

## Summary of Consultation

On September 14, 2007, Douglas PUD filed a Revised Study Plan (RSP) Document with the FERC. On October 11, 2007, FERC issued its Study Plan Determination based on its review of the RSP Document and comments from stakeholders. FERC's Study Plan Determination required Douglas PUD to complete 10 of the 12 studies included in its RSP Document. Douglas PUD opted to complete all 12 studies to better prepare for the 401 Water Quality Certification process and to fulfill its commitment to the Resource Work Group (RWG) participants.

On October 15, 2008, Douglas PUD filed with the FERC the Initial Study Report (ISR) Document that contained final reports for eight studies and contained interim progress reports for four of the studies. This Updated Study Report (USR) Document contains the four final reports described as interim reports at the time the ISR Document was filed with the FERC.

Appendix C (Summary of Consultation) of the USR Document references the consultation record supporting the PAD, PSP Document, RSP Document and ISR Document (Tables 1-4). Table 5 includes the consultation record supporting the USR Document. In addition to the tables and documents included in Appendix C, all of the ILP-related material since the beginning of the relicensing process can be found on the Wells Project Relicensing website at [www.douglaspud.org/relicensing](http://www.douglaspud.org/relicensing).

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## APPENDIX C SUMMARY OF CONSULTATION

<b>Table 1 – Consultation Record Supporting the Pre-Application Document (PAD)</b>		
<b>Date</b>	<b>Consultation Document</b>	<b>Source</b>
August 8, 2005	Information Request Letter	PAD Appendix B – 4
August 31, 2005	Stakeholder Outreach Letter	PAD Appendix B – 10
September 20, 2005	Stakeholder Outreach Letter	PAD Appendix B – 16
Aug – Oct 2005	Responses Received from Information Request Letter	PAD Appendix B – 22
Aug – Oct 2005	Critical Stakeholders Outreach Meetings	PAD Appendix B – 39
Aug – Oct 2005	Thank You Letters to Critical Stakeholders	PAD Appendix B – 41
October 18, 2005	ILP Workshop	PAD Appendix B – 44
October 18, 2005	ILP Workshop Sign-In Sheet	PAD Appendix B – 46
October 18, 2005	RWG Sign-In Sheets	PAD Appendix B – 48
October 24, 2005	Thank You Email after ILP Workshop	PAD Appendix B – 53
November 7, 2005	Meeting Notes from ILP Workshop	PAD Appendix B – 55
Oct 2005 – Oct 2006	RWG Meetings Schedule	PAD Appendix B – 61
November 15, 2005	Aquatic RWG Meeting	PAD Appendix B – 64
November 18, 2005	Cultural RWG Meeting	PAD Appendix B – 81
November 17, 2005	Recreation RWG Meeting	PAD Appendix B – 103
November 16, 2005	Terrestrial RWG Meeting	PAD Appendix B – 119
November 2005	Wells Project Tours and Participants	PAD Appendix B – 134
December 1, 2005	Letter to FERC requesting designation as non-federal representative for ESA consultation	PAD Appendix B – 136
December 7, 2005	Letter to Douglas PUD from FERC granting authorization to conduct day-to-day Section 106	PAD Appendix B – 139
December 7, 2005	Letter to Douglas PUD from FERC designating non-federal representative for ESA	PAD Appendix B – 142
January 9, 2006	Aquatic RWG Meeting	PAD Appendix B – 145
January 12, 2006	Cultural RWG Meeting	PAD Appendix B – 157
January 13, 2006	Recreation RWG Meeting	PAD Appendix B – 165
January 11, 2006	Terrestrial RWG Meeting	PAD Appendix B – 193
February 2, 2006	Aquatic RWG Meeting	PAD Appendix B – 204
February 9, 2006	Cultural RWG Meeting	PAD Appendix B – 243
February 10, 2006	Recreation RWG Meeting	PAD Appendix B – 267
February 8, 2006	Terrestrial RWG Meeting	PAD Appendix B – 282
February 1, 2006	Letter to Douglas PUD from WDFW regarding Relicensing Priorities	PAD Appendix B – 298
February 17, 2006	Letter to WDFW from Douglas PUD regarding Relicensing Priorities	PAD Appendix B – 304
March 2, 2006	Aquatic RWG Meeting	PAD Appendix B – 306
March 10, 2006	Recreation RWG Meeting	PAD Appendix B – 327

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<b>Table 1 – Consultation Record Supporting the Pre-Application Document (PAD)</b>		
February 24, 2006	Terrestrial RWG Meeting	PAD Appendix B – 344
March 22, 2006	Email regarding Wells Project Tour	PAD Appendix B – 366
April 3, 2006	Letter to Douglas PUD from City of Pateros regarding Issue Statements	PAD Appendix B – 368
April 6, 2006	Aquatic RWG Meeting	PAD Appendix B – 370
April 11, 2006	Memo to Cultural RWG regarding Wells Area of Potential Effect (APE)	PAD Appendix B – 383
April 14, 2006	Recreation RWG Meeting	PAD Appendix B – 385
March 23, 2006	Terrestrial RWG Meeting	PAD Appendix B – 396
May 31, 2006	Letter to CCT from FERC regarding Consultation with the CCT	PAD Appendix B – 411
July 18, 2006	Letter to DAHP from Douglas PUD regarding Project Area of Potential Effect	PAD Appendix B – 415
July 18, 2006	Letter to CCT from Douglas PUD regarding Project Area of Potential Effect	PAD Appendix B – 417
July 21, 2006	Aquatic RWG Meeting	PAD Appendix B – 419
July 27, 2006	Cultural RWG Meeting	PAD Appendix B – 468
July 14, 2006	Recreation RWG Meeting	PAD Appendix B – 476
July 20, 2006	Terrestrial RWG Meeting	PAD Appendix B – 521
July 24, 2006	Letter to Douglas PUD from DAHP concurring with Project Area of Potential Effect	PAD Appendix B – 585
July 25, 2006	Letter to BIA from Douglas PUD regarding Section 106 Consultation	PAD Appendix B – 587
August 29, 2006	Aquatic RWG Meeting	PAD Appendix B – 589
September 14, 2006	Aquatic RWG Meeting	PAD Appendix B – 654
September 7, 2006	Cultural RWG Meeting	PAD Appendix B – 673
September 12, 2006	Terrestrial RWG Meeting	PAD Appendix B – 679
Sept - Nov 2006	Wells Project Relicensing Policy Meetings	PAD Appendix B – 738
September 27, 2006	Phone Conversation with the Umatilla Tribes regarding Request for Policy Outreach Meeting	Communication page
September 28, 2006	Cultural RWG Meeting	PAD Appendix B – 747
October 19, 2006	Cultural RWG Meeting	PAD Appendix B – 753
October 25, 2006	Letter to Douglas PUD from CCT concurring with Project Area of Potential Effect	PAD Appendix B – 773

## APPENDIX C SUMMARY OF CONSULTATION

<b>Table 2 – Consultation Record Supporting the Proposed Study Plan Document (PSP)</b>		
<b>Date</b>	<b>Consultation Document</b>	<b>Source</b>
December 1, 2006	Douglas PUD files NOI and PAD	Communication page
December 4, 2006	Email regarding Wells Project ILP begins to Aquatic RWG	Communication page
December 12, 2006	Email regarding Wells Project ILP begins to Terrestrial RWG	Communication page
December 12, 2006	Email regarding Wells Project ILP begins to Recreation RWG	Communication page
December 12, 2006	Email regarding Wells Project ILP begins to Cultural RWG	Communication page
December 13, 2006	Email regarding Date change to Cultural RWG	Communication page
December 21, 2006	Email regarding Cultural RWG Meeting Information	Communication page
December 26, 2006	Email regarding Dates for Aquatic RWG Meetings	Communication page
January 10, 2007	Email regarding Cultural Resources Data Review	Communication page
January 12, 2007	Email regarding Cultural Resources Investigation and RWG Agenda	Communication page
January 17, 2007	Cultural RWG Meeting	Meetings page
January 19, 2007	Email regarding Draft Cultural RWG Meeting Notes	Communication page
January 22, 2007	Email regarding Agenda for Terrestrial RWG Meeting	Communication page
January 23, 2007	Email regarding Agenda for Recreation RWG Meeting	Communication page
January 24, 2007	Email regarding Suggested date change for Cultural RWG Meeting	Communication page
January 25, 2007	Email regarding Date changed for Cultural RWG Meeting	Communication page
January 30, 2007	Email regarding White Sturgeon Assessment	Communication page
January 30, 2007	Email regarding FERC issues Scoping Document 1	Communication page
February 2, 2007	Email regarding Final Cultural RWG Meeting Notes	Communication page
February 6, 2007	Terrestrial RWG Meeting	Meetings page
February 7, 2007	Aquatic RWG Meeting	Meetings page
February 8, 2007	Email regarding Draft Terrestrial RWG Meeting Notes	Communication page
February 9, 2007	Email regarding Aquatic Study Plans from PAD	Communication page
February 9, 2007	Recreation RWG Meeting	Meetings page
February 13, 2007	Email regarding Question about Policy Meeting	Communication page
February 13, 2007	Email responding to Question about Policy Meeting	Communication page
February 16, 2007	Email regarding Recreation data question	Communication page
February 16, 2007	Email regarding Response to recreation data question	Communication page
February 16, 2007	Email regarding Final Terrestrial RWG Meeting Notes	Communication page
February 21, 2007	Phone conversation with BLM	Communication page
February 23, 2007	Email regarding Final Recreation RWG Meeting Notes	Communication page
February 23, 2007	Email regarding Final Aquatic RWG Meeting Notes	Communication page

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<b>Table 2 – Consultation Record Supporting the Proposed Study Plan Document (PSP)</b>		
February 27, 2007	Email regarding Agenda for Cultural RWG Meeting	Communication page
February 28, 2007	Letter to FERC from Pateros regarding Comments on PAD and SD1	Communication page
March 1, 2007	Fax regarding Douglas PUD and BIA Meeting Notes	Communication page
March 7, 2007	Phone conversation with USFWS	Communication page
March 7, 2007	Email regarding Cultural Resources Scope of Work	Communication page
March 8, 2007	Cultural RWG Meeting	Meetings page
March 9, 2007	Email regarding Draft Cultural RWG Meeting Notes	Communication page
March 16, 2007	Email regarding Final Cultural RWG Meeting Notes	Communication page
March 19, 2007	Letter to FERC from Betty Wagoner regarding Scoping	Communication page
March 22, 2007	Email to FERC from Douglas PUD regarding Sharp-tailed grouse	Communication page
March 27, 2007	Email to FERC from Douglas PUD regarding Mule deer	Communication page
March 29, 2007	Letter to FERC from Friends of Fort Okanogan regarding Comments on relicensing process	Communication page
March 30, 2007	Letter to FERC from Douglas PUD regarding Comments on Scoping Meeting Transcripts	Communication page
March 30, 2007	Letter to FERC from Douglas PUD regarding SD1	Communication page
March 30, 2007	Letter to FERC from WDOE regarding Comments on PAD and SD1	Communication page
March 30, 2007	Letter to FERC from City of Brewster regarding Comments on PAD and SD1	Communication page
March 30, 2007	Letter to FERC from WDFW regarding Comments on PAD and SD1	Communication page
March 30, 2007	Letter to Douglas PUD from FERC regarding Comments on PAD and Study Requests	Communication page
March 30, 2007	Letter to FERC from City of Pateros regarding Comments on PAD and SD1	Communication page
March 30, 2007	Letter to FERC from USFWS regarding Comments on PAD and SD1	Communication page
April 2, 2007	Letter to FERC from BIA regarding Comments on PAD and SD1	Communication page
April 3, 2007	Letter to FERC from City of Brewster regarding Comments on PAD and SD1 (paper filing)	Communication page
April 4, 2007	Updated Letter to FERC from City of Pateros regarding Comments on PAD and SD1	Communication page
April 5, 2007	Email regarding Agenda for Aquatic RWG Meeting	Communication page
April 5, 2007	Email regarding Agenda for Terrestrial RWG Meeting	Communication page
April 6, 2007	Email regarding Cancellation of Recreation RWG Meeting	Communication page
April 6, 2007	Updated Letter (paper copy to FERC) from WDOE regarding Comments on PAD and SD1	Communication page
April 9, 2007	Email regarding Agenda for Cultural RWG Meeting	Communication page
April 9, 2007	Updated Letter (paper copy to FERC) from USFWS regarding Comments on PAD and SD1	Communication page
April 10, 2007	Email regarding Cultural Resources Investigation	Communication page
April 13, 2007	Email regarding Cancellation of Aquatic RWG Meeting	Communication page
April 13, 2007	Email regarding Cancellation of Terrestrial RWG Meeting	Communication page
April 23, 2007	Email regarding Draft Cultural RWG Meeting Notes	Communication page
April 23, 2007	Email to WDFW from Douglas PUD regarding Study Request Meeting	Communication page

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**SUMMARY OF CONSULTATION**

<b>Table 2 – Consultation Record Supporting the Proposed Study Plan Document (PSP)</b>		
April 24, 2007	Letter to FERC from Douglas PUD regarding Reply Comments on SD1 and PAD	Communication page
April 25, 2007	Email regarding Final Cultural RWG Meeting Notes	Communication page
April 30, 2007	Email to USFWS from Douglas PUD regarding Study Request Meeting	Communication page
April 30, 2007	Email regarding Final Cultural RWG Meeting Notes	Communication page
April 30, 2007	Email to WDOE regarding Agenda for TDG Meeting	Communication page

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<b>Table 3 – Consultation Record Supporting the Revised Study Plan Document (RSP)</b>		
<b>Date</b>	<b>Consultation Document</b>	<b>Source</b>
May 1, 2007	Summary Notes from Meeting with WDFW regarding Study Requests and Comments on the PAD	RSP Appendix A - 11
May 16, 2007	Transmittal Letter to FERC from Douglas PUD regarding Proposed Study Plan Document	RSP Appendix A - 15
May 31, 2007	Email to Stakeholders from Douglas PUD regarding Agenda for Study Plan Meeting	RSP Appendix A - 31
June 28, 2007	Email to Stakeholders from Douglas PUD regarding Draft Study Plan Meeting Notes	RSP Appendix A - 35
June 29, 2007	Email to Douglas PUD from City of Brewster regarding Draft Study Plan Meeting Notes	RSP Appendix A - 45
June 29, 2007	Email to City of Brewster from Douglas PUD regarding Draft Study Plan Meeting Notes	RSP Appendix A - 49
June 29, 2007	Email to Douglas PUD from City of Brewster regarding Draft Study Plan Meeting Notes	RSP Appendix A - 57
June 29, 2007	Email to City of Brewster from Douglas PUD regarding Recreation Needs Analysis	RSP Appendix A - 59
June 29, 2007	Email to Douglas PUD from FERC regarding Draft Study Plan Meeting Notes	RSP Appendix A - 61
June 29, 2007	Email to FERC from Douglas PUD regarding Draft Study Plan Meeting Notes	RSP Appendix A - 63
July 2, 2007	Email to FERC from Douglas PUD regarding Updated 230 kV Transmission Line Study Plan	RSP Appendix A - 73
July 2, 2007	Email to Douglas PUD from FERC regarding Draft Study Plan Meeting Notes	RSP Appendix A - 95
July 2, 2007	Email to FERC from Douglas PUD regarding Draft Study Plan Meeting Notes	RSP Appendix A - 105
July 3, 2007	Phone Conversation with WDFW regarding Lamprey Study Plan Methodology	RSP Appendix A - 107
July 3, 2007	Email to Douglas PUD from FERC regarding Updated 230 kV Transmission Line Study Plan	RSP Appendix A - 111
July 3, 2007	Email to FERC from Douglas PUD regarding Updated 230 kV Transmission Line Study Plan	RSP Appendix A - 133
July 9, 2007	Phone Conversation with FERC regarding 230 kV Transmission Line Study Plan	RSP Appendix A - 135
July 9, 2007	Letter to DAHP and CCT from Douglas PUD regarding Triennial Archaeological Monitoring	RSP Appendix A - 137
July 11, 2007	Email to Stakeholders from Douglas PUD regarding Final Study Plan Meeting Notes	RSP Appendix A - 153
July 11, 2007	Email to NPS, City of Brewster, and IAC from Douglas PUD regarding Recreation Needs Analysis	RSP Appendix A - 163
July 11, 2007	Phone Conversation with WDFW regarding Nuisance Wildlife Control Study	RSP Appendix A - 183
July 12, 2007	Letter to Douglas PUD from DAHP regarding Triennial Archaeological Monitoring	RSP Appendix A - 185
July 16, 2007	Letter to Douglas PUD from WDFW regarding White Sturgeon Supplementation Efforts	RSP Appendix A - 187
July 23, 2007	Email to Douglas PUD from IAC regarding Recreation Needs Analysis	RSP Appendix A - 191
July 24, 2007	Email to Douglas PUD from NPS regarding Recreation Needs Analysis	RSP Appendix A - 195
July 26, 2007	Phone Conversation with USFWS regarding 230 kV Transmission Line Study Plan	RSP Appendix A - 199
July 30, 2007	Phone Conversation with WDFW regarding Downstream Release Location for Tagged Lamprey	RSP Appendix A - 203
August 10, 2007	Email to Douglas PUD from City of Brewster regarding Recreation Needs Analysis	RSP Appendix A - 205
August 10, 2007	Letter to FERC from City of Brewster regarding Comments on Proposed Study Plan	RSP Appendix A - 211
August 14, 2007	Letter to Douglas PUD from Umatilla Tribes regarding Comments on Proposed Study Plan	RSP Appendix A - 213
August 15, 2007	Letter to FERC from City of Pateros regarding Comments on Proposed Study Plan	RSP Appendix A - 221
August 15, 2007	Email to Douglas PUD from WDFW regarding Nuisance Wildlife Control Study	RSP Appendix A - 249



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<b>Table 3 – Consultation Record Supporting the Revised Study Plan Document (RSP)</b>		
August 16, 2007	Email to Douglas PUD from Oregon State University regarding Tag Technology for Lamprey	RSP Appendix A - 253
August 17, 2007	Email to Douglas PUD from USGS regarding Tags to Evaluate Juvenile Lamprey Passage	RSP Appendix A - 257
August 22, 2007	Phone Conversation with USFWS regarding letter citation from the Umatilla Tribes	RSP Appendix A - 261

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<b>Table 4 – Consultation Record Supporting the Initial Study Report Document (ISR)</b>		
<b>Date</b>	<b>Consultation Document</b>	<b>Source</b>
September 14, 2007	Transmittal Letter to FERC from Douglas PUD regarding Revised Study Plan Document	ISR Appendix E - 11
September 17, 2007	Letter to FERC from NMFS regarding Filing of HCP as Comprehensive Plan	ISR Appendix E - 27
September 17, 2007	Email to USFWS and Yakima Nation from Douglas PUD regarding 2007 Adult Lamprey Passage Study	ISR Appendix E - 30
September 17, 2007	Email to Douglas PUD from USFWS regarding 2007 Adult Lamprey Passage Study	ISR Appendix E - 32
September 17, 2007	Email to USFWS, Yakima Nation and WDFW from Douglas PUD regarding 2007 Adult Lamprey Passage Study	ISR Appendix E - 34
September 17, 2007	Email to Douglas PUD from USFWS regarding 2007 Adult Lamprey Passage Study	ISR Appendix E - 36
September 20, 2007	Email to Douglas PUD from WDFW regarding 2007 Adult Lamprey Passage Study	ISR Appendix E - 38
October 1, 2007	Letter to FERC from City of Pateros regarding Comments on Revised Study Plan	ISR Appendix E - 40
October 11, 2007	Letter to Douglas PUD from FERC regarding Study Plan Determination	ISR Appendix E - 53
October 16, 2007	Letter to NMFS from FERC regarding Filing of HCP as Comprehensive Plan	ISR Appendix E - 63
November 7, 2007	Letter to FERC from City of Pateros regarding Rehearing Request	ISR Appendix E - 66
November 26, 2007	Letter to FERC from Douglas PUD regarding Objection to Rehearing Request	ISR Appendix E - 69
November 27, 2007	Email to Douglas PUD from WDNR regarding Downgrade of Brittle Prickly-Pear	ISR Appendix E - 73
November 27, 2007	Phone Conversation with WDFW regarding 2008 Adult Lamprey Passage Study	ISR Appendix E - 75
November 27, 2007	Phone Conversation with USFWS regarding 2008 Adult Lamprey Passage Study	ISR Appendix E - 78
November 28, 2007	Phone Conversation with WDFW regarding 2008 Adult Lamprey Passage Study	ISR Appendix E - 82
December 10, 2007	FERC Order Granting Rehearing for Further Consideration	ISR Appendix E - 85
January 7, 2008	Email to Cultural RWG regarding Agenda for Cultural RWG Meeting	ISR Appendix E - 87
January 10, 2008	Email to Douglas PUD from Ecology regarding Approval of TDG Model	ISR Appendix E - 91
January 16, 2008	Email to Colville Tribes from Douglas PUD regarding Okanogan Toxins Study	ISR Appendix E - 93
January 17, 2008	FERC Order Dismissing Rehearing Request	ISR Appendix E - 108
January 21, 2008	Email to Recreation RWG regarding Agenda for Recreation RWG Meeting	ISR Appendix E - 114
January 28, 2008	Email to Cultural RWG regarding Cultural RWG Meeting Materials	ISR Appendix E - 117
January 29, 2008	Email to Ecology from Douglas PUD regarding TDG Study	ISR Appendix E - 123
January 30, 2008	Cultural RWG Meeting	ISR Appendix E - 127
February 4, 2008	Email to Ecology from Douglas PUD regarding TDG Modeling	ISR Appendix E - 136
February 7, 2008	Email to Cultural RWG regarding Draft Cultural RWG Meeting Notes	ISR Appendix E - 143
February 19, 2008	Email to Cultural RWG regarding Final Cultural RWG Meeting Notes	ISR Appendix E - 150
February 29, 2008	Recreation RWG Meeting	ISR Appendix E - 162
March 6, 2008	Email to Recreation RWG regarding Draft Recreation RWG Meeting Notes	ISR Appendix E - 180
March 14, 2008	Email to Recreation RWG regarding Final Recreation RWG Meeting Notes	ISR Appendix E - 191
March 31, 2008	Email to Ecology from Douglas PUD regarding the Coastal Zone Management Act	ISR Appendix E - 202

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<b>Table 4 – Consultation Record Supporting the Initial Study Report Document (ISR)</b>		
May 27, 2008	Email to WDFW from Douglas PUD regarding Lamprey Spawning Study	ISR Appendix E - 207
June 5, 2008	Email to Cultural RWG regarding Agenda for Cultural RWG Meeting	ISR Appendix E - 209
June 6, 2008	Email to Cultural RWG regarding Draft Historic Properties Management Plan	ISR Appendix E - 212
June 17, 2008	Email to Terrestrial RWG regarding Agenda for Terrestrial RWG Meeting	ISR Appendix E - 215
June 19, 2008	Email to Aquatic RWG regarding Request for Study Plan Update Meeting	ISR Appendix E - 218
June 23, 2008	Email to Aquatic RWG regarding Adult Lamprey Passage Study	ISR Appendix E - 220
July 1, 2008	FERC Order Approving 2007 Recreation Action Plan	ISR Appendix E - 222
July 15, 2008	Aquatic RWG Meeting	ISR Appendix E - 228
July 17, 2008	Cultural RWG Meeting	ISR Appendix E - 235
July 24, 2008	Email to Cultural RWG regarding Draft Cultural RWG Meeting Notes	ISR Appendix E - 243
July 29, 2008	Email to Recreation RWG regarding Agenda for Recreation RWG	ISR Appendix E - 247
July 30, 2008	Email to Terrestrial RWG regarding Date Change for Terrestrial RWG Meeting	ISR Appendix E - 250
August 5, 2008	Email to Cultural RWG regarding Final Cultural RWG Meeting Notes	ISR Appendix E - 253
August 13, 2008	Email to Cultural RWG regarding Agenda for Cultural RWG Meeting	ISR Appendix E - 257
August 20, 2008	Email to Aquatic RWG regarding Aquatic RWG Meeting Materials	ISR Appendix E - 260
August 21, 2008	Email to Recreation RWG regarding Recreation RWG Meeting Materials	ISR Appendix E - 338
August 21, 2008	Aquatic RWG Meeting	ISR Appendix E - 359
August 22, 2008	Recreation RWG Meeting	ISR Appendix E - 369
August 25, 2008	Email to DTA/Douglas PUD from RCO regarding Recreational Needs Analysis	ISR Appendix E - 379
August 26, 2008	Terrestrial RWG Meeting	ISR Appendix E - 381
August 29, 2008	Email to Recreation RWG regarding Draft Recreation RWG Meeting Notes	ISR Appendix E - 392
August 29, 2008	Email to Cultural RWG regarding Cultural RWG Meeting Materials	ISR Appendix E - 396
September 3, 2008	Cultural RWG Meeting	ISR Appendix E - 401
September 8, 2008	Email to Terrestrial RWG regarding Draft Terrestrial RWG Meeting Notes	ISR Appendix E - 409
September 9, 2008	Email to Aquatic RWG regarding Final Aquatic RWG Meeting Notes	ISR Appendix E - 433
September 10, 2008	Email to Recreation RWG regarding Final Recreation RWG Meeting Notes	ISR Appendix E - 436
September 15, 2008	Email to Terrestrial RWG regarding Revision to Terrestrial RWG Meeting Notes	ISR Appendix E - 440
September 18, 2008	Email to Cultural RWG regarding Final Cultural RWG Meeting Notes	ISR Appendix E - 443
September 22, 2008	Email to USFWS from Douglas PUD regarding revision to Terrestrial RWG Meeting Notes	ISR Appendix E - 447
September 22, 2008	Email to Terrestrial RWG regarding Final Terrestrial RWG Meeting Notes	ISR Appendix E - 449
September 26, 2008	Email to Cultural RWG regarding Agenda for Cultural RWG Meeting	ISR Appendix E - 473
October 9, 2008	Cultural RWG Meeting	ISR Appendix E - 477

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<b>Table 5 – Consultation Record Supporting the Updated Study Report Document (USR)</b>		
<b>Date</b>	<b>Consultation Document</b>	<b>Source</b>
October 21, 2008	Email regarding Agenda for Initial Study Report Meeting	USR Appendix C-15
October 28, 2008	Email to RCO from Douglas PUD regarding ISR Meeting Availability	USR Appendix C-19
October 30, 2008	Initial Study Report Meeting	USR Appendix C-23
November 3, 2008	Email regarding Final Cultural RWG Field Visit Notes	USR Appendix C-39
November 5, 2008	Email to WDFW from Douglas PUD regarding Salmon Fishing Data	USR Appendix C-43
November 7, 2008	Final ISR Meeting Notes Filed with FERC and Sent to Stakeholders	USR Appendix C-47
November 7, 2008	Comment Letter to FERC from City of Pateros regarding ISR Document	USR Appendix C-65
November 17, 2008	ISR Response Letter to Douglas PUD from the City of Brewster	USR Appendix C-69
November 24, 2008	Errata to ISR Document Filed with FERC by Douglas PUD	USR Appendix C-75
November 26, 2008	Email to Ecology from Douglas PUD regarding TDG Gas Volume Fraction	USR Appendix C-93
December 2, 2008	Traditional Cultural Property Study Filed with FERC by Douglas PUD	USR Appendix C-97
January 13, 2009	ISR Response Comments Letter Filed with FERC by Douglas PUD	USR Appendix C-101
January 14, 2009	Email regarding Agenda for Cultural RWG Meeting	USR Appendix C-117
January 21, 2009	Email regarding Agenda for Terrestrial RWG Meeting	USR Appendix C-121
January 27, 2009	Cultural RWG Meeting	USR Appendix C-125
February 2, 2009	Memorandum to Cultural RWG regarding Submittal of Final Cultural Resources Site Revisit and Inventory Study	USR Appendix C-131
February 3, 2009	Email regarding Draft Cultural RWG Meeting Notes	USR Appendix C-135
February 4, 2009	FERC Study Report Determination	USR Appendix C-139
February 10, 2009	Email regarding Final Cultural RWG Meeting Notes	USR Appendix C-143
February 12, 2009	Phone Conversation with RCO regarding Update on Recreation Management Plan and ILP	USR Appendix C-147
February 17, 2009	Email regarding Agenda and Meeting Materials for Cultural RWG Meeting	USR Appendix C-149
February 17, 2009	Email regarding Agenda and Meeting Materials for Terrestrial RWG Meeting	USR Appendix C-155
February 18, 2009	Terrestrial RWG Meeting	USR Appendix C-163
February 25, 2009	Email regarding Draft Terrestrial RWG Meeting Notes	USR Appendix C-171
March 2, 2009	Email from FERC regarding Comments on Wells Wildlife Management Plan	USR Appendix C-177
March 4, 2009	Cultural RWG Meeting	USR Appendix C-179
March 10, 2009	Email regarding Draft Cultural RWG Meeting Notes	USR Appendix C-185
March 16, 2009	Email regarding Final Terrestrial RWG Meeting Notes	USR Appendix C-189
March 16, 2009	Email regarding Agenda for Terrestrial RWG	USR Appendix C-193
March 18, 2009	Email regarding Final Cultural RWG Meeting Notes	USR Appendix C-199
March 23, 2009	Terrestrial RWG Meeting	USR Appendix C-205
March 24, 2009	Email regarding Draft Terrestrial RWG Meeting Notes	USR Appendix C-211

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<b>Table 5 – Consultation Record Supporting the Updated Study Report Document (USR)</b>		
March 24, 2009	Email regarding FERC comments on Wildlife and Botanical Management Plan (WBMP) and Avian Protection Plan (APP)	USR Appendix C-217
March 26, 2009	Email regarding Agenda for Cultural RWG Meeting	USR Appendix C-219
April 1, 2009	Email regarding Final Terrestrial RWG Meeting Notes	USR Appendix C-223
April 3, 2009	Email regarding Draft Cultural RWG Meeting Notes	USR Appendix C-227
April 3, 2009	WDFW comments on Transmission Line APP and WBMP	USR Appendix C-231

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## Email regarding Agenda for Initial Study Report Meeting

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**From:** Shane Bickford  
**Sent:** Tuesday, October 21, 2008 3:13 PM  
**To:** Art Viola; Bill Towey; Bob Barwin; Bob Clubb; Bob Dach; Bob Heinith; Bob Jateff; Bob Rose; Brad James; Bryan Nordlund; Carl Merkle; David Turner (david.turner@ferc.gov); Dennis Beich; Jeff Korth; Joe Peone; John Devine; Jonathan Merz; Josh Murauskas; Karen Kelleher; Keith Kirkendall; Mark Miller; Mary Mayo; Molly Hallock; Pat Irlle; Patrick Luke; Patrick Verhey; Robert Easton; Shane Bickford; Steve Lewis; Steve Parker; Tony Eldred (eldredte@dfw.wa.gov); Andy Lampe; Bill Fraser; Bob Clubb, Ph.D.; Bob Fateley; Brenda Crowell; Diane Priebe; Gail Howe; George Brady; Gordon Brett; Jean Hardie; Jim Eychaner; Jim Harris; Lee Webster; Mary Hunt; Mary Mayo; Michael Linde; Mike Palmer; Morris Shook; Pat Haley; Patricia Leppert; Scott Kreiter; Shane Bickford; Susan Rosebrough; Beau Patterson; Dan Trochta; Dave Volsen; Dinah Demers; Jim McGee; Marc Hallett; Matt Monda; Camille Pleasants; Chuck James; Frank Winchell; Glenn Hartmann (glenn@wshsinc.com); Guy Moura; Margaret Berger; Richard Bailey; Rob Whitlam; Timothy Bachelder; Allison O'Brien; Bao Le; Beau Patterson; Bill Frymire (BillF@ATG.WA.GOV); Bill Tweit; Bob Clubb; Brian R. Gish (briangish@dwt.com); Brian V. Faller (brianf@atg.wa.gov); Bruce Suzumoto (bruce.suzumoto@noaa.gov); chris.fontecchio@noaa.gov; Dale Bambrick; Derek Sandison; Gar Jeffers (garj@jdsalaw.com); Jennifer Frozena; Jennifer Frozena (jennifer.frozena@sol.doi.gov); Jim Vasile (jimvasile@dwt.com); John B. Arum (jarum@zcvbs.com); Neal Hedges; Paul Ward; Preston Sleeper; RD Nelle; Rosy Mazaika; Scott Kreiter; Stan Bastian (stanb@jdsalaw.com); Tim Weaver (weavertimatty@qwestoffice.net); Tom Scribner; William Schurger; Bill Dobbins; Ken Pflueger; Meaghan Vibbert; Wyatt Scheibner  
**Subject:** ISR Meeting Agenda  
**Attachments:** ISR Meeting Agenda 10-20-08.doc

Good Afternoon!

Please find attached the agenda for the ISR meeting taking place on Thursday, October 30th. The meeting is schedule to start at 9:00 am and will likely last until 4:00 pm. The results from all 12 of the relicensing studies for the Wells Project will be covered during the meeting.

Please let us know if you will be attending this meeting so that we can make arrangements for lunch.

Regards,

Shane Bickford  
Supervisor of Relicensing  
Public Utility District No. 1 of Douglas County  
1151 Valley Mall Parkway  
East Wenatchee, Washington 98802-4497  
509.881.2208



# Agenda

## Initial Study Report Meeting

Wells Hydroelectric Project Relicensing  
 Douglas County PUD  
 October 30, 2008  
 9:00 am – 4:00 pm

**Meeting Location:**           **Douglas PUD**  
**1151 Valley Mall Pkwy.**  
**East Wenatchee, WA 98802**

**Meeting Coordinator:**       **Shane Bickford (509) 881-2208**

**Meeting Objective:**         **Review and discuss stakeholder comments on the studies contained within the Initial Study Report.**

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00	Welcome and Introductions	Shane Bickford
9:10	Meeting Goals and Relicensing Status	Shane Bickford
9:15	Relicensing Study Video	Shane Bickford
9:40	Total Dissolved Gas Investigation	Duncan Hay
10:10	Water Temperature Study	Ray Walton
10:40	Break (10 minute) - - - - -	
10:50	Cultural Resources Investigation	Scott Kreiter
11:00	Public Access Study	Rolf Wielick
11:20	Recreational Needs Analysis	Kelly Bricker
<b>Noon</b>	<b>Lunch – Provided by Douglas PUD</b>	
1:00	Piscivorous Wildlife Control Study	Jim McGee
1:20	Transmission Line Wildlife and Botanical Study	Mike Hall
1:50	Juvenile Lamprey Study	Josh Murauskas

2:10	Adult Lamprey Passage Study	Josh Murauskas
2:30	Okanogan Toxins Study	Bao Le
2:50	DO, pH and Turbidity Study	Bao Le
3:10	Lamprey Spawning Assessment	Bao Le
3:30	Wrap Up (Questions and Answers Session)	Shane Bickford
3:40	Next Steps	Shane Bickford
4:00	Adjourn	

Email to RCO from Douglas PUD regarding ISR Meeting Availability

---

**From:** Shane Bickford  
**Sent:** Tuesday, October 28, 2008 1:16 PM  
**To:** 'Eychaner, Jim (RCO)'  
**Cc:** Scott Kreiter  
**Subject:** RE: ISR Meeting Agenda

Jim,

I am sorry that you will not be able to attend. If you have any questions please feel free to contact Scott or I. Written comments are due to FERC by December 15, 2008.

We look forward to working with you and the other members of the Recreation RWG toward the development of a Recreation Management Plan for the Wells Project.

Regards,

Shane Bickford  
Supervisor of Relicensing  
Public Utility District No. 1 of Douglas County  
1151 Valley Mall Parkway  
East Wenatchee, Washington 98802-4497  
509.881.2208

---

**From:** Eychaner, Jim (RCO) [mailto:Jim.Eychaner@rco.wa.gov]  
**Sent:** Tuesday, October 28, 2008 12:01 PM  
**To:** Shane Bickford  
**Subject:** RE: ISR Meeting Agenda

Shane, I will not attend after all, due to conflicting demands on my time. I have the October 15, 2008, Initial Study Report document on CD and will take a look. Is there a deadline for comments?

Jim Eychaner

---

**From:** Shane Bickford [mailto:ShaneB@dcpud.org]  
**Sent:** Monday, October 27, 2008 9:31 AM  
**To:** Eychaner, Jim (RCO)  
**Subject:** RE: ISR Meeting Agenda

Jim,

The conference line is easy to set up (5 minutes or less) and I would be happy to do so. I just didn't want you to block a day for the ISR meeting and be disappointed in the quality of the

audible sound during the call.

If you need to participate via telephone, then we are more than happy to accommodate your request. I just cannot guarantee the quality of the transmission.

It is your call. Let me know either way.

Cheers,

Shane Bickford  
Supervisor of Relicensing  
Public Utility District No. 1 of Douglas County  
1151 Valley Mall Parkway  
East Wenatchee, Washington 98802-4497  
509.881.2208

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**From:** Eychaner, Jim (RCO) [mailto:Jim.Eychaner@rco.wa.gov]  
**Sent:** Monday, October 27, 2008 8:31 AM  
**To:** Shane Bickford  
**Subject:** RE: ISR Meeting Agenda

Shane, don't do anything special for me, please.

---

**From:** Shane Bickford [mailto:ShaneB@dcpud.org]  
**Sent:** Monday, October 27, 2008 8:28 AM  
**To:** Eychaner, Jim (RCO)  
**Subject:** RE: ISR Meeting Agenda

Jim,

We did not make arrangements for a telephone option for the meeting. The power point presentations and study videos are the focus of the meeting and will be difficult to follow over the phone. Also, the meeting is being held in a large auditorium. The audible sound over the phone is not good in that space. It would be better if you could be at the meeting but if you cannot and still would like to explore a conference line option then let me know and I will look into telephone options for the meeting.

---

**From:** Eychaner, Jim (RCO) [mailto:Jim.Eychaner@rco.wa.gov]  
**Sent:** Monday, October 27, 2008 8:08 AM  
**To:** Shane Bickford  
**Subject:** RE: ISR Meeting Agenda

Shane, is there a telephone option for this meeting? Thank you.

Jim Eychaner

---

**From:** Shane Bickford [mailto:ShaneB@dcpud.org]

**Sent:** Tuesday, October 21, 2008 3:13 PM

**To:** Viola, Art (DFW); Bill Towey; Barwin, Robert F. (ECY); Bob Clubb; Bob Dach; Bob Heinith; Jateff, Robert (DFW); Bob Rose; James, Brad (DFW); Bryan Nordlund; Carl Merkle; david.turner@ferc.gov; Beich, Dennis (DFW); Korth, Jeff (DFW); Joe Peone; John Devine; Merz, Jonathan (ECY); Josh Murauskas; Karen Kelleher; Keith Kirkendall; Mark Miller; Mary Mayo; Hallock, Molly (DFW); Irle, Pat (ECY); Patrick Luke; Verhey, Patrick (DFW); Robert Easton; Shane Bickford; Steve Lewis; Steve Parker; Eldred, Tony (DFW); Andy Lampe; Fraser, Bill (PARKS); Bob Clubb, Ph.D.; Bob Fateley; Brenda Crowell; Diane Priebe; Gail Howe; George Brady; Gordon Brett; Jean Hardie; Eychaner, Jim (RCO); Harris, Jim (PARKS); Lee Webster; Mary Hunt; Mary Mayo; Michael Linde; Mike Palmer; Bridgeport State Park; Pat Haley; Patricia Leppert; Scott Kreiter; Shane Bickford; Susan Rosebrough; Beau Patterson; Dan Trochta; Volsen, David (DFW); Dinah Demers; Jim McGee; Hallet, Marc (DFW); Monda, Matt (DFW); Camille Pleasants; Chuck James; Frank Winchell; glenn@wshsinc.com; Guy Moura; Margaret Berger; Richard Bailey; Whitlam, Rob (DAHP); Timothy Bachelder; Allison O'Brien; Bao Le; Beau Patterson; Frymire, Bill (ATG); Tweit, Bill (DFW); Bob Clubb; briangish@dwt.com; Faller, Brian (ATG); bruce.suzumoto@noaa.gov; chris.fontecchio@noaa.gov; Dale Bambrick; Sandison, Derek (ECY); garj@jdsalaw.com; Jennifer Frozena; jennifer.frozena@sol.doi.gov; jimvasile@dwt.com; jarum@zcvbs.com; Neal Hedges; Paul Ward; Preston Sleeper; RD Nelle; Rosy Mazaika; Scott Kreiter; stanb@jdsalaw.com; weavertimatt@qwestoffice.net; Tom Scribner; William Schurger; Bill Dobbins; Ken Pflueger; Meaghan Vibbert; Wyatt Scheibner

**Subject:** ISR Meeting Agenda

Good Afternoon!

Please find attached the agenda for the ISR meeting taking place on Thursday, October 30th. The meeting is schedule to start at 9:00 am and will likely last until 4:00 pm. The results from all 12 of the relicensing studies for the Wells Project will be covered during the meeting.

Please let us know if you will be attending this meeting so that we can make arrangements for lunch.

Regards,

Shane Bickford  
Supervisor of Relicensing  
Public Utility District No. 1 of Douglas County  
1151 Valley Mall Parkway  
East Wenatchee, Washington 98802-4497  
509.881.2208

## Initial Study Report Meeting



## Initial Study Report Meeting

Date: October 30, 2008  
Time: 9:00 am – 4:00 pm  
Location: Douglas PUD

Agenda

Sign-In Sheet

Meeting Notes



# Agenda

## Initial Study Report Meeting

Wells Hydroelectric Project Relicensing  
 Douglas County PUD  
 October 30, 2008  
 9:00 am – 4:00 pm

**Meeting Location:**           **Douglas PUD**  
**1151 Valley Mall Pkwy.**  
**East Wenatchee, WA 98802**

**Meeting Coordinator:**       **Shane Bickford (509) 881-2208**

**Meeting Objective:**           **Review and discuss stakeholder comments on the studies contained within the Initial Study Report.**

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
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3:40	Next Steps	Shane Bickford
4:00	Adjourn	



# Wells Project Relicensing Initial Study Report Meeting

DATE: October 30, 2008

LOCATION: Douglas PUD

Name	Organization	Phone	Email
Garl A. Howe	City of Pateros	509-923-2571	pateros@swift-stream.com
Andrew Lampe	Okanogan County	509-422-7100	A.Lampe@CO.Okanogan.WA.US
Bob Easton	FERC	202-502-6045	robust.easton@ferc.gov
David Turner	FERC	202-502-6091	david.turner@ferc.gov
Tony Elsted	WDFW	<del>509</del> 609-0452	telsted@dfw.wa.gov
Bob Clubb	Douglas PUD	(509) 881-2285	rclubb@depud.org
Jim McGee	Douglas PUD	509-881-2248	Jmcgee@depud.org
Mike Hall	Parametrix	425-458-6244	mhall@parametrix.com
Karen Kelleher	BLM	509-665-2100	Karen-Kelleher@blm.gov
Brad Hawkins	Douglas PUD	509-881-2225	bhawkins@depud.org
Jean Hardie	City of B-port	509-686-4081	bportcity@nas.net
Mary Mayo	Douglas PUD	509-881-2488	mmayo@depud.org
Gordon Brett	Douglas PUD	509 881 2242	Gordon.B@depud.org
Steve Lewis	USFWS	509/665-3508	Stephen_Lewis@fws.gov
JOSH MURAWSKAS	DCPUD	509-881-2323	JOSH.M@DCPUD.ORG
Bob Jatzff	WDFW	509-997-0316	jatzfrj@dfw.wa.gov
DUNCAN HAY	OAKWOOD	604-936-5161	DUNCANHAY@SHAW.CA.
Lee Webster	City of Brewster	(509) 689-3464	brewstermayor@verizon.net.
Kelly Bricker	DTA	916 206 3189	Kelly.bricker@devinotarkbell.com



# Wells Project Relicensing Initial Study Report Meeting

DATE: October 30, 2008

LOCATION: Douglas PUD

Name	Organization	Phone	Email
JOHN DEVINE	DTA	207-775-4495	john.devine@devinetarbell.com
RAY WALTON	WEST Consultants	425.646.8806	RWalton@WESTConsultants.com
Scott Kreiter	Douglas PUD	509 881 2327	scottk@dcpsud.org
Maaghan Vibbert	DCPUD	509 881-2221	mvibbert@dcpsud.org
Patrick Verhey	WDFW	509 754-4624 ext 13	verhepmv@dfw.wa.gov
Pat Irle	Ecology	509 454-7864	pir1461@ecy.wa.gov
Gary Jeffers	DCPUD	509 663-3100	gary.jeffers@dcpsud.org
ROLF WIELICK	JACOBS	425-990.6827	rolf.wielick@jacobs.com
Jim Good	Parametrix	425-758-6229	good@parametrix.com
Shane Bickford	Douglas PUD	509.881.2208	sbickford@dcpsud.org
DAVID VOLSEN	WDFW	509-663-9764	volsedpv@dfw.wa.gov
Bao Le	Longview Assoc	503-309-9423	ble@longviewassociates.com
Beau Patterson	DCPUD	509 881 2338	beau@dcpsud.org

# Initial Study Report Meeting Summary

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
October 30, 2008

**Meeting Coordinator:** Shane Bickford (509) 881-2208  
**Meeting Location:** East Wenatchee, Washington  
**Attendees:** Relicensing Stakeholders and General Public –  
See Exhibit A: ISR Meeting Sign In Sheet

---

## I. Introduction (09:00)

Shane Bickford, Douglas PUD's Supervisor of Relicensing, provided those attending the meeting with an overview of the agenda for the ISR Meeting, including the goals of the meeting, the list of presenters and presentations. The agenda for the meeting is attached to these notes (See Exhibit B: Agenda, Initial Study Report Meeting – October 30, 2008).

Mr. Bickford provided the group with an update on the status of the 12 relicensing studies proposed by Douglas PUD in the Revised Study Plan Document. Mr. Bickford indicated that results from all 12 of the relicensing studies were included into the Initial Study Report Document (ISR Document) filed with FERC on October 15, 2008. This includes results from the 10 studies required by FERC, as part of their Study Plan Determination and results from the two studies being voluntarily conducted by Douglas PUD following agreement within the Resource Work Groups (DO, pH and Turbidity Study and Lamprey Spawning Assessment).

Nine of the 12 relicensing studies are final with final reports included in the ISR Document. Data is still being collected and analyzed for three of the 12 studies (Total Dissolved Gas Investigation, DO, pH and Turbidity Study, and Transmission Line Wildlife and Botanical Study). Final reports for these three studies will be filed with FERC in early 2009.

## II. Meeting Goals

1. To provide stakeholders with an overview of the Initial Study Report Document including the results from all 12 relicensing studies.
2. To answer stakeholder questions about study results.

### III. Relicensing Calendar

#### **Recent Milestones- Wells Integrated Licensing Process**

FERC's Study Plan Determination Issued (October 11, 2007)

Studies Conducted (October 2007 to October 2008)

Initial Study Report Filed (October 15, 2008)

Initial Study Report Meeting (October 30, 2008)

#### **Future Relicensing Dates**

ISR Meeting Summary Filing (no later than November 14, 2008)

Final Updated Studies Filing (March 2009)

Draft License Application Filing (December 31, 2009)

The group watched the Wells Relicensing Study Video (20 minutes) which included an introduction to the Wells Project, Wells Relicensing Process, Integrated Licensing Process (ILP) and provided an overview of the 12 relicensing studies conducted by Douglas PUD.

### IV. Presentations (09:40)

---

#### **(1) An Investigation into the Total Dissolved Gas Dynamics of the Wells Project**

##### **Notes:**

Duncan Hay (Oakwood Consulting) presented the results of the Total Dissolved Gas Investigation Study. Mr. Bickford noted that this study was required by FERC but that additional modeling is still being conducted. Final results will be available in early 2009.

##### **Questions & Comments:**

Question: Pat Irle (Ecology) asked which of the three total dissolved gas monitoring transects was used to calibrate the model.

Response: Dr. Hay indicated that all three transects from the 2006 study were used to calibrate and validate the model and that transect three was still considered the most representative total dissolved gas compliance point downstream of Wells Dam.

Question: Steve Lewis (USFWS) asked if Douglas has identified an operational "sweet spot" toward the minimization of TDG in the Wells Tailrace.

Response: Dr. Hay indicated that the preferred operation depends upon river flow and powerhouse loading. He also indicated that the model will be used to identify the best operation for Wells throughout various levels of spill, discharge and powerhouse loading.

Question: Rolf Wielick (Jacobs Engineering) asked about the effects of the turbines on TDG production.

Response: Mr. Bickford indicated that turbine operation has been included into all of the model runs including the effects of units being loaded or unloaded underneath spill. Model results are expected to be available by early 2009.

Question: Ms. Irle requested a CD containing the model run videos.

Response: Mr. Bickford indicated that Douglas PUD would send her a CD containing all of the TDG modeling videos shown at today's meeting.

Question: Mr. Lewis asked whether the operation of the HCP juvenile bypass system would have to be modified in order to accommodate spill operation to minimize total dissolved gas.

Response: Mr. Bickford indicated that the modelers were working within the existing operational constraints of the juvenile fish bypass system governed by the HCP. The last thing Douglas PUD wants to do is disrupt the HCP Coordinating Committee's preferred operation for the juvenile fish bypass system.

---

## **(2) Wells Hydroelectric Project Water Temperature Modeling**

### **Notes:**

Ray Walton (West Consulting) was the next presenter for the Water Temperature Study. Mr. Bickford noted that this study was required by FERC and that the report was final.

### **Questions & Comments:**

Question: Mr. Lewis asked about the residence time of the water through the reservoir.

Response: Dr. Walton indicated that resident time through the Wells Project was very short (days rather than weeks) and that thermal stratification does not take place within the Wells Reservoir.

---

## **(3) Cultural Resources Investigation**

### **Notes:**

Scott Kreiter (Douglas PUD) presented the objectives of the study, as well as a brief overview of results. Due to the sensitivity associated with archaeological resources, detailed results were not discussed.

### **Questions & Comments:**

Question: Bob Easton (FERC) asked what percentages of the cultural sites were along the transmission line.

Responses: Mr. Kreiter responded that the number was very low. Mr. Bickford added that a large proportion of the transmission line corridor was cultivated wheat land thereby reducing the likelihood of discovering undisturbed cultural material.

Question: Tony Eldred (WDFW) asked if shoreline protection would be needed at sites in areas of erosion.

Response: Mr. Kreiter responded that there was erosion at some sites, but the significance of the site, as well as the rate of erosion would need to be evaluated prior to implementing shoreline protection measures.

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#### **(4) Evaluation of Public Access to and Use of the Wells Reservoir as it Relates to Reservoir Fluctuations, Aquatic Plants, and Substrate Buildup**

##### **Notes:**

Mr. Wielick (Jacobs Engineering) presented the objectives and results of the study. The study evaluated the effects of reservoir fluctuations, aquatic plants, and sediment deposition on recreation access to and from the reservoir.

##### **Questions & Comments:**

Question: Mr. Eldred asked if Eurasian watermilfoil (EW) dominated any recreation sites.

Response: Mr. Kreiter (Douglas PUD) responded that there were very few sites that EW affected, and that most of the aquatic plant growth observed during this study was native. Mr. Bickford added that during the aquatic plant study conducted in 2005 that roughly 90% of the aquatic plants found in the Wells Reservoir were native. The results from the 2008 access study appear to closely match the results from the 2005 study.

Question: Karen Kelleher (BLM) asked whether occurrences of low water events were seasonal.

Response: Mr. Wielick responded that seasons do affect water fluctuations and that most fluctuations are related to power operations at Wells Dam or from upstream dams.

Question: Gail Howe (City of Pateros) asked about the timeframe for starting work on the Recreation Management Plan.

Response: Mr. Bickford responded that it will likely be late 2008 to early 2009. Mr. Kreiter added that discussions related to the Recreation Management Plan will begin after the studies are complete, and all comments related to studies have been resolved.

Question: Lee Webster (City of Brewster) mentioned that the Chicken Creek boat launch has a significant evaporation loss in July that can affect the ability to launch into Washburn Pond.

Response: Mr. Kreiter responded that although the Chicken Creek launch was not surveyed for aquatic plant growth, the access study did survey that location and the report does discuss options for improving access at that location.



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## **(5) Wells Hydroelectric Project Recreation Needs Assessment**

### **Notes:**

Kelly Bricker (Devine Tarbell and Associates) presented the methods and results of the study. The main objectives of the study were to assess recreation demand, regional uniqueness, and to assess the condition of existing recreation facilities including Americans with Disabilities Act access.

### **Questions & Comments:**

Question: Mr. Eldred asked what percentage of fishermen coming to the area fished at the Okanogan River confluence area.

Response: Dr. Bricker indicated that that level of detail can be found within the tables of the 2005 Recreation Visitor Use Assessment report. Mr. Eldred requested a copy of the 2005 report. Mr. Bickford indicated that Douglas PUD will provide Mr. Eldred with a copy of the 2005 report.

Question: Ms. Kelleher asked about the 12 percent projected growth in motorboating and whether that rate of growth took into account population growth over the next 50 years.

Response: Dr. Bricker said that the estimates were based on multiple factors including population growth projections. However, growth and use will need to be monitored over time, and that at this time the Wells Project continues to have ample facilities and available capacity to more than meet the current demand.

Question: Gail Howe (City of Pateros) commented about several errors in the Recreation Needs Analysis report. Specifically, she noted that two of the recreation facilities (two recreation access sites on the Methow River), were labeled as being in the City of Pateros. These sites are actually near Pateros, but not in the city limits.

Response: Dr. Bricker responded that these issues would be looked into. Dr. Bricker indicated that the labels on the photos were not intended to indicate who was responsible for the operation and maintenance of the sites depicted within Appendix C of the report. Mr. Bickford added that the labels on the photographs were only intended to indicate the general location of those sites within the larger context of the Wells Project. Mr. Kreiter indicated that in hind sight the confusion could have been avoided if the photos would have been labeled “adjacent to Pateros” rather than simply “City of Pateros”.

Question: Mr. Eldred asked whether Dr. Bricker felt that recreation overflow from downstream projects would eventually occur in the Wells Project.

Response: Dr. Bricker responded that most visitors are coming to this area from about a 100 mile radius. The increase of visitor usage depends on housing trends within that 100 mile radius. One of the issues in the SCORP is that people are getting frustrated with overcrowding and more people may want to come to an area of solitude and the Wells Project provides that at current

recreational use levels. Dr. Bricker stressed the need for future monitoring of recreation use within the Wells Project.

## **LUNCH – Provided by Douglas PUD**

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### **(6) An Evaluation of Effects of and Alternatives to the Existing Bird and Mammal Control Programs**

#### **Notes:**

Jim McGee (Douglas PUD) presented the methods and results of the study. The study focused on the potential effects of bird and mammal predation at Wells Project hatcheries, as well as the effectiveness of control measures.

#### **Questions & Comments:**

Question: David Turner (FERC) asked about why cost estimates were not calculated for potential measures.

Response: Mr. Bickford said that Douglas PUD did not develop cost estimates for two reasons. First, most of the substantive recommendations from the report could be implemented with little to no increase in cost. In fact, most of the recommended actions have already been implemented at the hatcheries. Second, when these results were presented to the Terrestrial RWG, members were impressed with the relatively low level of overall predation compared to the levels of predation theorized going into the study. Members of the Terrestrial RWG did not see an immediate need to make substantial and costly modifications to the existing hatchery hazing program. Mr. Turner indicated that it still may be useful to have those costs estimated so that they can be used during the development of the Environmental Analysis (EA).

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### **(7) Wells Hydroelectric Project 230 kV Transmission Line Biological Studies**

#### **Notes:**

Mike Hall (Parametrix) presented the methods and results of the study. The focus of the study was to identify rare, threatened, and endangered plant and animal species along the 41 mile 230kV transmission corridor, as well as to assess the potential for avian collisions.

#### **Questions & Comments:**

Mr. Bickford noted that field work for this study was still being conducted and that the final report will be available in early 2009. There were no other questions or comments related to this study.

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## **(8) Survival and Rates of Predation for Juvenile Pacific Lamprey Migrating through the Wells Hydroelectric Project**

### **Notes:**

Josh Murauskas (Douglas PUD) presented the results from the Juvenile Lamprey Study. The goal of the study was to collect up-to-date information on the survival and the rates of predation of juvenile Pacific lamprey migrating through Columbia River hydroelectric projects and to collect site-specific information on rates of predation on juvenile lamprey in the waters immediately upstream and downstream of Wells Dam. Mr. Murauskas indicated that this report was final.

### **Questions & Comments:**

There were no questions or comments.

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## **(9) Adult Pacific Lamprey Passage and Behavior Study**

### **Notes:**

Mr. Murauskas then presented the results from the 2007 Adult Lamprey Passage Study. The study objectives were to conduct a literature review, identify methods for capturing adult lamprey, document migratory timing and abundance, determine whether adult lamprey are bypassing count windows, and to estimate passage metrics. Mr. Murauskas indicated that the 2007 report is final. One additional year of study was already underway in an effort to increase sample size. The final report for the 2008 study will be available in early 2009.

### **Question and Comments:**

Question: Mr. Turner asked how lamprey are bypassing the counting windows at Wells.

Response: Mr. Murauskas indicated that there is an area at the count window that allows surplus water, which is not funneled by the video station, to bypass the counting station. The area is separated by a picketed lead, preventing larger fish, such as salmon, from bypassing the video station. Lamprey are small enough to pass between the pickets, negatively biasing the total video count for adult lamprey.

Question: Mr. Eldred asked if there are any indications that the lamprey population levels are cyclic.

Responses: Mr. Murauskas indicated that since lamprey have only been counted at Wells Dam back to 1998 and that the lamprey life cycle can be 7 or 8 years in length. There currently is not enough information on lamprey at Wells Dam to determine whether the populations in the Columbia River are cyclical. There simply is not enough information available to draw any conclusions about lamprey population cycles.

Additional comments were added by Mr. Murauskas, Mr. Bickford, and Mr. Le. In addition to the lack of data series to identify population trends, the literature suggests that lamprey do not display homing tendencies to natal streams. Research of a similar species (sea lamprey) suggests that lamprey are able to detect pheromones released by juveniles and that those pheromones are

used by adults to locate suitable spawning habitat. In tributary streams of the lower Columbia River, adult lamprey populations vary greatly from year to year and from tributary to tributary. Reasons include water levels, annual changes in habitat condition, overall abundance of adults, and abundance of juveniles discharging pheromones. These confounding factors add to the difficulty of identifying population and migratory trends.

Question: Mr. Easton asked how many adult lamprey passed the dam this year (2008).

Response: Mr. Murauskas indicated that so far this year 8 adult lamprey have passed over Wells Dam. However, it should be noted that 16 lamprey were captured and removed from the ladder below the count station for use in the telemetry study. Mr. Murauskas also indicated that it is important to point out that in 2008 improvements in trapping facility design have in effect blocked lamprey passage through the upper fishway. In order to trap sufficient lamprey for the study, an exclusion device has been placed on the fishway orifices that greatly hinders lamprey passage and thereby force the adult lamprey to pass into the traps. It is also important to keep in mind that most adult lamprey sneak by the counting window through the picketed leads.

Question: Mr. Easton asked if there was a theory why so many lamprey were counted in 2003.

Response: Mr. Murauskas stated that no one has proposed a reason for the strong return basin-wide in 2003. We have no information on the adult run that spawned the return from 2003 because lamprey counts did not start until 1998. Mr. Murauskas continued the discussion, pointing out the high variation in counts at Wells Dam since enumeration began, along with the potential for inaccurate counts due to the number of fish that bypassed the count station in 2007.

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## **(10) Assessment of DDT and PCBs in Fish Tissue and Sediment in the Lower Okanogan River**

### **Notes:**

Bao Le (Longview Associates) was the next presenter for the Okanogan Toxins Study. The goal was to determine the concentrations of DDT and PCBs in recreational fish species and at recreation sites of the lower Okanogan River.

### **Questions & Comments:**

Question: Mr. Eldred asked if toxin levels in the sediment seemed to decline going downstream except for Monse and was interested in determining if there were any point sources identified at Monse.

Responses: Mr. Bickford said that we looked at the shoreline uses and that at Monse there are orchards adjacent to the reservoir that could have historically contributed to the levels of DDT found at the site. Regarding the toxin gradient from upstream to downstream, most of the loading of DDT occurs in Lake Osoyoos through disturbance of sediments. According to the Okanogan River TMDL, the levels of DDT found in sediments consistently decrease as the distance from Lake Osoyoos increases. Beau Patterson (Douglas PUD) indicated that the sediment grab samples became progressively finer and more organic from upstream to downstream sites.

Question: Mr. Eldred asked if the study tested for arsenic. Arsenic has been used in orchards to poison rodents.

Responses: Mr. Le indicated that they were only testing for DDT and PCBs per the recommendations found in the TMDL for the Okanogan River. Ms. Irle indicated that Ecology has sampled for arsenic in the Okanogan River and that at this time she was not aware of any listings for arsenic. Ms. Irle also indicated that the TMDL for the Similkameen River identified arsenic in that watershed (the Similkameen is a tributary to the Okanogan River over 50 miles upstream from the Wells Project).

---

**(11) Continued Monitoring of DO, pH, and Turbidity in the Wells Forebay and Lower Okanogan River (Study not required by FERC)**

**Notes:**

Mr. Le provided results from the DO, pH and turbidity study. He indicated additional field work was expected to continue through the end of October 2008. As such, the interim report in the ISR Document would be updated to include the new information collected in the fall of 2008. The final report, including all of the results is expected to be available in early 2009. Mr. Le also indicated that the DO, pH and Turbidity study was not required by FERC but instead was voluntarily conducted by Douglas PUD based upon agreement among the participants involved in the resource work group process.

**Questions & Comments:**

Response: Ms. Irle wanted to know if Bao was going to continue to work on this report through the end of the year. Mr. Le deferred to Mr. Bickford who indicated that Mr. Le would assist with finalizing this report.

---

**(12) An Assessment of Adult Pacific Lamprey Spawning within the Wells Project (Study not required by FERC)**

**Notes:**

Mr. Le provided results for the Lamprey Spawning Assessment. Mr. Le indicated that the Lamprey Spawning Assessment is a final report and that the study was not required by FERC. Douglas PUD conducted this study voluntarily based upon agreement among the participants involved in the Aquatic RWG process.

**Questions & Comments:**

Question: Mr. Eldred asked if the photo shown in the slide of an adult pacific lamprey was a typical size for that species.

Response: Mr. Le indicated that it was a large specimen and that this size of fish is not typically found in the Upper Columbia River. By the time they reach the Upper Columbia and Wells Dam, they have lost a significant amount of weight and girth. The picture was of a lamprey from the Lewis River located on the lower Columbia River.

**V. Concluding Remarks (16:00)**

Mr. Bickford asked if there were any further questions or comments.

**Notes:**

No remarks were made. Mr. Bickford thanked everyone for attending the meeting and reminded everyone that Douglas PUD would be filing the Initial Study Report Meeting Notes by November 14, 2008. Stakeholder comments are due by December 15, 2008 per the Process Plan and Schedule for the Wells ILP.

**Question and Comments:**

Question: Mr. Eldred asked when the ISR timeline started.

Response: Mr. Bickford indicated that the time clock started when Douglas PUD filed the ISR Document with FERC on October 15, 2008.

The meeting was adjourned.

Email regarding Final Cultural RWG Field Visit Notes

---

**From:** Scott Kreiter  
**Sent:** Monday, November 03, 2008 4:05 PM  
**To:** Bob Clubb, Ph.D.; Camille Pleasants; Chuck James; David Turner (david.turner@ferc.gov); Frank Winchell; Glenn Hartmann (glenn@crcwa.com); Gordon Brett; Guy Moura; John Devine; Karen Kelleher; Margaret Berger (margaret@crcwa.com); Mary Mayo; Richard Bailey; Rob Whitlam; Robert Easton; Scott Kreiter; Shane Bickford; Timothy Bachelder  
**Subject:** Wells Relicensing: Cultural Resources Work Group site visit notes  
**Attachments:** Cultural\_RWG\_Field\_Visit\_100908.pdf

Wells Cultural RWG members:

Please find attached the notes from the October 9 site visit. Please contact me if you have any comments on the notes.

Thank you.  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327



## ---Field Visit Notes---

### Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
October 9, 2008

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To visit priority archaeological sites to begin development of protection/treatment measures.

In attendance were:

Guy Moura (Colville Confederated Tribes)

Brent Martinez (Colville Confederated Tribes)

Bob Clubb (Douglas PUD)

Scott Kreiter (Douglas PUD)

Glenn Hartmann (Cultural Resource Consultants)

#### Field Visit

The work group members left the Brewster boat ramp at 9AM and visited the following sites.

**Wells 2008-35:** Water levels were too high to see features. CRWG members agreed that testing would be appropriate. At present there is too little information to support NRHP eligibility.

**45OK520:** Site impacts were minimal. CRWG members were unsure of what was meant by root intrusion at the site. The CRWG agreed that continued triennial monitoring is appropriate here.

**45OK520:** Some evidence of eroding archaeological deposits at the site. Previous investigations provide insufficient information regarding NRHP eligibility. Additional testing recommended here prior to bank stabilization.

**Wells 2007-20:** Some archaeological materials lagged out on the beach. Testing of the site is recommended prior to determining a monitoring schedule.

**45OK527:** Some fire-cracked rock observed on the beach. Erosion not considered active at the site. Site should be monitored prior to committing to bank stabilization.

**45OK63:** Minimal evidence of active erosion and archaeological materials. Triennial monitoring seems appropriate at this site.

**45OK135:** The site is located above the river. Triennial monitoring is appropriate for this site, as Project-related impacts are minimal at most.

**45OK521 and 45OK132:** Very little to see in terms of archaeological deposits at either site. Triennial monitoring is appropriate at these sites.

**Wells 2008-30:** This site is located in a place where Project effects should be minimal. The site includes what may be placer mining features. It should be determined whether the site articulates with the historical record prior to conducting measures beyond triennial monitoring.

**45OK53:** The CRWG members agreed that some measures to stabilize the site would be appropriate, such as filter cloth and protection of the trees from beavers. Additional materials were observed on the surface and removed from the site. Annual monitoring is appropriate at this site.

Actions / Next Steps: Douglas PUD will visit the remaining priority sites and develop a treatment plan for the CRWG to review. Douglas PUD will visit the rest of the sites during the month of November.

Items of disagreement

None.

Next Meeting

The next meeting will be scheduled after a draft treatment plan is sent out for review.

## Email to WDFW from Douglas PUD regarding Salmon Fishing Data

**From:** [Scott Kreiter](#)  
**To:** ["Tony Eldred"](#);  
**cc:** [Shane Bickford](#); [Mary Mayo](#);  
**Subject:** Wells Reservoir - salmon fishing data  
**Date:** Wednesday, November 05, 2008 4:55:12 PM

Tony,  
 During the Wells Initial Study Report Meeting, you asked a question regarding the percentage of fishermen who come to Wells targeting salmon. Below is Table 5.2-2 from the page 29 of the Wells Recreation Use Assessment. These results are based on 2005 surveys. Note that these are based on fishermen who were interviewed, and this does not include spot-counts of total use. You can find the report at the following link. [http://relicensing.douglaspudd.org/documents/pud\\_relicensing\\_documents/downloads/SR/RecreationVisitorUseAssessment.pdf](http://relicensing.douglaspudd.org/documents/pud_relicensing_documents/downloads/SR/RecreationVisitorUseAssessment.pdf)

I also looked back at the raw data for total use by fishing/ski boats. For the "Okanogan/Bridgeport Resource Area", which would include Cassimer Bar, we observed the following:

- July 12, 2005 (weekday) – 3 boats
- July 16, 2005 (weekend) – 238 boats
- July 28, 2005 (weekday) – 3 boats
- Aug. 1, 2005 (weekday) – 5 boats
- Aug. 7, 2005 (weekend) – 5 boats
- Aug. 20, 2005 (weekend) – 48 boats
- Aug. 24, 2005 (weekday) – 14 boats
- Aug. 30, 2005 (weekday) – 1 boat
- Sept. 9, 2005 (weekday) – 5 boats
- Sept. 18, 2005 (weekend) – 6 boats
- Sept. 24, 2005 (weekend) – 9 boats
- Sept. 28, 2005 (weekday) – 3 boats

The total number of boats (fishing/skiing) for the Okanogan/Bridgeport Resource Area, for the months of June – November, was 389. Keep in mind that the surveyors did not approach fishermen by boat, because the fishermen didn't appreciate their fishing being interrupted. So in reality, the percentage of fishermen targeting salmon was probably much higher than calculated in Table 5.2-2, which was based mostly on surveys conducted on land. Especially when you consider that 238 boats were observed in that area on a single day.

**Table 5.2-2 Respondent fishing behavior and perceptions of access to Wells Project Survey Area.**

Characteristic	%	n
<b>River/Stream Access</b>		
Do not have difficulty	47.6	39
Have difficulty	29.3	24
Do not fish	23.2	19
<b>Total</b>	<b>100.0</b>	<b>82</b>
<b>Reservoir Access</b>		
Do not have difficulty	55.4	46
Have difficulty	28.9	24
Do not fish	15.7	13
<b>Total</b>	<b>100.0</b>	<b>83</b>
<b>Type of Angler</b>		
General Angler	35.0	28
Fish for Target Species	65.0	52
<b>Target Species (Top Five)</b>		
<b>Salmon</b>	<b>35.1</b>	<b>26</b>
Walleye	21.6	16

	Bass	17.6	13
	Trout	10.8	8
	Steelhead	10.8	8
<b>Time Start Fish</b>			
	Modal Time (6am)	27.2	22

---

Scott Kreiter  
Douglas County PUD  
509-881-2327

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## Final ISR Meeting Notes Filed with FERC and Sent to Stakeholders

# Initial Study Report Meeting Summary

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
October 30, 2008

**Meeting Coordinator:** Shane Bickford (509) 881-2208  
**Meeting Location:** East Wenatchee, Washington  
**Attendees:** Relicensing Stakeholders and General Public –  
See Exhibit A: ISR Meeting Sign In Sheet

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## I. Introduction (09:00)

Shane Bickford, Douglas PUD's Supervisor of Relicensing, provided those attending the meeting with an overview of the agenda for the ISR Meeting, including the goals of the meeting, the list of presenters and presentations. The agenda for the meeting is attached to these notes (See Exhibit B: Agenda, Initial Study Report Meeting – October 30, 2008).

Mr. Bickford provided the group with an update on the status of the 12 relicensing studies proposed by Douglas PUD in the Revised Study Plan Document. Mr. Bickford indicated that results from all 12 of the relicensing studies were included into the Initial Study Report Document (ISR Document) filed with FERC on October 15, 2008. This includes results from the 10 studies required by FERC, as part of their Study Plan Determination and results from the two studies being voluntarily conducted by Douglas PUD following agreement within the Resource Work Groups (DO, pH and Turbidity Study and Lamprey Spawning Assessment).

Nine of the 12 relicensing studies are final with final reports included in the ISR Document. Data is still being collected and analyzed for three of the 12 studies (Total Dissolved Gas Investigation, DO, pH and Turbidity Study, and Transmission Line Wildlife and Botanical Study). Final reports for these three studies will be filed with FERC in early 2009.

## II. Meeting Goals

1. To provide stakeholders with an overview of the Initial Study Report Document including the results from all 12 relicensing studies.
2. To answer stakeholder questions about study results.



### III. Relicensing Calendar

#### **Recent Milestones- Wells Integrated Licensing Process**

FERC's Study Plan Determination Issued (October 11, 2007)

Studies Conducted (October 2007 to October 2008)

Initial Study Report Filed (October 15, 2008)

Initial Study Report Meeting (October 30, 2008)

#### **Future Relicensing Dates**

ISR Meeting Summary Filing (no later than November 14, 2008)

Final Updated Studies Filing (March 2009)

Draft License Application Filing (December 31, 2009)

The group watched the Wells Relicensing Study Video (20 minutes) which included an introduction to the Wells Project, Wells Relicensing Process, Integrated Licensing Process (ILP) and provided an overview of the 12 relicensing studies conducted by Douglas PUD.

### IV. Presentations (09:40)

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#### **(1) An Investigation into the Total Dissolved Gas Dynamics of the Wells Project**

##### **Notes:**

Duncan Hay (Oakwood Consulting) presented the results of the Total Dissolved Gas Investigation Study. Mr. Bickford noted that this study was required by FERC but that additional modeling is still being conducted. Final results will be available in early 2009.

##### **Questions & Comments:**

Question: Pat Irle (Ecology) asked which of the three total dissolved gas monitoring transects was used to calibrate the model.

Response: Dr. Hay indicated that all three transects from the 2006 study were used to calibrate and validate the model and that transect three was still considered the most representative total dissolved gas compliance point downstream of Wells Dam.

Question: Steve Lewis (USFWS) asked if Douglas has identified an operational "sweet spot" toward the minimization of TDG in the Wells Tailrace.

Response: Dr. Hay indicated that the preferred operation depends upon river flow and powerhouse loading. He also indicated that the model will be used to identify the best operation for Wells throughout various levels of spill, discharge and powerhouse loading.

Question: Rolf Wielick (Jacobs Engineering) asked about the effects of the turbines on TDG production.

Response: Mr. Bickford indicated that turbine operation has been included into all of the model runs including the effects of units being loaded or unloaded underneath spill. Model results are expected to be available by early 2009.

Question: Ms. Irle requested a CD containing the model run videos.

Response: Mr. Bickford indicated that Douglas PUD would send her a CD containing all of the TDG modeling videos shown at today's meeting.

Question: Mr. Lewis asked whether the operation of the HCP juvenile bypass system would have to be modified in order to accommodate spill operation to minimize total dissolved gas.

Response: Mr. Bickford indicated that the modelers were working within the existing operational constraints of the juvenile fish bypass system governed by the HCP. The last thing Douglas PUD wants to do is disrupt the HCP Coordinating Committee's preferred operation for the juvenile fish bypass system.

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## **(2) Wells Hydroelectric Project Water Temperature Modeling**

### **Notes:**

Ray Walton (West Consulting) was the next presenter for the Water Temperature Study. Mr. Bickford noted that this study was required by FERC and that the report was final.

### **Questions & Comments:**

Question: Mr. Lewis asked about the residence time of the water through the reservoir.

Response: Dr. Walton indicated that resident time through the Wells Project was very short (days rather than weeks) and that thermal stratification does not take place within the Wells Reservoir.

---

## **(3) Cultural Resources Investigation**

### **Notes:**

Scott Kreiter (Douglas PUD) presented the objectives of the study, as well as a brief overview of results. Due to the sensitivity associated with archaeological resources, detailed results were not discussed.

### **Questions & Comments:**

Question: Bob Easton (FERC) asked what percentages of the cultural sites were along the transmission line.

Responses: Mr. Kreiter responded that the number was very low. Mr. Bickford added that a large proportion of the transmission line corridor was cultivated wheat land thereby reducing the likelihood of discovering undisturbed cultural material.

Question: Tony Eldred (WDFW) asked if shoreline protection would be needed at sites in areas of erosion.

Response: Mr. Kreiter responded that there was erosion at some sites, but the significance of the site, as well as the rate of erosion would need to be evaluated prior to implementing shoreline protection measures.

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#### **(4) Evaluation of Public Access to and Use of the Wells Reservoir as it Relates to Reservoir Fluctuations, Aquatic Plants, and Substrate Buildup**

##### **Notes:**

Mr. Wielick (Jacobs Engineering) presented the objectives and results of the study. The study evaluated the effects of reservoir fluctuations, aquatic plants, and sediment deposition on recreation access to and from the reservoir.

##### **Questions & Comments:**

Question: Mr. Eldred asked if Eurasian watermilfoil (EW) dominated any recreation sites.

Response: Mr. Kreiter (Douglas PUD) responded that there were very few sites that EW affected, and that most of the aquatic plant growth observed during this study was native. Mr. Bickford added that during the aquatic plant study conducted in 2005 that roughly 90% of the aquatic plants found in the Wells Reservoir were native. The results from the 2008 access study appear to closely match the results from the 2005 study.

Question: Karen Kelleher (BLM) asked whether occurrences of low water events were seasonal.

Response: Mr. Wielick responded that seasons do affect water fluctuations and that most fluctuations are related to power operations at Wells Dam or from upstream dams.

Question: Gail Howe (City of Pateros) asked about the timeframe for starting work on the Recreation Management Plan.

Response: Mr. Bickford responded that it will likely be late 2008 to early 2009. Mr. Kreiter added that discussions related to the Recreation Management Plan will begin after the studies are complete, and all comments related to studies have been resolved.

Question: Lee Webster (City of Brewster) mentioned that the Chicken Creek boat launch has a significant evaporation loss in July that can affect the ability to launch into Washburn Pond.

Response: Mr. Kreiter responded that although the Chicken Creek launch was not surveyed for aquatic plant growth, the access study did survey that location and the report does discuss options for improving access at that location.

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## (5) Wells Hydroelectric Project Recreation Needs Assessment

### Notes:

Kelly Bricker (Devine Tarbell and Associates) presented the methods and results of the study. The main objectives of the study were to assess recreation demand, regional uniqueness, and to assess the condition of existing recreation facilities including Americans with Disabilities Act access.

### Questions & Comments:

Question: Mr. Eldred asked what percentage of fishermen coming to the area fished at the Okanogan River confluence area.

Response: Dr. Bricker indicated that that level of detail can be found within the tables of the 2005 Recreation Visitor Use Assessment report. Mr. Eldred requested a copy of the 2005 report. Mr. Bickford indicated that Douglas PUD will provide Mr. Eldred with a copy of the 2005 report.

Question: Ms. Kelleher asked about the 12 percent projected growth in motorboating and whether that rate of growth took into account population growth over the next 50 years.

Response: Dr. Bricker said that the estimates were based on multiple factors including population growth projections. However, growth and use will need to be monitored over time, and that at this time the Wells Project continues to have ample facilities and available capacity to more than meet the current demand.

Question: Gail Howe (City of Pateros) commented about several errors in the Recreation Needs Analysis report. Specifically, she noted that two of the recreation facilities (two recreation access sites on the Methow River), were labeled as being in the City of Pateros. These sites are actually near Pateros, but not in the city limits.

Response: Dr. Bricker responded that these issues would be looked into. Dr. Bricker indicated that the labels on the photos were not intended to indicate who was responsible for the operation and maintenance of the sites depicted within Appendix C of the report. Mr. Bickford added that the labels on the photographs were only intended to indicate the general location of those sites within the larger context of the Wells Project. Mr. Kreiter indicated that in hind sight the confusion could have been avoided if the photos would have been labeled "adjacent to Pateros" rather than simply "City of Pateros".

Question: Mr. Eldred asked whether Dr. Bricker felt that recreation overflow from downstream projects would eventually occur in the Wells Project.

Response: Dr. Bricker responded that most visitors are coming to this area from about a 100 mile radius. The increase of visitor usage depends on housing trends within that 100 mile radius. One of the issues in the SCORP is that people are getting frustrated with overcrowding and more people may want to come to an area of solitude and the Wells Project provides that at current

recreational use levels. Dr. Bricker stressed the need for future monitoring of recreation use within the Wells Project.

### **LUNCH – Provided by Douglas PUD**

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#### **(6) An Evaluation of Effects of and Alternatives to the Existing Bird and Mammal Control Programs**

##### **Notes:**

Jim McGee (Douglas PUD) presented the methods and results of the study. The study focused on the potential effects of bird and mammal predation at Wells Project hatcheries, as well as the effectiveness of control measures.

##### **Questions & Comments:**

Question: David Turner (FERC) asked about why cost estimates were not calculated for potential measures.

Response: Mr. Bickford said that Douglas PUD did not develop cost estimates for two reasons. First, most of the substantive recommendations from the report could be implemented with little to no increase in cost. In fact, most of the recommended actions have already been implemented at the hatcheries. Second, when these results were presented to the Terrestrial RWG, members were impressed with the relatively low level of overall predation compared to the levels of predation theorized going into the study. Members of the Terrestrial RWG did not see an immediate need to make substantial and costly modifications to the existing hatchery hazing program. Mr. Turner indicated that it still may be useful to have those costs estimated so that they can be used during the development of the Environmental Analysis (EA).

---

#### **(7) Wells Hydroelectric Project 230 kV Transmission Line Biological Studies**

##### **Notes:**

Mike Hall (Parametrix) presented the methods and results of the study. The focus of the study was to identify rare, threatened, and endangered plant and animal species along the 41 mile 230kV transmission corridor, as well as to assess the potential for avian collisions.

##### **Questions & Comments:**

Mr. Bickford noted that field work for this study was still being conducted and that the final report will be available in early 2009. There were no other questions or comments related to this study.

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**(8) Survival and Rates of Predation for Juvenile Pacific Lamprey Migrating through the Wells Hydroelectric Project****Notes:**

Josh Murauskas (Douglas PUD) presented the results from the Juvenile Lamprey Study. The goal of the study was to collect up-to-date information on the survival and the rates of predation of juvenile Pacific lamprey migrating through Columbia River hydroelectric projects and to collect site-specific information on rates of predation on juvenile lamprey in the waters immediately upstream and downstream of Wells Dam. Mr. Murauskas indicated that this report was final.

**Questions & Comments:**

There were no questions or comments.

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**(9) Adult Pacific Lamprey Passage and Behavior Study****Notes:**

Mr. Murauskas then presented the results from the 2007 Adult Lamprey Passage Study. The study objectives were to conduct a literature review, identify methods for capturing adult lamprey, document migratory timing and abundance, determine whether adult lamprey are bypassing count windows, and to estimate passage metrics. Mr. Murauskas indicated that the 2007 report is final. One additional year of study was already underway in an effort to increase sample size. The final report for the 2008 study will be available in early 2009.

**Question and Comments:**

Question: Mr. Turner asked how lamprey are bypassing the counting windows at Wells.

Response: Mr. Murauskas indicated that there is an area at the count window that allows surplus water, which is not funneled by the video station, to bypass the counting station. The area is separated by a picketed lead, preventing larger fish, such as salmon, from bypassing the video station. Lamprey are small enough to pass between the pickets, negatively biasing the total video count for adult lamprey.

Question: Mr. Eldred asked if there are any indications that the lamprey population levels are cyclic.

Responses: Mr. Murauskas indicated that since lamprey have only been counted at Wells Dam back to 1998 and that the lamprey life cycle can be 7 or 8 years in length. There currently is not enough information on lamprey at Wells Dam to determine whether the populations in the Columbia River are cyclical. There simply is not enough information available to draw any conclusions about lamprey population cycles.

Additional comments were added by Mr. Murauskas, Mr. Bickford, and Mr. Le. In addition to the lack of data series to identify population trends, the literature suggests that lamprey do not display homing tendencies to natal streams. Research of a similar species (sea lamprey) suggests that lamprey are able to detect pheromones released by juveniles and that those pheromones are

used by adults to locate suitable spawning habitat. In tributary streams of the lower Columbia River, adult lamprey populations vary greatly from year to year and from tributary to tributary. Reasons include water levels, annual changes in habitat condition, overall abundance of adults, and abundance of juveniles discharging pheromones. These confounding factors add to the difficulty of identifying population and migratory trends.

Question: Mr. Easton asked how many adult lamprey passed the dam this year (2008).

Response: Mr. Murauskas indicated that so far this year 8 adult lamprey have passed over Wells Dam. However, it should be noted that 16 lamprey were captured and removed from the ladder below the count station for use in the telemetry study. Mr. Murauskas also indicated that it is important to point out that in 2008 improvements in trapping facility design have in effect blocked lamprey passage through the upper fishway. In order to trap sufficient lamprey for the study, an exclusion device has been placed on the fishway orifices that greatly hinders lamprey passage and thereby force the adult lamprey to pass into the traps. It is also important to keep in mind that most adult lamprey sneak by the counting window through the picketed leads.

Question: Mr. Easton asked if there was a theory why so many lamprey were counted in 2003.

Response: Mr. Murauskas stated that no one has proposed a reason for the strong return basin-wide in 2003. We have no information on the adult run that spawned the return from 2003 because lamprey counts did not start until 1998. Mr. Murauskas continued the discussion, pointing out the high variation in counts at Wells Dam since enumeration began, along with the potential for inaccurate counts due to the number of fish that bypassed the count station in 2007.

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## **(10) Assessment of DDT and PCBs in Fish Tissue and Sediment in the Lower Okanogan River**

### **Notes:**

Bao Le (Longview Associates) was the next presenter for the Okanogan Toxins Study. The goal was to determine the concentrations of DDT and PCBs in recreational fish species and at recreation sites of the lower Okanogan River.

### **Questions & Comments:**

Question: Mr. Eldred asked if toxin levels in the sediment seemed to decline going downstream except for Monse and was interested in determining if there were any point sources identified at Monse.

Responses: Mr. Bickford said that we looked at the shoreline uses and that at Monse there are orchards adjacent to the reservoir that could have historically contributed to the levels of DDT found at the site. Regarding the toxin gradient from upstream to downstream, most of the loading of DDT occurs in Lake Osoyoos through disturbance of sediments. According to the Okanogan River TMDL, the levels of DDT found in sediments consistently decrease as the distance from Lake Osoyoos increases. Beau Patterson (Douglas PUD) indicated that the sediment grab samples became progressively finer and more organic from upstream to downstream sites.

Question: Mr. Eldred asked if the study tested for arsenic. Arsenic has been used in orchards to poison rodents.

Responses: Mr. Le indicated that they were only testing for DDT and PCBs per the recommendations found in the TMDL for the Okanogan River. Ms. Irle indicated that Ecology has sampled for arsenic in the Okanogan River and that at this time she was not aware of any listings for arsenic. Ms. Irle also indicated that the TMDL for the Similkameen River identified arsenic in that watershed (the Similkameen is a tributary to the Okanogan River over 50 miles upstream from the Wells Project).

---

**(11) Continued Monitoring of DO, pH, and Turbidity in the Wells Forebay and Lower Okanogan River (Study not required by FERC)**

**Notes:**

Mr. Le provided results from the DO, pH and turbidity study. He indicated additional field work was expected to continue through the end of October 2008. As such, the interim report in the ISR Document would be updated to include the new information collected in the fall of 2008. The final report, including all of the results is expected to be available in early 2009. Mr. Le also indicated that the DO, pH and Turbidity study was not required by FERC but instead was voluntarily conducted by Douglas PUD based upon agreement among the participants involved in the resource work group process.

**Questions & Comments:**

Response: Ms. Irle wanted to know if Bao was going to continue to work on this report through the end of the year. Mr. Le deferred to Mr. Bickford who indicated that Mr. Le would assist with finalizing this report.

---

**(12) An Assessment of Adult Pacific Lamprey Spawning within the Wells Project (Study not required by FERC)**

**Notes:**

Mr. Le provided results for the Lamprey Spawning Assessment. Mr. Le indicated that the Lamprey Spawning Assessment is a final report and that the study was not required by FERC. Douglas PUD conducted this study voluntarily based upon agreement among the participants involved in the Aquatic RWG process.

**Questions & Comments:**

Question: Mr. Eldred asked if the photo shown in the slide of an adult pacific lamprey was a typical size for that species.

Response: Mr. Le indicated that it was a large specimen and that this size of fish is not typically found in the Upper Columbia River. By the time they reach the Upper Columbia and Wells Dam, they have lost a significant amount of weight and girth. The picture was of a lamprey from the Lewis River located on the lower Columbia River.



**V. Concluding Remarks (16:00)**

Mr. Bickford asked if there were any further questions or comments.

**Notes:**

No remarks were made. Mr. Bickford thanked everyone for attending the meeting and reminded everyone that Douglas PUD would be filing the Initial Study Report Meeting Notes by November 14, 2008. Stakeholder comments are due by December 15, 2008 per the Process Plan and Schedule for the Wells ILP.

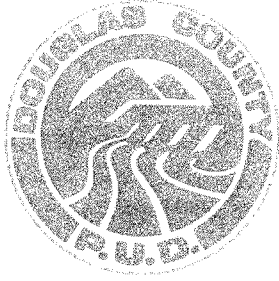
**Question and Comments:**

Question: Mr. Eldred asked when the ISR timeline started.

Response: Mr. Bickford indicated that the time clock started when Douglas PUD filed the ISR Document with FERC on October 15, 2008.

The meeting was adjourned.

## **Exhibit A: ISR Meeting Sign-In Sheet**

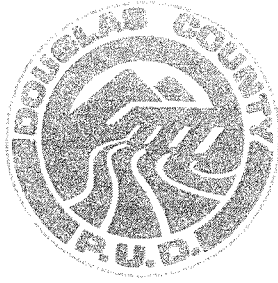


## Wells Project Relicensing Initial Study Report Meeting

DATE: October 30, 2008

LOCATION: Douglas PUD

Name	Organization	Phone	Email
Garl A. Howe	City of Patrons	809-923-2571	patrons@swift-stream.com
Andrew Lampe	Okanogan County	509-422-7100	A.lampe@CO.Okanogan.WA.GOV
Bob Easton	FERC	202-502-6045	robert.easton@ferc.gov
David Turner	FERC	202-502-6091	david.turner@ferc.gov
Tony E. Direct	WDFW	(509) 507-0452	edirect@wdfw.wa.gov
Bob Clabby	Douglas PUD	509-881-2225	bob@depud.org
Jim McGee	Douglas PUD	509-881-2248	Jmccgee@depud.org
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Kelly Bricker	DTA	916 206 3189	Kelly.bricker@desineta-kelli.com



## Wells Project Relicensing Initial Study Report Meeting

DATE: October 30, 2008

LOCATION: Douglas PUD

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## **Exhibit B: Initial Study Report - Meeting Agenda**

# Agenda

## Initial Study Report Meeting

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
October 30, 2008  
9:00 am – 4:00 pm

**Meeting Location:**           **Douglas PUD**  
   **1151 Valley Mall Pkwy.**  
   **East Wenatchee, WA 98802**

**Meeting Coordinator:**       **Shane Bickford (509) 881-2208**

**Meeting Objective:**           **Review and discuss stakeholder comments on the studies contained**  
   **within the Initial Study Report.**

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00	Welcome and Introductions	Shane Bickford
9:10	Meeting Goals and Relicensing Status	Shane Bickford
9:15	Relicensing Study Video	Shane Bickford
9:40	Total Dissolved Gas Investigation	Duncan Hay
10:10	Water Temperature Study	Ray Walton
10:40	Break (10 minute) -----	
10:50	Cultural Resources Investigation	Scott Kreiter
11:00	Public Access Study	Rolf Wielick
11:20	Recreational Needs Analysis	Kelly Bricker
<b>Noon</b>	<b>Lunch – Provided by Douglas PUD</b>	
1:00	Piscivorous Wildlife Control Study	Jim McGee
1:20	Transmission Line Wildlife and Botanical Study	Mike Hall
1:50	Juvenile Lamprey Study	Josh Murauskas

2:10	Adult Lamprey Passage Study	Josh Murauskas
2:30	Okanogan Toxins Study	Bao Le
2:50	DO, pH and Turbidity Study	Bao Le
3:10	Lamprey Spawning Assessment	Bao Le
3:30	Wrap Up (Questions and Answers Session)	Shane Bickford
3:40	Next Steps	Shane Bickford
4:00	Adjourn	

Document Content(s)

ISR MeetingNotes 11-7-08.PDF.....1-16



## Comment Letter to FERC from City of Pateros regarding ISR Document



*113 Lakeshore Drive  
PO Box 8  
Pateros, WA 98846*

*Phone: 509.923.2571  
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---

November 7, 2008

Kimberley D. Bose, Secretary  
Federal Energy Regulatory Commission  
888 First Street N.E.  
Washington DC, 20426

RE: FERC Project No. 2149-131 Comments on Wells Hydroelectric Project Initial Study Report Document

The city of Pateros has reviewed the Recreational Needs Analysis and the Public Access Study Plans. The city feels there are some deficiencies that need to be addressed.

The Recreational Needs Analysis states that users are “generally quite satisfied with recreation opportunities that occur within the Wells Project”. The study surveyed people who are currently using the project and failed to survey the users who are precluded from using the project due to lack of some facility. An example of this would be a person wanting to visit the Wells Dam Visitor Center (closed). This person would not be surveyed and there would be no answer in the questionnaire. As we have previously noted, the visitor center located at the dam downstream from Wells Dam receives over 100,000 visitors a year and because Wells Dam Visitors’ center is closed they receive none. Nothing in the study discussed reopening or moving the location of the visitor center.

The Recreation Visitor Use Assessment survey is inadequate in several areas. Hispanics were not surveyed in numbers that they appear in WDFW surveys done over the years. In addition, the Methow River was surveyed for fishermen during the time it was closed to fishing. Also, there seems to be an attempt to limit the purpose of the parks to just access to the reservoir. This concept is misleading. Recreation and enjoyment of the reservoir is broad based. Sitting on the lawn, while viewing and enjoying activities on the reservoir, has high recreational value. This all indicates the survey may have been inadequate in other areas as well.

Douglas County PUD’s Land Use Policy decision to discontinue allowing new docks outside the city limits will have a great impact and effectively stop a key recreational component of the area. Residents and visitors will not have the ability to store boats in the water at docks and slips. This critical issue should be addressed in this study plan. As the plan noted, “fishing was reported as the most common primary reason for coming to the

Wells Project”. It is thus likely to be a key recreational activity under the new license. The ability of recreationalists to store boats overnight at a slip or marina should be viewed as something that is significantly needed in this area. This will not only keep boaters here longer but will decrease demand on the few public boat launches that are currently overwhelmed with boats during key seasons.

Previously the city has asked Douglas PUD to consider providing additional heavy use recreational facilities inside the city; where recreation would have little impact on the shoreline and wildlife. These additional recreational facilities were not looked at in the study.

No effort was expended to look at camping, hiking, biking, and other types of recreation in these plans. At this time they don’t occur much here BECAUSE OF A LACK OF FACILITIES. These are major recreational items on the Columbia River downstream from the city of Pateros and the city feels they would enhance our area as well. We have pointed out since the 1967 Wells Recreation Plan; there were development plans “for a major regional waterfront park to serve the needs of tourists”. This was never implemented and nothing in this study report addresses this deficiency.

There was some discussion about having six-year updates to the plan to address our changing needs. Over the last licensing period (five-year updates) we found Douglas PUD to be generally unwilling to address any changes that they viewed as significant. We think if this six-year update is put in place it should address specifically how cities, counties, parks and others can provide input. Perhaps having a committee of city, county, state and Douglas PUD representatives who would have authority to make decisions, obligate projects and funding would be better; instead of one or two Douglas PUD employees making critical decisions. We feel this should be addressed in the plan.

Another issue is ADA accessibility on the docks in Pateros. The city has no ADA accessible docks at this time. We would like to see a redesign of the docks to provide ADA accessibility for boating, boat moorage and fishing.

The plan incorrectly addresses which entities operate and maintain the recreation facilities and improvements. The study does not make any effort to determine the total cost of maintaining parks and other recreational facilities to towns like Pateros on the Wells Reservoir. While in the current license the city of Pateros had agreed to fund watering, mowing and other maintenance activities, no agreement has been reached for this coming license cycle. Pateros has been using their water to irrigate the parks which is unlikely to continue in the new cycle because of the impact on the city’s water right capacity.

In regard to the Public Access Study, the city of Pateros is concerned that deposition of sediment may result in closing the Methow Boat Launch and the inability to engineer the Winter Boat Launch correctly may result in sever limitations. Therefore, these limitations further restricting boat access to the reservoir in the Pateros area. Failure to address boat storage needs may also affect recreational opportunities.

A major concern of the city of Pateros has been inability to use the swimming area in Peninsula Park, and the Public Access Study, while pointing out several of the problems (i.e. sedimentation, aquatic weed growth) failed to quantify how they would address these problems.

In addition, the city would like to have corrections made on the Recreational Needs Analysis per the following:

- 1) page 62 -- US Highway 97 incorrectly states it is a "National" Scenic Byway
- 2) page 66 -- the four interpretive panels incorrectly states they are courtesy of the "Okanogan Historical Society"
- 3) page 69 -- incorrectly states that the year is prior to "1012"
- 4) page 73,74, Appendix B-251 page 11 -- it incorrectly states the Methow Fishing Access Site No. 1 and No.2 are "City of Pateros"

In summary, we see a number of recreational and access issues that have not been addressed in the current study and feel these should be dealt with before Douglas PUD moves on down the path to licensing.

Sincerely,

**Gail A Howe**

Gail A Howe, Mayor  
City of Pateros

## ISR Response Letter to Douglas PUD from the City of Brewster

---

**Subject:** ISR meeting response  
**Attachments:** ISR response letter.doc

**From:** Lee Webster [mailto:brewstermayor@verizon.net]  
**Sent:** Monday, November 17, 2008 8:50 AM  
**To:** Scott Kreiter  
**Subject:** ISR meeting response

Scott,

Here is the letter addressed to you. I would appreciate it if you would forward it to FERC.

Thank you,

Lee

Scott,

After the ISR Meeting last week, I need to ask you to consider how some local developments will affect the latest report as well as the relicensing as a whole. I received an "ok" this morning to go ahead and talk about one of them. I have known about this development for a while but have not been able to talk about it in order to respect the developer's wishes. Here is a website to mill around a bit in, which is obviously public:

[http://118132.yourwebsite.cc/index.php?page\\_id=304](http://118132.yourwebsite.cc/index.php?page_id=304)

Please read carefully the section on Ranch Vision. Here's a cut and paste:

"Ranch Vision

The vision for Gamble Ranch Resort is to offer an intimate yet expansive **residential opportunity with an abundance of outdoor activities**. Community buildings and home sites will be clustered with plenty of open space in between. **An interconnected trail system will provide access to community areas in addition to recreational activities**. This high desert environment will complement the rustic western feel of the ranch while generously sized home sites will afford privacy and unparalleled views.



Golf. Now under construction, this magnificent 18-hole golf course, along with a driving range and practice center, will be the centerpiece of the resort. The course will be a championship design, and will be semi-private. Members will be given priority with respect to all prime time tee times. **Initial plans include a second, private course** with a completely different feel of topography and surroundings. With spectacular views of the Columbia River and territorial mountain views the exclusive second course will be built with the golf enthusiast and purist in mind.

Club Structure. Gamble Ranch will be a resort club community, where basic sports memberships are included with all real estate purchases. Buyers will be given the option to upgrade to a full golf and sports membership. Both sports memberships and golf/sports memberships will require monthly dues, based on the number of lots and homes.

Village. **At the core of the resort will be the main lodge with a restaurant, spa, fitness facility including indoor pool, resort rooms, antique museum, gaming rooms and kids club.** The golf clubhouse will be separate from the main lodge but within close proximity of village amenities."

I put in bold a couple of key items, the rest are quotes from the website.

This main Ranch will include between 700 and 900 residences! Another 30 has been approved by the City at Plaza Point. I am assuming many more will follow at the second golf course.

The main entrance to the Ranch is approximately 1/4 mile from the water and even closer to project boundaries. One portion of the development is Plaza Point, which actually sits alongside the reservoir. Construction is under way of the first course itself, with two holes complete now. The course and views are spectacular! I would be remiss to not include another development in the area:  
<http://www.tacomalandcompany.com/silver-spur.html>

The main entrance to Silver Spur is within a mile to the reservoir and this development includes property that is much closer to project boundaries. I understand that a fairly large portion of these parcels have been sold and the main entrance, a clubhouse, as well as a show home is complete.

While the rest of the country is on a housing slump, we have been fairly well insulated here, with property and home values increasing tremendously over the last two years. I can tell you that the assessed valuation of my own home has increased somewhere in the neighborhood of 70% the last two years.

The mind goes wild with the possibilities: tying these developments into trails, wildlife viewing opportunities and access to the reservoir. The types of folks that will be purchasing residences here will be the same type that is attracted to (and has the money for toys to enjoy) the recreational opportunities here in this area. **The impact to the existing facilities MUST be considered.** I have been disappointed thus far with the projected increase in recreationists coming into this area. I have lived here nearly my entire life and have seen an almost unbelievable increase in the number of people coming to hunt, fish, and otherwise enjoy the recreational opportunities we have here. I don't feel that the forecasts accurately describe what is going on here. Granted, I liked having the solitude we had previously. Nevertheless, we have been



"discovered" and these folks are coming. It would be nice to have the facilities to accommodate them.

Thank you for taking the time.

Sincerely,

Lee Webster, Mayor  
City of Brewster

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## Errata to ISR Document Filed with FERC by Douglas PUD

Commissioners:  
T. JAMES DAVIS  
LYNN M. HEMINGER  
RONALD E. SKAGEN

General Manager:  
WILLIAM C. DOBBINS



# Public Utility District No. 1 of Douglas County

1161 Valley Mall Parkway • East Wenatchee, Washington 98802-4497 • 509/884-7191 • FAX 509/884-0553 • www.douglaspudd.org

November 24, 2008

Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington DC 20426

**Subject: Wells Hydroelectric Project No. 2149-131  
Errata to Initial Study Report Document**

Dear Secretary Bose:

Public Utility District No. 1 of Douglas County, Washington, licensee for the Wells Hydroelectric Project, hereby submits for filing an Errata to the Initial Study Report (ISR) Document, which was filed with the Federal Energy Regulatory Commission on October 15, 2008.

The Errata to the ISR Document consists of a revised page 42 to the Report entitled "Development of a Water Temperature Model Relating Project Operations to Compliance with the Washington State and EPA Water Quality Standards (Water Temperature Study)", which was included in Volume 2, Appendix D to the ISR Document. Revised page 42 provides a new Figure 6.1-11, Comparison of Exceedance Frequencies at Okanogan RM 5, which supersedes Figure 6.1-11 as filed on October 15, 2008. There is no change in Figure 6.1-10, Comparison of Exceedance Frequencies at Wells Tailrace, which is also set forth on page 42 to the Report and the Errata.

Copies of the Errata to the ISR Document are concurrently being distributed to all entities listed on the attached Relicensing Distribution List in accordance with the Communication Protocol set forth in section 2.3 of the Pre-Application Document for the Wells Project.

If you have any questions or require further information, please feel free to contact me at (509) 881-2208 or sbickford@dcpud.org.

Sincerely,

Shane Bickford  
Supervisor or Relicensing

See Enclosure

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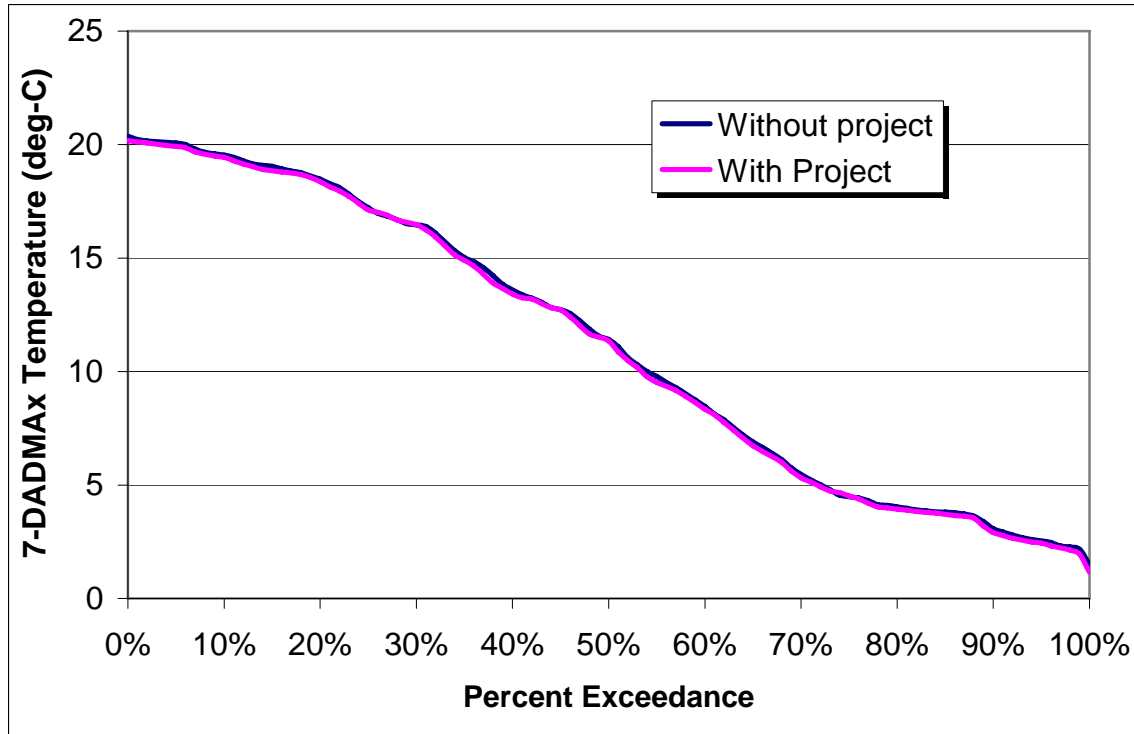
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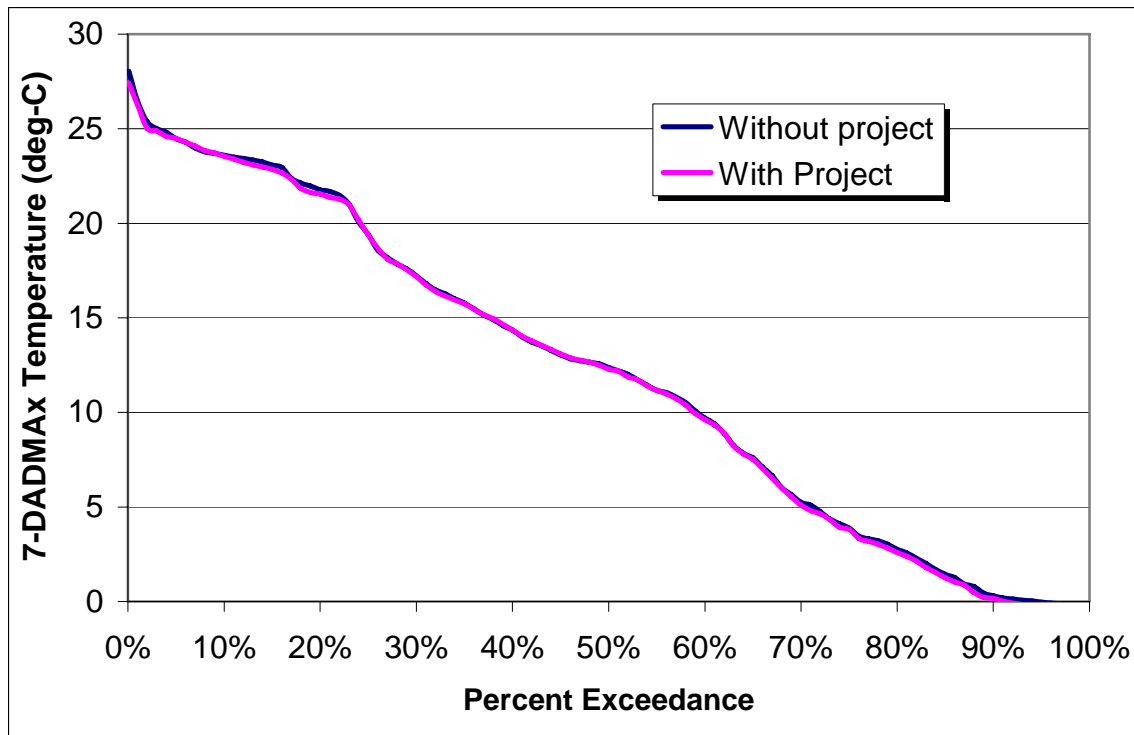
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**Figure 6.1-10 Comparison of Exceedance Frequencies at Wells Tailrace.**



**Figure 6.1-11 Comparison of Exceedance Frequencies at Okanogan RM 5.**

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## Email to Ecology from Douglas PUD regarding TDG Gas Volume Fraction

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**From:** Irle, Pat (ECY) [mailto:PIRL461@ECY.WA.GOV]  
**Sent:** Tuesday, November 25, 2008 4:41 PM  
**To:** Shane Bickford  
**Subject:** RE: Phase\_II\_test\_scenarios\_(11-4-08)(1).xls

Thanks!

---

**From:** Shane Bickford [mailto:ShaneB@dcpud.org]  
**Sent:** Tuesday, November 25, 2008 1:29 PM  
**To:** Irle, Pat (ECY)  
**Cc:** Josh Murauskas; Bob Clubb, Ph.D.; Mary Mayo  
**Subject:** FW: Phase\_II\_test\_scenarios\_(11-4-08)(1).xls

Pat,

Please find below Marcela Politano's (Head TDG modeler at Iowa) definition for "Gas Volume Fraction" as described in the Total Dissolved Gas Report. If you have any further questions regarding the TDG report, please feel free to give Josh or I a call.

Regards,

Shane Bickford  
Supervisor of Relicensing  
Public Utility District No. 1 of Douglas County  
1151 Valley Mall Parkway  
East Wenatchee, Washington 98802-4497  
509.881.2208

---

**From:** Marcela Politano [mailto:mpolitan@engineering.uiowa.edu]  
**Sent:** Tuesday, November 25, 2008 12:45 PM  
**To:** Shane Bickford  
**Cc:** Bao Le; 'Duncan Hay'; Josh Murauskas  
**Subject:** RE: Phase\_II\_test\_scenarios\_(11-4-08)(1).xls

Hi Shane,

The gas volume fraction (known as void fraction in nuclear engineering) is the volume fraction of air in an air-water mixture. In mathematical words:

Gas volume fraction:  $\text{volume of air} / (\text{volume of air} + \text{volume of liquid})$ .

The gas volume fraction has different interpretation in the VOF and mixture models:

The VOF model is used to calculate the free surface location (air is above the water). Gas volume fraction 0 represents the air and 1 the water.

In the mixture model (used to calculate the TDG) the air is in bubbles within the water. The gas volume fraction represents the volume fraction of bubbles in a control volume of mixture.

Hope that helps,

Marcela

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## Traditional Cultural Property Study Filed with FERC by Douglas PUD



# Public Utility District No. 1 of Douglas County

1161 Valley Mall Parkway • East Wenatchee, Washington 98802-4497 • 509/884-7191 • FAX 509/884-0553 • www.douglaspud.org

## **CONTAINS CONFIDENTIAL AND PRIVILEGED INFORMATION DO NOT DISTRIBUTE**

December 2, 2008

Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington DC 20426

**Subject: Traditional Cultural Property Study  
of the Wells Hydroelectric Project No. 2149-131**

Dear Secretary Bose:

Public Utility District No. 1 of Douglas County, Washington (Douglas PUD), licensee for the Wells Hydroelectric Project (Wells Project), hereby submits for filing one paper original of the "Traditional Cultural Property Study for the Wells Hydroelectric Project" (TCP Study). The TCP Study was prepared by the Confederated Tribes of the Colville Reservation (CCT) under a contract with Douglas PUD. The TCP Study was completed as part of the cultural resources investigations supporting consultation under Section 106 of the National Historic Preservation Act in connection with the relicensing of the Wells Project. The results of the TCP Study will be considered during the drafting of the Historic Properties Management Plan for the Wells Project.

The TCP Study reflects the views of the CCT and the tribal members who served as informants during the course of the study, but not the views of Douglas PUD. Douglas PUD reserves the right to supplement the record as may be necessary to address any claim or recommendation set forth in the TCP Study.

The TCP Study contains confidential cultural information, including specific site or property locations, the disclosure of which would create a risk of harm or destruction of archeological or Native American cultural resources. Therefore, the TCP Study should be protected as confidential and privileged information in accordance with sections 5.2 and 388.112 of the Commission's regulations (18 C.F.R. §§ 5.2(c), 388.112 (2008)). In accordance with instructions issued by the Secretary, Douglas PUD has enclosed one paper original of the TCP

Study, each page of which has been marked “Contains Confidential and Privileged Information – Do Not Distribute.” Douglas PUD requests that this document be maintained in a non-public file and withheld from public disclosure in accordance with applicable regulations.

Copies of this letter are concurrently being distributed to all entities listed on the attached Relicensing Distribution List in accordance with the Communication Protocol set forth in section 2.3 of the Pre-Application Document for the Wells Project.

If you have any questions or require further information, please feel free to contact me at (509) 881-2208 or sbickford@dcpud.org.

Sincerely,

A handwritten signature in blue ink, appearing to read "Shane Bickford". The signature is fluid and cursive, with a large loop at the end.

Shane Bickford  
Supervisor of Relicensing

Cc: Relicensing Distribution List

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## ISR Response Comments Letter Filed with FERC by Douglas PUD

Commissioners:  
T. JAMES DAVIS  
LYNN M. HEMINGER  
RONALD E. SKAGEN

General Manager:  
WILLIAM C. DOBBINS



# Public Utility District No. 1 of Douglas County

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January 13, 2009

Honorable Kimberly D. Bose  
Secretary  
Federal Energy Regulatory Commission  
888 First Street, NE  
Washington, DC 20426

**Subject: Wells Hydroelectric Project No. 2149-131  
Douglas PUD's Response to Stakeholder Comments on the Initial Study  
Report Document and Proposed Revisions to the Process Plan and Schedule  
for the Wells Project ILP**

Dear Secretary Bose:

In accordance with 18 C.F.R. § 5.15(c)(5)(2008), the Public Utility District No. 1 of Douglas County, Washington (Douglas PUD), licensee for the Wells Hydroelectric Project (Wells Project), hereby submits its response to stakeholder comments regarding the Initial Study Report (ISR) Document for the relicensing of the Wells Project. This letter also includes a proposal from Douglas PUD to revise the Process Plan and Schedule for the Wells Project ILP.

The following is a list of applicable filings leading up to Douglas PUD's response to stakeholder comments on the ISR Document. On October 15, 2008, Douglas PUD filed with the Federal Energy Regulatory Commission (FERC) both a public and non-public version of the ISR Document for the Wells Project. The ISR Document included results from all ten of the studies required by the FERC in the October 11, 2007 Study Plan Determination. The ISR Document also included results from two studies conducted by Douglas PUD that were not required by the FERC, but were prudent to perform in order to prepare for the 401 Water Quality Certification process. On November 24, 2008, Douglas PUD filed a letter correcting a water temperature figure within the original ISR Document. On December 2, 2008, Douglas PUD filed the final Traditional Cultural Property Study for the Wells Project, which was prepared by the Confederated Tribes of the Colville Reservation under a contract with Douglas PUD.

The deadline for stakeholder comment on the ISR Document was December 15, 2008 pursuant to the approved Process Plan and Schedule for the Wells Project. Only two sets of stakeholder comments related to the recently filed ISR Document have been received by the FERC. Comments were filed with the FERC by the City of Pateros on November 7, 2008 and by the City of Brewster on December 5, 2008.

### **Response to Brewster's Comments on the ISR Document for the Wells Project**

On December 5, 2008 the City of Brewster filed comments with the FERC regarding the Recreational Needs Analysis. The comments filed by Brewster were informative and provide additional information that will be considered during the development of the Recreation Management Plan for the relicensing of the Wells Project.

Below is a summary of Brewster's comments (*italics*) followed by Douglas PUD's response.

**Brewster's General Comment:** *There are several large developments in the planning and early implementation phases that are located adjacent to Brewster and in close proximity to the Wells Reservoir. The impact to the existing recreation facilities MUST be considered.*

*The Recreation Needs Analysis underestimates the growth of recreation expected to take place on the Wells Reservoir.*

**Douglas PUD Response:** Douglas PUD appreciates the City bringing the proposed Gamble Run development to its attention. Douglas PUD agrees that if this and other planned developments are built out to their design capacity, there could be a significant effect on recreation use and recreation facility capacity within the Wells Project. In an effort to capture future changes in recreational use, demand, and the capacity of existing facilities, Douglas PUD is proposing to include provisions for periodic recreation monitoring within the Recreation Management Plan for the new license. Recreation use monitoring data will be used to inform future Recreation Management Plan updates and indicate where changes to existing facilities are needed to meet new demand and capacity requirements. The Recreation Management Plan, including Douglas PUD's proposed recreation monitoring program, will be filed with the FERC as part of the Draft License Application.

### **Response to Pateros's Comments on the ISR Document for the Wells Project**

On November 7, 2008, the City of Pateros filed comments with the FERC regarding the Recreational Needs Analysis and the Public Access Study. Below are Douglas PUD's responses to the City's comments (*italics*).

**Pateros Comment 1:** *The Recreation Needs Analysis surveyed people who are currently using the Project and failed to survey people who are precluded from using the Project due to lack of some facility.*

**Douglas PUD Response:** The study plan for the Recreational Needs Analysis was developed by the Recreation Resources Work Group (RRWG), of which the City was a member. At no time during the development of this study plan did any member of the RRWG suggest that Douglas PUD should conduct a survey of people who do not visit the Wells Project. People choose to not visit for a multitude of reasons including proximity, lack of interest in outdoor activities, or a preference for outdoor activities that are not consistent with the attributes of the Project (mountaineering, snow skiing, rock climbing, surfing, ballooning, etc.).

The recreational resources of the Wells Project provide for a diverse, primarily water-based outdoor experience consistent with applicable FERC policy contained within 18 C.F.R. § 2.7 (2008). However, FERC policy does not require a licensee to provide all forms of recreation or to construct all forms of recreational facilities for all potential users. It is not Douglas PUD's responsibility to identify and survey people who do not use the Project because it lacks their favorite form of recreation.

**Pateros Comment 2:** *The Visitor Center located at the dam downstream from Wells Dam receives over 100,000 visitors a year and because Wells Dam Visitor Center is closed, they receive none.*

**Douglas PUD Response:** Prior to heightened security concerns related to the terrorist attacks on September 11, 2001, the Wells Dam Visitor Center was open to the public without escort or security screening. For the years 1997 – 2001, the Wells Dam Visitor Center received an average of 1,016 visitors per year. The City makes reference to the number of visitors to the Rocky Reach Visitor Center. The major difference in visitor numbers between the Rocky Reach Visitor Center and the Wells Dam Visitor Center is due to the close proximity of Rocky Reach Dam to the Wenatchee-East Wenatchee urban area and the fact that Rocky Reach is on the same highway route as Lake Chelan, a major recreation and convention destination for tourists originating in the Seattle-Tacoma-Everett urban area.

Following the September 11, 2001 attacks, the Wells Dam Visitor Center has been open to the public by appointment in order to ensure that visitors can be escorted while touring the internal workings of the Wells Hydrocombine. For the years 2002 – 2007, the Visitor Center received an average of 116 visitors per year.

**Pateros Comment 3:** *The Recreation Visitor Use Assessment (DTA 2005) is inadequate in several ways ... Hispanics were not surveyed in numbers that they appear in Washington Department of Fish and Wildlife surveys done over the years.*

**Douglas PUD Response:** The 2005 Recreation Visitor Use Assessment accurately represented the recreational use within the Wells Project. Specifically, the 2005 study included surveys of all recreation users, including Hispanic users, at rates comparable to their level of participation in activities within the Wells Project.

In an effort to ensure adequate investigation of Hispanic recreation needs, Douglas PUD expanded the scope of the Recreational Needs Analysis study plan to include interviews with Hispanic community leaders and conducting a literature review of Hispanic recreation use patterns and preferences. These efforts were added to the study plan in order to ensure that the needs of the Hispanic community were represented in the recreation planning process.

During the implementation of the 2008 Recreational Needs Analysis, Douglas PUD hosted an RRWG study update meeting on February 29, 2008. During this meeting, representatives from the cities of Brewster and Bridgeport expressed concern that the previously agreed to task of interviewing Hispanic community leaders was singling out the Hispanic community within their



larger communities. RRWG members expressed a desire to not focus the Recreational Needs Analysis on any one demographic but on the community at large. As a result, the RRWG agreed that the Recreational Needs Analysis should be modified to include a survey of the Parent Advisory Committees in Brewster and Pateros and, at Bridgeport's request, to conduct surveys at the Bridgeport Community Fair on April 26, 2008 (Appendix A, February 29, 2008 RRWG meeting minutes).

The results of the 2005 Recreation Use Assessment survey questionnaires, the 2008 Hispanic recreational use literature review and the 2008 community surveys were included in the 2008 Recreational Needs Analysis Report filed with the FERC as part of the ISR Document.

**Pateros Comment 4:** *The Recreation Visitor Use Assessment (DTA 2005) is inadequate because ... the Methow River was surveyed for fishermen during the time it was closed to fishing.*

**Douglas PUD Response:** The 2005 study focused on surveying all forms of recreation within the Project including fishing that was legally open during the study including the opening of steelhead in late 2005. The lifting of the prohibition on steelhead fishing took place in late 2005 and was implemented following an emergency rule change resulting from an unexpected overabundance of hatchery steelhead returning from the Pacific Ocean that fall. The 2005 recreation report also includes information collected from the Washington Department of Fish and Wildlife (WDFW) fishermen survey, Washington fishing license sales, local fishing guide activity reports, and recreation equipment sales for that time period.

Since 2005, the steelhead season on the Methow River has opened sporadically and only in years when adequate numbers of fish warrant the removal of excess hatchery fish. During these periods, neither Douglas PUD nor WDFW staff have observed capacity issues related to the recreation facilities on the lower Methow River.

**Pateros Comment 5:** *The recreation Visitor Use Assessment (DTA 2005) is inadequate because ... there seems to be an attempt to limit the purpose of the parks to just access to the reservoir.*

**Douglas PUD Response:** Douglas PUD disagrees with the City's assertion about the 2005 surveys. The 2005 Recreation Visitor Use Assessment (DTA 2005) surveyed recreation use on land and on the water. Respondents to the survey not only included recreation users who were accessing the reservoir for fishing or boating, but also those participating in land-based activities within the parks, wildlife areas and Project shoreline including activities such as picnicking, horseback riding, relaxing, camping, hiking/walking, bicycling, and wildlife viewing (See Table 5.1-12 on pages 24-25 in DTA 2005).

**Pateros Comment 6:** *Douglas County PUD's Land Use Policy decision to discontinue allowing new docks outside the city limits will have a great impact and effectively stop a key recreational component of the area.*

**Douglas PUD Response:** A major goal of Douglas PUD's Land Use Policy is to protect Endangered Species Act (ESA) listed fish and important shoreline wildlife habitat. Douglas PUD does not agree that restricting the construction of new private-use docks on public shoreline would have a negative effect on recreation visitor use at the Wells Project. In fact, public access to public land is the key to enhancing public recreation within the Wells Project. Restricting public access through the placement of private facilities (docks and launches) on public shoreline has the opposite effect by effectively eliminating public access to public land. The fact that most new boat docks on the Wells Reservoir are being constructed with no trespassing signs is a testament to the limitation imposed on public access to public land through the placement of these structures.

Douglas PUD is committed to monitoring recreation use and facility capacity during the term of the next license for the Wells Project. The Recreation Management Plan, to be filed as part of the Draft License Application, will contain detailed proposals for monitoring and updating public boat launches and public boat docks when and if they approach their rated capacity. Adding new or expanding existing public boating facilities would have a much smaller environmental impact than allowing each landowner to install its own private facilities on public land.

**Pateros Comment 7:** *The ability of recreationalists to store boats overnight at a slip or marina should be viewed as something that is significantly needed in this area.*

The Recreational Needs Analysis examined recreational needs throughout the Wells Project and did not find a significant unmet demand for overnight boat slips and/or marina. In fact, during interviews in 2005 and again during community interviews in 2008, nobody other than City of Pateros civic leaders indicated a need for a marina or overnight slip facility. If a significant demand for such a public facility were to exist, then it would be a lucrative business opportunity for a local organization or individual to pursue. Should the City believe that building a public boat storage facility would be a good business venture, then Douglas PUD would work with the City of Pateros to identify and grant an easement across Douglas PUD lands, within the city limits of Pateros, to facilitate the City's construction of a city owned, managed and operated boat marina or overnight slip facility.

**Pateros Comment 8:** *The city has asked Douglas PUD to consider providing additional heavy use recreational facilities inside the city. These additional recreational facilities were not looked at in the study.*

**Douglas PUD Response:** The purpose of the 2008 Recreational Needs Analysis was not to identify ways to attract recreation users to the City of Pateros in order to enhance the local economy. Rather, the study was designed to specifically address the effects of the Wells Project on recreation. As such, the goal of the study was to "research, describe, and quantify recreation use information and identify current and future recreation needs at the Wells Project to be

addressed over the term of the next license.” There is nothing precluding the City of Pateros or other developers from building heavy use recreation facilities unrelated to the Project in an attempt to attract more tourist dollars to the area.

**Pateros Comment 9:** *No effort was expended to look at camping, hiking, biking, and other types of recreation. At this time they don't occur much here because of lack of facilities. These are major recreational items on the Columbia River downstream from the city of Pateros and the city feels they would enhance our area as well.*

**Douglas PUD Response:** See response to Comment 5 above.

**Pateros Comment 10:** *Nothing in the report addresses that no major regional waterfront park has been developed on the Wells Project.*

**Douglas PUD Response:** See response to Comment 8 above. Additionally, there is no requirement that a “major regional waterfront park” be developed as part of a new license for a hydroelectric project. Douglas PUD has helped fund and develop four waterfront parks and one waterfront trail located on the Wells Reservoir, including Memorial and Peninsula parks in Pateros, Columbia Cove Park and waterfront trail in Brewster and Marina Park in Bridgeport.

Furthermore, the Recreational Needs Analysis results do not indicate a need for an additional “major regional waterfront park” when considering the amount of use currently taking place within the Wells Project. It is also important to point out that there are already three destination, overnight parks within close proximity to the Wells Project. Destination state parks located within 25 miles of the Wells Project include (1) Alta Lake State Park (1 mile from the Project), (2) Bridgeport State Park (about 2 miles from the Project), and (3) Beebe Bridge State Park (about 11 miles from the Project). Douglas PUD does not believe that a “build it and they will come” philosophy is appropriate for the Wells Project.

**Pateros Comment 11:** *There was some discussion about having six-year updates to the plan to address our changing needs...Perhaps having a committee of city, county, state and Douglas PUD representatives, who would have authority to make decisions, obligate projects and funding would be better...*

**Douglas PUD Response:** Future decisions regarding Wells Project recreation facilities will continue to be based on recreation monitoring data and input from stakeholders. Douglas PUD will continue to balance recreational needs with the need for natural resource protection and power generation. The FERC will continue to provide final approval of recreation plan updates.

**Pateros Comment 12:** *We would like to see a redesign of the docks to provide ADA accessibility for boating, boat moorage, and fishing.*

**Douglas PUD Response:** Douglas PUD will include provisions for addressing ADA accessibility in the Recreation Management Plan to be filed with the Draft License Application.

**Pateros Comment 13:** *The plan incorrectly addresses which entities operate and maintain the recreation facilities... While in the current license the city of Pateros had agreed to fund watering, mowing and other maintenance activities, no agreement has been reached for this coming license cycle.*

**Douglas PUD Response:** Facilities labeled as “City of Pateros” in the study report were not intended to assign management responsibility. The label was intended to provide the reader with the geographic location of each facility. Proposed operations and maintenance activities for all of the recreation facilities located within the Wells Project will be defined in the Recreation Management Plan.

**Pateros Comment 14:** *In regard to the Public Access Study, the city of Pateros is concerned that deposition of sediment may result in closing the Methow Boat Launch, and the inability to engineer the Winter Boat Launch correctly may result in severe limitations.*

**Douglas PUD Response:** The 2008 Public Access Study evaluated these specific issues at both the Methow Boat Launch and the Winter Boat Launch. Potential solutions were also identified within the report in Section 6.1.2.3 (page 27) and Section 6.1.2.9 (page 30). These issues are currently being addressed through the 2007 Recreation Action Plan Update as part of the current Wells Project license. If these issues remain unresolved, the Recreation Management Plan will include recommended measures for both of these facilities.

**Pateros Comment 15:** *A major concern of the city of Pateros has been the inability to use the swimming area in Peninsula Park, and the Public Access Study, while pointing out several of the problems (i.e., sediment, aquatic weed growth), failed to quantify how they would address these problems.*

**Douglas PUD Response:** The 2008 Public Access Study identified potential options for addressing issues at the Peninsula Park swimming area in Section 6.1.2.10 (page 31). In addition, potential options for controlling aquatic plant growth are included in Section 6.3.2 (pages 41-43). As stated above, specific measures to address these issues will be proposed in the Recreation Management Plan.

### **Proposal to Revise the Process Plan and Schedule for the Wells ILP**

In addition to responding to stakeholder comments on the ISR Document, Douglas PUD is proposing to revise the Process Plan and Schedule for the Wells ILP. No requests for a second season of study were filed with the FERC by federal, state or tribal entities prior to the December 15, 2008 deadline per the approved Process Plan and Schedule for the Wells ILP. The only comments on the ISR Document received were from the cities of Pateros and Brewster and these comments focus on the types of measures to be included in the Recreation Management Plan and not on the need for additional studies.

Because a second season of study is no longer called for, Douglas PUD would like to take this opportunity to update the Process Plan and Schedule for the Wells ILP. Douglas PUD’s proposed revisions to the Process Plan and Schedule include eliminating the Second Season of

Study requirement and a proposal to move forward the deadlines associated with the Updated Study Report (USR). Specifically, Douglas PUD is proposing to move forward all of the USR related deadlines including the deadline for the USR Document, USR Meeting, USR Meeting Summary, USR Meeting Summary Disagreements, Response to USR Meeting Summary Disagreements, and the Resolution of USR Disagreements deadline. Rather than using the USR Document and Meeting to present the results of the second season of study, Douglas PUD would like to use the USR Document and Meeting to present the final results of the three interim study reports filed within the ISR Document.

This proposed change in the Process Plan and Schedule will provide stakeholders with final environmental reports from the first season of studies earlier in the process and will allow all of the study reports for the Wells ILP to be reviewed and any disagreements resolved prior to the filing of the Draft License Application in December 2009. All of the other filing deadlines associated with the Process Plan and Schedule remain unchanged. Douglas PUD's proposed revisions to the Process Plan and Schedule can be found in Appendix B.

Copies of Douglas PUD's response to stakeholder comments on the ISR Document and Douglas PUD's proposed revisions to the Process Plan and Schedule are concurrently being distributed to all entities listed on the attached Relicensing Distribution List in accordance with the Communication Protocol set forth in Section 2.3 of the Pre-Application Document for the Wells Project.

If you have any questions or require further information, please feel free to contact me at (509) 881-2208 or sbickford@dcnud.org.

Sincerely,



Shane Bickford  
Supervisor of Relicensing

Cc: Relicensing Distribution List

See Enclosures:

Appendix A: Recreation Resource Work Group – Meeting Summary – February 29, 2008  
Appendix B: Revised Process Plan and Schedule

APPENDIX A: RECREATION RESOURCE WORK GROUP  
MEETING SUMMARY – FEBRUARY 29, 2008

**Final Meeting Notes**

**Recreation Resource Work Group**

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 29, 2008

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To provide an update on the Recreation Needs Evaluation and the Recreation Access Study.

Wells ILP Update

Douglas PUD provided an update on the upcoming ILP schedule. Douglas PUD is in the study phase of the ILP. Data collected during the two-year study phase will be used in developing the Draft License Application (DLA) which is due on December 31, 2009.

Recreation Needs Analysis Study Update

Kelly Bricker from Devine Tarbell & Assoc., provided a progress report on the Recreation Needs Analysis (see Attachment A below).

The RWG identified additional literature that may be relevant to the Needs Analysis Study. The RWG also discussed methods for addressing Section 6.1, Step 2 of the Study Plan (*Collect unmet Project Area recreation demand information from visitor surveys, community leaders, and current research*). The primary focus of this step is to address potential use that may not have been collected in the Recreation Use Assessment.

Actions include:

- Reviewing relevant literature;
- Interviewing community leaders identified by each of the Cities;
- Providing questionnaires at the Bridgeport Community Fair on April 26;
- Collect input at a Pateros Parent Advisory Committee (PAC) meeting;
- Collect input at a Brewster PAC meeting.

Recreation Access Study Update

Douglas PUD provided a progress report on the Recreation Access Study (see Attachment B below). Bathymetry collection at each of the boat launches is complete. The backwater analysis, which will be used to evaluate how reservoir operations impact boat launch access, is nearly complete. Next steps include analysis of aquatic plant growth at public access sites, and

development of maps showing water depths in the reservoir. The RWG discussed potential options for water depth maps that could be used to improve boater experience on the reservoir.

Action Items:

**Action:** Douglas PUD will schedule an RWG meeting in June or July to provide another study update prior to the October 30 study report meeting.

**Action:** Douglas PUD will provide the Water Trail contact information to Kelly Bricker.

**Action:** Jim Eychaner and Jim Harris will provide the relevant documents to Kelly Bricker for use in the Recreation Needs Assessment.

**Action:** Kelly Bricker will send the questionnaire to Jean Hardie and Patti Leppert.

**Action:** Lee Webster will provide the Brewster Recreation Study results to Kelly Bricker.

**Action:** Douglas PUD will be sure to address non-motorized boat use in the Recreation Access study.

**Action:** The recreation season used for the Recreation Access Study will be May - November

Next Meeting

The next meeting will be scheduled for late June or early July.

## APPENDIX B: REVISED PROCESS PLAN AND SCHEDULE

## Wells Project No 2149-131

**Revised Process Plan and Schedule**

<b>Activity</b>	<b>Responsible Parties</b>	<b>Time Frame</b>	<b>Deadline<sup>1</sup></b>
File Notice of Intent (NOI) and Pre-Application Document (PAD) (18 CFR § 5.5(d))	Douglas PUD	As early as five and one half but no later than five years prior to license expiration	December 1, 2006
Initial Tribal Consultation Meeting (18 CFR § 5.7)	FERC	No later than 30 days after filing NOI and PAD	January 2, 2007
Issue notice of NOI/PAD and Scoping Document 1 (SD1) (18 CFR § 5.8(a))	FERC	Within 60 days of filing NOI/PAD	January 30, 2007
Conduct Scoping meetings and site visit (18 CFR § 5.8(b) (viii))	FERC	Within 30 days of NOI/PAD notice and SD1 issuance	March 1, 2007
Comments on PAD, SD1, and Study Requests (18 CFR § 5.9(a))	Stakeholders	Within 60 days of NOI/PAD notice and issuance of SD1	April 2, 2007
File Proposed Study Plan (PSP) (18 CFR § 5.11)	Douglas PUD	Within 45 days of deadline for filing comments on PAD	May 17, 2007



**Process Plan and Schedule (cont.)**

<b>Activity</b>	<b>Responsible Parties</b>	<b>Time Frame</b>	<b>Deadline</b>
Issuance of Scoping Document 2, if necessary (18 CFR § 5.10)	FERC	Within 45 days of deadline for filing comments on SD1	May 17, 2007
Study Plan Meetings (18 CFR 5.11(e))	Douglas PUD	First meeting to be held within 30 days of filing PSP	June 18, 2007
Comments on PSP (18 CFR § 5.12)	Stakeholders	Within 90 days after PSP is filed	August 15, 2007
File Revised Study Plan (RSP) (18 CFR § 5.13(a))	Douglas PUD	Within 30 days of deadline for comments on PSP	September 14, 2007
Comments on RSP (18 CFR § 5.13(b))	Stakeholders	Within 15 days following RSP	October 1, 2007
Issuance of Study Plan Determination (18 CFR § 5.13(c)) <sup>2</sup>	FERC Director	Within 30 days of RSP	October 15, 2007
Formal Study Dispute Resolution Process if requested <sup>3</sup> (18 CFR § 5.14(a))	Agencies and Tribes with mandatory conditioning authority	Within 20 days of study plan determination	November 5, 2007
Dispute Resolution Panel Convenes (18 CFR § 5.14(d))	Dispute Resolution Panel	Within 20 days of a notice of study dispute	November 26, 2007
Comments on Study Plan Disputes (18 CFR § 5.14(i))	Douglas PUD	Within 25 days of notice of study dispute	November 30, 2007
Third Panel Member Selection Due (18 CFR § 5.14(d)(3))	Dispute Resolution Panel	Within 15 days of when Dispute Resolution Panel convenes	December 11, 2007

<b>Process Plan and Schedule (cont.)</b>			
<b>Activity</b>	<b>Responsible Parties</b>	<b>Time Frame</b>	<b>Deadline</b>
Dispute Resolution Panel Technical Conference (18 CFR § 5.14(j))	Dispute Resolution Panel, Douglas PUD, Stakeholders	Prior to engaging in deliberative meetings	NA
Dispute Resolution Panel Findings and Recommendations (18 CFR § 5.14(k))	Dispute Resolution Panel	No later than 50 days after notice of dispute	December 26, 2007
Study Dispute Determination (18 CFR § 5.14(l) <sup>4</sup> )	FERC Director	No later than 70 days after notice of dispute	January 14, 2008
Conduct First Season of Studies (18 CFR § 5.15)	Douglas PUD	January, 2008 – December, 2008	
Study Progress Reports (18 CFR 5.15(b))	Douglas PUD	Douglas PUD will provide summary updates every three months	
Initial Study Report (18 CFR § 5.15(c))	Douglas PUD	Pursuant to the Commission approved study plan and schedule provided in § 5.13 or no later than 1 year after Commission approval of the study plan	October 15, 2008
Initial Study Report Meeting (18 CFR § 5.15(c)(2))	Douglas PUD and Stakeholders	Within 15 days of filing the Initial Study Report	October 30, 2008
File Initial Study Report Meeting Summary (18 CFR § 5.15(c)(3))	Douglas PUD	Within 15 days of study results meeting	November 14, 2008

**Process Plan and Schedule (cont.)**

<b>Activity</b>	<b>Responsible Parties</b>	<b>Time Frame</b>	<b>Deadline</b>
File Meeting Summary Disagreements (18 CFR § 5.15(c)(4))	Stakeholders	Within 30 days of study results meeting summary	December 15, 2008
File Responses to Meeting Summary Disagreements (18 CFR § 5.15(c)(5))	Douglas PUD	Within 30 days of filing meeting summary disagreements	January 14, 2009
Resolution of Disagreements (18 CFR § 5.15(c)(6)) <sup>5</sup>	FERC Director	Within 30 days of filing responses to disagreements	February 13, 2009
<del>Conduct Second Season of Studies</del>	<del>Douglas PUD</del>	<del>January, 2009—December, 2009</del>	
File Updated Study Report (18 CFR § 5.15(f))	Douglas PUD	Pursuant to the Commission approved study plan and schedule provided in § 5.13 or no later than 2 years after Commission approval of the study plan	<del>October 15, 2009</del> April 15, 2009
Updated Study Report Meeting (18 CFR § 5.15(f))	Douglas PUD and Stakeholders	Within 15 days of updated study report	<del>October 30, 2009</del> April 30, 2009
File Updated Study Report Meeting Summary (18 CFR § 5.15(f))	Douglas PUD	Within 15 days of study report meeting	<del>November 16, 2009</del> May 15, 2009
File Meeting Summary Disagreements (18 CFR § 5.15(f))	Stakeholders	Within 30 days of study results meeting summary	<del>December 16, 2009</del> June 15, 2009

**Process Plan and Schedule (cont.)**

<b>Activity</b>	<b>Responsible Parties</b>	<b>Time Frame</b>	<b>Deadline</b>
<del>File Preliminary Licensing Proposal or Draft License Application (18 CFR § 5.16(a))</del>	<del>Douglas PUD</del>	<del>No later than 150 days prior to the deadline for filing a new or subsequent license application</del>	<del>December 31, 2009</del>
File Responses to Meeting Summary Disagreements (18 CFR § 5.15(f))	Douglas PUD	Within 30 days of filing meeting summary disagreements	<del>January 15, 2010</del> July 15, 2009
Resolution of Disagreements (18 CFR § 5.15(f)) <sup>6</sup>	FERC	Within 30 days of filing responses to disagreements	<del>February 15, 2010</del> August 14, 2009
<del>File Preliminary Licensing Proposal or Draft License Application (18 CFR § 5.16(a))</del>	<del>Douglas PUD</del>	<del>No later than 150 days prior to the deadline for filing a new or subsequent license application</del>	<del>December 31, 2009</del>
Comments on Preliminary Licensing Proposal Due (18 CFR § 5.16(e))	Stakeholders	Within 90 days of filing Preliminary License Proposal or Draft License Application	March 31, 2010
License Application Filed (18 CFR § 5.17)	Douglas PUD	By May 31, 2010 – No later than 24 months before the existing license expires	May 31, 2010

<sup>1</sup>If the due date falls on a weekend or holiday, the deadline is the following business day.

<sup>2</sup>Director's determination is subject to request for rehearing to the Commission pursuant to 18 CFR § 375.301(a) and 385.713. Any request for rehearing must be filed within 30 days of determination.

<sup>3</sup>Shaded actions are not necessary if there are no study disputes.

<sup>4</sup>Director's determination is subject to request for rehearing to the Commission pursuant to 18 CFR § 375.301(a) and 385.713. Any request for rehearing must be filed within 30 days of determination.

<sup>5</sup>Director's determination is subject to request for rehearing to the Commission pursuant to 18 CFR § 375.301(a) and 385.713. Any request for rehearing must be filed within 30 days of determination.

<sup>6</sup>Director's determination is subject to request for rehearing to the Commission pursuant to 18 CFR § 375.301(a) and 385.713. Any request for rehearing must be filed within 30 days of determination.

## Email regarding Agenda for Cultural RWG Meeting

**From:** [Scott Kreiter](#)  
**To:** [Bob Clubb, Ph.D.](#); [Camille Pleasants](#); [Chuck James](#); [David Turner \(david.turner@ferc.gov\)](#); [Frank Winchell](#); [Glenn Hartmann \(glenn@crcwa.com\)](#); [Gordon Brett](#); [Guy Moura](#); [John Devine](#); [Karen Kelleher](#); [Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); [Richard Bailey](#); [Rob Whitlam](#); [Robert Easton](#); [Scott Kreiter](#); [Shane Bickford](#); [Timothy Bachelder](#);  
**Subject:** Wells Relicensing: Cultural RWG Meeting Agenda  
**Date:** Wednesday, January 14, 2009 7:52:50 AM  
**Attachments:** [Cultural\\_Agenda\\_012709.pdf](#)

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Wells Cultural Resource Work Group Members:

Please find attached the agenda for the January 27 work group meeting. The meeting will be held from 9:00 AM to noon in Nespelem. Conference line numbers are included in the agenda.

Please contact me if you have any questions.

Thank you!  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Agenda

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
January 27, 2009  
9:00 am – 12:00 pm

**Meeting Location:** Nespelem, WA  
**Conference Dial-in:** (509) 881-2990 PIN# 327831  
**Meeting Coordinator:** Scott Kreiter (509) 881-2327  
**Meeting Objective:** To review the draft Wells Project HPMP and monitoring plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review Wells ILP Schedule	Group
9:15 am	Review edits to HPMP	Group
10:00 am	HPMP Monitoring Plan Overview and discussion	Glenn Hartmann
11:45 am	Action items and next steps	Scott Kreiter
12:00 pm	Adjourn	Group

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## Email regarding Agenda for Terrestrial RWG Meeting

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**From:** Scott Kreiter  
**Sent:** Wednesday, January 21, 2009 10:31 AM  
**To:** Beau Patterson; Bill Towey; Bob Clubb, Ph.D.; Bob Dach; Bob Easton; Brenda Crowell; Dan Trochta; Dave Volsen; David Turner; Dennis Beich; Dinah Demers; Gordon Brett; Jeff Korth; Jim McGee; John Devine; Karen Kelleher; Marc Hallett; Mary Hunt; Mary Mayo; Matt Monda; Patricia Leppert; Patrick Verhey; Scott Kreiter; Shane Bickford; Steve Lewis; Tony Eldred  
**Subject:** Wells Relicensing: Terrestrial RWG Meeting 2-18-09  
**Attachments:** Wells\_Terrestrial\_RWG\_021809.pdf

Wells Relicensing Terrestrial Work Group:

Please find attached the agenda for the February 18 Terrestrial Work Group meeting. The meeting will be held from 9am – noon at Douglas PUD in East Wenatchee. Conference call instructions are included in the agenda.

Please contact me if you have any questions.

-Scott  
Scott Kreiter  
Douglas County PUD  
509-881-2327

# Agenda

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 18, 2009  
9:00 am – 12:00 pm

**Meeting Location:** Douglas PUD, East Wenatchee, WA

**Conference Dial-in:** 509-881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To provide final Transmission Line study results and discuss the Wildlife and Botanical Management Plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review agenda and meeting objectives	Scott Kreiter
9:10 am	Wells Relicensing update and upcoming schedule	Shane Bickford
9:20 am	Transmission Line Wildlife and Botanical study	Jim McGee
10:00 am	Wildlife Management Plan overview	Jim McGee
11:45 am	Action Items and next steps	Scott Kreiter
12:00 pm	Adjourn	

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## Cultural RWG Meeting



## Cultural Resource Work Group

Date: January 27, 2009  
Time: 9:00 am – 12:00 pm  
Location: Colville Indian Agency

**Agenda**

**Sign-In Sheet**

**Meeting Notes**

# Agenda

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
January 27, 2009  
9:00 am – 12:00 pm

**Meeting Location:** Nespelem, WA  
**Conference Dial-in:** (509) 881-2990 PIN# 327831  
**Meeting Coordinator:** Scott Kreiter (509) 881-2327  
**Meeting Objective:** To review the draft Wells Project HPMP and monitoring plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review Wells ILP Schedule	Group
9:15 am	Review edits to HPMP	Group
10:00 am	HPMP Monitoring Plan Overview and discussion	Glenn Hartmann
11:45 am	Action items and next steps	Scott Kreiter
12:00 pm	Adjourn	Group



# Wells Project Relicensing Cultural Resource Work Group

DATE: January 27, 2009

LOCATION: Nespelem

Initials	Name	Affiliation Name	Email
_____	Allyson Brooks	DAHP	allyson.brooks@dahp.wa.gov
<u>on phone</u>	Bob Clubb	Douglas PUD	rclubb@dcpud.org
_____	Bob Easton	FERC	Robert.Easton@ferc.gov
_____	Camille Pleasants	Colville Tribes	camille.pleasants@colvilletribes.com
_____	Chuck James	BIA	chuckjames@comcast.net
_____	Frank Winchell	FERC	frank.winchell@ferc.gov
<u>GDH</u>	Glenn Hartmann	Western Shore	glenn@wshsinc.com
<u>ZHB</u>	Gordon Brett	Douglas PUD	gbrett@dcpud.org
<u>GM</u>	Guy Moura	Colville Tribes	guy.moura@colvilletribes.com
_____	John Devine	DTA	john.devine@devinetarbell.com
_____	Richard Bailey	BLM	richard_bailey@blm.gov
<u>on phone</u>	Rob Whitlam	DAHP	rob.whitlam@dahp.wa.gov
_____	Karen Kelleher	BLM	karen_kelleher@blm.gov
<u>SK</u>	Scott Kreiter	Douglas PUD	skreiter@dcpud.org
<u>SB</u>	Shane Bickford	Douglas PUD	sbickford@dcpud.org
_____	<del>Shawnee Bearcub</del>	Colville Tribes	shawnee.bearcub@colvilletribes.com
<u>on phone</u>	Tim Bachelder	DTA	timothy.bachelder@devinetarbell.com



**Additional Attendees**

Initials	Name	Affiliation Name	Email
<u>Bm</u>	<u>Brent MARTINEZ</u>	<u>CCT</u>	<u>brent.martinez@colvillatribes.com</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>
<u>_____</u>	<u>_____</u>	<u>_____</u>	<u>_____</u>

# Final Meeting Notes

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
January 27, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To review the draft Wells Project HPMP and Monitoring Plan

### Review ILP and Section 106 schedule

The workgroup members reviewed the Section 106 Schedule and discussed the Wells ILP schedule. The study phase for the Section 106 process is complete. The third draft of the Historic Properties Management Plan (HPMP) was issued, including a draft Monitoring Plan.

### HPMP

The workgroup members provided comments on the draft HPMP. Major comments included:

- Adding a statement regarding restricted access to confidential data by Douglas PUD employees;
- Revise the human remains discovery protocol (clarify NAGPRA versus non-NAGPRA);
- Clarify how the HPMP Coordinator will interact with the Emergency Action Plan;
- Populate Table 5.0-1 with all HPMP actions.
- Other minor editorial changes

Additional comments will be reflected in the next draft of the HPMP.

**Action:** Douglas PUD will revise the HPMP and send it to the CRWG for review prior to the next meeting.

### Monitoring Plan

Glenn Hartmann provided an overview of the draft Monitoring Plan. The CRWG members agreed with the general approach proposed for a monitoring protocol. The next step is to review and compare the list of priority sites from the inventory report (Hamilton 2008) to the recommendations for monitoring in the Monitoring Plan.

**Action:** Douglas PUD will send a table of priority sites, sorted based on recommendations, to the CRWG for review.

**Action:** Douglas PUD will revise the Monitoring Plan and send it to the CRWG for review.

**Action:** The next CRWG meeting will be a technical meeting to discuss the Monitoring Plan.

### Next Meeting

The next meeting is scheduled for March 4, from 9AM - Noon.

Memorandum to Cultural RWG regarding Submittal of Final  
Cultural Resources Site Revisit and Inventory Study



## MEMORANDUM

**TO:** Wells Cultural Resources RWG

**FROM:** Scott Kreiter

**DATE:** February 2, 2009

**SUBJECT:** Submittal of Final “*Results of the 2007-2008 Wells Reservoir Cultural Resources Site Revisit and Intensive Archaeological Survey, Chelan, Douglas, and Okanogan Counties, Washington*”. Wells Hydroelectric Project, FERC No. 2149

Please find enclosed the final report entitled “*Results of the 2007-2008 Wells Reservoir Cultural Resources Site Revisit and Intensive Archaeological Survey, Chelan, Douglas, and Okanogan Counties, Washington*”. This study was conducted for the relicensing of the Wells Hydroelectric Project. Also enclosed is a CD containing the study report (Volume I), digital copies of the site forms (Volume II), and an MS Access database.

Please note that the information in this report is **confidential and should not be copied or distributed**.

Please contact me at 509-881-2327 if you have any questions regarding this document.

Copy: Frank Winchell, Federal Energy Regulatory Commission  
Robert Whitlam, Dept. of Archaeology and Historic Preservation  
Camille Pleasants, Colville Confederated Tribes

**In accordance with 18 C.F.R. § 5.2(c), the “Results of the 2007-2008 Wells Reservoir Cultural Resources Site Revisit and Intensive Archaeological Survey, Chelan, Douglas and Okanogan Counties, Washington” is not attached to this memo because the report contains specific site or property locations, the disclosure of which would create a risk of harm or destruction of archaeological or Native American cultural resources.**

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## Email regarding Draft Cultural RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Bob Clubb, Ph.D.](#); [Brent Martinez](#); [Camille Pleasants](#); [Chuck James](#); [David Turner \(david.turner@ferc.gov\)](#); [Frank Winchell](#); [Glenn Hartmann \(glenn@crcwa.com\)](#); [Gordon Brett](#); [Guy Moura](#); [John Devine](#); [Karen Kelleher](#); [Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); [Richard Bailey](#); [Rob Whitlam](#); [Robert Easton](#); [Scott Kreiter](#); [Shane Bickford](#); [Timothy Bachelder](#);  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes  
**Date:** Tuesday, February 03, 2009 9:23:10 AM  
**Attachments:** [Wells\\_Cultural\\_RWG\\_Notes\\_012709.pdf](#)

---

Wells Cultural Resources Work Group:

Please find attached the draft meeting notes from our January 27 work group meeting. Please send any comments within the next week.

The next meeting is scheduled for March 4, 9 AM – Noon.

Thanks again for your participation...we're making great progress!

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327



# Draft Meeting Notes

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
January 27, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To review the draft Wells Project HPMP and Monitoring Plan

### Review ILP and Section 106 schedule

The workgroup members reviewed the Section 106 Schedule and discussed the Wells ILP schedule. The study phase for the Section 106 process is complete. The third draft of the Historic Properties Management Plan (HPMP) was issued, including a draft Monitoring Plan.

### HPMP

The workgroup members provided comments on the draft HPMP. Major comments included:

- Adding a statement regarding restricted access to confidential data by Douglas PUD employees;
- Revise the human remains discovery protocol (clarify NAGPRA versus non-NAGPRA);
- Clarify how the HPMP Coordinator will interact with the Emergency Action Plan;
- Populate Table 5.0-1 with all HPMP actions.
- Other minor editorial changes

Additional comments will be reflected in the next draft of the HPMP.

**Action:** Douglas PUD will revise the HPMP and send it to the CRWG for review prior to the next meeting.

### Monitoring Plan

Glenn Hartmann provided an overview of the draft Monitoring Plan. The CRWG members agreed with the general approach proposed for a monitoring protocol. The next step is to review and compare the list of priority sites from the inventory report (Hamilton 2008) to the recommendations for monitoring in the Monitoring Plan.

**Action:** Douglas PUD will send a table of priority sites, sorted based on recommendations, to the CRWG for review.

**Action:** Douglas PUD will revise the Monitoring Plan and send it to the CRWG for review.

**Action:** The next CRWG meeting will be a technical meeting to discuss the Monitoring Plan.

### Next Meeting

The next meeting is scheduled for March 4, from 9AM - Noon.

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## FERC Study Report Determination

FEDERAL ENERGY REGULATORY COMMISSION

Washington, DC 20426

February 4, 2009

OFFICE OF ENERGY PROJECTS

Project No. 2149-131-Washington  
Wells Hydroelectric Project  
Public Utility District No. 1 of  
Douglas County

William C. Dobbins, Manager  
Public Utility District No. 1 of Douglas County  
1151 Valley Mall Parkway  
East Wenatchee, WA 98802

**Subject: Determination on Requests for Modifications to the Wells Hydroelectric Project Study Plan**

Dear Mr. Dobbins:

Pursuant to 18 CFR § 5.13(c), this letter contains my determination on requests for modifications to the Wells Hydroelectric Project (Wells Project) study plan and schedule.

Background

The Public Utility District No. 1 of Douglas County (Douglas PUD) filed its initial study report on October 15, 2008. As required by the regulations, the report described the overall progress in implementing the study plan and the data collected, and included an explanation of the variances from the study plan and schedule. Douglas PUD held an initial study report meeting on October 30, 2008, and filed a meeting summary on November 10, 2008.

Comments were filed regarding the general quality of the initial study report. Additionally, Douglas PUD filed a request to revise the process plan and schedule for the Wells integrated licensing process.

***Comments***

The City of Pateros, Washington (Pateros) and the City of Brewster, Washington (Brewster) filed comments on November 7, 2008, and December 5, 2008, respectively. None of Pateros' or Brewster's comments specifically request modifications to the study

Project No. 2149-131

2

plan or new studies, but rather reflect suggestions that would improve the final study reports or provide information that may be useful in preparing the license application. Douglas PUD addressed these comments in its January 14, 2009, letter. The comments do not require modification of the study plan.

### ***Revision of the Process Plan and Schedule***

In its January 14, 2009, letter, Douglas PUD requested to revise the process plan and schedule by moving forward deadlines associated with the updated study report. Douglas PUD proposes to use the updated study report document and meeting to present the final results for three interim studies that were presented in the initial study report. As part of Douglas PUD's revised schedule, the deadlines for filing the preliminary licensing proposal (PLP), comments on the PLP, and the license application would remain unchanged. The proposed revisions to the process plan and schedule are reasonable because Douglas PUD is not proposing and no parties requested a second season of studies.

### **Study Plan Determination**

I am approving your proposed revisions to the schedule for the updated study report.

If you have any questions, please contact Bob Easton at (202) 502-6045, or via e-mail at [robert.easton@ferc.gov](mailto:robert.easton@ferc.gov).

Sincerely,

J. Mark Robinson  
Director  
Office of Energy Projects

cc: Mailing List  
Public Files

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## Email regarding Final Cultural RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Scott Kreiter](#); [Bob Clubb, Ph.D.](#); ["Brent Martinez"](#); ["Camille Pleasants"](#); ["Chuck James"](#); [David Turner \(david.turner@ferc.gov\)](#); ["Frank Winchell"](#); [Glenn Hartmann \(glenn@crcwa.com\)](#); [Gordon Brett](#); ["Guy Moura"](#); ["John Devine"](#); ["Karen Kelleher"](#); [Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); ["Richard Bailey"](#); ["Rob Whitlam"](#); ["Robert Easton"](#); [Shane Bickford](#); ["Timothy Bachelder"](#);  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes (Final)  
**Date:** Tuesday, February 10, 2009 11:27:46 AM  
**Attachments:** [Final\\_Wells\\_Cultural\\_RWG\\_Notes\\_012709.pdf](#)

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Wells Cultural Resources Work Group:

Attached are the final meeting notes from the January 27 meeting. There were no changes from the draft.

Materials for the March 4 meeting will follow soon.

-Scott

**Scott Kreiter**  
**Douglas County PUD**  
**509-881-2327**

---

**From:** Scott Kreiter  
**Sent:** Tuesday, February 03, 2009 9:23 AM  
**To:** Bob Clubb, Ph.D.; Brent Martinez; Camille Pleasants; Chuck James; David Turner (david.turner@ferc.gov); Frank Winchell; Glenn Hartmann (glenn@crcwa.com); Gordon Brett; Guy Moura; John Devine; Karen Kelleher; Margaret Berger (margaret@crcwa.com); Mary Mayo; Richard Bailey; Rob Whitlam; Robert Easton; Scott Kreiter; Shane Bickford; Timothy Bachelder  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes

Wells Cultural Resources Work Group:

Please find attached the draft meeting notes from our January 27 work group meeting. Please send any comments within the next week.

The next meeting is scheduled for March 4, 9 AM – Noon.

Thanks again for your participation...we're making great progress!



-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Final Meeting Notes

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
January 27, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To review the draft Wells Project HPMP and Monitoring Plan

### Review ILP and Section 106 schedule

The workgroup members reviewed the Section 106 Schedule and discussed the Wells ILP schedule. The study phase for the Section 106 process is complete. The third draft of the Historic Properties Management Plan (HPMP) was issued, including a draft Monitoring Plan.

### HPMP

The workgroup members provided comments on the draft HPMP. Major comments included:

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- Other minor editorial changes

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**Action:** Douglas PUD will send a table of priority sites, sorted based on recommendations, to the CRWG for review.

**Action:** Douglas PUD will revise the Monitoring Plan and send it to the CRWG for review.

**Action:** The next CRWG meeting will be a technical meeting to discuss the Monitoring Plan.

### Next Meeting

The next meeting is scheduled for March 4, from 9AM - Noon.

Phone Conversation with RCO regarding Update on  
Recreation Management Plan and ILP



## Wells Project Relicensing Phone Conversation Summary

---

**Call to:** Jim Eychaner, RCO  
**Call From:** Scott Kreiter, Douglas PUD  
**Date:** February 12, 2009  
**Time:** 10:15 AM  
**Subject:** Update on Recreation Management Plan and ILP

**Summary:**

I just touched base with Jim Eychaner to give him an update on where we're headed with the Recreation Management Plan and the ILP as a whole.

He was very pleased with the direction we're taking, and was supportive of the plan we have for moving ahead with the Recreation Management Plan. He understands that each of the cities has specific issues and that this plan might not benefit from the collaborative process we've used for other resource areas.

The RCO is mainly interested in this project from a process standpoint. They are also interested in our consistency with SCORP where appropriate. He was pleased with the measures we're proposing so far, and would like to review the Recreation Management Plan when it is ready.

## Email regarding Agenda and Meeting Materials for Cultural RWG Meeting

**From:** [Scott Kreiter](#)  
**To:** [Bob Clubb, Ph.D.](#); [Brent Martinez](#); [Camille Pleasants](#); [Chuck James](#); [David Turner](#); [Frank Winchell](#); [Glenn Hartmann \(glenn@crcwa.com\)](#); [Gordon Brett](#); [Guy Moura](#); [John Devine](#); [Karen Kelleher](#); [Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); [Richard Bailey](#); [Rob Whitlam](#); [Robert Easton](#); [Scott Kreiter](#); [Shane Bickford](#); [Timothy Bachelder](#);  
**Subject:** Wells Relicensing: Cultural RWG Meeting Materials  
**Date:** Tuesday, February 17, 2009 2:19:48 PM  
**Attachments:** [Cultural\\_Agenda\\_030409.pdf](#)  
[Wells HPMP 030409.pdf](#)  
[Hamilton 2008 Priority Sites Sorted.pdf](#)  
[Wells\\_Monitoring\\_Plan\\_Tables.pdf](#)

---

## Wells Project Cultural Resources Work Group:

Please find attached the following documents for our March 4 work group meeting.

- 1) Agenda, including dial-in number;
- 2) Revised HPMP. This revision includes tracked changes from our January 27 meeting. Also included is the completed schedule of Douglas PUD actions. The draft monitoring plan is not included at this time. We will revise the monitoring plan based on the outcome of the March 4 meeting, as well as the results of the “Inundated Sites” report being prepared by the Colville Tribe;
- 3) A table of 40 priority sites from Hamilton 2008, sorted by Management Recommendation;
- 4) Proposed monitoring tables from the draft Monitoring Plan.

The purpose of the next meeting will be to further discuss sites proposed for annual and triennial monitoring. Douglas PUD will bring maps and site forms to the meeting should they be needed as part of the discussion.

Please contact me if you have any questions.

Thanks!  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Agenda

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 4, 2009  
9:00 am – 12:00 pm

**Meeting Location:** Nespelem, WA

**Conference Dial-in:** (509) 881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:**

1. To provide comments on draft Wells Project HPMP
2. To discuss site monitoring and treatment protocols

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review action items from previous meeting	Scott Kreiter
9:15 am	Discuss any remaining comments on the HPMP	Group
10:00 am	HPMP Monitoring Plan technical discussion	Group
11:45 am	Action items and next steps	Scott Kreiter
12:00 pm	Adjourn	Group



**One or more email attachment(s) has not been provided as part of this correspondence record. Some or all of the information is privileged/confidential and not available to the public.**

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Email regarding Agenda and Meeting Materials for Terrestrial RWG Meeting

**From:** [Scott Kreiter](#)  
**To:** [Beau Patterson](#); [Bill Towey](#); [Bob Clubb, Ph.D.](#); [Bob Dach](#); [Bob Easton](#); [Brenda Crowell](#); [Dan Trochta](#); [Dave Volsen](#); [David Turner](#); [Dennis Beich](#); [Dinah Demers](#); [Gordon Brett](#); [Jeff Korth](#); [Jim McGee](#); [John Devine](#); [Karen Kelleher](#); [Marc Hallett](#); [Mary Hunt](#); [Mary Mayo](#); [Matt Monda](#); [Patricia Leppert](#); [Patrick Verhey](#); [Scott Kreiter](#); [Shane Bickford](#); [Steve Lewis](#); [Tony Eldred](#);  
**Subject:** Wells Terrestrial RWG Handouts  
**Date:** Tuesday, February 17, 2009 3:54:02 PM  
**Attachments:** [Wells\\_Terrestrial\\_RWG\\_021809.pdf](#)  
[Wells\\_Wildlife\\_Botanical\\_Management\\_Plan\\_021809.pdf](#)  
[Wells T-line Wildlife and Botanical Study summary 2-18-09.pdf](#)

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Wells Terrestrial Work Group Members:

For those attending by phone, please find attached the documents for tomorrow's meeting. We will have copies here for those attending in person, and we'll be rolling out the Wildlife and Botanical Management Plan for the first time. In other words, it is not expected that everyone will have read this before tomorrow.

Also attached is the agenda with dial-up instructions.

Please contact me if you have any questions.

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Agenda

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 18, 2009  
9:00 am – 12:00 pm

**Meeting Location:** Douglas PUD, East Wenatchee, WA

**Conference Dial-in:** 509-881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To provide final Transmission Line study results and discuss the Wildlife and Botanical Management Plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review agenda and meeting objectives	Scott Kreiter
9:10 am	Wells Relicensing update and upcoming schedule	Shane Bickford
9:20 am	Transmission Line Wildlife and Botanical study	Jim McGee
10:00 am	Wildlife Management Plan overview	Jim McGee
11:45 am	Action Items and next steps	Scott Kreiter
12:00 pm	Adjourn	

**DRAFT**

**WILDLIFE AND BOTANICAL MANAGEMENT PLAN**

**WELLS HYDROELECTRIC PROJECT**

**FERC PROJECT NO. 2149**

February 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington

# Wells 230 kV Transmission Line Wildlife and Botanical Study

## Summary of Results

February 25, 2009

In 2008, Douglas PUD contracted Parametrix, Inc. to conduct surveys for botanical and wildlife resources within the Wells Project transmission line corridor. The overall goal of these surveys was to provide information needed to guide land management decisions, avoid damage to valuable habitat during future transmission corridor management activities, and minimize the spread of invasive weeds. The study provides baseline data on plants and animals found within or adjacent to the corridor and information on the presence and habitat associations of rare, threatened, and endangered (RTE) plant and animal species in the corridor.

### 1.0 Botanical Surveys

#### 1.1 Botanical RTE Survey

- No Federal Listed Species
- Thompson's clover (*Trifolium thompsonii*) State Listed – Threatened  
Approximately 11 acres in the transmission line corridor.

#### 1.2 Invasive Plant Surveys

- No Class A Weed Species
- Class B Designate Species – Dalmatian toadflax (*Linaria dalmatica* ssp. *dalmatica*) 0.3 acres and spotted knapweed (*Centaurea stoebe*) 25.6 acres.
- Class B Non-Designate Weeds – diffuse knapweed (*Centaurea diffusa*)
- Class C Weeds – Canada thistle (*Cirsium arvense*), bull thistle (*Cirsium vulgare*) and field bindweed (*Convolvulus arvensis*).

#### 1.3 Cover Type Mapping – 1117 acres

- Active Agriculture – 583 acres - 52%
- Shrub Steppe – 340 acres – 30%
- Inactive Agriculture – 66 acres 6%
- Cleared Conifer – 41 acres – 4 %
- Grass – 25 acres – 2%
- Other – 23 acres – 2%
- Cleared Open Conifer, Open Conifer, Conifer, Riparian, Talus, Wetland  
Palustrine Emergent, Wetland Palustrine Forested – 4 %

## 2.0 Terrestrial Surveys

### 2.1 RTE Terrestrial Survey

#### 2.1.1 Prairie Grouse Survey

- No Evidence of greater sage grouse (*Centrocercus urophasianus*) or sharp-tailed grouse (*Tympanuchus phasianellus*) found

#### 2.1.2 RTE Species Found

- No Federal Listed Species
- American white pelican (*Pelecanus erythrorhynchus*) – State Endangered
- Sage Thrasher (*Oreoscoptes montanus*) – State Candidate
- golden eagle (*Aquila chrysaetos*) - State Candidate

### 2.2 Raptor and Corvid Nest Survey – 11 nest found

- Within the transmission line corridor – 2 common raven (*Corvus corax*), 1 red-tailed hawk (*Buteo jamaicensis*) and 1 unknown nest.
- Outside the corridor – 3 red-tailed hawk, 1 Swainson’s hawk (*B. swainsoni*), 3 unknown nests

### 2.3 Avian Collision Survey

#### 2.3.1 Douglas County

- No evidence of collision
- 3 feather piles – ring-necked pheasant (*Phasianus colchicus*), California quail (*Callipepla californica*) and common nighthawk (*Chordeiles minor*).
- 1 fresh great-horned owl (*Bubo virginianus*) carcass – evidence of starvation.

#### 2.3.2 Chelan County

- 1 great blue heron (*Ardea herodias*) – skeleton, cause of death unknown but possible collision with transmission line.

#### 2.3.3 WDFW and DCPUD Fall Raptor Migration Survey on Wells 230 kV Transmission line

- Surveys between September 16 and September 30, 2009
- 37 observations of 6 species of raptors and 3 unidentified hawks.
- 13 birds were seen to cross over or under the lines – no raptors flared due to the lines.
- 13 birds were observed perching on the transmission line towers.



- Species observed - northern harrier (*Circus cyaneus*), Cooper's hawk (*Accipiter cooperii*), red-tailed hawk, golden eagle, merlin (*Falco columbarius*), and prairie falcon (*Falco mexicanus*).

#### 2.4 Bird Survey – 103 species

- Most common species - American robin (*Turdus migratorius*)
- Other common species include: Brewer's sparrow (*Spizella breweri*), spotted towhee (*Pipilo maculatus*), dark-eyed junco (*Junco hyemalis*), and mountain chickadee (*Poecile gambeli*).
- Greatest number of species detected in Shrub Steppe.

#### 2.5 Reptile Survey – 5 species

- Reptile species observed included pygmy short-horned lizard (*Phrynosoma douglasii*), western skink (*Eumeces skiltonianus*), racer (*Coluber constrictor*), western terrestrial garter snake (*Thamnophis elegans*), and western rattlesnake (*Crotalus viridis*).
- Anecdotal amphibians – long-toed salamander (*Ambystoma macrodactylum*) and desicated tiger salamander (*A. tigrinum*)

#### 2.6 Mammals documented - 13 species

- Mule deer (*Odocoileus hemionus*), coyote (*Canis latrans*), bobcat (*Felis rufus*), cougar (*Puma concolor*), striped skunk (*Mephitis mephitis*), long-tailed weasel (*Mustela frenata*), America badger (*Taxidea taxus*), porcupine (*Erethizon dorsatum*), northern pocket gopher (*Thomomys talpoides*), bushy-tailed woodrat (*Neotoma cinerea*), yellow-bellied marmot (*Marmota flaviventris*), and Douglas' squirrel (*Tamiasciurus douglasii*).
- Additional observations indicated the presence of chipmunks (*Tamias* spp., yellow-pine and/or least) and voles (species unknown).

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## Terrestrial RWG Meeting



## Terrestrial Resource Work Group

Date: February 18, 2009

Time: 9:00 am – 12:00 pm

Location: Douglas PUD

[Agenda](#)

[Sign-In Sheet](#)

[Meeting Notes](#)

# Agenda

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 18, 2009  
9:00 am – 12:00 pm

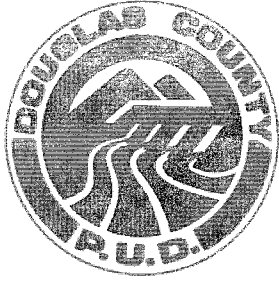
**Meeting Location:** Douglas PUD, East Wenatchee, WA

**Conference Dial-in:** 509-881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To provide final Transmission Line study results and discuss the Wildlife and Botanical Management Plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review agenda and meeting objectives	Scott Kreiter
9:10 am	Wells Relicensing update and upcoming schedule	Shane Bickford
9:20 am	Transmission Line Wildlife and Botanical study	Jim McGee
10:00 am	Wildlife Management Plan overview	Jim McGee
11:45 am	Action Items and next steps	Scott Kreiter
12:00 pm	Adjourn	



# Wells Project Relicensing Terrestrial Resource Work Group

DATE: 2-18-09

LOCATION: DC PUD

---

Initials	Name	Affiliation Name	Email
<u>BP</u>	Beau Patterson	WDFW	pattebap@dfw.wa.gov
_____	Bill Towey	Colville Tribes	bill.towey@colvilletribes.com
<u>Bob</u>	Bob Clubb	Douglas PUD	rclubb@dcpud.org
_____	Bob Easton	FERC	Robert.Easton@ferc.gov
_____	Brenda Crowell	Okanogan County	bcrowell@co.okanogan.wa.us
<u>Phone</u>	Dan Trochta	USFWS	dan_trochta@fws.gov
<u>DPV</u>	Dave Volsen	WDFW	volsedpv@dfw.wa.gov
<u>Phone</u>	David Turner	FERC	david.turner@ferc.gov
_____	Dennis Beich	WDFW	beichdvb@dfw.wa.gov
_____	Dinah Demers	Colville Tribes	dinah.demers@colvilletribes.com
_____	Gordon Brett	Douglas PUD	gbrett@dcpud.org
_____	Jeff Korth	WDFW	korthjwk@dfw.wa.gov
<u>JMG</u>	Jim McGee	Douglas PUD	jmcgee@dcpud.org
_____	John Devine	DTA	john.devine@devinetarbell.com
_____	Karen Kelleher	BLM	karen_kelleher@blm.gov
_____	Marc Hallet	WDFW	hallemh@dfw.wa.gov
_____	Mary Hunt	Douglas County	mhunt@co.douglas.wa.us
_____	Matt Monda	WDFW	mondamjm@dfw.wa.gov

_____	Patricia Leppert	FERC	patricia.leppert@ferc.gov
<u>SK</u>	Scott Kreiter	Douglas PUD	skreiter@dcpud.org
<u>SB</u>	Shane Bickford	Douglas PUD	sbickford@dcpud.org
_____	Steve Lewis	USFWS	stephen_lewis@fws.gov
<u>TE</u>	Tony Eldred	WDFW	eldredte@dfw.wa.gov

**Additional Attendees**

<b>Initials</b>	<b>Name</b>	<b>Affiliation Name</b>	<b>Email</b>
_____	_____	_____	_____
_____	_____	_____	_____
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# Final Meeting Notes

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 18, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** Present final Transmission Line study results, discuss the Wildlife and Botanical Management Plan and introduce the Avian Protection Plan

### Wells ILP Update

Douglas PUD (Shane Bickford) provided an update on the Wells Project ILP. Upcoming deadlines are:

- Mid-March – Douglas PUD will share the draft Biological Assessment and Essential Fish Habitat Assessment with NMFS and USFWS;
- April 15 - File Updated Study Report;
- April 30 – Updated Study Report Meeting;

The Draft License Application (DLA) will be filed with FERC on December 31, 2009. Douglas PUD hopes to have all management plans complete in order to file them with the DLA.

### Transmission Line Wildlife and Botanical Study

Douglas PUD (Jim McGee) provided an overview of the final results of the Transmission Line Wildlife and Botanical Report. Summarized results were included in a handout. The final report will be distributed on April 15 as part of the Updated Study Report.

### Wildlife and Botanical Management Plan

Douglas PUD (Jim McGee) walked through the draft Wildlife and Botanical Management Plan (WBMP). The following recommendations were made during the discussion.

1. Separate the Wells Project Avian Protection Plan (APP) from the Wildlife and Botanical Management Plan (WBMP). This will make it easier for FERC to approve the plans and will facilitate compliance monitoring. (David Turner, FERC)
2. Add T-line figure to the WBMP.
3. Check with Lands for any existing permits that might allow ground-disturbing activities within 500' of RTE plant occurrences. If none, remove "new" from "ground disturbing" measure; if one or more, modify section appropriately.



4. Jim McGee will contact Dave Volsen (WDFW) to coordinate nest disturbing activities protocols within APP, with relevant Washington State WACs as well as federal laws.
5. Address timing of transmission line right-of-way tree maintenance activities to protect nesting birds.
6. WBMP, 4.3.1: Add detail to bald eagle perch tree protection measures so that compliance can be more easily determined.
7. WBMP Objective 5: describe Cassimer Bar dike maintenance activities such that FERC can easily determine compliance. (David Turner, FERC)
8. WBMP, 4.6.1: Provide justification for the 10-year interval for noxious weed surveys on Project lands. (David Turner, FERC)
9. WBMP and Avian Protection Plan (APP) both need reporting mechanisms to ensure compliance with the license. (David Turner, FERC)
10. Add section describing how and when plans may be modified, in consultation with natural resources agencies. (David Turner, FERC)
11. Check to make sure that Thompson's clover is added to all accountings of RTE plant species;
12. Append Douglas PUD Administrative Policy on Avian Protection to the Wells Project APP. (David Turner, FERC)
13. Douglas PUD to send out drafts incorporating action items and meeting revisions within 1 week; comments due back to DCPUD by 3/13; next meeting tentatively set for 3/23 from 9 am - noon.

#### Action Items

There were no additional action items in addition to those described in the preceding section regarding the draft WBMP.

The next meeting is tentatively scheduled for March 23, from 9 am – noon.

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## Email regarding Draft Terrestrial RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Scott Kreiter](#); [Beau Patterson](#); [Bill Towey](#); [Bob Clubb, Ph.D.](#); [Bob Dach](#); [Bob Easton](#); [Brenda Crowell](#); [Dan Trochta](#); [Dave Volsen](#); [David Turner](#); [Dennis Beich](#); [Dinah Demers](#); [Gordon Brett](#); [Jeff Korth](#); [Jim McGee](#); [John Devine](#); [Karen Kelleher](#); [Marc Hallett](#); [Mary Hunt](#); [Mary Mayo](#); [Matt Monda](#); [Patricia Leppert](#); [Patrick Verhey](#); [Shane Bickford](#); [Steve Lewis](#); [Tony Eldred](#);  
**Subject:** Wells Relicensing: Terrestrial RWG revised management plans  
**Date:** Wednesday, February 25, 2009 3:25:05 PM  
**Attachments:** [Terrestrial\\_RWG\\_Notes\\_021809\[1\].pdf](#)  
[Wildlife\\_Management\\_Plan022509.pdf](#)  
[Draft\\_Avian\\_Protection\\_Plan\\_022509.pdf](#)

---

Wells Relicensing Terrestrial Work Group,

Please find attached the following documents from our February 18 work group meeting:

- 1) Draft meeting notes. Please send any comments to the notes by March 4.
- 2) A revised Wildlife and Botanical Management Plan. Note that changes are tracked.
- 3) A revised Avian Protection Plan.

As discussed during the meeting, please send your comments on the two plans by March 13.

The next meeting is scheduled for March 23, from 9 am to noon.

Please contact me if you have any questions. Thanks to everyone for your useful comments during the meeting!

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Draft Meeting Notes

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 18, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** Present final Transmission Line study results, discuss the Wildlife and Botanical Management Plan and introduce the Avian Protection Plan

### Wells ILP Update

Douglas PUD (Shane Bickford) provided an update on the Wells Project ILP. Upcoming deadlines are:

- Mid-March – Douglas PUD will share the draft Biological Assessment and Essential Fish Habitat Assessment with NMFS and USFWS;
- April 15 - File Updated Study Report;
- April 30 – Updated Study Report Meeting;

The Draft License Application (DLA) will be filed with FERC on December 31, 2009. Douglas PUD hopes to have all management plans complete in order to file them with the DLA.

### Transmission Line Wildlife and Botanical Study

Douglas PUD (Jim McGee) provided an overview of the final results of the Transmission Line Wildlife and Botanical Report. Summarized results were included in a handout. The final report will be distributed on April 15 as part of the Updated Study Report.

### Wildlife and Botanical Management Plan

Douglas PUD (Jim McGee) walked through the draft Wildlife and Botanical Management Plan (WBMP). The following recommendations were made during the discussion.

1. Separate the Wells Project Avian Protection Plan (APP) from the Wildlife and Botanical Management Plan (WBMP). This will make it easier for FERC to approve the plans and will facilitate compliance monitoring. (David Turner, FERC)
2. Add T-line figure to the WBMP.
3. Check with Lands for any existing permits that might allow ground-disturbing activities within 500' of RTE plant occurrences. If none, remove "new" from "ground disturbing" measure; if one or more, modify section appropriately.

4. Jim McGee will contact Dave Volsen (WDFW) to coordinate nest disturbing activities protocols within APP, with relevant Washington State WACs as well as federal laws.
5. Address timing of transmission line right-of-way tree maintenance activities to protect nesting birds.
6. WBMP, 4.3.1: Add detail to bald eagle perch tree protection measures so that compliance can be more easily determined.
7. WBMP Objective 5: describe Cassimer Bar dike maintenance activities such that FERC can easily determine compliance. (David Turner, FERC)
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9. WBMP and Avian Protection Plan (APP) both need reporting mechanisms to ensure compliance with the license. (David Turner, FERC)
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#### Action Items

There were no additional action items in addition to those described in the preceding section regarding the draft WBMP.

The next meeting is tentatively scheduled for March 23, from 9 am – noon.

**DRAFT**

**WILDLIFE AND BOTANICAL MANAGEMENT PLAN**  
**WELLS HYDROELECTRIC PROJECT**  
**FERC PROJECT NO. 2149**

February 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington

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**DRAFT**  
**WELLS PROJECT 230 KV TRANSMISSION LINE**  
**AVIAN PROTECTION PLAN**

**WELLS HYDROELECTRIC PROJECT**

**FERC NO. 2149**

February 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington



## Email from FERC regarding Comments on Wells Wildlife Management Plan

---

**From:** David Turner [mailto:David.Turner@ferc.gov]  
**Sent:** Monday, March 02, 2009 5:28 AM  
**To:** Scott Kreiter  
**Subject:** Comments on Wells Wildlife Management Plan

Scott,

I reviewed the tracked changes. These are my few quick comments. Obviously, they may change based on any comments filed on your license application.

#### Section 2.1

Remove the following sentence and find another transition sentence: Pertinent to this Management Plan, the goals of the Off-License Settlement Agreement include creating, protecting, maintaining and enhancing wildlife habitat and botanical resources potentially affected by the Wells Project. This sentence suggests that the measures should be part of the license.

#### Section 4.2

I don't understand the reason for distinguishing private lands versus PUD lands as written. For private lands, located within the Wells transmission line corridor, Douglas PUD will control weeds within a 500 foot buffer of Thompson's clover occurrences within the transmission line right of way. Weed control work will utilize the following methods in descending order of preference: biological control, hand pulling, hand wiping of individual weeds with herbicide. Why not just say that you will control weeds within a 500 foot buffer of the Thompson's clover within the transmission line right-of-way.

#### Section 4.5

I recommend defining when the dike will be repaired—for example, within one year of completing the repair design. You can seek an extension of time if necessary permits are not obtained timely.

Something is missing in this objective: Beginning in year one of the new license, Douglas PUD will continue to manage the Cassimer Bar Wildlife Management Area, maintaining the riparian, wetland and upland habitats for wildlife. What exactly will you be doing?

#### Section 7

I know you added this based on my recommendation, but I am having second thoughts based on discussions with DHAC. They do not want to receive reports for reporting sake. They will rely on others to let us know if you are not complying with the management plan objectives. So I would remove this section of the plan or revise to allow filing the reports with WDFW and FWS, if they want it. It may be difficult to get unanimous consent for any proposed changes. In addition, the license will include a standard reopener that would agencies to seek modifications to the approved plan. So this provision of the plan is not needed.

David

## Cultural RWG Meeting



## Cultural Resource Work Group

Date: March 4, 2009

Time: 9:00 am – 12:00 pm

Location: Nespelem

[Agenda](#)

[Sign-In Sheet](#)

[Meeting Notes](#)

# Agenda

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 4, 2009  
9:00 am – 12:00 pm

**Meeting Location:** Nespelem, WA

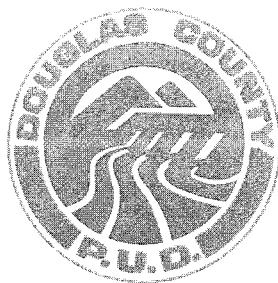
**Conference Dial-in:** (509) 881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:**

1. To provide comments on draft Wells Project HPMP
2. To discuss site monitoring and treatment protocols

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review action items from previous meeting	Scott Kreiter
9:15 am	Discuss any remaining comments on the HPMP	Group
10:00 am	HPMP Monitoring Plan technical discussion	Group
11:45 am	Action items and next steps	Scott Kreiter
12:00 pm	Adjourn	Group



## Wells Project Relicensing Cultural Resource Work Group

DATE: March 4, 2009

LOCATION: Nespelem

---

Initials	Name	Affiliation Name	Email
_____	Allyson Brooks	DAHP	allyson.brooks@dahp.wa.gov
_____	Bob Clubb	Douglas PUD	rclubb@dcpud.org
_____	Bob Easton	FERC	robert.easton@ferc.gov
<i>BAM</i>	Brent Martinez	Colville Tribes	brent.martinez@colvilletribes.com
_____	Camille Pleasants	Colville Tribes	camille.pleasants@colvilletribes.com
_____	Chuck James	BIA	chuckjames@comcast.net
<i>Phone</i>	Frank Winchell	FERC	frank.winchell@ferc.gov
<i>Phone</i>	Glenn Hartmann	Western Shore	glenn@wshsinc.com
<i>SAB</i>	Gordon Brett	Douglas PUD	gbrett@dcpud.org
<i>SM</i>	Guy Moura	Colville Tribes	guy.moura@colvilletribes.com
_____	John Devine	HDR/DTA	john.devine@devinetarbell.com
_____	Richard Bailey	BLM	richard_bailey@blm.gov
_____	Rob Whitlam	DAHP	rob.whitlam@dahp.wa.gov
_____	Karen Kelleher	BLM	karen_kelleher@blm.gov
<i>SK</i>	Scott Kreiter	Douglas PUD	skreiter@dcpud.org
<i>Phone</i>	Shane Bickford	Douglas PUD	sbickford@dcpud.org
_____	Tim Bachelder	HDR/DTA	timothy.bachelder@devinetarbell.com

# Final Meeting Notes

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 4, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:**

1. To discuss and comment on the Wells Project HPMP
2. To discuss site monitoring and treatment protocols

Scott Kreiter (Douglas PUD) welcomed the participants and provided an overview of the agenda and reviewed the action items from the previous meeting.

### HPMP

The workgroup members provided comments on the draft HPMP. Major comments included:

- Add a section including a brief historic context;
- Add summary of how HPMP will be used, maintained, updated in Section 1.2 and Executive Summary;
- Add more detail on Cultural Resource Work Group, including specific roles in HPMP implementation;
- Include statement regarding HPMP implementation through Programmatic Agreement and the new license. Include placeholder for license article language in an appendix;
- Add summary of existing management under current license in Section 2;
- Expand summary of study results in Section 2, specifically Hamilton, 2008;
- Add a section regarding National Register and the Determination of Eligibility process.
- Clarify role of HPMP Coordinator to include responsibility for implementation of HPMP;
- Include statement regarding Education Plan and how it will be used to train appropriate personnel, new employees, etc.
- Section 3.3.2.1 to state that SHPO/THPO/professional archaeologist will determine work stoppage zone;
- Create a new section (Section 4.0), Site Specific Management Measures which ties to the implementation schedule and Appendix G (Monitoring and Treatment Plan);
- Expand table of sites to include eligibility status, etc.
- Include overview map with site locations.

Additional comments will be reflected in the next draft of the HPMP.

Guy Moura (CCT) suggested that Douglas PUD meet with the THPO to discuss potential options for determinations of eligibility.

**Action:** Douglas PUD will revise the HPMP and send it to the CRWG for review.

### Monitoring and Treatment Protocols

Due to time limitations, the group decided to hold a technical meeting March 30 to discuss site monitoring and treatment, and to develop a single list of priority sites.

**Action:** Douglas PUD will send hard copies of the site forms for the 40 priority sites to Rob Whitlam.

### Next Meeting

The next meeting is a technical meeting scheduled for March 30, from 9 AM – 3 PM.



## Email regarding Draft Cultural RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Bob Clubb, Ph.D.](#); [Brent Martinez](#); [Camille Pleasants](#); [Chuck James](#);  
[David Turner](#); [Frank Winchell](#); [Glenn Hartmann \(glenn@crcwa.com\)](#);  
[Gordon Brett](#); [Guy Moura](#); [John Devine](#); [Karen Kelleher](#);  
[Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); [Richard Bailey](#);  
[Rob Whitlam](#); [Robert Easton](#); [Scott Kreiter](#); [Shane Bickford](#);  
[Timothy Bachelder](#);  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes (Draft)  
**Date:** Tuesday, March 10, 2009 9:18:50 AM  
**Attachments:** [Wells\\_Cultural\\_RWG\\_Notes\\_Draft\\_030409.pdf](#)

---

Wells Cultural Resources Work Group:

Please find attached the draft meeting notes from our March 4 work group meeting. Please send any comments by March 17.

The next meeting is a technical meeting on March 30, 9 AM – Noon.

Thanks!  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Draft Meeting Notes

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 4, 2009

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### Next Meeting

The next meeting is a technical meeting scheduled for March 30, from 9 AM – 3 PM.

Email regarding Final Terrestrial RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Beau Patterson](#); [Bill Towey](#); [Bob Clubb, Ph.D.](#); [Bob Dach](#); [Bob Easton](#); [Brenda Crowell](#); [Dan Trochta](#); [Dave Volsen](#); [David Turner](#); [Dennis Beich](#); [Dinah Demers](#); [Gordon Brett](#); [Jeff Korth](#); [Jim McGee](#); [John Devine](#); [Karen Kelleher](#); [Marc Hallett](#); [Mary Hunt](#); [Mary Mayo](#); [Matt Monda](#); [Patricia Leppert](#); [Patrick Verhey](#); [Scott Kreiter](#); [Shane Bickford](#); [Steve Lewis](#); [Tony Eldred](#);  
**Subject:** Wells Relicensing: Terrestrial RWG Meeting Materials  
**Date:** Monday, March 16, 2009 11:29:17 AM  
**Attachments:** [Terrestrial\\_RWG\\_Notes\\_021809.pdf](#)  
[Terrestrial\\_Agenda\\_032309.pdf](#)  
[Wildlife\\_Management\\_Plan\\_032309.pdf](#)  
[Avian\\_Protection\\_Plan\\_032309.pdf](#)

---

Wells Terrestrial Work Group Members:

Please find attached the following documents:

1. Final meeting minutes from February 18;
2. Agenda for Monday, March 23 meeting (9:00 AM – 11:30 AM);
3. Wildlife and Botanical Management Plan with changes tracked;
4. Avian Protection Plan.

Conference call instructions are included in the agenda.

Please contact me if you have any questions.

Thanks.

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Final Meeting Notes

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
February 18, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** Present final Transmission Line study results, discuss the Wildlife and Botanical Management Plan and introduce the Avian Protection Plan

### Wells ILP Update

Douglas PUD (Shane Bickford) provided an update on the Wells Project ILP. Upcoming deadlines are:

- Mid-March – Douglas PUD will share the draft Biological Assessment and Essential Fish Habitat Assessment with NMFS and USFWS;
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Douglas PUD (Jim McGee) provided an overview of the final results of the Transmission Line Wildlife and Botanical Report. Summarized results were included in a handout. The final report will be distributed on April 15 as part of the Updated Study Report.

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Douglas PUD (Jim McGee) walked through the draft Wildlife and Botanical Management Plan (WBMP). The following recommendations were made during the discussion.

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2. Add T-line figure to the WBMP.
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13. Douglas PUD to send out drafts incorporating action items and meeting revisions within 1 week; comments due back to DCPUD by 3/13; next meeting tentatively set for 3/23 from 9 am - noon.

#### Action Items

There were no additional action items in addition to those described in the preceding section regarding the draft WBMP.

The next meeting is tentatively scheduled for March 23, from 9 am – noon.



## Email regarding Agenda for Terrestrial RWG

**From:** [Scott Kreiter](#)  
**To:** [Beau Patterson](#); [Bill Towey](#); [Bob Clubb, Ph.D.](#); [Bob Dach](#); [Bob Easton](#); [Brenda Crowell](#); [Dan Trochta](#); [Dave Volsen](#); [David Turner](#); [Dennis Beich](#); [Dinah Demers](#); [Gordon Brett](#); [Jeff Korth](#); [Jim McGee](#); [John Devine](#); [Karen Kelleher](#); [Marc Hallett](#); [Mary Hunt](#); [Mary Mayo](#); [Matt Monda](#); [Patricia Leppert](#); [Patrick Verhey](#); [Scott Kreiter](#); [Shane Bickford](#); [Steve Lewis](#); [Tony Eldred](#);  
**Subject:** Wells Relicensing: Terrestrial RWG Meeting Materials  
**Date:** Monday, March 16, 2009 11:29:17 AM  
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[Avian\\_Protection\\_Plan\\_032309.pdf](#)

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Thanks.

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Agenda

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 23, 2009  
9:00 am – 11:30 am

**Meeting Location:** Douglas PUD, East Wenatchee, WA

**Conference Dial-in:** 509-881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To discuss the revised Wildlife and Botanical Management Plan and the Avian Protection Plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review agenda and meeting objectives	Scott Kreiter
9:10 am	Revise Wildlife and Botanical Management Plan	Jim McGee
10:00 am	Revise Avian Protection Plan	Jim McGee
11:00 am	Action Items and next steps	Scott Kreiter
11:30 pm	Adjourn	

**DRAFT**

**WILDLIFE AND BOTANICAL MANAGEMENT PLAN**  
**WELLS HYDROELECTRIC PROJECT**  
**FERC PROJECT NO. 2149**

| March 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington

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**DRAFT**  
**WELLS PROJECT 230 KV TRANSMISSION LINE**  
**AVIAN PROTECTION PLAN**

**WELLS HYDROELECTRIC PROJECT**

**FERC NO. 2149**

March, 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington

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## Email regarding Final Cultural RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Scott Kreiter](#); [Bob Clubb, Ph.D.](#); ["Brent Martinez"](#); ["Camille Pleasants"](#); ["Chuck James"](#); [David Turner](#); ["Frank Winchell"](#); [Glenn Hartmann \(glenn@crcwa.com\)](#); [Gordon Brett](#); ["Guy Moura"](#); ["John Devine"](#); ["Karen Kelleher"](#); [Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); ["Richard Bailey"](#); ["Rob Whitlam"](#); ["Robert Easton"](#); [Shane Bickford](#); ["Timothy Bachelder"](#);  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes (Final)  
**Date:** Wednesday, March 18, 2009 8:59:29 AM  
**Attachments:** [Wells\\_Cultural\\_RWG\\_Notes\\_030409.pdf](#)

---

Wells Cultural Resources Work Group:

Attached are the final meeting notes from the March 4 work group meeting. There was one addition which is highlighted in yellow.

Thank you.  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

---

**From:** Scott Kreiter  
**Sent:** Tuesday, March 10, 2009 9:19 AM  
**To:** Bob Clubb, Ph.D.; Brent Martinez; Camille Pleasants; Chuck James; David Turner; Frank Winchell; Glenn Hartmann (glenn@crcwa.com); Gordon Brett; Guy Moura; John Devine; Karen Kelleher; Margaret Berger (margaret@crcwa.com); Mary Mayo; Richard Bailey; Rob Whitlam; Robert Easton; Scott Kreiter; Shane Bickford; Timothy Bachelder  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes (Draft)

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-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Final Meeting Notes

## Cultural Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 4, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:**

1. To discuss and comment on the Wells Project HPMP
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- Add summary of how HPMP will be used, maintained, updated in Section 1.2 and Executive Summary;
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### Next Meeting

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## Terrestrial RWG Meeting



## Terrestrial Resource Work Group

Date: March 23, 2009  
Time: 9:00 am – 11:30 am  
Location: Douglas County PUD

[Agenda](#)

[Sign-In Sheet](#)

[Meeting Notes](#)

# Agenda

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 23, 2009  
9:00 am – 11:30 am

**Meeting Location:** Douglas PUD, East Wenatchee, WA

**Conference Dial-in:** 509-881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To discuss the revised Wildlife and Botanical Management Plan and the Avian Protection Plan

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
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9:10 am	Revise Wildlife and Botanical Management Plan	Jim McGee
10:00 am	Revise Avian Protection Plan	Jim McGee
11:00 am	Action Items and next steps	Scott Kreiter
11:30 pm	Adjourn	



# Wells Project Relicensing Terrestrial Resource Work Group

DATE: March 23, 2009

LOCATION: Douglas PUD

---

Initials	Name	Affiliation Name	Email
<i>BP</i>	Beau Patterson	Douglas PUD	beaup@dcpud.org
_____	Bill Towey	Colville Tribes	bill.towey@colvilletribes.com
_____	Bob Easton	FERC	Robert.Easton@ferc.gov
_____	Brenda Crowell	Okanogan County	bcrowell@co.okanogan.wa.us
_____	Dan Trochta	USFWS	dan_trochta@fws.gov
<i>DPV</i>	Dave Volsen	WDFW	volsedpv@dfw.wa.gov
<i>on phone</i>	David Turner	FERC	david.turner@ferc.gov
_____	Dennis Beich	WDFW	beichdvb@dfw.wa.gov
_____	Dinah Demers	Colville Tribes	dinah.demers@colvilletribes.com
_____	Gordon Brett	Douglas PUD	gbrett@dcpud.org
_____	Jeff Korth	WDFW	korthjwk@dfw.wa.gov
<i>JM</i>	Jim McGee	Douglas PUD	jmcgee@dcpud.org
_____	John Devine	DTA	john.devine@devinetarbell.com
<i>KK</i>	Karen Kelleher	BLM	karen_kelleher@blm.gov
_____	Marc Hallet	WDFW	hallemh@dfw.wa.gov
_____	Mary Hunt	Douglas County	mhunt@co.douglas.wa.us
_____	Matt Monda	WDFW	mondamjm@dfw.wa.gov
_____	Patricia Leppert	FERC	patricia.leppert@ferc.gov



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TE

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WDFW

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**Additional Attendees**

Initials	Name	Affiliation Name	Email
<u>pmv</u>	<u>Patrick Verhey</u>	<u>WDFW</u>	<u>verhepvm@dfw.wa.gov</u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>
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# Final Meeting Notes

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 23, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** Discuss the revised Wildlife and Botanical Management Plan and the Avian Protection Plan

### Wildlife and Botanical Management Plan

Douglas PUD (Jim McGee) walked through the draft Wildlife and Botanical Management Plan (WBMP). The following recommendations were made during the discussion.

1. Global change on terms defining the Wells Project (e.g. Wells Project, Wells Reservoir, Wells pool, Wells Project Boundary, etc.).
2. Revise project area map to include West Foster Creek Wildlife Unit and modify legend accordingly.
3. Added provision in Section 4.2 for periodic survey of known RTE populations.
4. Various editorial changes were made throughout the document. All changes are highlighted in the revised draft.

### 230 KV Transmission Line Avian Protection Plan (APP)

Due to time limitations, the Terrestrial Resources Work Group (TRWG) agreed to provide written comments on the APP. Comments are due to Scott Kreiter by April 3.

Prior to sending the APP to the TRWG, Jim McGee will add a section stating that in the event that the segment of transmission line crossing the Columbia River is replaced, or other maintenance allows, bird flight diverters may be installed.

### Action Items

- Douglas PUD will email the revised WBMP and APP to the TRWG. Any additional comments should be sent to Scott Kreiter by April 3.

## Email regarding Draft Terrestrial RWG Meeting Notes

**From:** [Scott Kreiter](#)  
**To:** [Beau Patterson](#); [Bill Towey](#); [Bob Clubb, Ph.D.](#); [Bob Dach](#); [Bob Easton](#); [Brenda Crowell](#); [Dan Trochta](#); [Dave Volsen](#); [David Turner](#); [Dennis Beich](#); [Dinah Demers](#); [Gordon Brett](#); [Jeff Korth](#); [Jim McGee](#); [John Devine](#); [Karen Kelleher](#); [Marc Hallett](#); [Mary Hunt](#); [Mary Mayo](#); [Matt Monda](#); [Patricia Leppert](#); [Patrick Verhey](#); [Scott Kreiter](#); [Shane Bickford](#); [Steve Lewis](#); [Tony Eldred](#);  
**Subject:** Wells Relicensing: Terrestrial Resources Work Group Meeting Products  
**Date:** Tuesday, March 24, 2009 3:02:11 PM  
**Attachments:** [Terrestrial\\_RWG\\_Notes\\_032309.pdf](#)  
[Wells\\_Project\\_Wildlife\\_Management\\_Plan\\_032309 \(Draft\).DOC](#)  
[Wells\\_Project\\_Avian\\_Protection\\_Plan\\_032309 \(Draft\).doc](#)

---

Wells Project Terrestrial Resources Work Group:

Please find attached the following documents from the March 23 meeting:

1. Draft Meeting Minutes: Please provide any comments on the minutes by March 31;
2. Draft Wildlife and Botanical Management Plan (WBMP), including changes made during the March 23 meeting;
3. Draft 230KV Transmission Corridor Avian Protection Plan (APP).

As discussed during the meeting, please provide any comments you may have to the APP or WBMP by April 3. Feel free to provide your comments to me by email, by phone, or by hard copy.

Thank you.  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Draft Meeting Notes

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 23, 2009

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### Action Items

- Douglas PUD will email the revised WBMP and APP to the TRWG. Any additional comments should be sent to Scott Kreiter by April 3.

**DRAFT**

**WILDLIFE AND BOTANICAL MANAGEMENT PLAN**  
**WELLS HYDROELECTRIC PROJECT**  
**FERC PROJECT NO. 2149**

| March 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington

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**DRAFT**  
**WELLS PROJECT 230 KV TRANSMISSION LINE**  
**AVIAN PROTECTION PLAN**

**WELLS HYDROELECTRIC PROJECT**

**FERC NO. 2149**

March, 2009

Prepared by:  
Public Utility District No. 1 of Douglas County  
East Wenatchee, Washington

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Email regarding FERC comments on Wildlife and Botanical Management Plan (WBMP) and Avian Protection Plan (APP)

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**Subject:** Wells Terrestrial meeting yesterday

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**From:** David Turner [mailto:David.Turner@ferc.gov]  
**Sent:** Tuesday, March 24, 2009 12:40 PM  
**To:** Scott Kreiter  
**Subject:** RE: Wells Terrestrial meeting yesterday

Scott,

I was ok with all the changes in the document you previously provided for comment. I have no comments on the avian protection plan.

David

---

**From:** Scott Kreiter [mailto:scottk@dcpud.org]  
**Sent:** Tuesday, March 24, 2009 2:42 PM  
**To:** David Turner  
**Subject:** Wells Terrestrial meeting yesterday

David,

Since you had to leave the meeting early yesterday, I wanted to follow-up to see if you had any additional comments on the Wildlife and Botanical Plan. I apologize for the slowness of the meeting.

Later today I'll be sending out the minutes and the revised plan. We didn't have time to get to the Avian Protection Plan, so we're taking written comments due by April 3.

Thanks.

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

## Email regarding Agenda for Cultural RWG Meeting

**From:** [Scott Kreiter](#)  
**To:** [Bob Clubb, Ph.D.](#); [Brent Martinez](#); [Camille Pleasants](#); [Chuck James](#);  
[David Turner](#); [Frank Winchell](#); [Glenn Hartmann \(glenn@crcwa.com\)](#);  
[Gordon Brett](#); [Guy Moura](#); [John Devine](#); [Karen Kelleher](#);  
[Margaret Berger \(margaret@crcwa.com\)](#); [Mary Mayo](#); [Richard Bailey](#);  
[Rob Whitlam](#); [Robert Easton](#); [Scott Kreiter](#); [Shane Bickford](#);  
[Timothy Bachelder](#);  
**Subject:** Wells Relicensing: Cultural Resources Work Group  
**Date:** Thursday, March 26, 2009 11:24:37 AM  
**Attachments:** [Cultural\\_Agenda\\_033009.pdf](#)

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## Wells Cultural Resources Work Group:

Please find attached the agenda for the “technical” work group meeting on March 30. The purpose of the meeting is to develop a single list of priority sites for monitoring/treatment.

Thank you.  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Agenda

## Cultural Resource Work Group

\*\*\*Technical Work Group Meeting\*\*\*

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 30, 2009  
9:00 am – 3:00 pm

**Meeting Location:** Nespelem, WA

**Conference Dial-in:** (509) 881-2990 PIN# 327831

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To prepare a single list of priority sites and recommended site actions and/or treatments.

<b>Time</b>	<b>Topic</b>	<b>Lead</b>
9:00 am	Review agenda	Scott Kreiter
9:15 am	Develop a Priority Sites List and proposed treatment measures for each priority site.	Group
2:00 pm	Monitoring protocols brainstorming	Group
2:45 am	Action items and next steps	Scott Kreiter
3:00 pm	Adjourn	Group

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Email regarding Final Terrestrial RWG Meeting Notes

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**From:** Scott Kreiter  
**Sent:** Wednesday, April 01, 2009 7:47 AM  
**To:** Beau Patterson; Bill Towey; Bob Clubb, Ph.D.; Bob Dach; Bob Easton; Brenda Crowell; Dan Trochta; Dave Volsen; David Turner; Dennis Beich; Dinah Demers; Gordon Brett; Jeff Korth; Jim McGee; John Devine; Karen Kelleher; Marc Hallett; Mary Hunt; Mary Mayo; Matt Monda; Patricia Leppert; Patrick Verhey; Scott Kreiter; Shane Bickford; Steve Lewis; Tony Eldred  
**Subject:** Wells Relicensing: Terrestrial Resources Work Group Meeting Notes  
**Attachments:** Terrestrial\_RWG\_Notes\_032309.pdf

Wells Project Terrestrial Resources Work Group:

Please find attached the final meeting notes from the March 23 meeting. No changes were made from the original draft.

As a reminder, comments to the Avian Protection Plan and the Wildlife and Botanical Management Plan are due April 3.

Thank you.  
-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

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**From:** Scott Kreiter  
**Sent:** Tuesday, March 24, 2009 3:02 PM  
**To:** Beau Patterson; Bill Towey; Bob Clubb, Ph.D.; Bob Dach; Bob Easton; Brenda Crowell; Dan Trochta; Dave Volsen; David Turner; Dennis Beich; Dinah Demers; Gordon Brett; Jeff Korth; Jim McGee; John Devine; Karen Kelleher; Marc Hallett; Mary Hunt; Mary Mayo; Matt Monda; Patricia Leppert; Patrick Verhey; Scott Kreiter; Shane Bickford; Steve Lewis; Tony Eldred  
**Subject:** Wells Relicensing: Terrestrial Resources Work Group Meeting Products

Wells Project Terrestrial Resources Work Group:

Please find attached the following documents from the March 23 meeting:

1. Draft Meeting Minutes: Please provide any comments on the minutes by March 31;
2. Draft Wildlife and Botanical Management Plan (WBMP), including changes made during the March 23 meeting;
3. Draft 230KV Transmission Corridor Avian Protection Plan (APP).

As discussed during the meeting, please provide any comments you may have to the APP or WBMP by April 3. Feel free to provide your comments to me by email, by phone, or by hard copy.

Thank you.



# Final Meeting Notes

## Terrestrial Resource Work Group

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 23, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** Discuss the revised Wildlife and Botanical Management Plan and the Avian Protection Plan

### Wildlife and Botanical Management Plan

Douglas PUD (Jim McGee) walked through the draft Wildlife and Botanical Management Plan (WBMP). The following recommendations were made during the discussion.

1. Global change on terms defining the Wells Project (e.g. Wells Project, Wells Reservoir, Wells pool, Wells Project Boundary, etc.).
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Due to time limitations, the Terrestrial Resources Work Group (TRWG) agreed to provide written comments on the APP. Comments are due to Scott Kreiter by April 3.

Prior to sending the APP to the TRWG, Jim McGee will add a section stating that in the event that the segment of transmission line crossing the Columbia River is replaced, or other maintenance allows, bird flight diverters may be installed.

### Action Items

- Douglas PUD will email the revised WBMP and APP to the TRWG. Any additional comments should be sent to Scott Kreiter by April 3.

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## Email regarding Draft Cultural RWG Meeting Notes

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**From:** Scott Kreiter  
**Sent:** Friday, April 03, 2009 9:58 AM  
**To:** Bob Clubb; Brent Martinez; Camille Pleasants; Chuck James; David Turner; Frank Winchell; Glenn Hartmann (glenn@crcwa.com); Gordon Brett; Guy Moura; John Devine; Karen Kelleher; Margaret Berger (margaret@crcwa.com); Mary Mayo; Richard Bailey; Rob Whitlam; Robert Easton; Scott Kreiter; Shane Bickford; Timothy Bachelder  
**Subject:** Wells Relicensing: Cultural RWG Meeting Notes  
**Attachments:** Wells\_Cultural\_RWG\_Notes\_033009.pdf

Wells Relicensing Cultural Resources Work Group:

Please find attached the draft meeting notes from the March 30 “technical” meeting. The meeting was very productive.

Please provide your comments on the meeting notes by April 10.

Have a good weekend.

-Scott

Scott Kreiter  
Douglas County PUD  
509-881-2327

# Draft Meeting Notes

## Cultural Resource Work Group

\*\*\*Technical Work Group Meeting\*\*\*

Wells Hydroelectric Project Relicensing  
Douglas County PUD  
March 30, 2009

**Meeting Coordinator:** Scott Kreiter (509) 881-2327

**Meeting Objective:** To prepare a single list of priority sites and recommended actions and/or treatments.

The March 30, 2009 Cultural Resources Work Group (CRWG) was a “technical sub-group” meeting to review sites recommended as priority for management, and develop preliminary management recommendations for each of the priority sites. The meeting was attended by Guy Moura (CCT), Brent Martinez (CCT), Rob Whitlam (DAHP), Glenn Hartmann (Cultural Resources Consultants), and Scott Kreiter (Douglas PUD).

The CRWG reviewed survey information, maps, site forms, and photographs in order to develop recommendations for each site. Action items from the meeting are below:

- Management recommendations will be summarized in a table of priority sites that will be part of the monitoring component of the Historic Properties Management Plan;
- Develop a master list of burials and suspected burials to be included on the monitoring list and as an independent list in the monitoring plan;
- Develop a monitoring fiddle matrix or “threshold for recovery matrix”;
- Follow up on potential landowner encroachment issues at several sites;
- Summarize past investigations at site OK69;
- Schedule a field visit to examine group of Okanogan River sites;
- Revise the HPMP Monitoring Protocol and distribute to the CRWG.

### Next Meeting

The next meeting will be scheduled for early May.

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## WDFW comments on Transmission Line APP and WBMP

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**Subject:** FW: Dave Volson's Comments on the Transmission Line APP and WBMP

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**From:** Jim McGee

**Sent:** Friday, April 03, 2009 2:21 PM

**To:** Scott Kreiter; Shane Bickford; Beau Patterson

**Subject:** Dave Volson's Comments on the Transmission Line APP and WBMP

This email documents Dave Volson's Comments on the Transmission Line APP and WBMP.

Transmission Line APP.

Page 1

- Nest Management Protocol: A nest management protocol will be developed in compliance with Federal and State bird protection laws; (**What is your timeline on developing this protocol?**)
- Changed to - Nest Management Protocol: **Within two years of receiving a license**, a nest management protocol will be developed in compliance with Federal and State bird protection laws;

Page 6

- The topography of these two slopes reduces the chance that migrating birds may collide with the lines, but **young** raptors **soaring and** hunting along the slopes may be **more** vulnerable. **Accepted change**

Page 9

- Not a comment, just a note: Active nests will not be removed from the Wells 230 kV transmission line between February 1 and August 31 without prior approval from USFWS and WDFW. Is there any reason not to have these date ranges the same? **Beau and I discussed this comment and decided there is purpose in keeping the language as written. The date ranges are actually the same, but are differently stated: nests will **not** be removed between Feb 1 and Aug 31 **without...** trees **will only** be removed between August 31 and January 31. The first speaks to a regulatory prohibition with which we will abide by **not** acting during the nesting season, the second is implementation of a BMP where we **will** act outside the nesting season.**

WBMP

Page 11

- Sharp-tailed grouse are not **currently** found within the Wells Project including the transmission corridor (Parametrix 2009). Sharp-tailed grouse in Douglas County are found in shrub steppe and riparian areas at higher elevation, except during hard winters when snow depth and crusting snow forces them to lower elevations. **Currently added**

Page 14

- There is no known Project **adverse** effect on sharp-tailed grouse. Removed **adverse**.

Jim McGee