



**November 12, 2009 Meeting Notes**  
**Dungeness River Management Team**  
**Dungeness River Audubon Center**  
**Railroad Bridge Park, Sequim, WA**  
**2:00 – 5:00 P.M.**

*Notes prepared by: Melissa Coughlin*

**Team Members/Alternates in Attendance:**

Cynthia Nelson, WA Department of Ecology  
 Scott Chitwood, Jamestown S'Klallam Tribe (alt)  
 Shawn Hines, Jamestown S'Klallam Tribe  
 Bob Caldwell, Water Users Association  
 Virginia Clark, Dungeness/Quilcene Planning  
 Les Jones, Dungeness/Quilcene Planning (alt)  
 Pete Schroeder, Riverside Property Owners (RM 3.25-4.25)

Al Moore, Riverside Property Owners (RM 0-3.25)  
 Robert Brown, Dungeness Beach Association  
 Michele d'Hemecourt, NOLT  
 Andy Brastad, Clallam County (alt)  
 Don Hatler, Sports Fisheries  
 Joe Holtrop, Clallam Conservation District  
 Frank Needham, City of Sequim  
 Judy Larson, Protect Peninsula's Future

**Others in Attendance:**

Byron Rot, Jamestown S'Klallam Tribe  
 Steve Rankin, Streamkeepers  
 Matt Heins, Dungeness Farms  
 Hannah Merrill, Clallam County & EMMT

Elizabeth van Sickle, Property owner/Resident  
 Bob Boekelheide, Dungeness River Audubon Center  
 Welden Clark, Dungeness River Audubon Ctr.  
 Melissa Coughlin, Independent Contractor/note-taker

**2:00 P.M.**

**I. Introductions /Review Agenda / Review and Approve October 14<sup>th</sup> and July 8<sup>th</sup> DRMT Draft Meeting Notes**

- Pete Schroeder acted as Chair in Steve Tharinger's absence. Pete called the meeting to order.
- Introductions all around.
- Agenda was reviewed and no additions or changes were made.
- Virginia Clark made a motion to accept the minutes from the July 8<sup>th</sup> meeting, Al Moore seconded the motion, which passed unanimously. Pete asked Shawn to make sure there were enough members present to constitute a forum, there were.
- No additions or corrections were noted for the July 8<sup>th</sup> draft meeting notes.
- Draft meeting notes from October 14<sup>th</sup> meeting were reviewed. Robert Brown noted that a section was missing in the DOE section and wanted to make certain that it was noted that the earliest adoption date for the rule was February, 2010. Robert Brown made a motion to approve the October notes after Cynthia Nelson can confirm the addition of the February rule adoption, Frank Needham seconded motion which then passed unanimously.

**Public Comment:**

- Bob Boekelheide encouraged all to attend the "Nature Mart" on Saturday, November 21<sup>st</sup> at the River Center.
- Andy Brastad passed out a draft letter of support (written by Ann Soule) for the Clallam County Environmental Health Division's proposal for the Centennial Grant for comments from the DRMT. Andy requested a similar letter of support from the DRMT. Shawn Hines asked when the letter was needed and Andy said early December, there will be no DRMT meeting before the deadline. Shawn volunteered to work it out with Steve Tharinger and Ann Soule. Don Hatler made a motion that the DRMT consider a letter of support in line with the County's grant application. Virginia Clark seconded the motion. Scott Chitwood made a motion to amend Don's motion and to more than consider the letter, but actually produce a letter of support from the DRMT for the County's grant application (Shawn to produce – Team to approve). Don clarified that his intent was to generate the letter, but he gladly accepted the amendment. Frank Needham seconded Scott's amendment to the motion.
  - Andy explained that in the Lower Dungeness Area they are looking at a 6 square mile block of septic systems, some are known and some need investigating. The grant would be used for: Targeted inspections of onsite septic systems in areas upland of the MRA, starting with systems lacking a permit or other records and including sampling before and after repairs; completion of a feasibility assessment for a legal community alternative to antiquated and/or illegal onsite wastewater disposal in the low-elevation Old Town Dungeness and nearby shoreline neighborhoods, like 3 Crabs (includes involvement by affected residents); and beefing up compliance of onsite additional code compliance and developing missing enforcement tools.
  - Robert Brown remembered that the results of the bacterial studies showed that the human waste constituted a relatively low percentage. Other sources should be considered. Robert questioned looking only at septic –

although that may be easier to control. Andy cautioned that the results of the study should be considered as a qualitative (not quantitative) analysis. Birds, domestic animals and other contributors aren't within the scope of work for the Environmental Public Health Department. Andy hoped that other departments or agencies might work on the other major contributors. Matt Heins added that the human pathogens are still the worst, from a public health perspective. Robert Brown added that the Meadowbrook Creek is a cattle area.

- Pete Schroeder asked if funding from this grant will contribute to the bacterial study. Andy said the grant is to target inspection to downgrade material loadings. Pete asked the dollar amount requested, Andy said to contact Ann Soule for that.
- Bob Caldwell remarked that Matt suggested the human pathogens are the really important ones, does it follow that we should prioritize that even though it may be a relatively small percentage of the contribution. Matt answered absolutely, there isn't much that can be done with the migratory birds, but we can work with farmers on farming practices. Domestic animals are all under human control and human practices, so in those terms, the percentage of human influence is actually higher. Pete said "anthropogenic" was the term Matt needed.
- Shawn Hines informed all that the MST report from Battelle has just been completed and it will soon be on the website. If you add all the human-related activities the percentage rises to about 25%.
- Pete asked if it is appropriate for the DRMT to support the application without knowing the dollar amount requested. Andy said it may be around \$200,000.
- Michele d'Hemecourt asked about the Centennial Grant. Andy explained it is a DOE grant, open every year, and is competitive state-wide. Joe Holtrop said it was the Centennial when they passed the legislation for water quality, hence the name.
- Robert Brown commented on the July notes where Milton Griffing asked about the area above Schoolhouse Bridge, he didn't feel that Cathy Lear answered him in her presentation. Pete said that the Team is provided updates periodically. Robert would like this to be covered at another date and doesn't want to see it dropped.
- Cynthia Nelson arrived at the meeting and confirmed that February is the earliest date for filing – that begins the 180 day process prior to adoption. Robert Brown made a motion to approve the October meeting minutes with that information added, Virginia Clark seconded the motion, which passed unanimously. Cynthia Nelson also had changes to the notes which were given to the note-taker to incorporate prior to web-posting.

## II. Update on Status of Dungeness River Salmon – Scott Chitwood, Jamestown S'Klallam Tribe

- Scott said it was a little early to discuss salmon runs (we are in the middle of the Coho and Fall Chum runs) in the Dungeness River, but he can update Team on the status of some spring and summer runs.
- Scott displayed graph of "Mean Weekly Flows, Dungeness River USGS Gage" – showing May, June, July and August with the runs from years: 2002-2009. The snow melt is indicative of the kinds of distribution that is likely to be seen with spring and summer stock. At the beginning of the season things looked good, but the flow pattern reverted to what you see with low-flow conditions, with the snow melt dissipating early. Snow was late in the season. Snow pack was fairly significant but occurred late in the year. May not have had enough snow pack to sustain flow. If the fish didn't take advantage of the flow in May and early June they didn't seem to move into the higher basins.
- Scott discussed the information on the graph, "Annual Return of Dungeness Chinook". In 2009, 205 adult Chinook returned. Robert Brown asked for the time period the data covered and Scott said it is the total for the 2009 season.
- 2009 breakdown of total 205: 51 redds; 77 adults were removed for broodstock; 128 spawners. (2.5 adults are assumed for every red).
- **2009 Spawning Season - Dungeness River System Chinook Redd Distribution:**

<b>DUNGENESS RIVER</b>	Lower R.M.	Upper R.M.	Length	Chinook Redds
Mouth to Woodcock Bridge	0.0	3.3	3.3	12
Woodcock Bridge to Hwy 101	3.3	6.4	3.1	4
Hwy 101 to Taylor Cut-Off - May	6.4	9.2	2.8	14
Taylor Cut-Off - May to Canyon Creek	9.2	10.8	1.6	12
Canyon Creek to Clink Bridge	10.8	13.8	3.0	3
Clink Bridge to Forks Campground	13.8	15.8	2.0	3
Forks Campground to East Crossing	15.8	17.5	1.7	3
East Crossing to Gold Creek	17.5	18.7	1.2	0
subtotal			18.7	51
<b>GOLD CREEK</b>				
Gold Creek	0.0	0.3	0.3	0
<b>GRAY WOLF RIVER</b>				
Mouth to RM 1.0 Bridge	0.0	1.0	1.0	0
RM 1.0 Bridge to Above 2 Mile Camp	1.0	2.5	1.5	0
Above 2 Mile Camp to Cliff Camp	2.5	3.0	0.5	0
Cliff Camp to Slab Camp	3.0	5.1	2.1	0
Slab Camp and upstream 1 mile	5.1	6.1	1.0	0
subtotal			6.1	0
<b>TOTAL</b>			25.1	51 redds

				128 adults
18% of redds constructed upstream of Canyon Creek				
Survey data was provided by the Washington Department of Fish & Wildlife				

- Majority of the fish spawned downstream of Canyon Creek. 80%+ spawned in the worst habitat of the basin.
- Discussion began on flow. Matt Heins remarked that 2005 was the worst flow year. Scott said the flow years are a mixed bag. Last year there was a good showing early on. Don Hatler asked if it was self perpetuating, that when large numbers of redds are downstream do the fish come back to that area? Scott Chitwood said there was a lot of tagging to sort that out at Gray Wolf Pond, they seem to get a lot of tagged spawners at that area of Gray Wolf. The fish use the flows to get to higher basins when the flows are there. Cynthia Nelson asked if spawning in the higher habitat was due to migration or spawning flows. Scott said the fish that use the higher habitat to spawn are likely to come in early (they are also the earliest spawners). Steve Rankin remarked on the different flow at end of season when spawning isn't great, but there is more water, significant (absolute) difference. Scott said that in some years the difference may be a degree of magnitude, 200 cfs – 1,200 cfs. Flows available and the number of adults result in the high proportion upstream. Judy Larson asked about the river gage used – it has been used for 78 years, she wondered how many years of fish information had been gathered. Scott said it was the gage at R.M. 11 and said the fish data has been collected since the 1980's. Judy asked if there was any correlation to distribution and counts. She thought it would be interesting historically to review low flows and fish counts. (Scott said this work has not been attempted by him). Robert Brown asked if data on water temperature could be used as factor affecting migration. Scott pointed at the graph saying the weather was hot in July and the graph shows a drop, rate of decrease then. Robert suggested the temperature of the water may also affect migration.
- “Dungeness Chinook and Spawning Timing” showed the distribution of spawners and timing of spawning activity. New redds are counted each week. There was the about the same number of redds and timing of construction of redds as last year. Interesting to compare how fish respond to flow data. 2009 and 2008 were pretty much right in the middle. There is a lot of information on this which is made possible by funding from the SRFB. Funds are provided for the purchase and operation of screw traps. Data from the screw traps and the ground work surveys from Randy Cooper's group allow for comparison of fresh water production from year to year. There are a lot of survival questions even before the fish get to the salt water that this data helps discover.

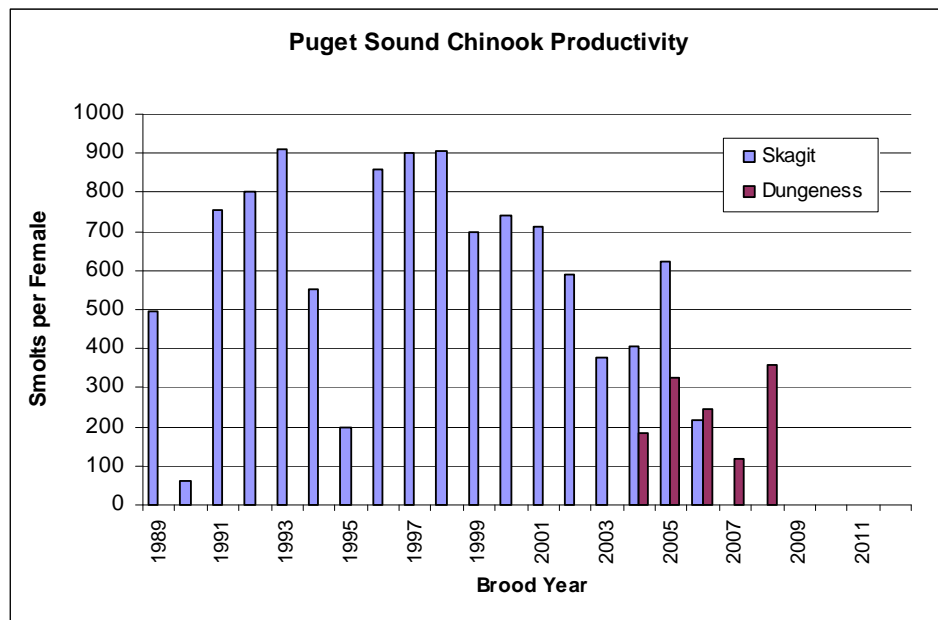
### Dungeness

Brood Year	Migration Year	Spawning Escapement		Potential Eggs	Estimated Smolts	Smolts/ female	Surv to Smolts	Peak Flow	
		Adults	Females					cfs	date
2004	2005	953	381	1906000	69399	182	4%	3620	10-Dec
2005	2006	955	382	1910000	124928	327	7%	3090	25-Dec
2006	2007	1405	562	2810000	136571	243	5%	2530	6-Nov
2007	2008	305	122	610000	14239	117	2%	3180	4-Dec
2008	2009	140	56	280000	20000	357	7%	1640	8-Jan
2009	2010	125	50	250000					

Avg 245 5%  
 Avg 04-07 217 4%

Skagit Avg (1990 through 2007) 600 11%  
 Avg 04-07 416 8%

- The Skagit River area has been collecting data for 20 years. Average survival is 600 female adults. We don't have that data for the Dungeness River. With data from the years we have, (3-4 years), Dungeness shows ½ the freshwater productivity of the Skagit. This can be attributed to a combination of stock and habitat. The Skagit is one of the biggest watersheds in the state. Flooding activity can be shown in the peak flow events data column.
- The more spawning activity, the more habitat is taken up by juvenile fish and the less productivity per fish.
- Scott's slide: “Puget Sound Chinook Productivity” – compared Skagit and Dungeness. Currently waiting for data years from Skagit research, but there are three years to compare the smolts per female with the Dungeness. Dungeness shows ½ (outside of 2006) of what Skagit records on smolts per female. The number of smolts produced against the number of spawners that produced them shows a good relationship (but small data set). The flow relationship – looked at variability of egg to smolt survival, number of smolts per egg (represented in percentage) – against the peak flows show a weak relationship.
- Expect productivity of smolts/female to go up in calm flow years. This holds true in the Skagit. High flow year = down year in productivity. See chart below.



- “Live Pink Counts, Dungeness River 2009” How the DFW estimates escapement of pinks: For those species that dig redds, surveyors can distinguish redds and assumes one red is equivalent to one female. For mass spawners: Sockeye, chum and pink, surveyors counting redds for Chinooks at the same time do “live counts” for pinks. To allow for duplication they use “area under curve” technique to count. Zero is forced at each end to develop curve to which a formula is applied to generate the number of fish. You can also count and divide by the average number fish days to get a quick pink count. Sum of all individual days count is the total. The life of an average pink salmon is 7-10 days. Take total and divide by fish days. +/- 40,000.
- “2009 Coho Salmon Return to Dungeness”. Breakdown: Commercial harvest in Dungeness Bay = 7,000; Fish handled at hatchery= 8,000; Estimated escapement and sport= 3,000: TOTAL = 18,000.
- Pete Schroeder asked if the season opened earlier this year on Coho. Scott answered the season always opens on September 21<sup>st</sup>. Someone asked about catching other things than Coho in the gill nets, Scott said other species are infrequently caught and released alive. Daylight only fishing is allowed. One of the reason the season is not opened until September 21<sup>st</sup> is the Summer Chum Conservation Plan. High flow events, other unmeasurable variables, as well as predators can endanger fish prior to making it to the sea.

### III. Dungeness River Middle Reach Restoration – Follow up – Byron Rot, Jamestown S’Klallam Tribe

- In September Byron asked DRMT for permission to send out a letter to riverside landowners from Dungeness Meadows to Kincade Island which invited them to public meetings to discuss restoration activities in that area. Byron has since discussed with colleagues on how to better prepare for the proposed public meetings.
- Byron is asking for 12 volunteers to help with a workshop on “branding” for river restoration and how to effectively communicate messages to riverside land owners. (See handout on “Branding Workshop Proposal”)
- An experienced consultant would be hired to conduct the workshop.
- Byron noted that folks seem to shut down and stop listening at public meetings. Byron would like to discover the underlying messages to convey about river restoration through the workshop. To effectively restore the area they need to scale-up, there are 225 landowners from 101 to Kincade Island, not counting Dungeness Meadows. Found with River’s End project that you can’t please or reach all the landowners.
- Dungeness River Middle Reach area was determined the 2<sup>nd</sup> most important habitat area in terms of restoration according to effort conducted 5-7 years ago to rank – contact Shawn Hines for ranking data.
- Byron proposed that DRMT members and folks familiar with the restoration area attend the branding workshop. Byron said the workshop is the first step, and then the information discovered there is taken to a focus group with landowners. The first step is getting the message right at the branding workshop. Focus groups will be about 1 ½ hours and eventually lead to the public meetings.
- Pete Schroeder clarified that from upstream 101 to Kincade Island there are about 200 people and asked if the total people involved is about 300. There are 100 people in Dungeness Meadows. Originally they are inviting riverside landowners – owning adjacent lots to river. Matt Heins said he would love to give input on the restoration projects from his standpoint.
- There is a wide-range of opinions which are hoped to be uncovered at focus group meetings. Cynthia asked if the focus groups would be used to exchange information. Would this be a place to voice concerns about property rights?

Byron said yes, they want to discover the values and how that associates with the river and may get feedback on a list of restoration projects, noting if any “buttons” get pushed.

- Shawn clarified that after the one day branding workshop the DRMT would not be involved. Byron said he wanted DRMT help with the branding. Workshop will be for 10-25 people.
- Judy asked about the timeframe for workshop – Byron said it will be held after the first of the year.
- Pete asked what the criteria will be to get a representation of the 300 or more landowners at the focus group. Byron said they will be finding out the demographics for the group and try to get a representation of that. One from Lower River, one from Upper River, etc.
- After the focus group a mailer will be sent out with questions from the focus group work. Focus group and workshop will be led by a professional in this field. Want volunteers for the branding workshop who are knowledgeable on the projects and the area. Robert Brown felt that people should be made aware of some of the things that are being planned, and should also allow for some areas for public access.
- Pete was reminded of the Dungeness River Green Way project – ran across many problems, recommended getting the publications from that project where the river landowners were interviewed. The project was about getting properties into conservation easements. May be very helpful.
- Public access is not always a part of restoration projects.

#### **IV. Proposed River’s End Restoration Plan for WDFW Property – Matt Heins, Dungeness Farms**

- Matt has come to the DRMT today concerned that WDFW is moving forward on agricultural planting on 50 acres at River’s End in the lower Dungeness. Concern is that process is moving away from the SFBD restoration plan. Plan originally called for “take some, use some” policy with possible grain production on the land. The river may change course to the 1855 channel. If agricultural uses are employed, the land in the area will be plowed, planted and new soil will be brought in. This may lead to years and years of planning going down the drain with the (newest) WDFW plan. Matt doesn’t know which agricultural practices will be used. Shawn remarked it was unfortunate that neither Michael Blanton nor Kyle Guzlas (WDFW) were here to update on WDFW plans. Matt is worried that it is moving too fast – doesn’t want to see an open-ended agricultural lease signed. Don Hatler asked if there was any way to access the WDFW plan on-line. Hannah Merrill said the draft is not on-line. Matt said that Dungeness Farms is listed as a neighboring property in the plan, but has not been informed of new developments. Pete said the Land Trust had 40 acres that had been deeded to the WDFW. Easement was donated by the previous owner with agricultural use provision, perhaps that is what is going on.
- Flood maps and maps of the area were passed for review. Bob Caldwell asked if the land is to be planted with annual crop or under pasture management. Matt said that crops will draw waterfowl, (particularly swans), resulting in crop loss on neighboring areas. Not beneficial for the neighboring farmer with an agricultural lease.
- Byron Rot said the Tribe gave a planting plan to WDFW to rid the area of thistle, reed canary grass – he doesn’t know what they’ll put in. Matt said the “agricultural practice” has not been clarified, but thought they were turning away from planting grain. Robert Brown said the Dungeness Beach Association is not aware of what’s going on there. Concern because of proximity, especially during hunting season. Pete asked about the 5 acres in the middle and was told by Robert Brown that the whole area is WDFW land. Matt is concerned that new development deviates drastically from plan for River of last ten years. Dungeness Farms have attended any meetings they’ve known about.
- Byron Rot was asked what he knew, which is basically that the Tribe gave WDFW a plan to plant out the entire site and mow to control thistle. WDFW was uncomfortable with plan, they only had some funding, and they came back with plan for the wedge on map for “agricultural purposes” (which was undefined). Matt thought they want to attract waterfowl, which pasture management would do. Plant before river shifts. There will be no vegetation whatsoever if the river changed course today.
- Pete said it could be like Willit’s property (barley planted there) – and asked Matt if he thought that was the model WDFW was trying to impose and would that hurt anything? Matt said it wouldn’t hurt at all, but it isn’t part of the plan, which is a long-term vision. May result with all the eel grass disappearing.
- Pete asked Matt what actions he wanted from the DRMT. Matt wants the DRMT to ask WDFW what they’re planning for the area. Hannah said an underlying issue is the MOU between the Tribe, County and DFW that concerned restoration in that area. Can’t really speculate on this without a representative from the WDFW. Bottom line for all partnering groups (Tribe, County, Dungeness Farms and DFW) is that agricultural practices were part of this parcel and then were removed for the long-term vision for that area. Best to request the WDFW to speak to DRMT. Hannah has discussed the area with Kyle Guzlas who has said their original vision has shifted, but doesn’t think they’ve decided on an implementation plan.
- Robert Brown proposed the WDFW distribute their draft plan to DRMT for review prior to release. Byron said their draft plan is not that explicit, mainly just concerned with getting rid of the weeds. Pete suggested Shawn contact reps at WDFW to address DRMT meeting soon - should be an agenda item. Matt is concerned they are moving too fast with an agricultural lease, before any public discussion on any plan. Byron said that now is when the trees and shrubs are ordered for next planting season for grant. 8-9 acres have been given a “green light”.

- Michele remarked that there is no conservation easement on that property. Hannah thought it may be an agricultural easement that was given.
- It was agreed that Shawn will make arrangements for WDFW representative to come speak to Team.

#### **V. Department of Ecology Updates – Cynthia Nelson, WA Department of Ecology**

- Dungeness Rule Status: Still on-track to formally file Rule next winter.
- Meeting on the 20<sup>th</sup> with the executive rule-making committee. Hope to have draft rule out. Will let people know when and how it will be available. Visit <http://www.ecy.wa.gov> for updates. There will also be hardcopies available for people without access to Internet. Comments will be made to DOE (through e-mail, oral testimony at public hearings) and the DOE will review the comments and revise the Rule as necessary. Within 180 days the final Rule will be filed with the Code Reviser's Office. 31 days later the Rule will be adopted into law.
- Pete asked if a request will be made for the DRMT (or committee from the DRMT) to review the draft Rule and give opinion. Cynthia commented that a workshop could be given on the Rule or could hold a conversation on the Rule at a DRMT meeting, thinks it would be beneficial for all to get up to speed on this. Shawn asked if the reason the draft isn't on-line now is because Ecology has not yet addressed comments made by individual Dungeness River Executive Committee (DREC) members. Cynthia responded that Sarah Ferguson (WDOE) is working on changes based on those comments. The Rule language included mitigation exchange and they were waiting to hear from the attorneys about the exempt well interpretation. Sarah is working on the Rule amendments as needed. Cynthia asked how many people would be interested in spending a couple of hours on the Rule (5 hands were raised). Cynthia suggested the Team could write a letter with comments. One letter with general comments from the Team and a number of letters from individuals can be submitted. Pete asked if Sarah would finish with the draft and have it in final draft form before reviewing by December. Cynthia thought so. Robert Brown thought it would be useful to review the draft Rule to comment prior to the next DRMT meeting. December 9<sup>th</sup> DRMT agenda was discussed, Shawn noted the agenda was full, Robert thought January DRMT may be more appropriate.
- New director, Ted Sturdevant at the WDOE. He has been a legislative liaison for years. He knows the issues and has a good working relationship with the different agencies.
- When asked if there are any updates on the Attorney General's recent (9/21) interpretation of ground water permit exemptions, Cynthia said the Attorney General has looked at Quil/Sno and Dungeness draft rules. Attorney General may run counter suit.

#### **VI. Other Business / Announcements**

- Andy Brastad said that last year at this time the Department of Ecology announced that there was funding available to implement instream flow Rule. Clallam County applied and application was accepted. The application was for setting up the structure/process and then testing the water exchange. This included developing properties and having water available as well as a way to mitigate. The County received the funds recently. Last Tuesday the Commissioners signed the contract with WDOE. "Request for Proposal" went out for the Phase 2 for the water exchange. Due date for the proposals has passed. Two consultants have applied and a committee is being setup to determine which will be hired. The Committee that will evaluate proposals will be made from representatives from the Jamestown S'Klallam Tribe, Water User Association, DOE and the County. Gary Smith will represent the Water User Association.
- Puget Sound Partnership: All day meeting tomorrow of the Strait of Juan de Fuca Ecosystem Recovery Network for Clallam and Jefferson Counties at the Red Cedar Room at the Jamestown S'Klallam Tribe Tribal Center. (Pete Schroeder attends as DRMT representative).
- Judy Larson spoke about an Ecology watershed workshop that happened about a week ago (10/22). No one from this watershed attended and Judy asked Cynthia to report. Cynthia reported there were some very good presentations: DOH and DOE addressed gaps and overlaps with regards to water rights; Lower Columbia Fish Recovery (there is an instream flow rule in place there now); nuts and bolts on mitigation strategy – presentation on detailed implementation.
- Scott Chitwood asked if anyone attended the Climate Change Workshop put on by the U.S. Forest Service. Hannah had and said it was very informative (although depressing). The speakers at the workshop encouraged restoration work. Expect drier months in the summer, cycles with less snow packs and more water in the winter.
- Pete Schroeder asked if there were any updates on the NASA tools. Scott said the only updates he has had have been at the DRMT meetings. Pete suggested Shawn put NASA update on a future agenda. Scott thought that the tools that measured stream flow and volume of storage at higher slopes were interesting. Scott saw practical applications laying good groundwork. He also thought the high tech imagery tools may provide data that can be used in gathering and predicting fish data collection and other uses. Robert Brown noted that the NASA model incorporates a feedback mechanism so that the prediction and actual results are fed back to the model (to potentially calibrate) so that it can be essentially a self-correcting model.
- Robert Brown mentioned that he had sent Steve Tharinger a list of questions/topics on Rule-making and Steve responded that Cynthia or Andy could answer those at this meeting. Robert had initially phrased them to get a response

from the County's perspective. One of these questions: Are well owners going to be given senior water rights? There are still several absent landowners who might be here part of the year, with wells. Cynthia responded that you have a water right when water is put to beneficial use. No water right when water isn't being used. They are not going to be identifying people, the relative priority dates are the determining factor. Robert wanted to know how 2-3 years from now that will be determined. Andy said that after the Rule is in effect the Exchange will track. If it pre-dates the Exchange there will be a water right. Robert felt that put people in a nebulous state for those not clued-in, it should be written. Cynthia said it will be written in the Rule. Andy said there will be public meetings to discuss. Judy suggested a direct notice with tax assessment to let people know what is happening in the jurisdiction where they own property. Cynthia was asked if there will be any new obligations for current well owners once the Rule is adopted, to which she replied: required meter readings will take place.

**Public Comment:**

- Judy Larson asked if it was possible to get the information on the verification on per capita water use by Sequim.
- Judy Larson also wanted to share information on the "Puget Sound Stormwater Monitoring Workshop: Designing a Monitoring Program for the Future" which was held on Tuesday, November 10<sup>th</sup> from 8:30 A.M. – 3:00 P.M. at the Federal Way Aquatic Center and was sponsored by the Stormwater Work Group. For more information visit: <http://eee.ecy.wa.gov/programs/wq/psmonitoring/swworkgroup.html> and <http://sites.google.com/site/pugetsoundstormwaterworkgroup/> The agenda was packed and the goals for the workshop was to 1) share the draft of Volume One of the work – the Stormwater Monitoring Framework, and listen to comments and feedback on that draft document and 2) get advice on Volume Two of the work – the Implementation Plan.

**VII. Meeting Adjourned at 4:55 P.M.**

**Handouts:**

- Andy Brastad: Draft letter by Ann Soule re: Clallam County Environmental Health Division's FY2011 Water Quality Financial Assistance Application.
- Byron Rot: "Branding Workshop Proposal" describing a branding workshop and outline for a workshop.