Appendix B
University of Washington and Washington State University
Log Trucking Study

Name of company representative completing this survey*:
____________________________________________________________________

Job Title:
____________________________________________________________________

* Please be aware that all information from this questionnaire will be kept CONFIDENTIAL. If you would like to receive a copy of the Final Report developed from this survey please check here:

☐ Yes  ☐ No

WSU & UW thank the following sponsors:

Please check the correct box or enter other information as requested. Please, since you are most familiar with your firm and the industry, provide your best estimates.

1) Are you?

<table>
<thead>
<tr>
<th>Owner operator (single truck)</th>
<th>Owner operator (multiple trucks)</th>
<th>Owner non-driver</th>
<th>Other company employee</th>
</tr>
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</table>

2) a) Approximately how many years has your company been in business?

____________________________________________________________________

b) Approximately how many years have you driven log trucks?

____________________________________________________________________

c) How old are you? _______________________________________________
3) What is your company form of ownership?

<table>
<thead>
<tr>
<th>Sole Proprietorship</th>
<th>Partnership</th>
<th>Corporation</th>
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</table>

4) Approximately how many people did your company employ in 2006?

_____________________________

5) How many, including yourself, were drivers? ______________________

6) How many trucks does your company operate? ______________________

7) What year, make, model is/are your truck(s)? What is the normal trailer configuration that is used with each truck?

*Please attach extra information sheet if needed.*

<table>
<thead>
<tr>
<th>Year</th>
<th>Make</th>
<th>Model</th>
<th>Configuration</th>
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8) How many axles on each truck-trailer configuration mentioned above do you operate on your equipment? What is/are your gross weight and net payload(s) by truck/trailer configuration?

*Please attach extra information sheet if needed.*

<table>
<thead>
<tr>
<th>Configuration</th>
<th>Axles</th>
<th>Gross weight</th>
<th>Net payload</th>
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</table>

9) Do you use a second pup trailer with your truck/trailer?  □ Yes  □ No

If yes:  How many trucks do you operate with pup trailers? __________

10) How many of your trucks are self-loaders? ________________________
11) Where do you primarily operate? *(Please enter percentages. Total should equal 100%)*

<table>
<thead>
<tr>
<th>West of the Cascades</th>
<th>East of the Cascades</th>
<th>Both</th>
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<tbody>
<tr>
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</table>

12) How far away from home do you normally work? *(Please enter percentage, total should equal 100%)*

<table>
<thead>
<tr>
<th>0 - 50 miles</th>
<th>0 - 100 miles</th>
<th>0 - 150 miles</th>
<th>0 - 200 miles</th>
<th>&gt; 200 miles</th>
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13) Haul distance and roads:

What is your maximum one-way haul distance from the logging site to the delivery point? ____________ Miles

What is your maximum one-way haul distance? ____________

What is your average one-way haul distance? ____________

What percentage of your haul miles are on gravel roads? ____________

What percentage of your haul miles are on paved roads? ____________

14) How many loads per day per truck do you and/or your drivers normally haul? ____________ Loads

15) How many hours per day per truck do you and/or your drivers normally work? ____________ Hours

16) How many days per week per truck do you and/or your drivers normally work? ____________ Days

17) How many hours per week are normally required for maintenance on your log truck? ____________ Hours

18) Where do you start clocking your daily time for pay? *(Check only one)*.

From Home           From the Shop        From the Landing
☐                   ☐                      ☐

19) Where do you stop clocking your daily time for pay? *(Check only one)*.

At Home             At the Shop          At the Drop
                      ☐                      ☐
20) What is your annual personal income from trucking each year?
__________________

21) If you are the company owner, what is the average hourly wage for employees by job type?

__________ Truck Driver
__________ Mechanic
__________ Other (Please identify) ______________________

22) Do you know what you will be paid prior to beginning a new haul from a logging site? □ Yes
□ Sometimes         □ No
*If you responded sometimes or never, please explain__________________

________________________________________________________________________

23) How long from the time of haul until you are usually paid?___________

24) How are you usually paid? *(Check one).*

□ By the hour       □ By the load
□ By the mile       □ By the day

□ By the ton        □ Other

*Please identify if other: ____________________________________________

25) What was your average 2006 truck gross return in

$ per day? __________ $ per load? __________
$ per year?___________ $ per ton? __________
$ per mile?__________
26) If you are the company owner, what benefits do you provide to yourself from your company? (Check those applicable).

<table>
<thead>
<tr>
<th>Health Insurance</th>
<th>Disability Insurance</th>
<th>Retirement Plan/IRA</th>
<th>Vehicle Use</th>
<th>Other</th>
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</table>

27) What benefits do the employees receive from your company? (Check those applicable).

<table>
<thead>
<tr>
<th>Health Insurance</th>
<th>Disability Insurance</th>
<th>Retirement Plan/IRA</th>
<th>Vehicle Use</th>
<th>Other</th>
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</thead>
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</table>

28) If health insurance is provided by the company, is it also provided for family members?

☐ Yes  ☐ No

29) If you are an employer, how difficult is it to find and keep skilled truck drivers? (Check one).

<table>
<thead>
<tr>
<th>Very difficult</th>
<th>Occasionally a problem</th>
<th>Drivers are readily available</th>
</tr>
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</table>

30) How available are skilled truck drivers today as compared to 10 years ago? (Check one).

<table>
<thead>
<tr>
<th>Harder to find</th>
<th>The same</th>
<th>Easier to find</th>
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</tbody>
</table>

31) What was your total truck cost operating in 2006 (equipment, fuel, repairs, insurance, and other costs except wages) in:

$ Per mile for the year _____________________

$ Per ton for the year _____________________

32) What were your total truck cost expenditures for your total business in 2006 (all costs except wages).

________________________________________________________________________

________________________________________________________________________

33) What was your company’s gross revenue in 2006?

________________________________________________________________________

34) What was the average rate you received for log hauling in Washington in 2006, by any or all of the following pay units that are most appropriate?
$ per mile? ____________  $ per load? ____________
$ per hour? ____________  $ per ton? ____________
$ per day? ____________

35) What was the average number of miles driven by a log truck in your company during 2006?
_________________________ Miles

36) What is the average life of:
Trailers in miles ____________  Tractors in miles ____________
Trailers in years ____________  Tractors in years ____________
Truck motor in miles ____________

37) If possible please estimate the average total year volume of timber hauled by a log truck in your
company during 2006? ____________ Tons

38) How difficult is it to find hauling contracts to keep your company operating? (Check one).


39) How would you compare the QUALITY of Washington PAVED roads today as compared to 10 years
ago? (Check one).


40) How would you compare the TRAFFIC on Washington PAVED roads today as compared to 10 years
ago? (Check one).


41) How would you compare the QUALITY of Washington GRAVEL roads today as compared to 10 years
ago? (Check one).


42) What number of weeks of down time per year do you usually experience for fire season, break up, road closures, or other seasonal constraints?______________________________________________________________

43) What number of weeks of down time per year do you usually experience for equipment breakdowns?______________________________________________________________

44) How many weeks in total did you operate in 2006?______________________________________________________________

45) Please estimate how many times your truck got stopped (both weight scales and equipment check) in 2006. If you have more than one truck please estimate the average.______________________________________________________________

46) What was the average length of time for each weight or equipment check stop? ________________

47) Do you get voluntary annual equipment inspections for your trucks?

□ Yes  □ No

If you filled in Yes, does this help reduce time lost for road checks?

□ Yes  □ No

48) Do you plan on investing in equipment in the next five years?

□ Yes  □ No

If yes, what type of equipment will you purchase and how much do you plan to spend?

Equipment: ____________________ Expenditure: ____________________

49) What is the average new replacement cost of basic equipment needed to haul logs?

Trailer ____________________  Tractor ____________________

50) When replacing a truck tractor do you generally purchase? (Check one).

<table>
<thead>
<tr>
<th>A New Truck</th>
<th>A Used Truck</th>
<th>Sometimes New or Used</th>
<th>A Kit</th>
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<tbody>
<tr>
<td></td>
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</table>
51) What factors most influence your decision to purchase new versus used equipment?
____________________________________________________________
____________________________________________________________
____________________________________________________________
____________________________________________________________

52) Do you ever lease equipment for your use?  ☐ Yes  ☐ No
If yes: cost ____________ per ____________

53) What is your annual insurance cost for a truck and trailer? ____________

54) How many of your truck(s) are registered as:

<table>
<thead>
<tr>
<th>Log truck</th>
<th>Combination</th>
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55) What is your annual licensing cost for a truck and trailer? ____________

56) What is the average cost of truck tires? ________________________________

57) What is the average life of tires?
   Trailer tires in miles ____________  Tractor tires in miles ____________
   Trailer tires in months ____________  Tractor tires in months ____________

58) What is your estimated average miles per gallon for your truck(s)?
    ______________________ Miles/gallon.
    What was the average diesel price per gallon that you paid in 2006? ____________ $/gallon.
    What was the highest diesel price per gallon that you paid in 2006? ____________ $/gallon.
    What was the lowest diesel price per gallon that you paid in 2006?
    ______________________ $/gallon.

59) Please estimate the value of your current investment in buildings, office facilities, garages, garage equipment, and other facilities?
____________________________________________________________
60) What is your estimated annual total cost of support personnel (clerks, accountants, mechanics, laborers, etc)?

____________________________________________________________________________________________

61) What is your estimated annual cost for utilities (telephone, electricity, heat, etc.)?

____________________________________________________________________________________________


____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

63) What are the impacts to your company of rising fuel costs and how are you responding to these changes?

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________

64) Have you ever had an accident in your log truck in last five years?

☐ Yes  ☐ No

If yes, please describe the circumstances:

<table>
<thead>
<tr>
<th>Year</th>
<th>Causes</th>
<th>Locations</th>
<th>Cost of damage</th>
<th>Degree of injury</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
<td>_______</td>
</tr>
<tr>
<td>2005</td>
<td>_______</td>
<td>_______</td>
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<td>2004</td>
<td>_______</td>
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<td>2003</td>
<td>_______</td>
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<td>2002</td>
<td>_______</td>
<td>_______</td>
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65) What do you feel is the most dangerous part of your job as a log truck driver?

____________________________________________________________________________________________

____________________________________________________________________________________________

____________________________________________________________________________________________
65) On a scale of 1-5 with 1 as safe and 5 as very dangerous please rate the following job situations relative to possible accident hazard.

Loading logs on the landing _____________
Driving forest roads _____________
Driving county roads _____________
Driving state roads _____________
Driving Interstate roads _____________
Unloading logs at the dump _____________
Putting on and taking off log binders _____________
Other (please specify) ____________________________

66) How much has your productivity changed, for better or worse, between 2000 and 2006? (Indicate the approximate percentage) ______________

67) What factors have most contributed to your productivity change?
____________________________________________________________
____________________________________________________________
____________________________________________________________

68) Is your company currently? (Check one).

<table>
<thead>
<tr>
<th>Losing Money</th>
<th>Breaking Even</th>
<th>Making a Profit</th>
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69) Given your response to the last question, what are your future plans?

<table>
<thead>
<tr>
<th>Retire/Leave Industry</th>
<th>Diversify to Other Trucking Industry</th>
<th>Downsize</th>
<th>Remain the Same</th>
<th>Expand Your Log Hauling Operations</th>
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</table>

70) How would you rate the business environment in WA State for the log hauling industry?

<table>
<thead>
<tr>
<th>Poor</th>
<th>Average</th>
<th>Good</th>
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Why? ____________________________________________________
________________________________________________________
71) What state regulatory factors do you feel have reduced or improved your competitiveness, efficiency, and profitability?

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

72) What do you feel could be done at the state level to improve your business competitiveness?

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

73) What do you feel is the single most critical issue facing the log hauling industry over the next three years?

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

__________________________________________________________________________________________

____________________________________________________________

ADDITIONAL COMMENTS:  *Please attach extra information sheets as may be needed.*
THANK YOU FOR TAKING THE TIME TO COMPLETE THIS SURVEY!

Please place completed survey forms in the enclosed envelop and return to:

Ken Casavant
Washington State University
School of Economics Sciences
PO Box 646210
Pullman, WA 99164-6210