



Helping landowners learn from their peers about harvest options

Thank you for completing this questionnaire. We greatly appreciate your time and assistance in this research so that we can help forest owners like you!

IMPORTANT: Be sure to **save this questionnaire** to a space on your computer before beginning. Remember to **save as you go AND after finishing.**

Please return the completed questionnaire to Lindsay Malone, one of the project researchers, at lindsay@nnrg.org.

Section 1: Forest Ownership

The following questions are about your forest ownership in Oregon and Washington.

1. What county and state is your forest located in?

County (or counties) _____

State _____

2. How many acres of forest do you own?

Acres _____

3. Is your forest acreage contiguous (all together) or in multiple tracts?

It's contiguous (all together)

It's in multiple tracts

Section 2: General Harvest Information

The following questions specifically ask about the conditions and stocking of the stands treated during your harvest.

To provide responses you may need to refer to information in your harvest notice or forest practices application, harvest summary, or forest management plan.

4. When did you complete the harvest?

Year _____

Month _____

5. How many acres did you harvest?

Acres _____

6. How many harvest units were treated during your most recent harvest?

Units _____

7. If you had multiple harvest units – did you track records by each unit or by the harvest as a whole?

Only had one harvest unit

Individual units

Harvest as a whole

Other, please specify: _____

8. What type of harvest did you carry out?

Please select all that apply.

Clearcut

Other even-aged (e.g., shelterwood)

Uneven-aged

Thinning - even spacing

Thinning - variable densities

Other, please specify: _____

9. What were the reasons for the harvest?

Please rank only the THREE most important reasons for the harvest, enter “1” for most important, “2” for second most important reason, “3” for third most important reason. You do not need to rank all of these options.

- Stand health
- Scheduled in forest management plan
- Salvage (e.g. post-storm, post-fire, etc.)
- Restoration objectives (e.g. wildlife habitat, ecosystem enhancement)
- Fire hazards or concerns
- Financial objectives
- Current use taxation requirements
- Other reason, please specify: _____

10. What long-term objectives were you working toward achieving with this harvest?

Please rank only the THREE most important long-term objectives, enter “1” for most important, “2” for second most important reason, “3” for third most important reason. You do not need to rank all of these options.

- Creating habitat for a greater diversity of plants and animals
- Enhancing a specific type of habitat - such as oak woodland, riparian areas, mature forests
- Generating income
- Harvesting a yield of timber over time
- Making the forest more resilient to climate change
- Storing more carbon in the forest
- Other objective, please specify: _____

11. Were there any sensitive areas/no touch areas in the harvest unit or areas excluded from the harvest in the planning area?

Please select all that apply.

Stream buffers

Sensitive no-touch areas (e.g. cultural areas, wetlands, steep slopes)

Buildings or structures in the forest

Roads

Trails

Nesting sites

No, there were no special considerations

Other, please specify: _____

12. If there were restrictions on the harvest, what were they?

Please select all that apply.

Not applicable. There were no restrictions.

Fire closures

Nesting seasons

Soil moisture and ground conditions

Other, please specify: _____

13. What's the topography on most of the harvest unit like?

Flat or gently sloping (under 30% slope)

Sloped (Slopes of 30-50% common)

Steep slopes (much of the unit steeper than 50%)

I'm not sure.

14. What's the steepest slope in the harvest unit?

I'm not sure.

Slope percent: _____%

15. What was the age of the stand at the time of the harvest?

Less than 30 years

30 – 40 years

40 – 60 years

60 – 80 years

More than 80 years

Mixed ages, please specify: _____

16. What was the stand composition before the harvest?

Single conifer species dominant

Multiple conifer species dominant

Mixed hardwood and conifer

Predominantly hardwood

Other, please specify: _____

17. What was the stand composition after the harvest?

Single conifer species dominant

Multiple conifer species dominant

Mixed hardwood and conifer

Predominantly hardwood

Other, please specify: _____

18. What was the canopy structure of the stand before the harvest?

The canopy of the forest is the layer that consists of the tops of trees. Forests may have an even canopy where the majority of the trees are close in height or a canopy with multiple layers, with different heights to the tops of the trees.

One canopy layer

Two canopy layers

Multiple canopy layers

Other, please specify: _____

19. What was the canopy structure of the stand after the harvest?

One canopy layer

Two canopy layers

Multiple canopy layers

Other, please specify: _____

20. What was the stand density (trees per acre) before the harvest?

Under 100 trees per acre

100-200 trees per acre

200-300 trees per acre

300-400 trees per acre

Greater than 400 trees per acre

Other, please specify: _____

21. What was the stand density (trees per acre) after the harvest?

Under 100 trees per acre

100-200 trees per acre

200-300 trees per acre

300-400 trees per acre

Greater than 400 trees per acre

Other, please specify: _____

22. Do you know what the average volume per acre was before the harvest?

Volume is typically described as a thousand board feet per acre or mbf/acre.

I'm not sure.

Yes, it was: _____mbf/acre

23. Do you know what the average volume per acre was after the harvest?

I'm not sure.

Yes, it was: _____mbf/acre

24. Do you know what the basal area of the harvest area was before harvest?

Foresters often describe the density of a forest in terms of its basal area. Basal area is the cross-sectional area of a tree 4.5 feet above ground. The basal area of all trees in a given land area describes the degree to which an area is occupied by trees and is generally expressed in square feet per acre (feet²/acre).

I'm not sure.

Yes, it was: _____

25. Do you know what the basal area of the harvest area was after harvest?

I'm not sure.

Yes, it was: _____

26. Were the trees individually marked, either for harvest or for retention?

Yes, for harvest

Yes, for retention

No marking

Other, please specify: _____

27. Did the harvest treatment create any gaps?

A gap is an opening in the canopy larger than a quarter acre in size.

Yes

No

I'm not sure.

28. How many gaps did you create?

Please tell us the number of gaps and approximate gap size.

Number of gaps _____

Size(s) _____

29. Was there any slash treatment?

Slash is the woody material or debris left on the ground after an area is logged.

Please select all that apply.

No, the slash was not treated

Yes, it was put back on the skid trails

Yes, it was chipped

Yes, it was piled

Yes, it was piled and burned

Yes, it was scattered

Yes, it was masticated (crushed)

Other, please specify: _____

Section 3: Detailed information about harvest volumes and log sorts

The following questions ask you to describe the species harvested, log sorts, wood volumes, and revenues generated from your harvest. To provide responses, you may need to refer to information in your mill receipts, timber excise tax records, and harvest summary reports.

30. What was the total volume harvested?

Indicate the volume as described on your mill receipts or harvest report. Some mill receipts or load tickets may have been measured in tons, others scaled in board-feet. Please enter them each separately, without converting from one to the other.

Tons harvested: _____  Board feet harvested: _____

31. What was the gross income from the harvest?

Gross income is the income before the harvest expenses are taken out. Harvest expenses include: logging, trucking, road work, consultant, taxes, etc.

\$ _____

32. Tell us more about the trees that were harvested.

Fill out the table for species harvested, their sizes, and total log volume harvested as reported on mill receipts (either board feet or tons). Some mill receipts or load tickets would have been scaled in board feet, others measured in tons. Enter the volumes separately, without converting one to the other.

	Species	Minimum harvest diameter (inches)	Maximum harvest diameter (inches)	Average harvest diameter (inches)	Total volume reported by board feet	Total volume reported by tons
	Bigleaf maple					
	Black cottonwood					
	Douglas-fir					
	Oregon white oak					
	Ponderosa pine					
	Red alder					
	Sitka spruce					
	Western red cedar					
	White woods (western hemlock, western white pine, Pacific silver fir, noble fir, grand fir)					
	Other species, please list: _____					

33. Tell us more about the log sorts/product sorts that came out of your harvest.

Fill out the table for each log sort and include species, log volume harvested (either board feet or tons), distance to mill, and gross income. Most harvests produce around 1-6 log sorts, some harvests have upwards of 10 log sorts.

Types of log sorts include - but are not limited to - the following: utility poles, veneer logs, peeler grade, export sawlogs, domestic sawlogs, chip'n'saw, and pulp

The majority of species harvested include: bigleaf maple, black cottonwood, Douglas-fir, Oregon white oak, ponderosa pine, red alder, Sitka spruce, western red cedar, white woods (western hemlock, western white pine, Pacific silver fir, noble fir, grand fir), as well as other species

Log sort	Species	Log volume reported in board feet	Log volume reported in tons	One-way haul distance	Gross income (for sort)
1.				miles	\$
2.				miles	\$
3.				miles	\$
4.				miles	\$
5.				miles	\$
6.				miles	\$
7.				miles	\$
8.				miles	\$
9.				miles	\$
10.				miles	\$
11.				miles	\$
12.				miles	\$

Section 4: On-the-ground decision making

The following questions focus on how harvest decisions were made. Some landowners oversee harvests themselves while others hire foresters or consultants to manage the harvest process.

You may need to refer to information in your forestry services contract, forest excise tax records, or harvest summary report to answer these questions.

34. Did you oversee the harvest yourself?

Yes, I did

No, I hired a forester/consultant to oversee the harvest

Other, please specify: _____

35. If there was a consultant involved in your harvest, please describe the consultant's role. If there was no consultant involved, please skip to Section 5, Question 38.

36. How was the consultant compensated?

Please select all that apply.

Fixed amount

Hourly rate

Percentage of harvest revenue or volume

No compensation

Other, please specify: _____

37. What was the total compensation to the consultant?

\$ _____

Section 5: Logging operations

The following questions focus on the logging activities for your harvest.

You may need to refer to information in your logging contract, harvest operations plan, forest excise tax records, or harvest summary report to answer these questions.

38. What were the most important reasons for selecting the logger?

Please rank the **THREE** most important reasons for selecting the logger, enter “1” for most important, “2” for second most important reason, “3” for third most important reason. You do not need to rank all of these options.

___ Appropriate equipment

___ Availability

___ Cost

___ Experience

___ Recommended by consultant

___ Referral

___ Worked together previously

___ Other reasons for selecting the logger, please specify:

39. How many years of harvesting experience did the logger have?

Years _____

I'm not sure.

40. How many years of thinning experience did the logger have?

Years _____

I'm not sure.

41. What equipment was used to carry out the tree felling for the harvest?

- Hand falling (hand-held chainsaw)
- Mechanical falling (feller-buncher, harvester, or similar)
- A combination of hand falling and mechanical falling
- Other, please specify: _____

42. What equipment was used to carry out the tree processing (the limbing and bucking) for the harvest?

- Hand processing (hand-held chainsaw)
- Mechanized processing
- A combination of hand processing and mechanized processing
- Other, please specify: _____

43. Were trees whole-tree yarded or processed in the woods?

Whole-tree yarding - all components of the tree (tops, limbs) are taken to the processing site that is typically at the landing.

Processed in the woods - the limbs and tops are removed in the area where the tree was felled, then the logs are transported to the landing.

- Whole tree-yarded
- Processed in the woods
- Other method, please specify: _____

44. What equipment was used to carry out the tree skidding for the harvest?

Skidding is the transportation of trees or parts of trees by trailing or dragging them. A designated skid trail is the planned path or route through the forest used to move trees.

- Tracked skidder
- Rubber tired skidder
- Forwarder
- Cable yarding
- Helicopter
- Other skidding method, please specify: _____

45. Please indicate the approximate acreage logged using each skidding method.

Skidding method	Acres treated with this skidding method
Tracked skidder	
Rubber tired skidder	
Forwarder	
Cable yarding	
Helicopter	
Other skidding method, please specify: _____	

46. Were there designated skid trails?

Yes

No

No skidding took place as logging used other removal methods (cable, helicopter).

I'm not sure.

Other, please specify: _____

47. What was the approximate average skidding distance?

0-200 feet

200-400 feet

400-800 feet

Greater than 800

I'm not sure.

Other, please specify: _____

48. Describe any constraints on the skidding (such as maximum log length):

49. Did you need to do any road work (new construction, repairs, culvert installations, or upgrades) as part of the harvest?

Yes

No

Other, please specify: _____

50. What was the cost of road building, upgrading, and maintenance for the harvest?

Road costs were about \$ _____

Road work was included in the price for logging

No costs, no road work was necessary.

I'm not sure.

51. About how many trees were damaged in the course of logging?

Damaged trees pertain to those trees left in the stand after logging is complete – damage includes wounds to the tree trunk, root abrasion, broken limbs or crowns. This question does not apply to the “rub trees” or damaged trees that were removed at the end harvest.

0-5 trees per acre

6-10 trees per acre

11-20 trees per acre

20+ trees per acre

I'm not sure.

Other, please specify: _____

52. Was the logger liable for damage to the trees left standing?

Yes

No

Other, please specify: _____

53. Did the logging contract specify the logging equipment to be used for the harvest?

Yes

No

Other, please specify: _____

54. Did the logging contract specify a timeline for completing the harvest?

Yes, it specified the number of weeks

Yes, it included a hard deadline

No, there was no timeline

Other, please specify: _____

55. Were there any delays in the harvest starting?

No, there were no delays

Yes, there were delays due to the following reasons:

56. How many weeks did it take the logger to complete the harvest?

Number of weeks: _____

57. What was the effective work time (total people days)?

Total number of people on the job each day. For example, if a crew of three worked on the harvest for 10 days, then the effective work time is 30 people days.

Total number of people on the job each day:	
Total people days:	

58. Did the logger own or hire the trucks for shipping logs to mills?

Own

Hire

I'm not sure.

Other, please specify: _____

59. Did the logger own or hire the equipment used for moving the logging equipment to the work site?

Own

Hire

I'm not sure.

Other, please specify: _____

60. How was the logger compensated?

Please select all that apply.

A percentage of gross income

A fixed price per ton

A fixed price per mbf

A percentage of each sort

Other, please specify: _____

61. What was the total cost of the following logging activities:

For some harvests all the costs are included in the price paid to logger; for other harvests the costs of logging, trucking, and cutting are paid separately to different contractors.

Logging activity	\$ amount
Logging	
Trucking (if separate)	
Cutting/falling (if separate)	
Other logging expense, please specify: _____	

Section 6: Post-harvest activities

The following questions focus on the post-harvest activities such as tree planting or other stand maintenance related to the harvest.

You may need to refer to information in your logging contract, consulting contracts, harvest operations plan, or harvest summary report to answer these questions.

62. Did you, or will you, do any tree planting on the harvest site?

Yes, planted already

Yes, intend to plant

No

I'm not sure.

63. What was the total cost of re-establishing the stand?

No costs: I didn't need to because the stand was sufficiently stocked

I'm not sure.

The cost was \$ _____

I haven't planted yet, but the cost is estimated at \$ _____

64. Did you invest any other timber revenue back in the forest after harvest?

After harvest investments might include weed or brush control, road repairs, gate repairs, habitat enhancements, etc.

No

Yes, we invested this amount: \$ _____

65. Of the following tasks, which ones did you complete, or are planning to complete within 3 years post-harvest?

Please select all that apply.

Done	Plan to do	Not Applicable	Task
			Order seedlings
			Prep site for tree planting
			Plant seedlings
			Hire a planting crew
			Hire a forester to oversee planting
			Conduct follow-up treatments to the stand (e.g., invasives or brush control)
			Conduct follow-up treatments to log landings and roads (e.g., ripping/decompacting, weed control, seeding roads)
			Repair roads or make improvements
			Install or repair gates or make improvements
			Create habitat piles with slash
			Other follow up harvest tasks, please specify:

Section 7: Wrap up and next steps

You're almost finished! Thank you so much for your time to answer these questions.

66. If there are any additional comments or concerns that you would like to share, please write them below.

67. May we contact you to follow up on any of these questions?

Yes, the best way to reach me is: _____

No

68. Would you like to receive occasional updates about this project as well as information about workshops where we'll be featuring findings from this research?

Yes, I'd like to receive updates about this project.

No thanks.

69. If you'd like to be kept informed about the progress of this project, please provide your contact information here:

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____

Phone: _____

Email: _____

Please **save this file as a PDF**. Then email your completed questionnaire to:

lindsay@nnerg.org

Thank you for your valuable time and important contribution to this effort to help forest owners like you!



Thank You Gift

We appreciate your taking time to help us with this study. The first 100 participants who complete the survey are eligible to receive a \$50 gift card to a forestry supply retailer.

- Surveys will be reviewed for completion and any necessary follow up prior to sending participants their preferred gift card.
- Forest owners who provide information for multiple harvests may receive a gift card only for the first completed survey.
- We estimate it will take 8-12 weeks to process surveys and distribute gift cards to eligible participants. We appreciate your patience!

Of the following, which \$50 gift card would you prefer?

Please select one option.

- Coastal Farm and Ranch
- Forestry Suppliers (now includes Ben Meadows)
- Pacforest Supply Company
- Wilco Farm Store
- No need to send a gift card

Please tell us the mailing address to send your gift card:

Name: _____

Mailing Address: _____

City: _____ State: _____ Zip: _____