

Draft 1 Minutes
TRINITY RIVER ADAPTIVE MANAGEMENT WORKING GROUP
 March 21, 2017
 Trinity River Restoration Office, 1313 S. Main, Weaverville, CA

Tuesday March 21, 2017; 9:30 am

Attending Members

Member	Representative Seat
Tom Stokely	Chair, Commercial Fishing Organizations
Darren Mierau	Vice-Chair, Environmental Organizations.
Richard Lorenz ¹	Trinity County Residents
Ed Duggan	Small Business Owners
Joe McCarthy	Local Landowners
Shiloe Braxton	Trinity County Resource Conservation District
Michael Charlton	Recreational Commercial Guides
David Steinhauser	Whitewater Outfitters /Guides
Paul Hauser	Trinity Public Utilities District
Paul Catanese ¹	Local Landowners/Business owners
Kelli Gant	Trinity County Residents

¹ Left at lunch.

Members attending by phone:

Member	Representative Seat
Emelia Berol ¹	Environmental Organizations
Leslie Byrant ¹	Redding Electric

¹ Left at lunch.

Members that did not attend

Member	Representative Seat
Gil Saliba	Environmental Organizations
Travis Michele	Trinity River Fishing Guides

Designated Federal Officer: Joe Polos, Service (FWS), Arcata, CA.

Other attendees: Dave Wellock, Dana Hord (local residents); Vina Frye, (USFWS); Seth Naman (TMC); Mike Dixon, Jennifer Norris, Dave Gaeuman, Robert Stewart (TRRP); Ken Lindke, Andy Hill (CDFW); Kyle DeJulio, Andreas Krause (Yurok Tribe); James Lee (Hoopa Valley Tribe).

Others attending by phone: Bill Brock (USFS).

Notes: Kim Mattson (Ecosystems Northwest).

List of Motions Made during the Meeting

Kelli Gant made a motion to accept the December meeting minutes with the minor edits submitted by Joe Polos.

Ed Duggan seconded the motion.

The motion passed unanimously.

Mike McCarthy nominated Tom Stokely as chair of the TAMWG.

Ed Duggan seconded the nomination.

The nomination passed unanimously by voice vote.

Ed Duggan nominated Darren Mierau as Vice Chair of TAMWG.

Paul Catanese seconded the nomination.

The nomination passed unanimously by voice vote.

Paul Hauser made a motion that the TMC have the science solicitation proposal be sent to TAMWG.

Rich Lorenz seconded the motion.

The motion passed unanimously.

Tom Stokely made a motion that the TMC cancel the funding for the “Proposal to Address Refinements Trinity River Restoration Program,” unless the TMC adopts the following into their bylaws as recommended by the 2008 Trinity River Situation Assessment Report by CDR Associates (pages 26 and 27):

- 1. Shift the voting process from a supermajority to a simple majority.**
- 2. Require a TMC member with a specific programmatic or financial interest in that outcome of a decision by that body to recuse themselves from voting on that issue.**
- 3. Enlarge the number of voting members on the TMC to provide for a representation of a broader number of interests, and to increase the number of disinterested parties who could vote on programmatic or financial issues where other TMC members have direct interest. This could involve adding some other government entities (the Bureau of Land Management, the Natural Resources Management Agency, or Humboldt County) or some members of TAMWG. If members of TAMWG were added to the TMC, consideration should be given to dissolving TAMWG, as it functions would probably be duplicative to the newly constituted TMC.**

Paul Hauser seconded the motion.

The motion passed with nine yes votes, two no votes, and one abstention.

Kelli Gant made a motion to accept the recommended flow for the Wet Year and Alternative 2 for the Extremely Wet Year. Alternative 2 would have less impact on power generation with minor effects on ecological objectives.

Paul Hauser seconded the motion.

The motion passed with nine yes votes and one no vote.

Ed Duggan made a motion that a maximum of 2800 cubic yards of gravel be added for Wet or Extremely Wet Water years.

Kelli Gant seconded the motion.

The motion passed with six yes votes and four no votes.

Meeting Minutes by Agenda Item

1. Welcome, Introductions, Approve Agenda and Minutes

Tom Stokely, Trinity Adaptive Management Working Group (TAMWG) Vice Chair opened the meeting. After review of the agenda, the December meeting minutes were taken up.

Kelli Gant made a motion to accept the December meeting minutes with the minor edits submitted by Joe Polos.

Ed Duggan seconded the motion.

The motion passed unanimously.

2. Public Comment

Dave Wellock commented on a letter he sent to TAMWG regarding the water level that was let out and the amount of fish returned. He said he was still confused by the answers about the creeks being high, high water level, or malfunction of the gates. He also did not get a direct answer on the returns but was told that they let a lot of young fish out. He also commented on the TAMWG bylaws and on the makeup of the members. He did not see representatives for agriculture water user, or timber, ranchers, or those with water rights.

Joe Polos said that the TAMWG did have agriculture representatives but they have recently resigned and new representatives are being vetted in Washington DC. He would like to talk with Wellock about getting names for representatives from other groups as they would like to have these on the TAMWG.

Ed Duggan asked if tribes were supposed to be on the TMC and not TAMWG. Polos said tribal governments serve on the TMC but members representing fishing or other issues can be on the TAMWG.

John Letton commented that he appeared at a TMC meeting about a year ago about changes made in the increased flows in the spring without notifying business such as his. He expressed his gratitude for the Program addressing that. He noted a new rumor about increased flows for safety of dam releases and just this rumor started cancellations at his lodge. He asked that the Program be aware of the ripple effects of comments such as they are thinking about increased releases.

Wellock noted the side of the road down to the Bucktail project has long logs placed there and he is worried these logs may wash into the river and cause damage to the bridge.

Michael Carlton commented the increased dam releases can affect the rafting business.

Caryn Hunt DeCarlo said she had sent that memo regarding the safety of dam releases. She said it was really good to hear these concerns and she will talk to Bureau of Reclamation about this. She said she doesn't think there will be any safety of dam releases, but they do have to let the public know. Perhaps she can craft that memo differently. The release they did utilize was through the Carr Tunnels to increase storage in the Central Valley. Kelli Gant asked that the memo be worded with less technical terms and this may make it sound less threatening. Tom Stokely said safety of dam releases would be a good agenda item to have as a presentation.

Ken Lindke Environmental Scientist with CDFW provided estimates of fish returns for the Klamath entire basin were just over 27,000 fall Chinook, with just under 5,000 of these to the Trinity basin excluding the hatchery; the hatchery had an additional 1500 Chinook returns. These were the lowest returns on record since 1978 when record keeping was started. Three alternatives being considered by the Pacific Fisheries Management Council all involve the closure of all ocean fishing for Klamath management zone; two of these alternatives limit in-river recreational harvest to approximately 125 adults, the third alternative is to close recreational fishing in the river. Another idea is have a jack-only fishery. This data is on the Pacific Fisheries Management Council website.

3. Designated Federal Officer Update

Joe Polos, Designated Federal Officer, apologized that they could not include all the agenda items that had been proposed. There were technical problems in Washington and the FACA rules. The new agriculture representatives to the TAMWG were not approved as expected and are going through vetting again in Washington DC. The TMC had not met since the last TAMWG but the action tracker is current and on the website. The TMC is meeting next week. Two items that did not get added to the TAMWG agenda this month were gravel augmentation and pool filling and Hoopa Valley comments on the harvest weir, restoration and hatchery management for coho as a block of management actions.

Polos noted the TAMWG will need to consider how to interact with the TMC on the program re-alignment. He noted they need to have election of new officers as this is the first meeting of the year.

The TAMWG took up the election of new officers at this time.

Mike McCarthy nominated Tom Stokely as chair of the TAMWG.

Ed Duggan seconded the nomination.

The nomination passed unanimously by voice vote.

There were no other nominations.

Tom Stokely said if he has to take an advocate position, he will have the Vice Chair take over the Chair position.

Paul Hauser initially nominated Kelli Gant as Vice Chair, but Gant declined due to having too full a schedule.

Ed Duggan nominated Darren Mierau as Vice Chair of TAMWG.

Paul Catanese seconded the nomination.

The nomination passed unanimously by voice vote.

There were no other nominations. .

Mike McCarthy suggested the TAMWG present a plaque to Elizabeth Hadley, the past Chair of TAMWG, showing their appreciation for her ability to run the meetings so well, maintain time schedules, and her fairness to all interests.

Darren Mierau asked about the missing representation on the TAMWG and if there were any changes to the Charter. Polos said there were no real changes to the Charter and it is available on the web site. Stokely noted agriculture, ranches, those with water rights, and tribal members are among the missing representation. .

4. TMC Chair Update

This item was taken up following Item 5. Seth Naman, Trinity Management Council (TMC) Chair, gave his update. He noted the discussion of Item 5, that the TAMWG is not satisfied with the TMC, and that this is sad. He commented that he has tried to be responsive to the TAMWG while he has been TMC Chair. He noted that the bylaws of the TMC do not facilitate change within the TMC and it may need to come from outside or from higher levels. Naman noted that the TMC did not meet last December and he reviewed several issues that the TMC had been addressing such as the wells program and the Tribes fish trapping weir.

Ed Duggan asked how the Hoopa Tribe can stop the flow of fish into the upper river and isn't that something the TMC can address. Naman said he did not think that fish were prevented from accessing the upper river. He said the Tribe operates on the same schedule as the CDFW weir. He thought that, if the Tribe were blocking access to the upper river, it was beyond the scope of the TMC and would fall into enforcement areas. Andreas Krause commented that the Program has no regulatory authority.

5. Executive Director's Report

This item was taken up before Item 4. Caryn Huntt DeCarlo, Executive Director of Trinity River Restoration Program (TRRP), introduced herself as the new permanent executive director. She noted her prior work in Nevada and federal restoration. She said she really enjoyed her work as acting Executive Director. She thanked Mike Dixon for his work as Acting Executive Director just prior to her being hired. She next walked the TAMWG through her written report (Attachment 1).

Huntt DeCarlo went through the organizational updates, noting that Deanna Jackson is now the Grants and Agreements Specialist. Jackson has been with the Program since 1989. Kevin Held is the new Project Coordination Specialist. They have not been able to hire a new Civil Engineer and this position is now under the federal hiring freeze and will not be filled soon. The TRRP Secretary position vacated by Jackson also cannot be filled until the freeze is lifted.

Huntt DeCarlo turned the presentation over to Jenny Norris, Science Coordinator who presented on the Program's Science activities. Norris noted the FY 2018 Science Work Plan has undergone some changes to be more transparent. Proposals were due in March and are being reviewed internally and externally. The 2017 Flow Process has been modified to include the Decision Support System (DSS). She noted some of the meetings of the workgroups: Fish, Flow, and Physical. Watershed did not meet last quarter but has a funding announcement out. Riparian/

Wildlife did not meet last quarter. The Science Branch is going through a revision of the Workgroup Manual.

Tom Stokely noted that there were no proposals for compliance monitoring. Norris said they did not receive any and they will be discussing where they will be going next. Stokely asked about the makeup of the proposers. Norris said there were proposals from many entities not just Program partners. Shiloe Braxton commented the Trinity RCD did not see the funding announcement. Stokely asked if they can get a copy of the funding request next year. Paul Catanese asked if they could also be provided a list of the partners that are being reached out to for funding opportunities. Rich Lorenz said it sounds like they are trying to keep the money in house and that they should be “reaching further out.” Paul Catanese noted that some of the Partners receiving funding sit on the boards.

Paul Hauser made a motion that the TMC have the science solicitation proposal be sent to TAMWG.

Rich Lorenz seconded the motion.

The motion passed unanimously.

Darren Mierau asked about information on the fish returns. Joe Polos said the basin data had not been compiled. But they anticipated that poor water conditions that line up with poor ocean conditions every 10-12 years that can cause the bottom to drop out. Tom Stokely said they can have an agenda item on causes of fish declines for the next meeting.

Darren Mierau noted that targeting a specific age cohort for recreational harvests such as jacks may be a bad idea. Ed Duggan said the PFMFC does not have adequate representation by in-river fishing interests. Paul Catanese noted that regulating recreational fisheries targeting jacks doesn't make sense when tribes' nets do not discriminate fish by age.

Caryn Hunt DeCarlo continued the presentation and said a recent successful meeting in Junction City about the Deep Gulch environmental assessment was one of the highest attendances by the public. She noted it was an open meeting and there was lots of talk. There were concerns about truck traffic, dust, impacts to private wells, displacement of wildlife, keeping roads as not overly inviting.

Hunt DeCarlo turned the presentation over to Mike Dixon Implementation Chief, who gave a PowerPoint presentation update on the Program Implementation activities. He reviewed the Bucktail site and noted that revegetation is 70 % complete with 5,809 plantings to date. Work will continue into the fall of 2018 and will be irrigated for three years.

Dixon next moved the Deep Gulch and Sheridan projects. These were designed together to save costs. As Hunt DeCarlo noted, they just had a successful public meeting and the EA/IS out for comment until April 7. He anticipates construction about July 1, 2017 and to finish this year. The project will likely be constructed by the Tribes as they are easy to work with and understand how to do construction in the river. Paul Hauser asked how they can get a better bang for the buck if they don't bid it out. Dixon said he would argue they do get a better product at reduced cost but admitted it would be hand waving at this point. DeCarlo said a final decision has not yet been made.

Ed Duggan commented on trouble getting boats through because of shallowing on rocks in that area of the river. Kelli Gant asked what happens if they don't finish the project this year, particularly if they increased flows this fall. She asked if there was a way to calculate the

tradeoffs of fall flows and impacts to habitat restoration work and whether this is discussed. Paul Catanese commented that there is no evidence that increased flows naturally occurred in August.

Dixon showed a map of planned construction activities at Deep Gulch/Sheridan to increase complexity, lower a floodplain, construct a side channel, and add wood structures. Ed Duggan asked if they anchor wood structures with cables. Dixon said no and they no longer use non-native species. They do use posts to stabilize the jams.

Dixon listed the Dutch Creek, Chapman Ranch projects as undergoing revisions, and Upper Conner Creek, Sky Ranch, Oregon, Gulch, and Evans Bar as ready for existing conditions assessments. Current condition assessments look at geology and hydrology and assess limiting factors. The Design Team uses these assessments to come up ideas for the IDT team. Stokely asked about costs. Dixon said Chapman Ranch will not likely cost \$12 million as estimated by the value-engineering study but will cost three times that of Bucktail.

Caryn Hunt DeCarlo finalized her portion of the Executive Director's Report by noting public outreach activities by James Lee, Eric Peterson, and Robert Stewart. She noted several information meetings scheduled and publications and reports. The FY 2018 budget is currently estimated to be \$280 K less than the FY 2017 total.

Paul Hauser commented that the power users pay a significant portion of the Program budget. The costs of energy from the CVP is higher than open-market costs. The power users are cutting their budget payments to the program to match those that they would pay on the open market. The power users have to sign up for the program in 2024 for another 20 years but they can go to the open market for their energy. They don't see the sense of paying the additional costs if there are no benefits to fish. Without some major reform or cost reductions, the power users stand to walk away and this will be a major loss for the program and Hauser did not think the Bureau of Reclamation has a way to replace the funds via increased appropriations. Hauser also noted that Trinity and Lewiston dam releases of 3600 cfs maximize power generation.

At this time, Hunt DeCarlo introduced Tom Stokely's proposal to address refinements for the Trinity River Restoration Program. She reviewed that there have been several refinements or reviews of the Program. The current refinement effort by the Tribes is being proposed and under discussion by the TMC.

Tom Stokely stepped down temporarily as Chair so he could advocate for a motion; Darren Mierau took over management of the meeting as Vice Chair. Stokely reviewed that early on in the restoration effort, there was agreement that the stakeholders needed to be involved and that is how the TAMWG was formed. However, the stakeholders are still disenfranchised. The review of 2004 identified deficiencies. Stokely cited the financial conflicts of interest, voting super majority, and conflicts of interests on the TMC. He thought the TRRP was in a very good position to restore the river, but the TMC has conflicts. He noted the current effort will go out to bid and will cost \$250,000.

Tom Stokely passed out a description of his motion to cancel funding for the refinements unless the TMC adopt the recommendations made by CDR Associates to change voting to simple majority, adopt recusal from voting by members that have financial conflicts, and to enlarge the membership of the TMC.

Kelli Gant, Mike McCarthy, and Ed Duggan noted that this has been tried multiple times and has failed. They were willing to give it one more try but they opined this effort will likely fail too. David Steinhauser expressed an alternate view and he commented that the Tribes feel they are the most invested group in the Program and should be on the ground doing the work. He said the

supermajority may be good in that it protects the small numbers of the Tribes. He opined that many of the interests such as fishing, rafting, and power users are being listened to. Steinhauser said refinement proposal may not work, but he would likely not vote in favor of the motion. Seth Naman noted that the TMC has the inability to reform itself as it did not form itself. That said, it may be best to direct the letter to a higher power. Joe Polos said the TAMWG cannot do this as an organization, but the individual members can make contact with other entities. It was not clear if the recommendations that arise from the planned refinement effort would go to the TMC or higher entities and Hunt DeCarlo said she would get an answer on this. How well the Phase I review was implemented was address by Seth Naman. He noted that review was more science-oriented and not so much policy-related. Hunt DeCarlo said the refinements first steps require the consultant to review all he prior reviews.

Darren Mierau reviewed the issues: disenfranchisement, conflict of interest, authority imbued in the senior scientist manager, and the TMC bylaws prevents change from within. He said he is not ready to give up on someone coming in that may suggest successful reform. He noted Garret Huffman is supportive and that gives him hope that change may come up from above. Paul Catanese said he was in full support of the motion and he has been involved with the Program for years, but there has been little change or reform. He noted he is an unpaid volunteer and he cited an instance where they were told no gravel would be added, but gravel was still added. He said he doesn't feel that he is paid attention to.

Tom Stokely made a motion that the TMC cancel the funding for the “Proposal to Address Refinements Trinity River Restoration Program,” unless the TMC adopts the following into their bylaws as recommended by the 2008 Trinity River Situation Assessment Report by CDR Associates (pages 26 and 27):

- 1. Shift the voting process from a supermajority to a simple majority.**
- 2. Require a TMC member with a specific programmatic or financial interest in the outcome of a decision by that body to recuse themselves from voting on that issue.**
- 3. Enlarge the number of voting members on the TMC to provide for a representation of a broader number of interests, and to increase the number of disinterested parties who could vote on programmatic or financial issues where other TMC members have direct interest. This could involve adding some other government entities (the Bureau of Land Management, the Natural Resources Management Agency, or Humboldt County) or some members of TAMWG. If members of TAMWG were added to the TMC, consideration should be given to dissolving TAMWG, as it functions would probably be duplicative to the newly constituted TMC.**

Paul Hauser seconded the motion.

The motion passed with nine yes votes, two no votes, and one abstention.

Voting no was David Steinhauser and Darren Mierau. Abstaining was Mike Charlton

Lunch

The TAMWG next returned to Item 4.

6. Water Year 2017 Flow and Gravel Augmentation

Andreas Krause presented a PowerPoint as his updates on the flow scheduling process. He noted there are two water-type years that will be discussed—an Extremely Wet and a Wet water year designation. It is most likely to be an Extremely Wet water year. He walked the TAMWG through the various portions of the hydrographs. The low flow was the winter baseflow. The first increments in flow were for steelhead. The high peaks were to flush fine sediments and do geomorphic work. The bench on the declining limb had temperature objectives and fish production and out migration. The last part was summer baseflow with for Chinook holding and juvenile rearing.

He presented a hydrograph for the Wet Water Year that had elements designed for seed dispersal and riparian tree establishment. The hydrograph has an ascending limb of moderate variation, a peak release of 11,000 cfs with a small double peak, a declining limb that had a 21-day bench of variable flows, followed by a slowly declining limb that would facilitate root growth in the riparian zone.

Paul Hauser asked Krause if he could coordinate the releases with Don Bader so that the generating units that were still coming on line, tentatively April 28, could capture as much of the higher flows as possible. Loss of power generation would mean loss of funding for the Program budget. Darren Mierau asked if last year's pulsed peaks designed to facilitate geomorphic work was successful. Krause said they only have limited information, and this year's hydrograph is not necessarily designed for that.

Krause next showed three possible hydrographs that would be used in an Extremely Wet Water Year. The recommended hydrograph had a "gap" of lower flow between the geomorphic peak and the declining limb. This gap in low flow was anticipated to perform more objectives such as geomorphic work. Kelli Gant pointed out the hydrograph with the gap may have a greater impact on power generation.

Jenny Norris next presented an overview on the Adaptive Management Framework. She noted that the Program is not yet moving into monitoring phases and it is still a work in progress. They have as a priority synthesis reporting and they recognize the need for integration of management and science. She noted the adoption of models but these are still in draft form. The Program has adopted DSS but this is a small component of an Adaptive Management Process. In the application of the draft flow 2017 process, she listed eight models that have been looked at for the Program, most of which have assumptions to be tested. Kelli Gant pointed out there was no model listed for power generation. She also noted the recreation model addressed only recreation below the dam. Norris said that while they used the DSS for flow, but they are still considered to be in draft form and they are not presenting the results here. Shiloe Braxton asked how useful the models are. Norris said that some are useful and they will know better next year.

Norris next listed as set of precautionary measures regarding flows. These included peak flows on weekdays, real time monitoring, emergency response plan, and public notifications. Mike Charlton noted that weekday peak releases are not necessarily good for rafters seeking the high flows. He also asked that in the public news releases to include a statement that professional rafters are a good and safe way to enjoy the high flows so as to not sound overly threatening.

Dave Gaeuman next presented on gravel augmentation. The Workgroup is recommending 2800 to 3500 cubic yards to be added, depending on water-year type. He presented the gravel additional objectives to mitigate for dam-induced deficits and to maintain a coarse sediment balance. He reviewed that they monitor gravel in the river at four places. They have derived a set of rating

curves that describes gravel transport as a function of annual flow. They use Douglas City as a guide to estimate gravel additions. They are considering addition points at Diversion Pool and two locations at Lowden Ranch. Darren Mierau asked if the Program is running a net gravel deficit. Gaeuman said they have four sediment budget cells. The last cell near Douglas City is losing gravel, but the upper three have been gaining gravel. The reason for the loss of gravel in the lower cell is that gravel had built up there since 1960's due to low flow and inputs by tributaries and resumed flows are working through it. Dave Wellock asked if additions at Grass Valley Creek will affect his infrastructure. Gaeuman said he had taken a look at that area recently and he did not think there would be a problem. There is a large bar of gravel that came in there in 2011 and it is not likely that more gravel would pile there.

Tom Stokely asked for any motions on flow and gravel.

Kelli Gant made a motion to accept the recommended flow for the Wet Year and Alternative 2 for the Extremely Wet Year. Alternative 2 would have less impact on power generation with minor effects on ecological objectives.

Paul Hauser seconded the motion.

The motion passed with nine yes votes and one no vote.

Darren Mierau voted no.

Stokely asked for a motion on gravel augmentation. Ed Duggan asked if gravel additions are affecting fish. Gaeuman thought no. Darren Mierau asked if these additions were lower than other wet or extremely wet. Gaeuman said yes.

Ed Duggan made a motion that a maximum of 2800 cubic yards of gravel be added for Wet or Extremely Wet Water years.

Kelli Gant seconded the motion.

The motion passed with six yes votes and four no votes.

Voting no were Mike McCarthy, Mike Charlton, David Steinhauser and Shiloe Braxton.

7. TMC Current Issues

Tom Stokely went over the TMC meeting to be held next week and went over the TMC agenda. He touched on several issues to be discussed including meetings and voting by phone, the FEMA floodplain designation.

Ed Duggan asked about augmentation flows and how that would affect flow this year. Stokely said that those flows are above and beyond the ROD flows. But given the high flows this year and the low runs, it may not be an issue.

Stokely asked about agenda items for the next meeting including Hoopa Valley harvest weir, safety of dam releases, fish declines, gravel augmentation and pool filling, cost comparison of no-bid versus competitive, fall flow updates, and water year modeling.

The next TAMWG meetings were set for June 4 and 5. The next teleconference call to discuss the agenda was set for April 19 for 10 am to noon.

Adjourn 3:25 pm

LIST OF ATTACHMENTS AND OTHER DOCUMENTS

Attachment 1: Memo--Executive Director's Report to TMC and TAMWG from Caryn Hunt DeCarlo, 3/21/2017.

1a: Revised TRRP Executive Director's Report.

Attachment 2: Tom Stokely's written motion and background on motion on contract refinements.

Other Documents

Document 1: TAMWG Letters Dated June 19, 2007, June 16, 2008, June 16, 2009.

Document 2: Letter to TAMWG from TMC December 5, 2016.

Document 3: Letter to TMC from TAMWG December 14, 2016.

Document 4: Acting Executive Director's Report Mike Dixon January 23, 2017.

Document 5: TMC Agenda March 27-28, 2017.

Document 6: TAMWG Charter Renewed December 13, 2016.

Document 7: TAMWG Action Tracker.

Document 8: Letter to TMC from TAMWG Revised April 1, 2017

Document 9: TMC Meeting Notes March 27-28, 2017.