for 6/16:</p> <ul style="list-style-type: none"> • East Side Division incidental take table comments addressed <p>Check in for 6/16:</p> <ul style="list-style-type: none"> • Revise the East Side division ITS tables

	<p>Check in on 6/15:</p> <ul style="list-style-type: none"> • Review East Side Division edits to the ITS section.
Jeff	<p>Check in for 6/15:</p> <ul style="list-style-type: none"> • Completed review of Barb's supplemental Delta effects this morning
Barb	<p>Check out for 6/16:</p> <ul style="list-style-type: none"> • incorporated Garwin's comments on supplemental Delta effects section • edited/commented on Terms & Conditions • short check-in with Kristin on some East Side/SJR take table edits • Still wrapping up Delta Metrics; will work on after a dinner break. <p>Check in for 6/16:</p> <ul style="list-style-type: none"> • Looking at T&C now <p>Check in for 6/15:</p> <ul style="list-style-type: none"> • Finish the supplemental Delta analysis with Delta performance • Review Delta narratives and DCC/exports rows in I&S tables in I&S sections • Review Delta narratives in SRKW materials
Joe	<p>From June 13, 2019:</p> <ul style="list-style-type: none"> • Green sturgeon I&S- mostly done, conceptually the updated PA may reduce effects to green sturgeon but I don't think it will change beyond division lead (Delta and Shasta) review of the I&S table for accuracy after they complete the supplemental effects piece • Steelhead I&S- similar to green sturgeon although changes in the PA may change the I&S tables and narrative. Not sure this will ultimately change the conclusion but division leads can revise the I&S table per the updated PA and we can go from there • ITS- responded to the group with my revision of the ITS monitoring list yesterday. Essentially, all monitoring is covered under section 10 so there's no need to specify take in the BO (in my opinion). • Terms and conditions for 'compliance' monitoring. Sent Maria an email about this earlier. Barb and Sarah included some info on this in their ITS monitoring list but if we have a monitoring term and condition format available I can add to this (right now- CVEAT, standard reporting of green sturgeon at RBDD screw traps, and possibly steelhead and spring-run telemetry in SJR).
Brian	
Dan	<ul style="list-style-type: none"> • On leave, but when back, incorporate IOS changes from Chinook salmon analysis
Susan	<ul style="list-style-type: none"> • EndNotes site-while-you-write for sections • Section clean-up
Norma	<ul style="list-style-type: none"> • End notes library <ul style="list-style-type: none"> • Add 1 reference from the Clear Creek effects section
Cathy	<p>Interim check out:</p> <ul style="list-style-type: none"> • Tying up Shasta supplemental analysis. • Continue Shasta cleanup.

Naseem	<ul style="list-style-type: none"> • PWA comment assignments for Evan. • Assigned appendix wrangling instructions to Susan. • Assigned and instructed Norma to making Excel file of peer review comments. • Assigned and instructed Stephen to some PWA comments on temperature. • Drafted text for division leads and intro of effects analysis matching what's in supplement for Shasta and Delta regarding what version of PA used for each division. <p>Check in for 6/16:</p> <ul style="list-style-type: none"> • Tying up Shasta supplemental analysis since Evan and Howard have reviewed and Howard has included SRSC text. • Continue Shasta cleanup (EndNote (when in office), loose ends from the rush to get it to peer review, lower river text, etc). • May make some assignments to Evan on PWA comments. • May start to address some peer review comments that I assigned to me. <p>Check out for 6/15:</p> <ul style="list-style-type: none"> • Coordination call. • Skimmed terms and conditions. • Flagged peer review recommendations and made assignments. • Made progress on Shasta cleanup. <p>Check in for 6/15:</p> <ul style="list-style-type: none"> • Coordination call. • Review of terms and conditions. • Review of peer review to flag recommendations and make assignments. • Tying up Shasta supplemental analysis, if any more reviews come in (which was sent to GY and others for review). • Continued Shasta cleanup (EndNote, comment clean up, loose ends from the rush to get it to peer review, SRSC text, etc).
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June 14, 10 p.m. ROC on LTO draft BiOp summary

Top priorities for June 15, 2019:

- Clean up Delta and Shasta divisions effects section
- ITS
- SR I&S section
- Pull out peer review recommendations to address

Sarah	<p>Check out:</p> <ul style="list-style-type: none"> • Clear Creek incidental take table complete <p>Check in:</p> <ul style="list-style-type: none"> • Clear Creek terms and conditions
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	<ul style="list-style-type: none"> • Admin record memo
Evan	<p>Check out:</p> <ul style="list-style-type: none"> • <p>On his plate for the Shasta Division:</p> <ul style="list-style-type: none"> • Review the supplemental Shasta section • Take table and statement work (in process), • Terms and conditions drafting, • Locate missing references from Shasta section, • Any review of comments (PWA or peer) that are sent to me <p>Check in:</p> <ul style="list-style-type: none"> • Shasta Division ITS: <ul style="list-style-type: none"> ○ Revising the flow/survival write up. ○ Review the SRSC proposal for the 1:00 call. ○ Modify/revise take for flow actions affecting redds. <p>Late night check out:</p> <ul style="list-style-type: none"> • Completed the flow/survival write up, and shared with Brian, who responded with comments and revisions.
Brittany	<p>Check out:</p> <p>American River Division part of ITS done</p> <p>Check in:</p> <ul style="list-style-type: none"> • American River Division: <ul style="list-style-type: none"> • Terms and conditions • Any final additions or edits for extent of take write-up <p>Availability June 15-16: Both days after 12 p.m.</p>
Kristin	<p>Check out:</p> <ul style="list-style-type: none"> • East Side Division: <ul style="list-style-type: none"> • Worked with Barb on take language (a bit complicated with temperatures). Will work on updating the text this weekend. <p>Check in:</p> <ul style="list-style-type: none"> • East Side Division: <ul style="list-style-type: none"> • Coordinate with Barb, then clean up/tighten up incidental take table and language • Terms and conditions <p>Availability June 15-16: couple of hours on Saturday (later in the day) and 4 hours on Sunday</p>
Jeff	<p>Check out:</p> <ul style="list-style-type: none"> • Delta Division:

	<ul style="list-style-type: none"> • Finished the ITS earlier this morning and sent to Barb (6:40 p.m.) to drop current Performance take limits into tables. • Sent ITS narrative with place holders for Barb's new take limit numbers to Naseem. Barb will have new numbers for me tomorrow morning and will drop them into the text placeholders after reviewing. • Reviewed T&C and edited/added to the text. • Reviewing draft supplemental analysis that Barb finished this afternoon. Will continue to review tomorrow (maybe tonight too). • Talked with Brian regarding the DCC changes in PA and the I&S <p>Check in:</p> <ul style="list-style-type: none"> • Delta Division: <ul style="list-style-type: none"> • Working on T&C for Delta. • Waiting on Barb's documents to look over and provide any comments/ changes for delta
Barb	<p>Check out:</p> <ul style="list-style-type: none"> • Finished draft of supplemental Delta analysis (including the late-breaking Steelhead monitoring elements of the revised PA) -- didn't get to Jeff until 5pm. • Still working on Delta performance metrics <p>For tomorrow:</p> <ul style="list-style-type: none"> • Send Jeff the final Delta loss thresholds to drop into ITS • Review Delta narratives and DCC/exports rows in I&S tables in I&S sections • Review Delta narratives in SRKW materials • Update IOS stuff in SRKW materials? Maybe already done by someone? <p>Check in:</p> <ul style="list-style-type: none"> • Wrap up supplemental Delta analysis • Complete Delta performance metrics calculations and tech memo write-up • Drop numbers into ITS <p>Availability June 15-16: both days, 9 a.m.-8 p.m. with some breaks.</p>
Joe	<ul style="list-style-type: none"> • Green sturgeon I&S- mostly done, conceptually the updated PA may reduce effects to green sturgeon but I don't think it will change beyond division lead (Delta and Shasta) review of the I&S table for accuracy after they complete the supplemental effects piece • Steelhead I&S- similar to green sturgeon although changes in the PA may change the I&S tables and narrative. Not sure this will ultimately change the conclusion but division leads can revise the I&S table per the updated PA and we can go from there • ITS- responded to the group with my revision of the ITS monitoring list yesterday. Essentially, all monitoring is covered under section 10 so there's no need to specify take in the BO (in my opinion). • Terms and conditions for 'compliance' monitoring. Sent Maria an email about this earlier. Barb and Sarah included some info on this in their ITS monitoring

	list but if we have a monitoring term and condition format available I can add to this (right now- CVEAT, standard reporting of green sturgeon at RBDD screw traps, and possibly steelhead and spring-run telemetry in SJR).
Brian	<p>Check out: WR I&S:</p> <ul style="list-style-type: none"> • Low Flows discussion included • update as needed regarding PA changes (just need confirmation on new Shasta rows and confirmation on revised DCC text and w-r will be done) <p>Tomorrow: Will start SR I&S to do's</p> <p>Check in: WR I&S to do's (work on these this morning):</p> <ul style="list-style-type: none"> • include discussion on Low Flows (Evan sent the draft last night, will review and incorporate) • update as needed regarding PA changes (Cathy provided updates yesterday/last night) <p>SR I&S to do's (will start these this afternoon):</p> <ul style="list-style-type: none"> • address any of Maria's comments on w-r that also apply to s-r section • make roll-up table of number of stressful vs beneficial rows (did this for w-r as a way to capture cumulative context - many more stressful component-life stage combinations than beneficial ones). • include Low Flows discussion • update as needed regarding PA changes <p>Availability June 15-16: total of up to 3 hours Saturday and Sunday.</p>
Dan	<ul style="list-style-type: none"> • On leave, but when back, incorporate IOS changes from Chinook salmon analysis
Susan	<ul style="list-style-type: none"> • EndNotes site-while-you-write for sections • Section clean-up
Norma	<ul style="list-style-type: none"> • End notes library <ul style="list-style-type: none"> • Add 1 reference from the Clear Creek effects section
Cathy	<p>Check out:</p> <ul style="list-style-type: none"> • Followed up/coordinated with Brian and Evan from Shasta revisions to I&S • Started Shasta Division effects section cleanup (EndNote, comment clean up, loose ends). • Points for Howard to take to Barry explaining why upper Sac effects aren't improved in spite of past few weeks. • Attended SRSC meeting. • Helped SWFSC prep for peer review check-in next week. • Cramer emailed to say that they found an error in the results they sent us, so I did recon to figure out what to do in response and gave Cramer an assignment to redo our work.

	<p>Tomorrow:</p> <ul style="list-style-type: none"> • Tying up Shasta supplemental analysis. Waiting on any other review (Evan, Maria) but will work on more this weekend. • Shasta Division effects section cleanup • Peer review comments in: will pull out recommendations <p>Check in:</p> <ul style="list-style-type: none"> • Followup/coordination with Brian and Evan from Shasta revisions to I&S. • Tying up Shasta supplemental analysis (which was sent to GY and others for review early this morning). • Continued Shasta cleanup (EndNote, comment clean up, loose ends from the rush to get it to peer review). • Points for Howard to take to Barry explaining why upper Sac effects aren't improved in spite of past few weeks. • SRSC meeting. <p>Wee hour check out "last night":</p> <ul style="list-style-type: none"> • Supplemental analysis section to reflect the "yes" list and performance metrics/changes to PA that settled yesterday—Done • Taking changes from these into I&S tables. Done for WR. I don't think things apply to other species so much. • Sent supplement, revised Shasta, and I&S tables to Evan for his review/contribution too. <p>Availability June 15-16: A few hours each afternoon and each evening.</p>
Naseem	<p>Check out:</p> <ul style="list-style-type: none"> • ITS drafted and sent to management team for review <p>Check in:</p> <ul style="list-style-type: none"> • ITS: <ul style="list-style-type: none"> • Going through the tables right now to give folks feedback. • The non-Jeffs need to add what the surrogate is. • T&Cs are still underway - but we have everything that had been identified. <p>Availability June 15-16: Available most of Saturday, but not evening. Father's Day stuff on Sunday, but could have some time if needed.</p>

June 13, 11 p.m. ROC on LTO draft BiOp summary

Top priorities for June 14, 2019:

- Finish, or get close to finishing, the Shasta Division (Cathy) and Delta Division (Barb and Jeff) supplemental analyses.
 - Coordinate with Brian intermittently regarding potential changes to effects that may change the I&S tables and analyses.

- Finish addressing comments in the winter-run I&S section, apply them to the spring-run I&S section and finish those (Brian)
- Finish ITS (Naseem is the lead)
- Coordinate team to organize peer review and other comments over the weekend

Sarah	<p>Check in and check out:</p> <ul style="list-style-type: none"> • Clear Creek (CC) effects section is complete (clean, EndNotes). • Amount or extent of incidental take in CC is a work in progress. • Attended ITS team meeting. See Naseem's entry • Will work on terms and conditions in the morning.
Evan	<p>Check out:</p> <p>Shasta Division ITS:</p> <ul style="list-style-type: none"> • finished filling in the take table for Shasta • revised the description of temperature-related take. • Tonight I'll draft the paragraph/section on flow and survival. • Attended ITS team meeting. See Naseem's entry <p>Tomorrow: continue to work on Shasta T&Cs, and I'll review the SRSC draft proposal for the 1:00 meeting tomorrow.</p> <p>Check in:</p> <ul style="list-style-type: none"> • Shasta Division ITS: <ul style="list-style-type: none"> ○ revise approach to temperature related take ○ fill in take table with non-temperature-related take ○ drafting a section relating low flow to survival ○ draft terms and conditions • finding references Cathy identified (4:41 PM 6/12 email)
Brittany	<p>Check out:</p> <ul style="list-style-type: none"> • American River Division: <ul style="list-style-type: none"> • Effects section is complete (clean, EndNotes) • Amount or extent of incidental take is done • Terms and conditions for American not done • Attended ITS team meeting. See Naseem's entry <p>Plan for tomorrow: finish T&Cs.</p> <p>Check in:</p> <ul style="list-style-type: none"> • American River Division: <ul style="list-style-type: none"> • Address final comment • Work on sections of text for the tribes lumped together, for stressors like temp. • Terms and conditions
Kristin	<p>Check out:</p> <ul style="list-style-type: none"> • East Side Division: <ul style="list-style-type: none"> • Effects section done (clean, EndNotes) • Attended the ITS team meeting. See Naseem's entry.

	<p>Check in:</p> <ul style="list-style-type: none"> • East Side effects section still has some remaining minor track changes, but is otherwise complete. Will clean up today. • Our ITS section edits were reviewed by Naseem last night and I believe we will be meeting today to discuss. • I have not worked on terms and conditions so I'm not sure of the status. But I assume we will discuss during ITS discussion.
Jeff	<p>Check in and check out:</p> <ul style="list-style-type: none"> • Delta Division: <ul style="list-style-type: none"> • ITS table was finished this morning. • Will finish up the ITS narratives tonight - just the salvage section to finish. • Attended the ITS team meeting. See Naseem's entry.
Barb	<p>Check out:</p> <ul style="list-style-type: none"> • Supplemental Delta analysis outline done. • Attended PWA comment meeting. <p>Check in:</p> <ul style="list-style-type: none"> • Working on and coordinating supplemental Delta analysis with Jeff. • PWA comments meeting in the afternoon. <p>Projected timeline:</p> <ul style="list-style-type: none"> • Thursday: Barb completes drafting of the supplemental Delta effects section • Friday morning: Barb sends draft Delta supplemental effects to Jeff for review • Friday (by COB): Barb completes the Delta performance metrics calculations and tech memo write-up; drops numbers into ITS Working on and coordinating supplemental Delta analysis with Jeff.
Joe	<ul style="list-style-type: none"> • Green sturgeon I&S- mostly done, conceptually the updated PA may reduce effects to green sturgeon but I don't think it will change beyond division lead (Delta and Shasta) review of the I&S table for accuracy after they complete the supplemental effects piece • Steelhead I&S- similar to green sturgeon although changes in the PA may change the I&S tables and narrative. Not sure this will ultimately change the conclusion but division leads can revise the I&S table per the updated PA and we can go from there • ITS- responded to the group with my revision of the ITS monitoring list yesterday. Essentially, all monitoring is covered under section 10 so there's no need to specify take in the BO (in my opinion). • Terms and conditions for 'compliance' monitoring. Sent Maria an email about this earlier. Barb and Sarah included some info on this in their ITS monitoring list but if we have a monitoring term and condition format available I can add to this (right now- CVEAT, standard reporting of green sturgeon at RBDD screw traps, and possibly steelhead and spring-run telemetry in SJR).
Brian	<p>Check out:</p> <ul style="list-style-type: none"> • Nearly done w Maria's comments, several of which I disagree with.

	<p>Check in:</p> <p>w-r I&S to do's [working on these today]:</p> <ul style="list-style-type: none"> • finish addressing Maria's latest round of comments (came in late Tuesday); • include discussion on Low Flows (going to review and comment on Evan's new Low Flows write-up for the effects section and pull from that) • update as needed regarding PA changes <p>SR I&S to do's [if all goes well, will start and finish these tomorrow]:</p> <ul style="list-style-type: none"> • address any of Maria's comments on w-r that also apply to s-r section • make roll-up table of number of stressful vs beneficial rows (did this for w-r as a way to capture cumulative context - many more stressful component-life stage combinations than beneficial ones. • include Low Flows discussion • update as needed regarding PA changes
Dan	<ul style="list-style-type: none"> • On leave, but when back, incorporate IOS changes from Chinook salmon analysis
Susan	<ul style="list-style-type: none"> • EndNotes site-while-you-write for sections • Section clean-up
Norma	<ul style="list-style-type: none"> • End notes library • Add 1 reference from the Clear Creek effects section
Cathy	<p>Check out:</p> <ul style="list-style-type: none"> • Shasta Division: <ul style="list-style-type: none"> • Revised effects section to reflect rice decomp changes, smelt fall habitat action effects. • Supplemental analysis section to reflect the "yes" list and performance metrics/changes to PA that settled yesterday. In progress. • Pinged Brian when done with some of the above. • Coordinated with LCM team on LCM questions and SWFSC support for review of peer review documents. • Helped Keifer not punch his computer. <p>Tomorrow:</p> <ul style="list-style-type: none"> • Cross reference any effect changes to the I&S tables. • Revise Shasta Division effects with fall/winter flows. <p>Check in:</p> <ul style="list-style-type: none"> • Coordinate with the LCM team on LCM questions and SWFSC support for review of peer review documents. • Revisions to Shasta effects section to reflect rice decomp changes, fall/winter flow effects, smelt fall habitat action effects. • Supplemental analysis section to reflect the "yes" list and performance metrics/changes to PA that settled yesterday. • Pinging Brian when done with some of these. • Taking changes from these into I&S tables.
Naseem	<p>Check out:</p>

	<ul style="list-style-type: none"> • ITS update in prep for and following the ITS team meeting: <ul style="list-style-type: none"> • 3 different pieces/documents, all in the ITS folder. Amount or extent of take almost done, need to compile. • RPMs/T&Cs - working draft (still under development, but structure is there, substance from the scratch pad is there) <p>Check in:</p> <ul style="list-style-type: none"> • I'm hoping things will fall into place this afternoon for ITS - working through some live editing with the team.
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June 12: Garwin's late night ROC on LTO draft BiOp summary

Sarah	<ul style="list-style-type: none"> • Confirm that section 4.10.2.5 Spring Creek Debris Dam in the attached revised PA is what you analyzed. • If the above is confirmed, please confirm that you are done with Clear Creek (CC) effects section (clean, no outstanding comments, EndNotes done). • Please confirm that you are done quantifying the amount or extent of incidental take in CC. • Status of terms and conditions?
Evan	<ul style="list-style-type: none"> • Working on quantifying the amount or extent of incidental take in the Shasta Division. ETA? • Shasta Division terms and conditions?
Brittany	<ul style="list-style-type: none"> • Please confirm that the American River Division effects section is done (clean, no outstanding comments, EndNotes done). • Please confirm that you are done quantifying the amount or extent of incidental take in the American River Division. • Status of terms and conditions?
Kristin	<ul style="list-style-type: none"> • Please confirm that the East Side Division effects section is done (clean, no outstanding comments, EndNotes done). • Please confirm that you are done quantifying the amount or extent of incidental take in the East Side Division. • Status of terms and conditions?
Jeff	<ul style="list-style-type: none"> • Working on quantifying the amount or extent of incidental take in the Delta Division. ETA? • Delta Division terms and conditions? • Working on and coordinating supplemental Delta analysis with Barb.
Barb	<ul style="list-style-type: none"> • Working on and coordinating supplemental Delta analysis with Jeff.
Joe	<ul style="list-style-type: none"> • On leave 6/13 and 6/14 • Monitoring section in the ITS • Steelhead and GS I&S sections: Status? Also, status of cross-checking the I&S tables with the effects tables?
Brian	<ul style="list-style-type: none"> • WR and SR I&S sections: Status? Also, status of cross-checking the I&S tables with the effects tables?
Dan	<ul style="list-style-type: none"> • On leave, but when back, incorporate IOS changes from Chinook salmon analysis

Susan	<ul style="list-style-type: none">• EndNotes site-while-you-write for sections• Section clean-up
Norma	<ul style="list-style-type: none">• End notes library
Cathy	<ul style="list-style-type: none">• Supplemental analysis for the Shasta Division
Naseem	<ul style="list-style-type: none">• ITS: Status?