Item 101

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 48

Date of Contact: 5/6/2005

Contact Information

Name: John Ferrell

Affiliation: U.S. National Archives and Records Administration, Sandpoint

Title: Archivist

Discipline: Historian

Phone Number: (206) 336-5115

Email Address: seattle.archives@nara.gov

Contacted By Information

Name: Nichole Gillis

Affiliation: LAAS

Phone Number: (253) 858-1411

Email Address: ngillis.laas@attglobal.net

Reason for Contact:
To obtain cultural resource documents pertinent to the Boundary Dam Project Relicensing effort, not previously abstracted. NARA may have USACOE documents related to the Boundary Dam Project.

Information Provided:

Information Obtained: NARA has a couple of USACOE documents pertaining to the Boundary Dam Project. They also have a few documents, including photographs, related to the Pend Orielle River and project vicinity.

I obtained and scanned all documents in the USACOE files that pertain to the Boundary Dam Project.

Follow-up Action Needed:

Comments: John is going to ask around to see if there would be anything there that is relevant (5/6/05). He will call me back.

As of 5/11/05, John did not call me back. I left another message on his voicemail 5/11/05.

John returned my call on 5/11/05. I made an appointment to look at documents on 5/16/05, 8:00 am.

I obtained USACOE documents related to the Boundary Dam Project through visits to the archives on 5/16/05 and on 5/19/05.

Item 102

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 49 **Date of Contact:** 5/6/2005

Contact Information

Name: Susan Case
Affiliation: Pend Oreille Phone Company
Title:
Discipline:
Phone Number: (253) 858-1411
Email Address: info@potc.net

Contacted By Information

Name: Nichole Gillis
Affiliation: LAAS
Phone Number: (253) 858-1411
Email Address: ngillis.laas@attglobal.net

Reason for Contact: Obtain Archaeological Surveys within or related to the Boundary Dam Project area.

Information Provided:

Information Obtained:

Follow-up Action Needed:

Comments: All Cultural Resources Surveys, including an archaeological survey by the phone company, were collected at the Office of Archaeology and Historic Preservation.

I left messages at local office and at corporate office for Susan Case, whom I was told deals with such inquiries, on 5/6/05 and 5/10/05. My phone calls were not returned.

Item 103

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 50 **Date of Contact:** 5/6/2005

Contact Information

Name: Joy Werlink
Affiliation: Washington State Historical Society Research Center
Title: Manuscript Specialist, Archivist
Discipline: Librarian
Phone Number: (253) 798-5914
Email Address: jwerlink@wshs.wa.gov

Contacted By Information

Name: Nichole Gillis
Affiliation: LAAS
Phone Number: (253) 858-1411
Email Address: ngillis.laas@attglobal.net

Reason for Contact: To obtain pertinent cultural resources documents related to the Boundary Project document collection effort. Relevant documents may include local histories and photographs.

Information Provided:

Information Obtained: Joy says there is very little information that would pertain to the Boundary Dam Project area or Pend Oreille County. She did a photo search and there may be three or four total photos in Pend Oreille County. Also, any historic information they have would be very general.

Follow-up Action Needed:

Comments: If we would like to make an appointment, it would need to be on Tuesday, Wednesday, or Thursday afternoons from 12:30 to 4:30. An appointment can be made by phone or through their website: www.washingtonhistory.org, and there is a link to the research center, and another link to make a request or an appointment. Joy suggested we contact the Seattle Municipal Archives for Boundary Dam Project information.

Item 104

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 51 **Date of Contact:** 5/6/2005

Contact Information

Name:
Affiliation: General Land Office
Title: Administrative Assistant
Discipline: Administration
Phone Number: (360) 902-1190
Email Address:

Contacted By Information

Name: Nichole Gillis
Affiliation: LAAS
Phone Number: (253) 858-1411
Email Address: ngillis.laas@attglobal.net

Reason for Contact: GLO survey maps and survey notes.

Information Provided:

Information Obtained: GLO notes from sections pertinent to the Boundary Project may cost upwards of $300 dollars. I have contacted Alan Olson (via email 5/17/05) asking how to proceed.

Follow-up Action Needed:

Comments: I have contacted Alan Olson (via email 5/17/05) asking how to proceed.

LAAS has an in-house copy of Township 39 N Range 43 E. We need to obtain information from pertinent sections in Townships 38 and 40 North (below).

T40 N, R 43 E
Sections:
o□1
o□2
o□3
o□4
o□9
o□10
o□11
o□12
o□13
o□14
o□15
o□16
o□21

o□22
o□23
o□24
o□25
o□26
o□27
o□28
o□33
o□34
o□35
o□36

T38N, R43E
Sections:
o□3
o□4
o□5
o□6
o□7
o□8
o□9
o□16
o□17
o□18
o□19
o□20
o□21

Item 105

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 53 **Date of Contact:** 5/6/2005

Contact Information

Name: Ogmundson, John and Steve Kramer
Affiliation: Colville National Forest
Title: Archaeologist/Forest Archaeologist
Discipline: Archaeology
Phone Number: (509) 684-7251
Email Address: skramer@fs.fed.us

Contacted By Information

Name: Nichole Gillis
Affiliation: LAAS
Phone Number: (253) 858-1411
Email Address: ngillis.laas@attglobal.net

Reason for Contact: Updated information: site forms and cultural resources reports completed since 1996.

Information Provided:

Information Obtained: John O. says that new sites have been recorded since the last time we were there.

Author: John Ogmundson
Year: 1997
Title: Cultural Resource Report Warner Bros. Film Sites, CRM #5-135
Source: Colville National Forest, Sullivan Lake Ranger District

Author: John Ogmundson
Year: 1998
Title: Cultural Resource Report Z Slumber Timber Sale, CRM #5-146
Source: Colville National Forest, Sullivan Lake Ranger District

Author: John Ogmundson
Year: 2002
Title: Cultural Resource Report BPA Boundary Substation Helicopter Landing Site, CRM #R200206215004
Source: Colville National Forest, Sullivan Lake Ranger District
>
Of these, Z Slumber records 4 or 5 sites within half a mile of the River. No cultural sites for either of the other reports.

Since 2002, cultural resource reports, and most of the people who research and write them belong to the Supervisor's Office in Colville, under the domain of the Forest Archaeologist, Steve Kramer. He may have updates that John does not have.

John only came up with one other reference to add to your bibliography:
Author: Pend Oreille Historical Society
Title: The Big Smoke (2003)
Source: Pend Oreille County Historical Society
Year: 2003(look for the "Bill Buffington" article).

John said it may be a few more days before he can copy the documents (6/1/05). It will realistically be even longer than that before he can prepare maps & a description of the mining-related sites that are lying out there, along the river, unrecorded. His impression is that it could be somewhere between a long time and forever before the Forest Service gets around to recording any of these sites

Steve Kramer says that they are setting up a process to collect documents for the project, but they first need to set up a confidentiality agreement (speaking of confidentiality of the documents themselves). He says that the Colville National Forest cannot provide any documents to the project without such an agreement. He said that the only documents produced in the past four years would be an AHS report on State Route 31, Kalispel Indian Cultural History written by Ethnoscience out of Billings, Montana for the Department of Natural Resources has good ethnographic information and bibliography, a report by Lyons that evaluates the history and prehistory of the project area, and Archaeological Investigations at Sullivan Lake. He says these should be at the OAHP.

Follow-up Action Needed: Steve Kramer thinks we should contact Rich Bailey with the BLM. The Big Smoke (2003) should be obtained through the Pend Oreille Historical Society. Obtain copies of documents from John and abstract them.

Comments: Number for Ogmudson: 509-446-7542

I obtained cultural resources documents mentioned by Steve at OAHP.I obtained cultural resources documents mentioned by Steve at OAHP. John sent the above listed materials, received on 6/20/05.

The Big Smoke (2003) was obtained from the Pend Oreille Historical Society.

Item 106

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 54

Date of Contact: 5/6/2005

Contact Information

Name: Evelyn Reed and Faith

Affiliation: Pend Oreille Historical Society

Title: Research Assistant

Discipline: Research

Phone Number: (509) 447-5388

Email Address: faith@povn.com

Contacted By Information

Name: Nichole Gillis

Affiliation: LAAS

Phone Number: (253) 858-1411

Email Address: ngillis.laas@attglobal.net

Reason for Contact: To obtain documents pertaining to cultural resources in the vicinity of Boundary Dam, that were not previously collected. I also need to obtain documents from the 1996 effort that were abstracted but not copied.

Information Provided:

Information Obtained: Faith indicated that she was able to locate all of the documents previously abstracted, but not copied.

Faith sent the missing documents that were previously abstracted. She also sent issues of The Big Smoke (1996-2004).

Follow-up Action Needed:

Comments:

Item 107

Contact made by Michele Lynn:

Jim Harris, State Parks, 5/6/05

I called Jim to introduce myself and see if he plans to be involved in the relicensing proceedings. Jim had talked with Sergio Capozzi (EDAW) and preliminarily discussed our project (Sergio had called with a request for information). In Eastern WA, Jim and Jim Eychaner (IAC) have co-teamed to represent WA on recreation potential. In this case, State Parks doesn't see it has a direct interest in facility management in this geographic area. Jim wants to review Parks' current facilities and potential for PMEs. No need for tour of dam/project area. Doesn't plan to attend ILP process workshop. When we start workgroups, Jim will attempt to attend and will then decide how involved he will get. Even if Jim decides there is no formal role for State Parks, he knows they have a lot of expertise in "recreation potential" and should choose to use that knowledge to benefit the citizens of the state.

Item 108

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 1 **Date of Contact:** 5/9/2005

Contact Information

Name: Doug Robison
Affiliation: WDFW
Title:
Discipline:
Phone Number: (509) 536-2012
Email Address: robisdlr@dfw.wa.gov

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Obtain WDFW information.

Information Provided: List of documents already acquired. List of information desired.

Information Obtained:

Follow-up Action Needed: Status of information being gathered by Doug.

Comments: This is a follow-up to a meeting by Michele Lynn, Ron Tressler, and Chuck Everett on April 13.

Item 109

Michele Lynn - RE: SEATTLE CITY LIGHT BOUNDARY DAM RELICENSING UPDATE Page 1

From: Barbara Greene
To: "fkrause@tnc.org".SEAGOV1.RES04
Date: 5/9/2005 9:17:31 AM
Subject: RE: SEATTLE CITY LIGHT BOUNDARY DAM RELICENSING UPDATE

Thank you Fayette. I believe we have obtained a copy of this report through the first phase of our relicensing effort, the gathering of existing information. While it is too early to determine whether purchasing mitigation lands will be part of the overall mitigation effort, we welcome your participation in the process.

Barbara

Barbara Greene
Boundary Relicensing Team Lead
Seattle City Light
206.615.1091
barbara.greene@seattle.gov

>>> "Fayette Krause" <fkrause@tnc.org> 5/6/2005 11:04:04 AM >>>
The Nature Conservancy, with a number of partners, including the WA Dept. of Fish & Wildlife, has completed an Ecoregional Assessment of lands found within your project area. If Seattle City Light and other intervenors determine that purchase of mitigation lands within the project area is an appropriate component for relicensing of the Boundary Dam, we would be pleased to share our information.

Please feel free to contact me at 343-4344 if this is of interest.

Fayette F. Krause

-----Original Message-----
From: Barbara Greene [mailto:barbara.greene@Seattle.Gov]
Sent: Friday, May 06, 2005 10:01 AM
To: maryv@aimcomm.com; arnw@amrivers.org; bswift@amrivers.org; power.records@bchydro.bc.ca; gary.birch@bchydro.com; machtolfpa@bowater.com; tnturner@comcast.net; ssorby@coopext.cahe.wsu.edu; ccrifc@cyberlink.bc.ca; thepoint@direcway.com; daniel.millar@ec.gc.ca; Diana Sieh; maureen.dehaan@hydro.bc.ca; susanh@msn.com; jking@nwcouncil.org; shorton@nwcouncil.org; tgrover@nwcouncil.org; don@pocd.org; jonley@popud.com; mcauchy@popud.com; faith@povn.com; snorquist@povn.com; sparky@povn.com; okeefe@riversandcreeks.com; gerry@streamkeepers.bc.ca; bill.duncan@teckcominco.com; dave.godlewski@teckcominco.com; Kevin.Kinsella@teckcominco.com; fkrause@tnc.org; kurt@washingtontrout.org; janereedhome@yahoo.com
Cc: sdpadula@aol.com; andersen991@comcast.net; David.Turner@ferc.gov; Finlay_Anderson@longviewassociates.com; kdemsey@longviewassociates.com; Al Solonsky; Barbara Greene; Christine Pratt; Doug Rough; John Armstrong; Kim Pate; Lisa Rennie; Michele Lynn
Subject: SEATTLE CITY LIGHT BOUNDARY DAM RELICENSING UPDATE

GENERAL UPDATE
Seattle City Light continues to make progress on the relicensing of

Item 110

Contact made by Michele Lynn:

Jim Eychaner, IAC, 5/9/05

I called to introduce myself and let Jim know that we were getting started on outreach for our relicensing process. Also, I said our consultant would be calling him to see if he has relevant info. pertaining to our project. Jim said he encourages licensees to resource-specific tours of the project area. Jim wrote the SCORP for the State. He said he is interested in finding solutions, not holding utilities hostage. Jim has worked on many relicensing projects – Cowlitz, Lewis River, Baker, Rocky Reach, Priest-Wanapum, Spokane River. I told Jim that we had hired EDAW to assist us with recreation/land use-related issues. He thinks very highly of EDAW – especially Chuck Everett – and thinks we made a good choice. Jim plans to attend the June 16 tour.

Item 111

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 26 **Date of Contact:** 5/11/2005

Contact Information

Name: Joe Kelly
Affiliation: Bureau of Land Management
Title: Fisheries Biologist
Discipline:
Phone Number: (509) 665-2100
Email Address: joe_kelly@blm.gov

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Obtain information concerning streams on BLM lands adjacent to Boundary Project.

Information Provided:

Information Obtained: Joe indicated that the BLM did not have much information on these streams and he did not seem terribly familiar with them. He said the BLM manages relatively few parcels in the area and access is difficult. There is a small amount of grazing, forestry, and dispersed camping. He suggested the USFS would be a better source of information. He did mention that there is clean-up of the Josephine Mine site near Flume Creek. He recommended that I contact Jake Jakobofsky of the BLM for more information (509) 536-1221.

Follow-up Action Needed: Activities at Josephine Mine clean-up.

Comments:

Item 112

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 44 **Date of Contact:** 5/11/2005

Contact Information

Name: Karen Marshall
Affiliation: City/County Spokane Historic Preservation Office
Title: Assistant to the Director
Discipline: Clerical
Phone Number: (509) 625-6983
Email Address: kmarshall@spokanecity.org

Contacted By Information

Name: Nichole Gillis
Affiliation: LAAS
Phone Number: (253) 858-1411
Email Address: ngillis.laas@attglobal.net

Reason for Contact: To obtain documents pertinent to cultural resources in the Boundary Dam Project area, or related to the Boundary Project.

Information Provided:

Information Obtained: The administrative assistant relayed that the state [OAHP] carries all of the Spokane Historic Preservation Office documentation, and the office would not possess any documents pertinent to the data collection effort. Also, because Boundary Dan is in a different county, the documents the state has of theirs would not pertain to the project.

Follow-up Action Needed:

Comments: I collected all documents related to the project area at the OAHP.

Phone contact: voicemail 5/6/05; spoke to Spokane Historic Preservation Office
Representative, 5/11/05.

Item 113

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 33 **Date of Contact:** 5/16/2005

Contact Information

Name: Bill Freeman
Affiliation: Columbia Power Corporation
Title: Vice President
Discipline: Water Quality
Phone Number: (250) 387-0243
Email Address: Bill.Freeman@Columbiapower

Contacted By Information

Name: Peter Christensen
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: pchristensen@r2usa.com

Reason for Contact: To request any studies, data, or reports that Columbia Power Corporation (CPC) might have concerning water quality on the Lower Pend Oreille River relative to the presence and operation of Boundary Dam. CPC has applied to the Canadian government to expand the hydroelectric production at Waneta Dam.

Information Provided: Dissolved gas is the big water quality issue. Relevant reports:

"Total Dissolved Gas Pressure (TGP) Monitoring at Wanteta Dam - 2004 Investigations" - Bill will see if he can get us a copy.

"Ambient Water Quality Assessment and Objectives for the Lower Columbia River Birchbank to the US Border" - Provided an on-line link to the report.

Other people worth contacting:
Llewellyn Matthews (CPC Director of Environmental Affairs)

Bruce Duncan (CPC Water Use Planning)

Robyn Roome with BC Ministry of Water Land and Air Protection in Nelson, BC

Andrea Ryan with Environment Canada in Vancouver

Bill Duncan with Teck Cominco

Information Obtained:

Follow-up Action Needed: Written Request for Information

Comments: I explained to Bill that R2 has been contracted as a subconsultant on a team assisting SCL with the relicensing of the Boundary Project. This is a six-year process that is just beginning, and one of the first requirements is the gathering

of existing information. This includes contacting stakeholders, including agencies and other water users on the river, to see if they have any pertinent information that they would like to get into the process. I have been asked to contact CPC relative to water quality information on the Lower Pend Oreille River.

Bill said that the major water quality issue relative to Boundary Dam is total dissolve gas pressure (TGP). They have a few reports on this subject and he will see if he can provide us a copy.

He also mentioned a point of contention CPC has with SCL. Bill believes that SCL stopped providing river flow and operations data to BC Hydro in 1995. This has forced CPC to use 10-year-old and older data as input to their flow and operations model as part of their application for a proposed expansion powerhouse at Waneta Dam. He noted that BC Hydro currently has a claim against the US (or possibly directly against SCL I never quite got that straight) concerning their belief that Boundary does not contact the downstream projects about sudden changes in flows.

Bill suggested that I also contact Llewellyn Matthews (CPC Director of Environmental Affairs) at their office in Castlegar, and recommended that SCL and R2 visit with Llewellyn in Castlegar the next time we are in the area with SCL. He also mentioned that the person at CPC with the most knowledge about water use planning on the Pend Oreille is Bruce Duncan, at their head office Victoria.

Bill then connected us in with Llewellyn Matthews and the remainder of the call involved all three of us. Llewellyn agreed that the big issue is TGP. However, he pointed out that Canadian Department of Fisheries and Oceans (DFO) believes that the peaking operations of Boundary Dam would be detrimental to the white sturgeon habitat at the mouth of the river if it was allowed to continue downstream. Therefore, the Seven-Mile and Waneta Projects are forced by Canadian law to reregulate the flows in the river and that this represents a cost to their projects.

Llewellyn noted that a good contact at BC Hydro would be Gary Birch. He is involved with the water use plan on the river. He also suggested Robyn Roome with BC Ministry of Water Land and Air Protection in Nelson BC, Andrea Ryan with Environment Canada in Vancouver, and Bill Duncan with Teck Cominco. Finally, he added that if we were to look into the water use plan we should ask what citizen groups were also involved with it.

Bill said that their best information concerning current and past TGP monitoring would be in a report produced for them by Golder Associates titled "Total Dissolved Gas Pressure (TGP) Monitoring at Waneta Dam - 2004 Investigations". He will try to get a copy for us. However, he requested that SCL or their consultants (in a follow-up email this request was changed to just SCL) put together a written request for the information, either in a letter or

email.

Bill noted that Avista has recently gone out for proposals for the design of a 30 to 40 million dollar project to reduce dissolved gas at the Cabinet Gorge project and he has been looking at the amount of predicted reduction in TGP. He is using that as a basis for economic benefit of the Waneta Expansion Project associated with its ability to reduce TGP levels. I told him that when I was at Duke Engineering, I personally performed those estimates of predicted TGP (referred to as TDG in the U.S.) reductions associated with the proposed modifications.

Finally, Bill mentioned that one of the significant costs associated with the Waneta Expansion Project is that they will be dredging the sediments behind Waneta Dam because their information suggests the sediments are contaminated with heavy metals. He suspects that they are the result of domestic Canadian past mining operations, but it is possible that they came downstream from the U.S. He asked if SCL was proposing to investigate and/or dredge the sediments at Boundary Dam. I said that as far as I am aware that has not yet been decided.

[Note: After the phone call Llewellyn emailed a link to a report by the BC Ministry of Environment lands and Parks titled "Ambient Water Quality Assessment and Objectives for the Lower Columbia River Birchbank to the US Border".]

Item 114

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 27 **Date of Contact:** 5/18/2005

Contact Information

Name: Jake Jacobofsky
Affiliation: Bureau of Land Management
Title:
Discipline:
Phone Number: (509) 536-1221
Email Address:

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Discussion potential clean-up at Josephine Mine.

Information Provided:

Information Obtained: Josephine Mill #2 is located near the mouth of Flume Creek. The associated mine was shut down during the 50s with the mill shutting down in the 60s. Mine tailings, raw ore, and waste rock piles are present. There is also some contaminated wood fiber filtering media that was used in the processing of ore. Some of tailings and waste rock are on a steep slope that washes into Flume Creek during high flow events. Toxic substances include lead, zinc, zinc sulfate, sodium hydroxide, and cadmium. The extent of toxic substances in Flume Creek and the reservoir are unknown. The EPA and BLM are looking into the need for a clean-up and trying to identify principle responsible parties. Jake said he would send me a BLM site inspection report when it is completed. An engineering evaluation analysis/report is to be prepared later in the summer.

Follow-up Action Needed:

Comments:

Item 115

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 31

Date of Contact: 5/19/2005

Contact Information

Name: Glenn Koehn
Affiliation: Colville National Forest
Title: Lands & Hydropower Coordinator
Discipline:
Phone Number: (509) 684-7189
Email Address: gkoehn@fs.fed.us

Contacted By Information

Name: A. Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Obtain missing documents from the 1998 review.

Information Provided: List of missing documents

Information Obtained:

Follow-up Action Needed:

Comments: Request sent by email.

Item 116

Michele Lynn - Re: Additional Boundary Documents Request Page 1

From: Glenn Koehn <gkoehn@fs.fed.us>
To: "Alan Olson" <aolson@r2usa.com>
Date: 5/20/2005 2:54:01 PM
Subject: Re: Additional Boundary Documents Request

Alan - We will see what we have. For cultural resources there are certain items that we cannot provide (site records) because the information is protected. There will need to be an agreement formalized between FS and SCL before we can release that information.

Regards, Glenn

J. Glenn Koehn
Hydropower Coordinator and
Lands/Minerals Program Mgr.
(509) 684-7189
FAX (509) 684-7280
gkoehn@fs.fed.us

"Alan Olson"
<aolson@r2usa.com
>
05/19/2005 12:50
PM

To
<gkoehn@fs.fed.us>

cc

Subject
Additional Boundary Documents
Request

Glenn-

There are a number of documents that were reviewed during 1997 and 1998 that are not currently present in our library. Somehow over the intervening years they have gone AWOL, or perhaps were reviewed at your offices. Anyhow, could you check with your resource specialists to see if these documents are available and could be copied and sent to me for our project library? Most of them are related to Cultural Resources, but one

is related to a botanical survey and one is related to wildlife.

Please call or email if you have any questions.

Thanks to you and your staff for all the help provided to date.

Alan

(Embedded image moved to file: pic05377.jpg)

Alan F. Olson
Fisheries Scientist
R2 Resource Consultants, Inc.
15250 NE 95th Street
Redmond, Washington 98052-2518
Phone: (425) 556-1288
FAX: (425) 556-1290
email: aolson@r2usa.com(See attached file: USFS Additional Doc Request.pdf)

CC: <michele.lynn@seattle.gov>

Item 117

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 41 **Date of Contact:** 5/23/2005

Contact Information

Name: Joe Maroney
Affiliation: Kalispel Natural Resources Department
Title: Fisheries Manager
Discipline: Fisheries
Phone Number: (509) 445-1147
Email Address: jmaroney@knrd.org

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Contacted to follow-up on earlier telephone conversation.

Information Provided: See attached email above.

Information Obtained: Links to two documents on BPA site. Only the Maroney et al. document appears to be available and it was downloaded.

Follow-up Action Needed: Need to call Joe to see if there is any additional information available.

Comments:

Item 118

From: "Ron Tressler" <TresslerR@edaw.com>
To: "Chuck Everett" <EverettCA@edaw.com>, "Colleen McShane" <McShaneC@edaw.com>, <aolson@r2usa.com>, <Michele.Lynn@Seattle.Gov>
Date: 5/26/2005 11:08:45 AM
Subject: Fwd: Re: Seattle City Light--Boundary Hydroelectric Project Data

Response from Kathy Helm at BLM regarding our data request.

Ron

>>> <Kathy_Helm@or.blm.gov> 5/26/2005 10:17:05 AM >>>

Ron,
I did receive your earlier email with a list of information you would like
to have, but have not yet determined BLM's involvement in the project. I'm
coordinating with staff to get parameters on that and will be in touch. I
have a meeting mid-June regarding this, but hope to have some response for
you prior to that.

Have a nice Memorial weekend.....

Kathy Helm
District Planning & Environmental Coordinator
Bureau of Land Management-Spokane District
1103 N. Fancher, Spokane, WA 99212
Phone: (509) 536-1252
FAX: (509) 536-1275

CC: "Richard Dwerlkotte" <DwerlkotteR@edaw.com>

Item 119

United States Department of Agriculture | Forest Service | Colville National Forest | Federal Building
765 South Main
Colville, WA 99114
509-684-7000
Fax: 509-684-7280

File Code: 2770
Date: May 27, 2005

Michele Lynn
Senior Environmental Analyst
Seattle City Light
700 Fifth Avenue, Suite 3300
Seattle, WA 98104

RE: Boundary Hydroelectric Project, Information Request

Dear Ms. Lynn:

As previously discussed between yourself and Glenn Koehn, Forest Hydropower Coordinator, enclosed are the following documents:

1. Listing(s) of information provided to Seattle City Light per your initial information request and visit on April 12, 2005, and
2. Additional information being provided per the follow-up request made by your consultant R2 Resource Consultants.

I would like to draw your attention to certain requested cultural resource documents that the Forest Service cannot provide because of their sensitive nature. Documents that reveal locations of heritage properties cannot be provided unless a formal agreement exists between the Forest Service and Seattle City Light whereby the confidentiality of this information can be guaranteed. If Seattle City Light is interested in entering into such an agreement please contact Glenn to work out the details.

I am hopeful that you have been able to gather all of the information and data you needed. My staff and I are here to assist your efforts to the extent that we can. If you have any questions or need additional information please contact Glenn at 509-684-7189 or by e-mail at gkoehn@fs.fed.us.

Sincerely,

(for)

RICK BRAZELL
Forest Supervisor

Enclosures
cc: Walt Dortch, USFS

Boundary Hydroelectric Project
FERC Project No. 2144

May 26, 2005

References provided to Seattle City Light based on May 19, 2005 e-mail request from R2 Resource Consultants.

Terrestrial

Burke, T. 1976. Reptiles and Amphibians of the Colville National Forest. Colville National Forest.

Althauser, Nick and Sheryl. 1979. A summary of searches for rare, threatened, and endangered plant taxa for the Colville National Forest. Colville National Forest.

Recreation

Runyan Associates. 2005. Pend Oreille Valley Tourism Marketing and Development Assessment. Prepared for Tri-County Economic Development District, Newport, Washington. Portland, Oregon.

Cultural Resources

Higginbotham, Fred. 1983. Lehigh Cement Company Temporary Road Cultural Resource Reconnaissance Report. Colville National Forest, Sullivan Lake District.

Mason, Andrew C. 1988. Cultural Resource Report Arden Tree Farms Land Exchange. Colville National Forest, Sullivan Lake District.

Miller, Penny. 1991. Exposure/Snyder Timber Sale. Colville National Forest, Sullivan Lake District.

Ogmundson, John. 1988. Top-of-Cement Timber Sale USDA Forest Service/Washington State Historic Preservation Office. Cultural Resource Reconnaissance Report. Forest Service/OAHP.

Ogmundson, John. 1996. Cominco Test Drilling CRM #5-125. Colville National Forest.

Ogmundson, John. 1992. Del Norte Salvage Timber Sale. Colville National Forest.

Ogmundson, John. 1994. Flume Mountain Wildlife Burn, CRM #5-114. Colville National Forest.

Ogmundson, John. 1995. Cultural Resource Reconnaissance Report for Precommmercial Thinning 1995. Colville National Forest.

Ogmundson, John. 1981. Pocahontas Timber Sale Cultural Resource Inventory. Colville National Forest, Sullivan Lake District.

Boundary Hydroelectric Project
FERC Project No. 2144

May 26, 2005

References provided to Seattle City Light/R2/EDAW based on April 12, 2005 request and site visit.

Terrestrial

For each species or subject, materials provided to SCL are either paper copies or contents of a CD

Townsend's Big-eared Bat

- Paper copies
  - Geology, Ore Deposits, Metaline Zinc-Lead District, Pend Oreille County, Washington pg 69-104 (Potential Bat Habitat on NFS lands)
  - Metalline Falls Area – Caves Explored – Ben Tompkins, Cascade Grotto of the National Speleological Society (Cave location, directions and maps)
- CD
  - 05 winter review
  - Bat survey database
  - Bat press release
  - Caves mines summary 1.21.05
  - Gardner Cave
  - Almack message
  - Gardner cave pictures
  - Gardner cave
  - Gardner cave map

Peregrine Falcon

- Paper copies
  - Analysis of Potential Peregrine Falcon Nest Sites on the Colville National Forest, Joel Pagel. March 21, 1993.
  - Washington Department of Fish and Wildlife, wildlife observation forms (4 in 2003)
- CD
  - 2003 WDFW peregrine report

Bald Eagle

- Paper copies
  - Management Guidelines Oregon-Washington (USFWS)
  - Bald Eagle Perch-sites in Eastern Washington, Fielder P.C. and R.G. Starkey. Northwest Science, Vol. 60, No. 3, 1986
  - 1980 Bald Eagle Midwinter Survey Field Form (7 forms dated 1/11/80, 1/12/81, 1/19/82, 2/18/1983, 12/31/1990, 1/31/1991 & 1992)
  - Sand Creek Bald Eagle Territory (WDFW map)
  - Washington Department of Fish and Wildlife, wildlife observation forms (2 in 2000)

Boundary Hydroelectric Project
FERC Project No. 2144

- Grizzly Selk-Sun article

Herptiles
- DNR herptiles report
- Herptile database

TES List
- 1.24.05 TES List

Recreation

Materials provided were paper copies

Monument Bar Campground (blueprint, proposed 1967 site plan with 8 campsites, boat ramp, day use/swim area, and Harvey's Cabin restoration, CI=40 ft) – USFS

Boundary Reservoir Recreation Area Plan (BRRAP), 1965 – USFS and City of Seattle, Dept. of Lighting (on loan from USFS, needs to be copied and returned)

Sullivan Lake Study (circa 1975, a recreation analysis with site and area analysis, recreation carrying capacity, and design and management recommendations) – USFS (CNF said they want SCL to do this for their lands during this relicensing)

The Recreation Agenda – USFS pamphlet (2000)

Regional Recreation Focus, Pacific Northwest Region – USFS pamphlet (2001)

Visitor Capacity on Public Lands and Waters, Making Better Decisions – NRPA (2002)

Colville National Forest Recreation Niche (Draft 11/26/04), part of their program planning effort – USFS internal planning document

International Selkirk Loop Travel Information and Vacation Planning - a printout from www.selkirkloop.org

Vacationland: The Official Visitors' Guide to Okanogan Country – a printout from www.okanoganvacation.com/vacation/intdiscloop.shtml

The Forgotten Corner (North Pend Oreille Scenic Byway) – a printout from www.povn.com/byway/

North Pend Oreille Scenic Byway, Experience Washington – The Official Site of Washington State Tourism – a printout from www.experiencewashington.com

Item 120

Contact made by Michele Lynn:

Glenn Koehn, USFS, 5/27/05

- Glenn wants to keep all contact going through him, until we get going on resource-specific work.
- Almost all GIS info USFS has is on their website
- SCL has Special Use Permit from USFS – covers inventory, etc. type of work. Was put together when Al put fish trap in Slate Creek. USFS has been thinking about putting together a general operating plan for the upcoming relicensing work we'll be doing.
- BLM/USFS – still in a dialogue about whether USFS will represent BLM at the table. No new news.
- Will send info. out next week in response to our data requests.

Item 121

Contact made by Michele Lynn:

Kathy Helm, BLM, 5/27/05

I called Kathy to ask when BLM would be sending the resource data we requested.
Rosie Mazaika – FERC's lead in State office – Rosie wants to coordinate the district's approach to the several relicensing proceedings going on in the district. Kathy is scheduled to meet with Rosie on June 16. I said I'd call her after that.

Item 122

DATE: May 31, 2005

TO: Consultation File

FROM: Christine Pratt

SUBJECT: Phone Call Record - Jake Jacobosky-BLM – Flume Creek Property Ownership

I called Jake regarding his inquiry of SCL ownership adjacent to Flume Creek property owned by BLM (Michele Lynn-SCL had referred Jake to me, when she had called him earlier to notify BLM about the information gathering effort of SCL for the Boundary Relicensing PAD development). Jake referred to the FERC Project Boundary maps (9 drawings in the set) and stated he was not clear on the meaning of the "project boundary" line and the relationship SCL has to such land. I told Jake I would need to inquire with SCL Real Estate Services in order to provide answers for him.

Item 123

Name:	Kathy Ahlenslager
Affiliation:	USFS Colville NF
Title:	Forest Botanist
Discipline:	**Botany**
Email Address:	kahlenslager@fs.fed.us
Phone number:	(509) 684-7000
EDAW Name:	Richard Dwerlkotte
Date of Contact:	6/1/2005
Reason for Contact:	information of rare plants
Information Provided:	request for rare plant data within the project vicinity
Information Obtained:	information on distribution of rare plant occurrences within the project vicinity
Follow-up Action Needed:	none
Comments:	none

Item 124

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 55 **Date of Contact:** 6/2/2005

Contact Information

Name: James Baxter
Affiliation: BC Hydro
Title:
Discipline: Fisheries Biologist
Phone Number:
Email Address: james.baxter@bchydro.com

Contacted By Information

Name: A. Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Obtain information concerning his work in the Salmo River

Information Provided: I sent James the attached email on 5/23/05.

Information Obtained: James responded on 6/2/05 that he would burn a CD with the requested reports and send them to me.

Follow-up Action Needed:

Comments:

Item 125

Name:	Jim Marthaller
Affiliation:	Pend Oreille County
Title:	Planning Director
Discipline:	local government
Email Address:	jmarthaller@pendoreille.org
Phone number:	(509) 447-4821
EDAW Name:	Jeff Caudill
Date of Contact:	6/2/2005
Reason for Contact:	Obtain any available land use policies, ordinances, etc. established within the county.
Information Provided:	General information related to the relicensing effort.
Information Obtained:	Jim agreed to send a number of land use-related documents in the mail, including the County's Shoreline Management Program, the ordinance establishing the interim Urban Growth Areas (UGA) for the towns of Cusick, Metaline, Metaline Falls, Ione, and Newpor
Follow-up Action Needed:	none
Comments:	Received all of the documents requested.

Item 126

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 56 **Date of Contact:** 6/7/2005

Contact Information

Name: Dan Millar
Affiliation: Environment Canada
Title:
Discipline:
Phone Number: (604) 664-9345
Email Address:

Contacted By Information

Name: Peter Christensen
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: pchristensen@r2usa.com

Reason for Contact: Obtain information from the Transboundary Gas Group.

Information Provided:

Information Obtained: Dan Millar of Environment Canada and he noted that the keeper of information and master of the website for the Transboundary Gas Group is Mark Schneider of NOAA-Fisheries (203-231-2306). Dan said that the TGG presentations from the meetings are on the website, but he could not remember the address. He suggested that we contact Mark for information.

Dan did mention that Environment Canada has two water quality stations on the Pend d'Oreille River downstream of Boundary and that information from them is on their website at www.waterquality.ec.gc.ca.

Follow-up Action Needed: Contact Mark Shneider.

Comments: After the call I did a search and found that the TGG website is www.nwr.noaa.gov/1hydro/hydroweb/tgg.html. It looks like there is some interesting stuff on there.

Item 127

June 14, 2005

TO: John Prescott

FR: Barbara Greene, Lisa Rennie

RE: Trip Report – FERC Workshop, Pend Oreille County Commissioners, Pend Oreille PUD

Meeting with Pend Oreille County Commissioners

Mitch Brown, Chair
Ken Oliver, Vice Chair
Dean Cummings, Commissioner

Key Messages Delivered:

We provided an overview of the FERC's new Integrated Licensing Process, identifying key dates for Boundary relicensing. This included preparation of our NOI, PAD, and study plan development. We also asked for the Commission's advice on the best methods to keep the Pend Oreille public informed on Boundary relicensing.

What we learned:

Maintaining the county's employment base through continued availability of low cost power, as well as future economic development are of primary concern to the Commission. Ponderay Newsprint's viability in relation to power costs and water quality issues was highlighted. We specifically discussed the following issues as they might relate to our project reservoir and project land: tourism and recreation access, wildlife, transmission aesthetics, and their historical perspective on water temperature and fisheries.

The County is supportive of our relicensing effort and wants to be helpful. They have a keen interest in future economic development particularly through tourism and activities (e.g., riverboat and train tours). They would like City Light to work collaboratively with the community on economic development efforts.

The commissioners offered suggestions for City Light's consideration on outreach to the communities. They suggested we use public surveys (check with PUD for examples); newsletters (check with Teck Cominco for example); and use community facilities such as the Cutter Theatre.

Follow Up:

City Light relicensing staff will provide quarterly reports/updates on our relicensing efforts to the Commission.

Item 128

Contact made by Michele Lynn:
Kathy Helm, BLM, 6/16/05

Kathy's area manager contends that there are no impacts to BLM lands from our project. Kathy was supposed to meet with Rosie Mazaika by phone today to discuss project. Meeting was delayed until mid July. I said we were hoping to get the data sooner than July. She said they were having a team meeting in her office tomorrow and could discuss my request. She said that since our PAD isn't due to FERC until 2006, there shouldn't be a problem delaying transfer of the information for another month. I explained that we have to complete a draft for internal City review and we'd prefer to have the data soon.

Item 129

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 59 **Date of Contact:** 6/22/2005

Contact Information

Name: Doug Robison
Affiliation: WDFW
Title:
Discipline:
Phone Number: (509) 536-2012
Email Address: robisdlr@dfw.wa.gov

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Obtain WDFW information.

Information Provided:

Information Obtained:

Follow-up Action Needed: Doug indicated there is some anecdotal information, such as spot observations of some species, that wildlife biologist have but would best derived from interviews with the biologists. Doug can set up these interviews. He also said these biologists can provide some context to survey data, such as harvest information, that is reported on a coarse scale, such as county-wide. These biologists may be able to put this data into context relative to the Boundary Project Area.

Comments: Doug called to follow-up on a voice-mail I left him on 06/21/05 and an email from May 9. Doug indicated he would be sending me some electronic documents by email and other hardcopy documents by mail. He indicated that he expects some additional information to be available in future and he will send it along when he receives it.

Item 130

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 60 **Date of Contact:** 6/27/2005

Contact Information

Name: Joe Maroney
Affiliation: Kalispel Natural Resources Department
Title: Fisheries Manager
Discipline: Fisheries
Phone Number: (509) 445-1147
Email Address: jmaroney@knrd.org

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Follow-up on earlier contact to obtain information and documents related to fisheries resources in project area and activities of the Kalispel tribe in the area.

Information Provided:

Information Obtained: Based upon the list of documents provided earlier, Joe indicated that we had most of the information produced by the tribe. He indicated that a good part of their funding comes from BPA and all of the reports they produce can be found on the BPA website. He suggested we utilize "Kallispel" in the author field to search for additional reports. He mentioned both a genetics report and other field activities that are covered. The reports generally have a larger extent than the Boundary Project, but Boundary-related information can be found within the reports.

Joe included Jason Conner on the phone call because he had participated in much of the work included in these reports. Joe, Jason, and Todd Anderson from the KNRD could all be utilized as resources if there are questions concerning information in the reports.

Follow-up Action Needed: Download additional KNRD reports from the BPA web site.

Comments:

Item 131

Name:	John Ridlington
Affiliation:	USFS Colville NF
Title:	Range & Invasive Species Specialist
Discipline:	
Email Address:	jridlington@fs.fed.us
Phone number:	(509) 684-7191
EDAW Name:	Richard Dwerlkotte
Date of Contact:	7/8/2005
Reason for Contact:	invasive, non-native and noxious plants
Information Provided:	request for weed data within the project vicinity.
Information Obtained:	Known weeds: Dalmation Toadflax, Sulfur Cinquefoil, Spotted Knapweed, Bigheaded Knapweed, St. Johnswort, Queen Devil and Orange Hawkweeds and Houndstongue. Leafy Spurge was a primary concern. Scotch Broom, Tansy ragwort and Rush Skeleton Weed which have
Follow-up Action Needed:	none
Comments:	none

Item 132

Seattle City Light--Boundary Hydroelectric Project--Contacts

Tracking Number: 61 **Date of Contact:** 7/11/2005

Contact Information

Name: Glenn Koehn "Kane"
Affiliation: Colville National Forest
Title: Lands & Hydropower Coordinator
Discipline:
Phone Number: (509) 684-7189
Email Address: gkoehn@fs.fed.us

Contacted By Information

Name: Alan Olson
Affiliation: R2 Resource Consultants
Phone Number: (425) 556-1288
Email Address: aolson@r2usa.com

Reason for Contact: Confirm sensitive status of documents not sent by USFS.

Information Provided: List of Cultural Resource documents not provided by USFS

Information Obtained: Confirmed that these were sensitive documents.

Follow-up Action Needed:

Comments:

Item 133

DATE: July 11, 2005

TO: Consultation File

FROM: Christine Pratt

SUBJECT: Phone Call Record - Jake Jacobosky-BLM – Flume Creek Property Ownership

I called Jake to update him on progress being made by Seattle Public Utilities and our Consultant regarding his property ownership questions near the BLM Flume Creek property. Around Flume Creek, he wants to understand where SCL project boundary lines fall in direct relation to BLM property lines and what the project boundary lines mean regarding legal rights/responsibilities of SCL in relation to this land. Work to date does not provide the clarity to answer specific questions on property boundaries and land/ownership rights.

Item 134

Michele Lynn - Boundary Relicensing Information Request Page 1

From: Barbara Greene
To: Helm, Kathy
Date: 7/14/2005 4:42:14 PM
Subject: Boundary Relicensing Information Request

Kathy,

Per our conversation today, I'm sending you the list of information we are seeking from BLM to meet our FERC requirement to seek all existing, relevant information on Boundary Dam for our relicensing process. Please don't hesitate to call me with any questions.

Thanks,
Barbara

Barbara Greene
Boundary Relicensing Program Lead
Seattle City Light
206.615.1091
barbara.greene@seattle.gov

CC: Lynn, Michele; Olson, Alan

Item 135

From: Michele Lynn
To: "rentz@knrd.org".SEAGOV1.RES04
Date: 7/20/2005 7:36:47 AM
Subject: RE: Aerial mapping for Boundary Hydroproject

Thanks, Ray. I'll probably be in touch soon on some upcoming work efforts.

Michele

>>> "Ray Entz" <rentz@knrd.org> 7/20/2005 7:36:53 AM >>>
Yes, that will be fine.

Thanks again for letting us know what is going on.

Regards,

RDE

-----Original Message-----
From: Michele Lynn [mailto:Michele.Lynn@Seattle.Gov]
Sent: Tuesday, July 19, 2005 10:45 AM
To: Deane Osterman; Ray Entz
Subject: RE: Aerial mapping for Boundary Hydroproject

Ray,

Thanks for your message.

We chose to limit the detailed coverage to within ½ mile of the shoreline with the expectation that it would provide sufficient detail for determining project effects. If it is determined that aerial imagery is needed beyond that area, we were planning to utilize existing data. There are digital ortho quads for the area at a scale of 1"=2,000'. I should have mentioned that in my message. Does that address your concerns?

Michele

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

>>> "Ray Entz" <rentz@knrd.org> 7/15/2005 12:34:19 PM >>>

Michele,

I appologize for not getting back to you right away regarding this issue. I appreciate your follow up e-mail describing the project and its scope. At this time I have no problem with your "details" and "products" for the proposal of aerial photography and LiDAR flights. I do however have one concern with the "area of coverage" - Will 1/2 mile from water's edge take into account the full extent of the watersheds
associated with the project? I do not think that area will do this and
I would like to have this included, however I do not think LiDAR data will be necessary for the entire area of the watersheds and 1/2 mile of LiDAR would be more than enough coverage. I do think that aerial photography would be good to have for the watersheds within the area of inlfuence for the project.

I hope this helps and does not delay your project. Please feel free to contact me if you would like to discuss this further. I can be reached at work or at (509) 993-8915.

Thanks again,

RDE

-----Original Message-----
From: Michele Lynn [mailto:Michele.Lynn@Seattle.Gov]
Sent: Friday, July 15, 2005 10:15 AM
To: Deane Osterman; Ray Entz
Subject: Aerial mapping for Boundary Hydroproject

Ray, Dean,

Seattle City Light is preparing to contract for aerial mapping services to obtain up-to-date images of the Boundary Hydroproject facilities and associated area. I wanted to give you the opportunity to review the final proposal (at the end of this message). I am requesting that you review the proposal and provide any comments you may have. Given the desire to minimize shadows on the photos, we are attempting to finalize the contract in the next few weeks, allowing for the flight to occur at the end of July. **Please submit your comments to me no later than Thursday, July 21.** If you don't have any comments, I'd still appreciate a response so I know you have had a chance to review the plan. If you have questions, please contact me at michele.lynn@seattle.gov or 206-386-4578.

Sincerely,

Michele Lynn
Senior Environmental Analyst
Seattle City Light

PROPOSAL FOR AERIAL MAPPING SERVICES/PRODUCTS

The work will be conducted by DeGross Aerial Mapping; the flight will be subcontracted to GPS Surveying.

AREA OF COVERAGE
-The Boundary reservoir from Box Canyon Dam to Boundary Dam -One-half mile on both sides of the reservoir from the edge of the water -The Pend Oreille River from Boundary Dam to its confluence with the Salmo River (in Canada)

THE DETAILS
-The site will be flown at a scale of 1"=1000' for the generation of 1 foot pixel orthophotos
-LIDAR will be flown to:
Generate two foot contours up to elevation 2000'
Generate five foot contours for the remaining area of coverage

THE PRODUCTS
-Set of 1000 scale color aerial photos for the area of coverage -Set of orthophotos with 1 foot pixels for the area of coverage -Contour maps - two foot contours up to elevation 2000'; five foot contours for the remaining area of coverage

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

Item 136

From: Michele Lynn
To: "robisdlr@dfw.wa.gov".SEAGOV1.RES04
Date: 7/19/2005 8:45:25 AM
Subject: Re: Aerial mapping for Boundary Hydroproject

Thanks, Doug.

Michele

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

>>> "Douglas Robison" <robisdlr@dfw.wa.gov> 7/18/2005 12:19:28 PM >>>
Your proposal looks fine to me. I don't have any additional comments at this time.

Doug

----- Original Message -----
From: Michele Lynn
To: robisdlr@dfw.wa.gov
Sent: Friday, July 15, 2005 10:05 AM
Subject: Aerial mapping for Boundary Hydroproject

Doug,

As we discussed on the phone last week, Seattle City Light is preparing to contract for aerial mapping services to obtain up-to-date images of the Boundary Hydroproject facilities and associated area. As promised, I am following up with the final proposal (at the end of this message). I am requesting that you review the proposal and provide any comments you may have. Given the desire to minimize shadows on the photos, we are attempting to finalize the contract in the next few weeks, allowing for the flight to occur at the end of July. **Please submit your comments to me no later than Thursday, July 21.** If you don't have any comments, I'd still appreciate a response so I know you have had a chance to review the plan. If you have questions, please contact me at michele.lynn@seattle.gov or 206-386-4578.

Sincerely,

Michele Lynn

Senior Environmental Analyst
Seattle City Light

PROPOSAL FOR AERIAL MAPPING SERVICES/PRODUCTS

The work will be conducted by DeGross Aerial Mapping; the flight will be subcontracted to GPS Surveying.

AREA OF COVERAGE
-The Boundary reservoir from Box Canyon Dam to Boundary Dam
-One-half mile on both sides of the reservoir from the edge of the water
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  Generate two foot contours up to elevation 2000'
  Generate five foot contours for the remaining area of coverage

THE PRODUCTS
-Set of 1000 scale color aerial photos for the area of coverage
-Set of orthophotos with 1 foot pixels for the area of coverage
-Contour maps - two foot contours up to elevation 2000'; five foot contours for the remaining area of coverage

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division

Item 137

From: Michele Lynn
To: kathy_helm@or.blm.gov
Date: 7/15/2005 10:10:37 AM
Subject: Aerial mapping for Boundary Hydroproject

Kathy,

Seattle City Light is preparing to contract for aerial mapping services to obtain up-to-date images of the Boundary Hydroproject facilities and associated area. I wanted to give BLM the opportunity to review the final proposal (at the end of this message). I am requesting that you review the proposal and provide any comments you may have. Given the desire to minimize shadows on the photos, we are attempting to finalize the contract in the next few weeks, allowing for the flight to occur at the end of July. **Please submit your comments to me no later than Thursday, July 21.** If you don't have any comments, I'd still appreciate a response so I know you have had a chance to review the plan. If you have questions, please contact me at michele.lynn@seattle.gov or 206-386-4578.

Sincerely,

Michele Lynn
Senior Environmental Analyst
Seattle City Light

PROPOSAL FOR AERIAL MAPPING SERVICES/PRODUCTS

The work will be conducted by DeGross Aerial Mapping; the flight will be subcontracted to GPS Surveying.

AREA OF COVERAGE
-The Boundary reservoir from Box Canyon Dam to Boundary Dam
-One-half mile on both sides of the reservoir from the edge of the water
-The Pend Oreille River from Boundary Dam to its confluence with the Salmo River (in Canada)

THE DETAILS
-The site will be flown at a scale of 1"=1000' for the generation of 1 foot pixel orthophotos
-LIDAR will be flown to:
  Generate two foot contours up to elevation 2000'
  Generate five foot contours for the remaining area of coverage

THE PRODUCTS
-Set of 1000 scale color aerial photos for the area of coverage
-Set of orthophotos with 1 foot pixels for the area of coverage
-Contour maps - two foot contours up to elevation 2000'; five foot contours for the remaining area of coverage

Michele Lynn

Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

Item 138

Memorandum

Date: 7/18/2005
To: Consultation file
From: Barbara Greene
Subject: Boundary relicensing; presentation for Selkirk School District Board

Barbara Greene and Lisa Rennie (SCL) gave a presentation at the Selkirk School District Board meeting, providing information on the ILP process and relicensing timeline, activities in 2005 to prepare for submittal of the NOI/PAD, and an overview of key issues and agencies with prescriptive authority.

Item 139

From: Michele Lynn
To: "Dan_Trochta@fws.gov".SEAGOV1.RES04
Date: 7/21/2005 1:32:00 PM
Subject: Re: Aerial mapping for Boundary Hydroproject

Dan,

Yes, the photos will be in stereo. Thanks for your response!

Michele

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

>>> <Dan_Trochta@fws.gov> 7/21/2005 11:01:11 AM >>>
We reviewed the proposal and it looks good. Rick understood that the photos would be taken in stereo. Is this still the case?

"Michele Lynn"
<Michele.Lynn@Se attle.Gov>
07/15/2005 09:59 AM

To: <dan_trochta@fws.gov>, <rick_donaldson@fws.gov>
cc:
Subject: Aerial mapping for Boundary Hydroproject

Rick, Dan,

As discussed on the phone last week with Rick, Seattle City Light is preparing to contract for aerial mapping services to obtain up-to-date images of the Boundary Hydroproject facilities and associated area. As promised, I am following up with the final proposal (at the end of this message). I am requesting that you review the proposal and provide any

comments you may have. Given the desire to minimize shadows on the photos, we are attempting to finalize the contract in the next few weeks, allowing for the flight to occur at the end of July. **Please submit your comments to me no later than Thursday, July 21.** If you don't have any comments, I'd still appreciate a response so I know you have had a chance to review the plan. If you have questions, please contact me at michele.lynn@seattle.gov or 206-386-4578.

Sincerely,

Michele Lynn
Senior Environmental Analyst
Seattle City Light

PROPOSAL FOR AERIAL MAPPING SERVICES/PRODUCTS

The work will be conducted by DeGross Aerial Mapping; the flight will be subcontracted to GPS Surveying.

AREA OF COVERAGE
-The Boundary reservoir from Box Canyon Dam to Boundary Dam
-One-half mile on both sides of the reservoir from the edge of the water
-The Pend Oreille River from Boundary Dam to its confluence with the Salmo River (in Canada)

THE DETAILS
-The site will be flown at a scale of 1"=1000' for the generation of 1 foot pixel orthophotos
-LIDAR will be flown to:
Generate two foot contours up to elevation 2000'
Generate five foot contours for the remaining area of coverage

THE PRODUCTS
-Set of 1000 scale color aerial photos for the area of coverage
-Set of orthophotos with 1 foot pixels for the area of coverage
-Contour maps - two foot contours up to elevation 2000'; five foot contours for the remaining area of coverage

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

CC: "rick_donaldson@fws.gov".SEAGOV1.RES04

Item 140

Name:	Paula Connelley
Affiliation:	Washington State Dept. of Transportation
Title:	State Scenic Byway Coordinator
Discipline:	Highways & Local Programs Division
Email Address:	connelp@wsdot.wa.gov
Phone number:	(360) 705-7895
EDAW Name:	Jeff Caudill
Date of Contact:	7/21/2005
Reason for Contact:	Looking for information related to the North Pend Oreille Scenic Byway Management Plan and related documents.
Information Provided:	General information related to our efforts and reason for contact.
Information Obtained:	Background information and update of progres related to the North Pend Oreille Scenic Byway Management Plan and a supplementary document called, "The River and the Road: Development and Interpretive Guidelines."
Follow-up Action Needed:	Paula will send a copy of the Scenic Byway Management Plan and some info on "The River and the Road" document.
Comments:	Received the Pend Oreille Scenic Byway Management Plan and TOC and introduction of the "The River and the Road" document (approx. 7/28/05). Requested the remainder of the "The River and the Road" from Paula and received a copy a week or two later.

Item 141

Contact made by Michele Lynn:

Glenn Koehn, USFS, 7/22/05

Any and all USFS staff may like to accompany SCL as we're out doing field work. Please let them know of our plans. Sometimes when people see things together, it can eliminate the confusion that can arise over the written word.
Item of interest for USFS – cave inventory. SCL should consider this if we have any drawdowns planned. I told Glenn we would be unlikely to conduct any such work until we're in the study phase of relicensing.

Item 142

----- Original Message -----
From: "Barbara Greene" barbara.greene@Seattle.Gov>
To: maryv@aimcomm.com>; arnw@amrivers.org>; bswift@amrivers.org>; maureen.dehaan@bchydro.bc.ca>; power.records@bchydro.bc.ca>; eric.weiss@bchydro.com>; gary.birch@bchydro.com>; machtolfpa@bowater.com>; ssorby@cahnrs.wsu.edu>; lea.dreher@columbiapower.org>; llewellyn.mathews@columbiapower.org>; victor.jmaeff@columbiapower.org>; tnturner@comcast.net>; allysonb@cted.wa.gov>; robw@cted.wa.gov>; ccrifc@cyberlink.bc.ca>; thepoint@direcway.com>; daniel.millar@ec.gc.ca>; "Diana Sieh" dhsieh@fs.fed.us>; northwest@hydroreform.org>; susanh@msn.com>; jking@nwcouncil.org>; shorton@nwcouncil.org>; tgrover@nwcouncil.org>; kurtzj@pac.dfo-mpo.gc.ca>; don@pocd.org>; jonley@popud.com>; mcauchy@popud.com>; faith@povn.com>; sparky@povn.com>; okeefe@riversandcreeks.com>; ruthtristatecouncil@sandpoint.net>; gerry@streamkeepers.bc.ca>; bill.duncan@teckcominco.com>; dave.godlewski@teckcominco.com>; Kevin.Kinsella@teckcominco.com>; fkrause@tnc.org>; marian.l.valentine@usace.army.mil>; kurt@washingtontrout.org>
Cc: sdpadula@aol.com>; andersen991@comcast.net>; Finlay_Anderson@longviewassociates.com>; kdemsey@longviewassociates.com>; "Al Solonsky" Al.Solonsky@Seattle.Gov>; "Barbara Greene" barbara.greene@Seattle.Gov>; "Christine Pratt" Christine.Pratt@Seattle.Gov>; "Doug Rough" doug.rough@Seattle.Gov>; "John Armstrong" John.Armstrong@Seattle.Gov>; "John Prescott" john.prescott@Seattle.Gov>; "Kim Pate" Kim.Pate@Seattle.Gov>; "Laura Wishik" Laura.Wishik@Seattle.Gov>; "Lisa Rennie" Lisa.Rennie@Seattle.Gov>; "Lynn Best" Lynn.Best@Seattle.Gov>; "Michele Lynn" Michele.Lynn@Seattle.Gov>; "Mike Haynes" Mike.Haynes@Seattle.Gov>
Sent: Friday, July 22, 2005 1:55 PM
Subject: BOUNDARY RELICENSING WORKSHOP

> You are invited to participate in a discussion of Boundary Dam
> relicensing with City Light staff and consultants on Thursday, August
> 18, 2005 from 9am - 3:30pm at the Cutter Theatre, 302 Park Street,
> Metaline Falls, WA. (509) 446-4108.
>
> Agenda items will include the FERC ILP timeline for Boundary Dam, a
> proposed model for work groups, early information development plans to
> enhance the preliminary application document, and a review of resource
> issues. An agenda will be sent in advance of the meeting and include
> more specifics.
>
> City Light will provide box lunches. Please RSVP to John Armstrong,
> john.armstrong@seattle.gov or 206.684.7398 by August 8.

>
> For more information, contact Barbara Greene at 206.615.1091,
> barbara.greene@seattle.gov or John Armstrong at 206.684.3798,
> john.armstrong@seattle.gov
>
> We look forward to working with you,
>
>
>
>
>
>
>
> Barbara Greene
> Boundary Relicensing Program Lead
> Seattle City Light
> 206.615.1091
> barbara.greene@seattle.gov
>
>
>

Item 143

From: Michele Lynn
To: dan_trochta@r1.fws.gov; dosterman@knrd.org; kathy_helm@or.blm.gov; Koehn, Glenn; rentz@knrd.org; rick_donaldson@r1.fws.gov; robisdlr@dfw.wa.gov
Date: 7/26/2005 1:29:56 PM
Subject: Scope of Work for Vegetation Mapping - Boundary Hydroproject

Seattle City Light (SCL) is proposing to initiate work related to vegetation/cover type mapping in support of the relicensing of the Boundary Hydroproject. The attached document summarizes SCL's proposal related to this effort. It was prepared by, and will be implemented by our consultant, EDAW. This work will serve as the basis for future study plans/work efforts and as such, we are seeking your input on the plan. I am requesting that you review the document and submit comments to me by August 5, 2005. If you have questions, please feel free to contact me at the email/phone listed below. Thank you in advance for your input.

Sincerely,

Michele Lynn

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

CC: Armstrong, John; Greene, Barbara

Item 144

From: Michele Lynn
To: "gkoehn@fs.fed.us".SEAGOV1.RES04
Date: 7/27/2005 8:27:51 AM
Subject: Re: Aerial mapping for Boundary Hydroproject

Glenn,

Thanks for your response on this. I think we'll come up with some great images/maps that will serve our respective interests.

Michele

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

>>> Glenn Koehn <gkoehn@fs.fed.us> 7/22/2005 11:29:06 AM >>>

Michele - Yes. We discussed the fact that if SCL didn't want to go wider with the coverage that there are other photos available (our own) that we could use. They are a different scale, but that should not be a big problem. We are interested, when the time comes, in how we might get access to your photos (borrowing) for our use.

Regards, Glenn..

J. Glenn Koehn
Hydropower Coordinator and
Lands/Minerals Program Mgr.
(509) 684-7189
FAX (509) 684-7280
gkoehn@fs.fed.us

"Michele Lynn"

<Michele.Lynn@Seattle.Gov>
07/21/2005 01:37 PM

To
<gkoehn@fs.fed.us>

cc

Subject
Re: Aerial mapping for Boundary Hydroproject

Glenn,

Thanks very much for your timely response. When considering how far out to draw a boundary, we looked into other existing aerial data. Our thought was that, in the event we decide we need visual data beyond the ½ mile boundary, we would use existing DNR ortho quads. They are at a scale of 1"=1,200', not much smaller scale than what we would produce. I'm sorry I didn't mention that in my initial email. Would that satisfy the USFS's interests?

Michele

>>> Glenn Koehn <gkoehn@fs.fed.us> 7/20/2005 2:00:31 PM >>>

Michelle: The FS provides the following comments/suggestions for your proposed aerial mapping project.

If possible it would be preferable to expand your coverage to include the area encompassed by Hwy. 31 (to the east) and the County Road (to the west) for the northern portion of the project and use the 1/2 mile (east and west) for the southern portion of the project - the break being at approximately Metaline Falls. Our thinking here is to 1) capture all of the access points to the project area and 2) to provide more of a lanscape view of the area. This will of course generate quite a few more photos at the 1"=1000' scale. If this is prohibitively expensive then we would certainly understand you staying with the 1:12,000 scale.

One other thought. It would be good to know the river flow (cfs) on the date and time that the photos are taken. This will help later when making comparisons, etc.

Thanks for the opportunity to provide feedback.

J. Glenn Koehn
Hydropower Coordinator and
Lands/Minerals Program Mgr.
(509) 684-7189
FAX (509) 684-7280
gkoehn@fs.fed.us

"Michele Lynn"
<Michele.Lynn@Seattle.Gov>
07/15/2005 10:03 AM

To
<gkoehn@fs.fed.us>
cc
Subject
Aerial mapping for Boundary Hydroproject

Glenn,

As we discussed on the phone last week, Seattle City Light is preparing to contract for aerial mapping services to obtain up-to-date images of the Boundary Hydroproject facilities and associated area. As promised, I am following up with the final proposal (at the end of this message). I am requesting that you review the proposal and provide any comments you may have. Given the desire to minimize shadows on the photos, we are attempting to finalize the contract in the next few weeks, allowing for the flight to occur at the end of July. **Please submit your comments to me no later than Thursday, July 21.** If you don't have any comments, I'd still appreciate a response so I know you have had a chance to review the plan. If you have questions, please contact me at michele.lynn@seattle.gov or 206-386-4578.

Sincerely,

Michele Lynn
Senior Environmental Analyst

Seattle City Light

PROPOSAL FOR AERIAL MAPPING SERVICES/PRODUCTS

The work will be conducted by DeGross Aerial Mapping; the flight will be subcontracted to GPS Surveying.

AREA OF COVERAGE
-The Boundary reservoir from Box Canyon Dam to Boundary Dam
-One-half mile on both sides of the reservoir from the edge of the water
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-The site will be flown at a scale of 1"=1000' for the generation of 1 foot pixel orthophotos
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Michele Lynn
Senior Environmental Analyst
Environment and Safety Division
Seattle City Light
206-386-4578 - phone
206-386-4589 - fax
michele.lynn@seattle.gov

Item 145

Name:	Kevin Lyons
Affiliation:	Kalispel Natural Resources Division
Title:	Archaeologist
Discipline:	Cultural Resources, Tribal Resources and Socio Economic Resources
Email Address:	kjlyons@knrd.org
Phone Number:	509.445.1147
SCL Name:	Lisa Rennie
Date of Contact:	8/1/2005
Reason for Contact:	Data gathering for Cultural Resources,Tribal Resources, and Socio-economic PAD sections. Meeting Participants: Kevin Lyons (KNRD), Glenn Hartmann (WSHS), Jim Schumacher (WSHS), Jill Sterrett (EDAW) and Lisa Rennie (SCL)
Information Provided:	
Information Obtained:	
Follow-up Action Needed:	Send bibliography and current Boundary relicensing timeline to Kevin.
Comments:	

Item 146

From: Michele Lynn
To: dan_trochta@r1.fws.gov; dosterman@knrd.org; kathy_helm@or.blm.gov; Koehn, Glenn; rentz@knrd.org; rick_donaldson@r1.fws.gov; robisdlr@dfw.wa.gov; ssorby@coopext.cahe.wsu.edu
Date: 8/2/2005 4:51:17 PM
Subject: Scope of Work for Invasive Species Inventory and Mapping

Seattle City Light (SCL) is proposing to initiate Invasive Species Inventory and Mapping work in support of the relicensing of the Boundary Hydroproject. The attached document summarizes SCL's proposal related to this effort. It was prepared by, and will be implemented by our consultant, EDAW. This work will serve as the basis for future study plans/work efforts and as such, we are seeking your input on the plan.

I am requesting that you review the attached document and submit comments to me by **August 16, 2005**.

(Note: Some of you recently reviewed an Early Information Development [EID] plan for Vegetation Mapping. This Invasive Species Inventory and Mapping plan contains some boilerplate language that is identical to the language in the Vegetation Mapping EID. To assist in reducing the time required to review this new document, I have underlined the text that relates specifically to this scope of work. If you reviewed the Vegetation Mapping EID and wish to focus on the language that is specific to this new plan, feel free to focus on the underlined text. Otherwise, I encourage you to read the entire document.)

If you have questions, please feel free to contact me at the email/phone listed below. Thank you in advance for your input.

Sincerely,

Michele Lynn

Michele Lynn
Senior Environmental Analyst
Environment and Safety Division

Item 147

USDA Forest Service Response to the August 2, 2005 Early Information Development Plan Invasive Plant Species Inventory and Mapping, ***Boundary Hydroelectric Project (FERC No. 2144)*** provided by Seattle City Light.

3.1 Study Area

It is suggested that the invasive species mapping study area cover the entire area between Highway 31 (to the east) and County Road 2975 (to the west) in the northern portion of the project area and extend to ½ mile each side of the reservoir in the southern portion of the project area. This will better match up with the aerial mapping project also proposed (7-15-05) by Seattle City Light.

3.2 Objectives

The initial inventory and mapping should include Class B and C species. As stated in the footnote to Table 3-1, these classes are to be controlled on right-of-ways and other areas where requested with the overall goal of containment and reducing the negative impact to an acceptable level. Including Class B and C species in the EID plan sets the stage for refinement of future studies.

3.3 Methods

Step 1: Target List: Table 3-1:

It is recommended that the noxious weed list in Attachment A be used as the comprehensive target species list. If the contractor is just looking for the listed target noxious weeds in Table 3-1, new invaders not on the target species list but occurring in Pend Oreille County could be overlooked.

Eurasian water-milfoil (EWM) is listed in Washington as a Category B weed species. It appears that this weed will not be mapped unless in 'particularly dense' concentrations. This may not be accurate enough. While EWM does occur in high densities, it also occurs with other aquatic plant species in Boundary Reservoir in lower densities. It is extremely important to map all EWM infestations in the reservoir. It is important for establishing a baseline of present condition, densities and distribution. The baseline is needed to be able to monitor changes in EWM during the life of the next license as a result of anticipated control measures on the part of SCL.

In addition, initiating mapping in late August is very late in the season. There is a risk that some concentrations of plants may be missed.

Step 2: Field Inventory and Mapping

Not identified is the noxious weed sampling frequency. The draft EID proposal suggests that surveys will be conducted in coordination with field verification of the preliminary cover type mapping exercise. Not knowing what percent of the project area is field verified for the cover type mapping, is the contractor planning on 100% sampling in the study area or is a lesser degree of sampling proposed? Please provide a detailed inventory methodology including sampling frequency of the study area.

Step 3 and Step 4: Data storage, Map and Species List

GIS data input of polygons and points is appropriate. The USDA Forest Service requests that the final GIS data be shared so the agency can conduct its independent analysis.

Item 148

From: "Doug Robison" <robisdlr@DFW.WA.GOV>
To: <Michele.Lynn@Seattle.Gov>
Date: 8/2/2005 4:53:23 PM
Subject: Re: Scope of Work for Invasive Species Inventory and Mapping

Hello,
I will be out of the office from August 1-12 and will respond to your message, if appropriate, when I return.

Doug

Item 149

Contact made by Michele Lynn:

Brian Farmer, WDOE, Wetlands/Shoreline Planner, 8/4/05

Barbara Greene was told that Brian's group may want to be involved in Boundary relicensing so I called him to talk about any interest his group may have. Brian said that WDOE's main contact for relicensing will be Jean Parodi. The kinds of concerns Brian's group may have would related to wetlands, ensuring coordination with local watershed plans, erosion. He said any input he wants to provide would be sent through Jean. Brian doesn't want to be on the mailing list for relicensing notices.

Item 150

Contact made by Michele Lynn:

Jim Eychaner, IAC, 8/5/05

I called to see if Jim wanted to join SCL and other stakeholders on a field trip to identify Key Observation Points for documenting aesthetics resources. Jim said aesthetics is part of the sightseeing experience for a recreationist. Jim said he's not an expert in the area of selecting KOPs but would like to join us on the trip to lend whatever help he can provide.