

**Lewis River Hydroelectric Projects Settlement Agreement  
Terrestrial Coordination Committee (TCC)  
Meeting Agenda**

**Date & Time:** Wednesday, August 13, 2014  
9:00 a.m. – 3:30 p.m.

**Place:** Woodland Police Station  
Council Chambers  
200 E Scott Avenue  
Woodland, WA

**Contacts:** Kirk Naylor: (503) 813-6619; cell (503) 866-8750

Time	Discussion Item
9:00 a.m.	Welcome <ul style="list-style-type: none"> <li>➤ Review Agenda &amp; 7/9/14 Meeting Notes</li> <li>➤ Comment &amp; accept Agenda &amp; 7/9/14 Meeting Notes</li> </ul>
9:15 a.m.	Devils Backbone Timber Management – Discussion
9:45 a.m.	Farmland Report – Review and Comment
10:00 a.m.	Safety <sup>1</sup> discussion and prepare for field trip
10:15 a.m.	<ul style="list-style-type: none"> <li>➤ Next Meeting’s Agenda</li> <li>➤ Public Comment Opportunity</li> </ul> Note: all meeting notes and the meeting schedule can be located at: <a href="http://www.pacificorp.com/es/hydro/hl/lr.html#">http://www.pacificorp.com/es/hydro/hl/lr.html#</a>
11:00 a.m.	Field Tour: Unit 20 (2013 harvest area): Unit 10 if possible (current logging)
<b>3:30 p.m.</b>	<b>Return to Woodland Police Station and Adjourn</b>

<sup>1</sup> Please bring sturdy walking shoes for hiking in the forest – PacifiCorp will have 2 vehicles for transportation of up to 6 additional passengers

Join by Phone  
+1 (503) 813-5252 [Portland, Ore.]  
+1 (855) 499-5252 [Toll Free]

**Conference ID:** 25166794

**Please bring your lunch**

**FINAL Meeting Notes**  
**Lewis River License Implementation**  
**Terrestrial Coordination Committee (TCC) Meeting**  
**August 13, 2014**  
**Woodland, WA**

**TCC Participants Present: (8)**

Ray Crosswell, RMEF  
Peggy Miller, WDFW  
Kimberly McCune, PacifiCorp Energy  
Kirk Naylor, PacifiCorp Energy  
Kendel Emmerson, PacifiCorp Energy  
Erik White, Cowlitz Indian Tribe  
Nathan Reynolds, Cowlitz Indian Tribe  
Diana Gritten-MacDonald, Cowlitz PUD

**Calendar:**

September 10, 2014	TCC Meeting	Cancelled
October 8, 2014	TCC Meeting	HCC

<b>Assignments from August 13, 2014</b>	<b>Status</b>
McCune: Finalize the 2014 Farmland Report and post to the Lewis River website.	<b>Complete – 8/18/14</b>

<b>Assignments from March 12, 2014</b>	<b>Status</b>
Emmerson: Provide TCC additional data on the number of Osprey nests destroyed and unrepaired as reported in the 2013 WHMP Annual Report.	<b>Complete</b>

<b>Assignments from June 13, 2012</b>	<b>Status</b>
Naylor: Review the SA/WHMP budget(s) as well as determine status and opportunity for coordination with John Cook (NCASI) and Lisa Shipley (Washington State University) doing the black-tail study and report back to the TCC.	<b>In Progress</b>

**Review of Agenda and Finalize Meeting Notes**

Kirk Naylor (PacifiCorp Energy) called the meeting to order at 9:10 a.m. Naylor reviewed the agenda and asked the TCC if there were any changes/additions. No additions were requested. Naylor reviewed the July 9, 2014 meeting notes and assignments. The meeting notes were approved at 9:15 am without change.

**Review of TCC August 1, 2014 Meeting Notes (CONFIDENTIAL)**

Naylor reviewed the land acquisition meeting notes which are proprietary and not for public viewing. The TCC approved the notes without change. **The TCC concluded that the proposed timber acquisition in 2014 is not advisable because the financing is not as strong as originally estimated based on past timber values.**

### **Devil's Backbone Timber Management – Discussion**

On August 4, 2014 Diana Gritten-MacDonald provided a copy to the TCC of a draft Non-binding Request for Quote (RFQ) (**Attachment A**) specific to creating one 5-acre patch cut in Cowlitz PUD's Swift No. 2 Hydroelectric Project Devil's Backbone Wildlife Habitat Management Area. Upon review of the RFQ Gritten-MacDonald recommended that the TCC not go forward and save its WHMP funds until enough money is available to proceed with a larger project.

Discussion took place regarding the merits of continuing with this project considering the cost of the administration efforts when funds are limited. Nathan Reynolds (Cowlitz Indian Tribe) will meet with Naylor and Kendel Emmerson (PacifiCorp) for approximately one hour to pencil out timber harvest costs to determine what funds are needed and how long to defer until the Cowlitz PUD WHMP budget has the funds to proceed with a substantial project. The TCC requested this topic be added to the October agenda.

### **Farmland Report – Review and Comment**

Emmerson informed the TCC that no comments were received for the 2014 Farmland Report. The summary in the document may change over time as new meadows are created. The Management Priorities 1-4 is ranking is to determine which meadows may or may not be managed in years when the budget is tight. This may be the case in the next couple of years as we begin some serious noxious weed treatments in some meadows and may not have the funds to fertilize every meadow. Emmerson also communicated that Speelyai Right-of-Way line 6/2 - 7/2 are way too rocky to actually mow, however, she will be looking at another potential right-of-way forage improvement along the Cougar line (1/3- 4/3).

McCune will finalize the 2014 Farmland Report and post to the Lewis River website.

All orchard trees PacifiCorp planted in February, except two pears, are thriving.

The Speelyai Line tree clearing project is expected to begin in early-September.

### **Other**

**The TCC chose to cancel the September TCC meeting and reconvene in October.**

### **Public Comment Opportunity**

No public comment was provided.

*Conducted safety orientation and departed for the field tour at 10:30am.*

Depart for tour of Unit 20 and review the 2013 harvest areas. Plan to return to HCC by 3:30 p.m. Time permitting plan to visit Unit 8 - 2010 harvest area.

## Agenda items for October 8, 2014

- Review August 13, 2014 Meeting Notes
- Devils Backbone Timber Management – Discussion

## Next Scheduled Meetings

September 10, 2014	October 8, 2014
TCC Meeting	TCC Meeting
Cancelled	Merwin Hydro Control Center
	Ariel, WA
	9:00am – 3:00pm

## Attachments:

- August 13, 2014 Meeting Agenda
- **Attachment A** – Cowlitz PUD draft Non-binding Request for Quote, August 2014



**Figure 1. Unit 20 - TCC looked at 2013 timber harvest area and permanent forage area.**



**Figure 2. Unit 20 - TCC looked at a 2013 timber harvest area Note the LWD and residual trees that were retained into the permanent forage area.**



**Figure 3. TCC viewed elk and habitat use in Unit 18; an area seeded and planted in 2010.**



**Figure 3-1. TCC viewed elk and habitat use in Unit 18; an area seeded and planted in 2010.**



961 12<sup>th</sup> Avenue • PO Box 3007 • Longview, WA 98632

DATE XX, 2014

Prospective Respondents:

Please see the enclosed Non-binding Request for Quote for furnishing all labor, materials, tools, equipment, and documentation necessary to create one 5-acre patch cut in Cowlitz PUD's Swift No. 2 Hydroelectric Project Devil's Backbone Wildlife Habitat Management Area.

The purpose of this Non-binding Request for Quotes is to evaluate the potential cost of timber management activities to guide future planning and budgeting. If the decision is made to move forward, Cowlitz PUD will issue a Request for Bids and the ensuing work will be done under a Small Works Contract.

We invite your Non-binding Quote on this project. Interested Respondents are invited to attend a **site visit**, scheduled for 10:00 a.m. on **DATE XX, 2014** at the Swift No. 2 Hydroelectric Project 18000 Lewis River Road, Cougar WA. During this meeting, respondents will to travel to the Devil's Backbone Wildlife Habitat Management area on Forest Road 90, east of Swift No. 2. Interested Respondents may also visit the Devil's Backbone property independently.

Non-binding Quotes are due before 5:00 p.m. on **DATE XX, 2014** and may be submitted by mail to Cowlitz County PUD, 961 12<sup>th</sup> Avenue, P.O. Box 3007, Longview, WA 98632, Attention: Diana MacDonald. Non-binding quotes may also be submitted via email to [dmacdonald@cowlitzpud.org](mailto:dmacdonald@cowlitzpud.org). All Non-binding Quotes must be submitted on the enclosed Quote form (Exhibit B).

Please contact me at (360) 577-7585 if you have any questions concerning this request for Non-binding Quote.

Sincerely,

Diana M. Gritten-MacDonald  
Manager Environmental and Regulatory Services

Enclosures



## Cowlitz PUD

### Devil's Backbone Timber Management Request for Non-binding Quote

#### SCHEDULE

<b>Distribute Quote Packets:</b>	
<b>Pre-Quote Site Visit:</b>	
<b>Quotes Due:</b>	
<b>Present Quotes to TCC:</b>	

**Public Utility District No. 1  
of Cowlitz County, Washington**

**Devil's Backbone Timber Management  
Request for Non-binding Quote**

Quotes Due 5:00 p.m. **Monday, DATE XX, 2014**

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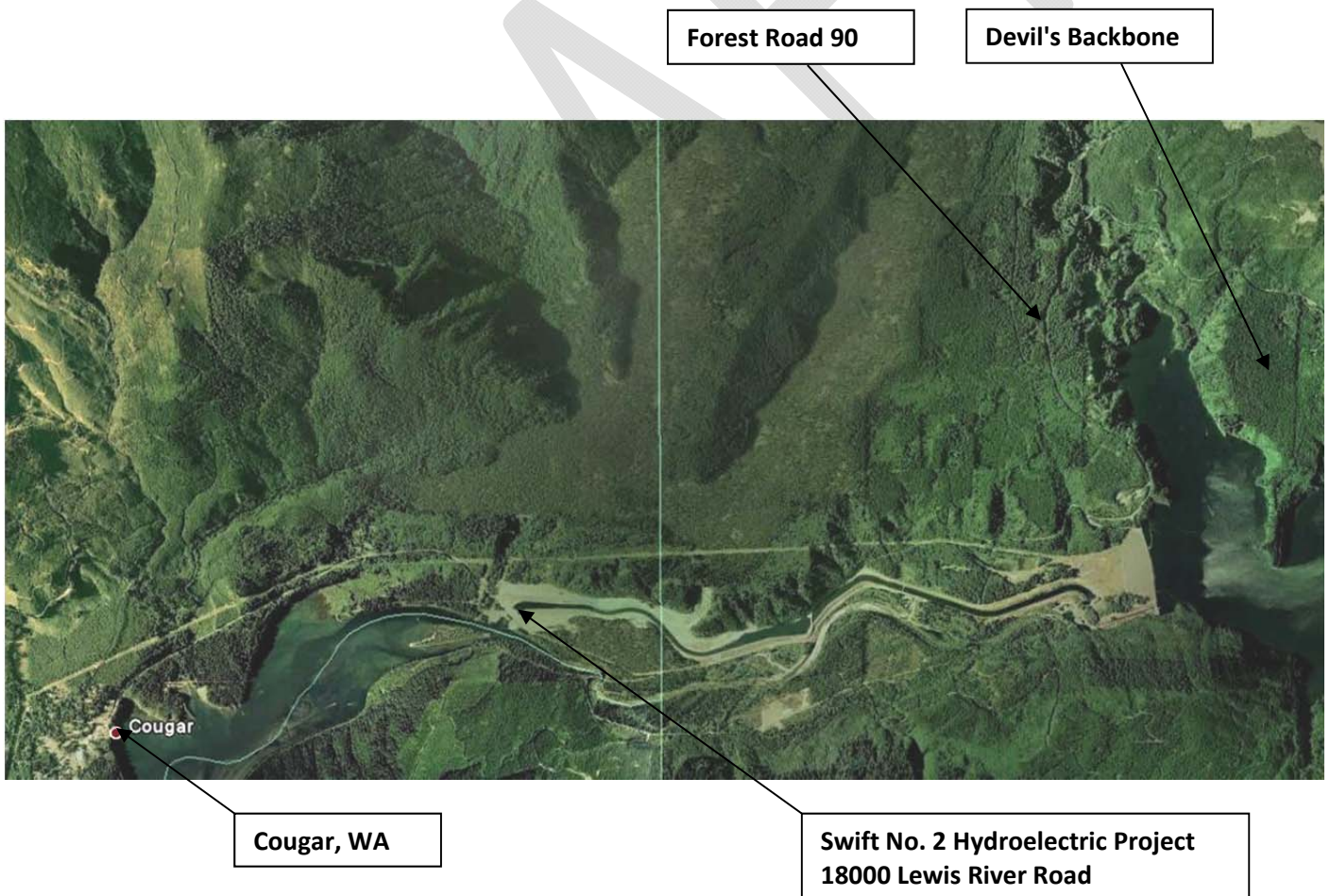
## INSTRUCTIONS TO RESPONDENTS

### 1. PRE-QUOTE SITE VISIT

Respondents are invited to a pre-quote site visit, scheduled for 10:00 a.m. on **Wednesday, DATE XX, 2014** at the Swift No. 2 Hydroelectric Project, 18000 Lewis River Road, Cougar, WA. Respondents will travel to the Devil's Backbone Wildlife Habitat Management Area on Forest Road 90, east of Swift No. 2. It will most likely be necessary to hike from Forest Road 90 to the proposed timber management area on the Devil's Backbone. Respondents may visit the proposed timber management areas at any time.

### 2. LOCATION

The timber management area is located in the Devil's Backbone Wildlife Habitat Management Area, south of Forest Road 90 in Skamania County.



**3. SCOPE OF WORK**

The District requests Non-binding Quotes to furnish all labor, equipment, materials, tools, and documentation necessary to create one 5-acre patch cut as described in *Exhibit A 2014 Devil's Backbone Timber Management Scope of Work* attached hereto.

**4. EXPERIENCE**

A responsible Respondent must have adequate experience in successfully performing the type of work described herein.

**5. PROPOSAL**

Non-binding Quotes will be accepted until 5:00 p.m. on Monday, **DATE XX, 2014**, and may be submitted by mail or hand delivered to Cowlitz County PUD, 961 12<sup>th</sup> Avenue, P.O. Box 3007, Longview, WA 98632, Attn: Diana MacDonald. Quotes may be submitted via email to [dmacdonald@cowlitzpud.org](mailto:dmacdonald@cowlitzpud.org).

All Non-binding Quotes must be submitted on the enclosed Quote Form, attached as Exhibit B and must include:

- a. The cost of each quote item and the total cost to complete the work as indicated in the spaces provided in Exhibit B Table B-1.
- b. A brief description of the methods used to complete the work as indicated in the spaces provided in Exhibit B Table B-1.

**6. QUOTE EVALUATION**

Cowlitz PUD manages the Devil's Backbone in consultation with federal and state agencies, tribes and non-governmental organizations under the Lewis River Terrestrial Coordinating Committee (TCC). The TCC will evaluate the Non-binding Quotes and their budget to determine whether to create the 5-acre patch cut and when. Note that, pursuant to an existing agreement between members of the TCC, **all of the costs of timber management activities are borne by a special fund and all of the money derived from the sale of the timber (gross receipts) are returned to Cowlitz PUD. The cost of completing the timber management activity IS NOT subtracted from the gross timber receipts.** For this reason, the Exhibit B Table B-1 Quote Form includes line items for Profit and Total Cost. Exhibit B also asks respondents to estimate gross timber revenue.

If the TCC elects to proceed with the 5-acre patch cut, and subject to approval by Cowlitz PUD's Board of Commissioners, Cowlitz PUD will issue a Request for Bids and the ensuing work will be done under a Small Works Contract.

**7. PREVAILING WAGE**

The work described in this request for Non-binding Quote is considered Public Works. Therefore, the Quote should incorporate prevailing wage laws.

- a. Journeyman Rates may be accessed electronically at the following address:  
<https://fortress.wa.gov/lni/wagelookup/prvWagelookup.aspx>
- b. Apprentice Rates may be accessed electronically at the following address:

<https://fortress.wa.gov/lni/wagelookup/ApprenticeWageLookup.aspx>

Be advised that the rates for Skamania County apply to this project.

**8. PERMITS AND PROTECTION**

The Non-binding Quote should **not** include the cost and procurement of all permits required by governing authorities that affect the work. Other entities will complete the permitting work.

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## EXHIBIT A

# Devil's Backbone Timber Management SCOPE OF WORK

### 1.0 Introduction

Cowlitz PUD owns about 283 acres of wildlife habitat within the Devil's Backbone Management Unit (MU) of the Swift No. 2 Wildlife Management Area (WMA). The Devil's Backbone MU is located approximately 8 miles east of Cougar, Washington (Figure 1). Cowlitz PUD manages the Devil's Backbone MU in consultation with federal and state agencies, tribes, and non-governmental organizations under the Lewis River Terrestrial Coordinating Committee (TCC). The TCC's management objectives for mid-successional forest stands in the WMA are to increase understory species and structural diversity and improve habitat suitability for elk over time by improving the cover/forage ratio. Creating patch cuts is one approach to achieving these objectives. Specifically, removal of trees within the 5-acre patch is anticipated to accomplish the following:

- Improve light penetration to the forest floor, increase soil moisture, and reduce root competition to promote regeneration of shrubs and herbaceous cover, as well as conifers.
- Add dead and down material to the forest floor to provide microsites for seedling establishment and cover for small mammals and ground-feeding birds, which would also increase the prey base for raptors.
- Increase the cover of desirable elk browse species that occur within each site, such as vine maple, huckleberry, and rose, in addition to the existing sword fern and Oregon grape.

The TCC is requesting a non-binding cost estimate (Exhibit B) to create a single 5-acre patch cut as outlined in Section 2.0 below. Along with costs, Respondents are asked to describe the road improvement felling/skidding, hauling, and documentation methods. Note that permitting, slash handling, and soil preparation/reseeding activities will be completed by other entities and are not included in this request for quotes.

### 2.0 One 5-Acre Patch Cut

Create one 5-acre patch cut in the vicinity of patch cuts 1 and 2 illustrated in Figure 2. All trees within the 5-acre patch cut boundary would be cut. Merchantable trees would be removed from the site, while non-merchantable trees would be retained and distributed uniformly across the site to provide coarse woody debris material for wildlife enhancement. Note that permitting, slash handling and soil preparation/ reseeding are **NOT** including in this Scope of Work.

Insert Figure 1 Location map

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## 2.1 Standard Operating Procedures

1. Schedule patch cuts for implementation in fall/winter to prevent disturbance to nesting raptors.
2. Leave coarse woody debris distributed uniformly across the patch cut area.
3. Retain vine maple where possible.
4. Conduct post-treatment site visit with Cowlitz PUD representative within 2 weeks of implementation to document site conditions and confirm that work has been completed as specified in the contract documents.

## 3.0 Project Location and Access

Figure 2 shows the locations of three patch cuts that were laid out by Cowlitz PUD contractors in June, 2013. Terrain in this area is fairly level, and no streams or wetlands are present. From Forest Road 90, the 7902 Road provides good access to all three sites for loggers on foot, but overgrown skid roads off the 7902 Road are not currently accessible to heavy equipment. The 7902 road is gated near the entrance from Forest Road 90. Beyond the gate, the road is currently accessible by a high clearance 4-wheel drive vehicle. Cowlitz PUD has an easement to use and repair this road.

The location of the 5-acre patch cut will be in the vicinity of (and would encompass) Patches 1 and 2 on Figure 2. The final shape and boundary of the patch would be defined prior to the solicitation of a binding agreement for these services.

For reference patch cuts 1 and 2 are described below, followed by a stand summary.

Patch 1: Orange flagging marks the best access to Patch 1 from the 7902 Road. Patch 1 is located approximately 300 feet east of the orange flagging. GPS coordinates for the center of Patch 1 are North 46.071684 and West -122.185085

Patch 2: Patch 2 is accessed by walking directly north from Patch 1 for a distance of approximately 500 feet. GPS coordinates for the center of Patch 2 are North 46.072994 and West -122.185122

## 3.1 Patch cut lay-out

Patches were laid out by marking trees along the boundaries of each patch with pink flagging. Patches are roughly circular in shape, with a radius of 83.3 feet for Patch 1 (0.5 acres) and 58.9 feet for Patch 2 (0.25 acres). All trees within each patch were marked with blue paint, and their condition (live or dead)

Insert Figure 2 patch cuts

[NSERT Figure 2 Patchcuts](#)



and diameter at breast height (dbh), by species, was recorded. The two tables below show the tally of trees within each plot that are marked to be cut.

Patch 1 is 0.5 acres in size and would have 196 trees felled to create the patch opening. Approximately 50 percent of the tree stems on the ground would be larger than 11 inches dbh, with the largest stem 20 inches dbh.

*Patch 1: 0.5-acres*

Diameter Class (Inches dbh)	Douglas-fir		Hemlock		Total All Trees
	Dead	Live	Dead	Live	
4	3	1	1	1	6
5	4		1	2	7
6	7	2		3	12
7	2	7	1	1	11
8	2	9		5	16
9		14		2	16
10		12		1	13
11	1	20		2	23
12	1	18		7	26
13		13		6	19
14	1	14		2	17
15		7		4	11
16		3		3	6
17		3		4	7
18		2		1	3
19				1	1
20				1	1
Total Live and Dead trees within Patch 1					195

Patch 2 is 0.25 acres in size and would have 99 trees felled to create the patch opening. Approximately 50 percent of the tree stems on the ground would be larger than 9 inches dbh, with the largest stem 16 inches dbh.

*Patch 2: 0.25-acres*

Diameter Class (Inches dbh)	Douglas-fir		Hemlock		Total All Trees
	Dead	Live	Dead	Live	
3	2				2
4	11			1	12
5	1	2		1	4
6	7	4		1	12
7	1	3			4
8		4		4	8
9		8		5	13
10		3		2	5
11		7		4	11
12		3		5	8
13		4		8	12
14		2		1	3
15		1		2	3
16				2	2
Total Live and Dead Trees within Patch 2					99

**3.2 Stand Summary**

In 2013, a third patch cut (Patch Cut 3) was laid out, and while it is not in the vicinity of the proposed 5-acre patch cut, it is included here to provide more information about the general characteristics of the stand.

Patch 3 is 0.25 acres in size. Approximately 50 percent of the tree stems are larger than 9 inches dbh, with the largest stem 17 inches dbh.

*Patch 3: 0.25-acres*

Diameter Class (Inches dbh)	Douglas-fir		Hemlock		Total All Trees
	Dead	Live	Dead	Live	
3			1	1	2
4	2		1		3
5	1			1	2
6		1		4	5
7		3		7	10
8		2		4	6
9		4		5	9
10		1		6	7
11				7	7
12		4		3	7
13		1		4	5
14		1		5	6
15		1		1	2

Diameter Class (Inches dbh)	Douglas-fir		Hemlock		Total All Trees
	Dead	Live	Dead	Live	
16		1			1
17		2		2	4
Total Live and Dead Trees within Patch 3					76

The table below, based on four random plots sampled in June 2013, summarizes the Devil's Backbone stand. While the very rough estimates do not include any statistical error values, they do provide relative ballpark estimates of the magnitude of the volume, the range of sizes, the distribution among diameter classes.

Summary Stand Table							
DBH Class	Per Acre Values			Cumulative Percent of Stand			BF Vol.
	No. Trees	BA	BF Vol.	No. Trees	BA	BF Vol.	
10	13.8	7.5	1,086	6.8%	3.8%	3.5%	
11	56.8	37.5	5,455	35.1%	23.1%	21.0%	
12	28.6	22.5	3,581	49.3%	34.6%	32.6%	
13	40.7	37.5	6,184	69.5%	53.8%	52.5%	
14	7.0	7.5	1,116	73.0%	57.7%	56.1%	
15	12.2	15.0	2,359	79.1%	65.4%	63.6%	
16	21.5	30.0	4,791	89.8%	80.8%	79.1%	
17	9.5	15.0	2,550	94.5%	88.5%	87.3%	
18	0.0	0.0	0	94.5%	88.5%	87.3%	
19	7.6	15.0	2,628	98.3%	96.2%	95.7%	
20	3.4	7.5	1,327	100.0%	100.0%	100.0%	
	<b>Stand Average</b>	<b>201.2</b>	<b>195.0</b>	<b>31,079</b>	<b>per acre values</b>		
<b>Average Dominant / Co-dominant Stand Height = 95 ft.</b>							

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# EXHIBIT B

## Devil's Backbone Timber Management NON-BINDING QUOTE FORM

**Due 5:00 pm Monday, DATE XX, 2014**

From:

<b>Company Name:</b>	<b>Date:</b>
<b>Printed Name:</b>	
<b>Signature:</b>	
<b>Address:</b>	
<b>Email:</b>	<b>Phone:</b>

To:

Diana MacDonald <a href="mailto:dmacdonald@cowlitzpud.org">dmacdonald@cowlitzpud.org</a> 360-577-7585	Cowlitz PUD P.O. Box 3007 961 12 <sup>th</sup> Avenue Longview, WA 98632
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Cowlitz PUD manages the Devil's Backbone Wildlife Habitat Management Area in consultation with federal and state agencies, tribes and non-governmental organizations under the Lewis River Terrestrial Coordinating Committee (TCC). The TCC will evaluate the Non-binding Quotes and its budget, to determine if and when to complete the 5-acre patch cut. If the TCC elects to proceed with the patch cut, and subject to approval by Cowlitz PUD's Board of Commissioners, Cowlitz PUD will issue a Request for Bids and the ensuing work will be completed under a Small Works Contract.

Please complete Table B-1. Pursuant to an existing agreement between members of the TCC, **all of the costs of timber management activities are borne by a special fund and all of the money derived from the sale of the timber (gross timber receipts) is returned to Cowlitz PUD. The cost of completing the timber management activity IS NOT subtracted from the gross timber receipts.** For this reason, Table B-1 includes line items for Contractor Profit and Total Cost. Costs do not include sales tax.

Table B-1 asks Respondents to estimate gross timber revenue. The purpose is to provide, for Board consideration, an "order of magnitude" estimate of the value of the public asset potentially being sold. It is understood that timber prices vary. **Please list the measures in place to document inventory tracking, accounting and revenue control to ensure that all merchantable logs are accounted for and all resulting revenues are returned to Cowlitz PUD.**

Table B-1 also asks Respondents to briefly describe the road improvement, felling/skidding hauling, and documentation methods proposed, as well as specific practical and/or permitting considerations that could affect implementation.

<b>Table B-1</b>	<b>Devil's Backbone One 5-acre Patch Cut</b>	
	<b>Cost</b>	<b>Description of Methods</b>
Do Not Include Sales Tax		
<b>Mobilization/ Demobilization</b> lump sum		
<b>Road Improvement</b> lump sum		
<b>Felling/Skidding</b> lump sum		
<b>Hauling</b> lump sum		
<b>Documentation</b> lump sum		
<b>Post Treatment Site Visit</b> lump sum		
<b>Administration &amp; Contractor Profit</b> lump sum		
<b>Total Cost</b> lump sum <i>excluding sales tax</i>		
<b>Estimated Gross Timber Revenues</b> lump sum		