

**Western Washington
Pre-Survey Checklist (Optional for Office and Planning Use)**

FPA #:	Date:	Ownership: SFLO / Industrial		
DNR Survey Lead:	DOE Survey Rep:	WDFW Survey Rep:	Tribal Representative:	Landowner Representative:
Other Attendees: Representing:	Other Attendees: Representing:			

Use separate forms if needed for multiple activities

Forms to Be Completed: (As reported on FPA)

Post survey evaluation Form – Form #1 (always needed)

Road Activities

- _____ Road Construction – Form #2
- _____ Road Abandonment – Form #2
- _____ Landings – Form #2
- _____ Permanent and Temporary Crossings
- _____ Fords on N Waters Form – #2

RMZ

- _____ Salvage Harvest Form – #3
- _____ No Outer Zone Harvest Form #4
- _____ No Inner Zone Harvest- Form #5
- _____ DFC Option 1 – Form #6
- _____ DFC Option 2 – Form #7
- _____ Np/ RMZ Ns ELZ – Form #8
- _____ Wetlands - Form #9
- _____ Supplemental Water Information Form

Pre-Survey Information: (As reported on FPA)

Are there any stream type modification forms for this application? _____

Type S or F RMZ

Stream Segment Identifier or Location _____

Harvest in Inner Zone: Y / N Zone Requirements: _____ Inner Zone Width _____ Outer Zone Width _____

Site Class on FPA/N: I / II / III / IV / V Site Class on FPARS: I / II / III / IV / V

(Map for reference)

Stream Width on FPA: >10 ft / ≤10 ft _____ Stream Length: _____ ft

Harvest planned within 75' of BFW/CMZ N____ Y____ (requires shade documentation)

Western Washington Pre-Survey Checklist (Cont'd)

Core Zone Basal Area: _____ ft²/acre Dominant Species: Douglas fir / Hemlock
Option 1 Max dbh for thin: _____" dbh Option 2 Floor Width: _____ ft
Option 2 Total leave trees required: _____ Inner Zone _____ Outer Zone _____
Outer Zone Basal Area Credit for: CMZ / LWD / Floor Zone (Option 2 Only) _____
Outer Zone Placement Strategy: Dispersed / Clumped Sensitive Area / Clumped
Alternate Plan map included? _____ Alternate Plan ID Team Notes Included? _____

Type Np RMZ

Stream Segment Identifier or Location _____

Harvest within 50' of bfw: Yes / No Length of Np Water: _____ ft

Water Type Modification info on FPA: Y / N

Sensitive Features: 50' _____ Headwall Seep _____ Side-slope Seep
 56' _____ 2 or more Np's _____ PIP/UMPPF _____ Headwall Spring

Type Ns ELZ

Stream Segment Identifier or Location _____

Water Type Modification info on FPA: Y / N

Road Activities

(Maps from FPA should be brought on survey to guide analysis)

Total Length of New Road Construction on FPA: _____ ft

Road Maintenance on FPA: Yes / No

Water Crossings: Bridge / Culvert / Temp Bridge / Temp Culvert / Ford

Proximity of Road Work to Typed Water: In or Over / Potential to Deliver / No Potential to Deliver

Number of Landings: _____

Pre-Survey Comments or Communications:

Western Washington Form #1 Post Survey Evaluation

FPA #	Ownership: SFL / Industrial	Time Spent:	Terrain: 0% - 30 / 31% - 50%/ >51%	Vegetation: Open / Brushy/ Very Brushy/ blowdown
Date				
DNR Survey Lead:	DOE Survey Rep:	WDFW Survey Rep:	Other Attendees:	Other Attendees:
			Representing:	Representing:
Other Attendees:	Other Attendees:	Other Attendees:	Other Attendees:	Other Attendees:
Representing:	Representing:	Representing:	Representing:	Representing:

Forms Completed: (As reported on FPA and required per the sampling allocation)

Post survey evaluation Form – Form #1 (always needed)

Road prescriptions

_____ Road Construction – Form #2

Riparian prescriptions

Salvage Harvest Form _____

No Outer Zone Harvest Form #4 _____

No Inner Zone Harvest- Form #5 _____

DFC Option 1 – Form #6 _____

DFC Option 2 – Form #7 _____

Np/ RMZ Ns ELZ – Form #8 _____

Wetlands - Form #9 _____

Supplemental Water Information Form _____

Western and Eastern Washington Roads Form #2

FPA # _____ Date: _____ Primary WRIA _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF), IND=Indeterminate

General Questions

1. Were roads out sloped, insloped, crowned, ditched or bermed to prevent sediment delivery? Y / N / NA / NC
2. Were erodible soils disturbed during construction stabilized to prevent the potential to deliver to typed waters? Y / N / NA / NC
3. Were drainage structures installed at locations of seeps and springs to route water under the road prism to the forest floor to maintain hydrologic connectivity? Y / N / NA / NC
4. Was all diverted water returned to the basin from which it came? Y / N / NA / NC
5. Were cross drains, sediment traps, ditchouts, water bars, or other Best Management Practices utilized to prevent sediment delivery? Y / N / NA / NC
6. Were all relief structures \geq 18 inches in diameter? Y / N / NA / NC
7. Do relief structures effectively capture and pass ditch-line flow? Y / N / NA / NC
8. Were diversion structures placed close enough to streams to divert most sediment to the forest floor? Y / N / NA / NC
9. When water was routed to erodible soils, were relief culverts appropriately armored and/or vegetated to minimize scour? Y / N / NA / NC
10. Where the potential for sediment delivery existed, was full bench construction utilized for roads built on slopes greater than 60%? Y / N / NA / NC
11. If road construction produced end haul materials, were they placed in stable areas to prohibit the entry of material into the 100-year flood plain? Y / N / NA / NC
12. Were rock armor headwalls and rock armored ditchblocks installed for drainage structure culverts located on erodible soils where the road has a gradient greater than 6%? Y / N / NA / NC

Stream Crossings

13. Does new road construction minimize stream crossings? Y / N / NA / NC
14. Were alterations to the stream bed, bank and bank vegetation limited to that necessary for construction of the project? Y / N / NA / NC

Western and Eastern Washington Roads Form #2(Cont'd)

15. Do roads run across typed water at a right angle? Y / N / NA / NC
16. Were culverts located and designed to minimize sediment delivery at stream crossings? Y / N / NA / NC
17. Are the locations and types of all stream crossings shown on the FPA? Y / N / NA / NC
18. Was water typed correctly on all waters using physical criteria or a water type change/modification? *(If no complete SWIF)* Y / N / NA / NC

Type N and wetland Crossings:

19. Are the alignment and slope of all culverts on grade with the natural streambed? Y / N / NA / NC
20. Are all culverts at least 24 inch dia. for Type Np waters and 18 inch dia. for Type Ns waters? Y / N / NA / NC
21. Do the entrances to all culverts have adequate catch basins and headwalls to minimize the possibility of erosion or fill failure? Y / N / NA / NC
22. Was slash or debris that reasonably may be expected to plug the culvert cleared for a distance of 50 feet above the culvert? Y / N / NA / NC
23. Did the culvert installation prevent scouring of the stream bed and erosion of the banks in the vicinity of the project? Y / N / NA / NC
24. Is there a written plan for the abandonment and restoration of crossings? Y / N / NA / NC

Type N Fords

25. Does the ford, its embankments and fills have erosion protection to withstand a 100-year flood? Y / N / NA / NC
26. Is the alignment and slope of the ford on grade with the natural flow of the streambed? Y / N / NA / NC
27. Are entry and exit points for each ford located as close to perpendicular to the stream as possible? *(Not running adjacent or parallel)* Y / N / NA / NC
28. Are entry and exit points for each ford within 100 feet upstream or downstream of each other? Y / N / NA / NC

Bogs and Wetlands

29. Were all bogs or low nutrient fens completely avoided? Y / N / NA / NC
30. Was there any road construction in a wetland? Y / N / NA / NC
31. If #30 is yes, was the road prism and road length minimized in the wetland? Y / N / NA / NC

Western and Eastern Washington Roads Form #2 (Cont'd)

32. If #30 is yes, and if > .5 acre of a wetland were filled or drained due to Activities; was the required replacement by substitution or enhancement completed? Y / N / NA / NC

Temporary Roads

33. Was the road designed and permitted to be temporary? Y / N / NA / NC

34. Was the road constructed in a manner to facilitate closure and abandonment when the intended use is completed? Y / N / NA / NC

35. Did the road design and culverts provide the same level of protection to public resources as required by the rules during the length of its use? Y / N / NA / NC / IND

Road Abandonment

36. Was the road blocked so that four-wheel highway vehicles cannot pass the point of closure at the time of abandonment? Y / N / NA / NC

37. Were roads out-sloped, water barred, or otherwise left in a condition to control erosion and maintain water movement within wetlands and natural drainages? Y / N / NA / NC

38. Were ditches left in a suitable condition to reduce erosion? Y / N / NA / NC

39. Were water crossing structures and fills on all typed waters removed? Except where the department has determined other measures would provide adequate protection to public resources. Y / N / NA / NC

40. Were the slopes remaining from the crossing structure removal left in a condition to minimize sediment delivery to typed water? Y / N / NA / NC

41. Was the road abandonment date identified on the FPA? Y / N / NA / NC

42. Was the road abandonment completed by the date indicated? Y / N / NA / NC / IND

43. Was the road abandonment completed by the date of this field review? Y / N / NA / NC

Landings

44. Were truck roads, skid trails, and fire trails out sloped or cross drained uphill of landings and the water diverted to the forest floor away from the toe of the landing? Y / N / NA / NC

45. Are there any spoils located within the boundaries of Type A or B Wetlands or there WMZ's, or within the boundaries of a forested wetland without written approval from the department? Y / N / NA / NC

Western and Eastern Washington Roads Form #2 (Cont'd)

46. Was the landing sloped to minimize accumulation of water on the landing? Y / N / NA / NC
47. Where there was a potential for excavated materials to enter a WMZ or the bankfull width of any stream, or the 100-year floodplain, did the landowner endhaul the materials? Y / N / NA / NC /IND
48. Was the location of the landing outside of natural drainage channels, CMZs, RMZs, Type A or B wetlands and WMZs and forested wetlands? Y / N / NA / NC
49. Are there any piles of debris that are perched and pose a risk of delivering to typed waters? Y / N / NA / NC

Compliance with the FPA and the Rules

50. Was the road activity in compliance with the approved application? Y / N / NA / NC / IND
51. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND
52. Was the road activity in compliance with the rules? Y / N / NA / NC / IND
53. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND
- If non-compliant, describe the contributing factors in the appropriate category in the table below?**

Administrative	
Layout	
Operational	

Western and Eastern Washington Roads Form #2 (Cont'd)

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Western Washington Salvage Harvest Form #3

FPA # _____ Date: _____ Site Class: _____ Segment ID: _____ WRIA _____

FPA includes: Fire Salvage _____ Windthrow _____

FPA Stream Size: Small _____ Large _____ C/M Stream Size: Small _____ Large _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Is there any salvage within the BFW of any typed water, Core Zone, or CMZ, including any portion of those trees that may have fallen outside of these zones? Y / N / NA / NC
2. Is the site class on FPA consistent with DNR site class maps? Y / N

Salvage in the Inner Zone:

3. Does the residual stand meet DFC requirements including down trees that originated from the Inner Zone? Y / N / NA / NC
4. If the proposed salvage involves down wood, was the following down wood requirement in the Inner Zone left after the salvage logging? Y / N / NA / NC / IND

Logs w/ a solid core	< 1-ft diameter	1-2 ft diameter	>2 ft diameter	Total
# of logs/acre	85	83	26	194

5. Was the salvage operation conducted to protect residual undamaged trees within the Inner Zone? Y / N / NA / NC

Salvage in the Outer Zone:

6. Does the residual stand meet the leave tree requirements (i.e. 20 TPA) including down trees that originated from the Outer Zone? Y / N / NA / NC
7. If no Outer Zone salvage was proposed, was there any salvage within the Outer Zone? Including any portion of those trees that may have fallen outside of it? Y / N / NA / NC

Compliance with FPA and the Rules

8. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND
9. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND

Western Washington Form #3 (Cont'd)

10. Was the applied prescription in compliance with the rules?

Y / N / NA / NC / IND

11. If non-compliant with the rule what is the severity rating

Low / Moderate / High / NC / IND

If non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to DNR compliance monitoring program manager. (jpgs are okay as long as descriptions are attached.)

Western Washington Form #4

S or F No Outer Zone Harvest

FPA # _____ **Date:** _____ **Site Class:** _____ **Segment ID:** _____ **WRIA** _____

FPA Stream Size: Small _____ **Large** _____ **C/M Stream Size: Small** _____ **Large** _____

1. Was there any harvest in the Core Zone? Y / N / NC
 2. Was there any harvest in the Inner Zone? Y / N / NC
 3. Was there any harvest in the Outer Zone? Y / N / NA / NC
 4. Is the site class on FPA consistent with DNR site class maps? Y / N / NC / IND
 5. Stream size consistent with FPA? Y / N / NC / IND
 6. If no, did the discrepancy influence the Inner Zone width?
(*should the stream be > 10 ft bfw or ≤10 ft bfw?*) Y / N / NA / NC
 7. Were unstable slopes with the potential to deliver bounded out of the harvest unit? Y / N / NA / NC / IND
 8. Was there a regulatory CMZ that was not reported on the FPA?
(*If yes, complete SWIF*) Y / N / NC / IND
-

No Outer Zone Harvest Compliance with FPA and the Rules

8. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND
9. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND
10. Was the applied prescription in compliance with the rules? Y / N / NA / NC / IND
11. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND

Continued on next page

If non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Western Washington Form #5

S or F No Inner Zone Harvest

FPA # _____ **Date:** _____ **Site Class:** _____ **Segment ID:** _____ **WRIA** _____

FPA Stream Size: Small _____ **Large** _____ **C/M Stream Size: Small** _____ **Large** _____

Outer Zone leave tree strategy- Dispersed _____ **Or Clumped on sensitive features** _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Was there any harvest in the Core Zone? Y / N / NC
2. Was there any harvest in the Inner Zone? Y / N / NC
3. Is the site class on FPA consistent with DNR site class maps? Y / N / NC / IND
4. Were unstable slopes with the potential to deliver bounded out of the harvest unit? Y / N / NA / NC / IND
5. Was the stream size reported on FPA consistent with the field observation?
(If no, complete SWIF) Y / N / NA / NC
6. If no, did the discrepancy influence the Inner Zone width?
(should the stream be > 10 ft bfw or ≤10 ft bfw?) Y / N / NA / NC
7. Was any harvest planned within 75' of BFW? Y / N
8. Did harvest occur within 75' of BFW? Y / N
9. If yes to #7 and #8, was the required shade documentation included with the FPA? Y / N / NA
10. Was there a regulatory CMZ that was not reported on the FPA?
(If yes, complete SWIF) Y / N / NC / IND

Outer Zone Leave Trees:

11. Were the correct number and type of trees left in the Outer Zone for the chosen strategy? Y / N / NC / IND
(Exchange for CMZ, LWD and 20 TPA)

No Inner Zone Harvest Compliance with FPA and the Rules

12. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND
13. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND
14. Was the applied prescription in compliance with the rules? Y / N / NA / NC / IND
15. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND

If non-compliant, describe the contributing factors in the appropriate category in the table below.

Administrative	
Layout	
Operational	

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Western Washington Form #6

S or F RMZ: Inner Zone Harvest (DFC Option 1) Thinning from below

FPA # _____ Date: _____ Site Class: _____ Segment ID: _____ WRIA _____

FPA Strm Size: Small ___ Large ___ C/M Strm size: Small ___ Large ___ DFC version: _____

Outer Zone leave tree strategy- Dispersed _____ Or Clumped on sensitive features _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Is the tree species composition consistent with the DFC Worksheet? Y / N / NC / IND
2. Is the site class on FPA consistent with DNR site class maps? Y / N / NC / IND
3. Were unstable slopes with the potential to deliver bounded out of the harvest unit? Y / N / NA / NC / IND
4. Was there any harvest in the Core Zone? Y / N / NA / NC
5. Was there harvest in the Inner Zone of any trees larger than the thinning strategy allows? *(If yes, describe the situation in the comment section at end of form.)* Y / N / NA / NC
6. Was the RMZ length reported on the FPA's DFC worksheet within 10% of the measured value in the field? *(If no, note the difference in comment section.)* Y / N / NA / NC
7. Was the stream size reported on FPA consistent with the field observation? *(If no, complete SWIF)* Y / N / NA / NC
8. If no, did the discrepancy influence the Inner Zone width? *(Should the stream be > 10 ft bfw or ≤10 ft bfw?)* Y / N / NA / NC
9. Was there a regulatory CMZ that was not reported on the FPA? *(If yes, complete form SWIF)* Y / N / NC / IND
10. Was any harvest planned within 75' of BFW? Y / N / NC
11. Did harvest occur within 75' of BFW? Y / N
12. If yes to #11, was the required shade documentation included with the FPA? Y / N / NA

Inner Zone Leave Tree Requirements:

-
13. Were the largest ≥ 57 conifer TPA left in the Inner Zone? Y / N / NA / NC
-

Western Washington Form #6 (Cont'd)

Outer Zone Leave Trees

14. Were the correct number and type of trees left in the Outer Zone for the chosen strategy? (Exchange for CMZ, LWD and 20 TPA) Y / N / NC / IND

Compliance with FPA and with the Rules:

15. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND

16. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND

17. Was the applied prescription in compliance with the rules? Y / N / NA / NC / IND

18. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND

If non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to DNR compliance monitoring program manager. (jpgs are okay as long as descriptions are attached.)

Western Washington Form #7

S or F Inner Zone Harvest (Option 2) Leaving trees closest to the stream

FPA # _____ Date: _____ Site Class: ____ Segment ID: ____ DFC version: _____

FPA Stream Size: Small ___ Large ___ C/M Stream Size: Small ___ Large ___ WRIA _____
Outer Zone leave tree strategy- Dispersed _____ Or Clumped on sensitive features _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Is the tree species composition consistent with the DFC Worksheet? Y / N / NC / IND
2. Is the site class on FPA consistent with DNR site class maps? Y / N / NC / IND
3. Were unstable slopes with the potential to deliver bounded out of the harvest unit? Y / N / NA / NC / IND
4. Was there any harvest in the Core Zone? Y / N / NA / NC
5. Was any harvest planned within 75' of BFW? Y / N / NC
6. Did harvest occur within 75' of BFW? Y / N
7. If yes to #6, was the required shade documentation included with the FPA? Y / N / NA
8. If yes to #11, was the required shade documentation included with the FPA? Y / N / NA
9. Were 20 trees per acre $\geq 12''$ dbh left in the outer portion of the Inner Zone? Y / N / NA / NC
10. Was there any harvest in the Floor Zone?
(If yes, describe the situation in the comment section below.) Y / N / NA / NC
11. Was the RMZ length reported on the FPA's DFC worksheet within 10% of the measured value in the field? If no, note the difference in comment section. Y / N / NA / NC
12. Was the stream size reported on FPA consistent with the field observation?
(If no, complete SWIF) Y / N / NA / NC
13. If no to #8, did the discrepancy influence the Inner Zone width?
(i.e. Should the stream be >10 ft bfw or ≤ 10 ft bfw?) Y / N / NA / NC
14. Was there a regulatory CMZ that was not reported on the FPA?
(If yes, complete form SWIF) Y / N / NC / IND

Continued next page

Western Washington Form #7 continued

Outer Zone Leave Tree Strategy: only answer the questions that apply to the strategy specified in the FPA.

15. Were the correct number and type of trees left in the Outer Zone for the chosen strategy?
 (Exchange for CMZ, LWD and 20 TPA) Y / N / NC / IND

Compliance with FPA and with the Rules:

16. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND

17. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND

18. Was the applied prescription in compliance with the rules? Y / N / NA / NC / IND

19. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND

If non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Western Washington Form #8

Np and Ns Streams

FPA # _____ Date: _____ Segment ID: _____ WRIA: _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

This FPA included: Ns _____; Np _____; N(undesignated) _____; U _____; X ed out _____
If any undesignated N, U, or X ed out streams on FPA fill out SWIF comment section.

Water type: Use note templates and measurement protocols to gather information on BFW and gradient over a segment of at least 500 feet as per WAC 222-16-031(6) (f). Provide any information regarding typing information provided by LO, uncertainties, or possible questions on stream typing. Fill out SWIF for any segments that appear to be mistyped.

30-foot Equipment Limitation Zone (Ns):

- 1. Is the Ns stream consistent with the type reported on the FPA? Y / N / IND / NC / NA
(If no complete SWIF)
- 2. Is there evidence of equipment entry into the 30 ft Equipment Limitation Zone? Y / N / NC / NA
(A Yes answer does not necessarily indicate non-compliance)
- 3. Was less than 10% of the soil within the ELZ exposed due to activities? Y / N / NA / NC
- 4. If >10% of soil was exposed, were mitigation measures completed? Y / N / NA / NC / IND

Np Water RMZ:

- 5. Is the Np stream consistent with the type reported on the FPA? Y / N / IND / NC / NA
(If no complete SWIF)

For the harvested portion of the Np RMZ

- 6. Is there evidence of equipment entry into the 30 ft Equipment Limitation Zone? Y / N / NC / NA
(A Yes answer does not necessarily indicate non-compliance)
- 7. Was less than 10% of the soil within the ELZ exposed due to activities? Y / N / NA / NC
- 8. If >10% of soil was exposed, were mitigation measures completed? Y / N / NA / NC / IND

For the buffered portion of the Np RMZ

- 9. Was the appropriate length of 50 foot no harvest zone left on the given stream segment? Y / N / NA / NC
Refer to WAC 222-30-021 (2) (b) (i-vii) or the "Western Washington Type Np RMZ Worksheet" in the Compliance Monitoring Protocols (as taken from the FPA instructions).
- 10. Was the reported stream length within 10% of the length measured in the field? Y / N / NA / NC
(If not, you must provide explanation in comments below.)
- 11. Was there harvest within the required 50 foot no harvest RMZ? Y / N / NA / NC
- 12. Was all harvest away from alluvial fans? Y / N / NA / NC
- 13. Was all harvest greater than 50 feet from headwall seeps and springs? Y / N / NA / NC

Western Washington Form #8 (Cont'd)

14. Was all harvest greater than 56 feet from all PIP/UMPPF, and the confluence of two or more Type Np streams? Y / N / NA / NC
15. Were unstable slopes with the potential to deliver bounded out of the harvest unit? Y / N / NA / NC / IND
16. Is there salvage within the RMZ of any Type Np stream or sensitive site? Y / N / NA / NC

Ns Compliance with FPA and with the Rules:

17. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND
18. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND
19. Was the applied prescription in compliance with the rules? Y / N / NA / NC / IND
20. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND

If Ns non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Np Compliance with FPA and with the Rules:

21. Was the applied prescription in compliance with the approved application? Y / N / NA / NC / IND
22. If non-compliant with the application what is the severity rating Low / Moderate / High / NC / IND
23. Was the applied prescription in compliance with the rules? Y / N / NA / NC / IND
24. If non-compliant with the rule what is the severity rating Low / Moderate / High / NC / IND

If Np non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Comments and field observations

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to DNR compliance monitoring program manager. (jpgs are okay as long as descriptions are attached.)

Western Washington Form #9

Type A or B WMZ and Forested Wetlands

FPA # _____ Date: _____ Segment ID: _____ WRIA _____

Y= Yes, N=No, NA = Not applicable, NC =No consensus (Defer to FPF)

1. Were the wetlands typed and sized appropriately on the ground, and consistent with the FPA? (If no, explain in comment section of this form and fill out SWIF) Y / N / NA / NC
2. Is the variable buffer width appropriate relative to the WMZ table in WAC 222-30-020 (7) (a)? Y / N / NA / NC
3. Where operations were conducted within the WMZ, were the resulting openings less than 100 feet wide? (*as measured parallel to wetland edge*) (If no, explain in comment section.) Y / N / NA / NC
4. Where operations were conducted within the WMZ, were the resulting openings closer than 200 feet from each other? (*as measured parallel to wetland edge*)? (If no, explain in comment section.) Y / N / NA / NC

Type A Wetlands:

5. Are the leave trees in the WMZ representative of species found in the pre-harvest condition of the WMZ area? (*evaluate stumps*) Y / N / NA / NC
6. Were any ground based harvesting systems used within the minimum WMZ without written approval by the Department? Y / N / NA / NC
7. When WMZs overlap an RMZ, was the requirement which best protects public resources applied? Y / N / NA / NC / IND
8. If any timber was felled into or cable yarded across Type A or B Wetlands, was there written approval by the Department? Y / N / NA / NC

Answer questions 9-11 if <10% of the harvest is within the WMZ or if question #12 criteria are not met.

9. Within the WMZ, are there a total of 75 TPA greater than 6 inches dbh? Y / N / NA / NC
10. Of the 75 TPA in the WMZ, are at least 25 of these greater than 12 inches dbh, where they existed? Y / N / NA / NC
11. Of the 25 TPA in the WMZ that are greater than 12 inches dbh, are at least 5 of these greater than 20 inches dbh, where they existed? Y / N / NA / NC

Western Washington Form #9 (Cont'd)

Answer 12 if $\geq 10\%$ of the unit is within a WMZ.

12. Answer the following: Y / N / NA / NC
- a. Is the harvest unit a clear-cut less than 30 acres?
If yes, go to d
If no, go to c
 - b. Is the harvest unit is a partial cut less than 80 acres?
If yes, go to d
If no, answer questions 9-11
 - c. Did the Landowner leave 38 TPA in the WMZ greater than 6 inches dbh, 13 of which are greater than 12 inches dbh, including 3 trees 20 inches dbh where they exist?

Type B Wetlands:

13. Are the leave trees in the WMZ representative of species found in the pre-harvest condition of the WMZ area? (*evaluate stumps*) Y / N / NA / NC
14. Were any ground based harvesting systems used within the minimum WMZ without written approval by the Department? Y / N / NA / NC
15. When WMZs overlap an RMZ, was the requirement which best protects the public resource applied? Y / N / NA / NC / IND
16. If any timber was felled into or cable yarded across Type A or B Wetlands, was there written approval by the Department? Y / N / NA / NC

Answer questions 17-19 if $< 10\%$ of the harvest is within the WMZ or if #20 criteria was not met.

17. Within the WMZ, are there a total of 75 TPA greater than 6 inches dbh? Y / N / NA / NC
18. Of the 75 TPA in the WMZ, are at least 25 of these greater than 12 inches dbh, where they existed? Y / N / NA / NC
19. Of the 25 TPA in the WMZ that are greater than 12 inches dbh, are at least 5 of these greater than 20 inches dbh where they existed? Y / N / NA / NC

Western Washington Form #9 (Cont'd)

Answer 20 if more than 10% of the unit is within a WMZ.

20. Answer the following:

- a. Is 10% of the unit within a WMZ?
If yes go to b.
If no you are done with this question
- b. Is the harvest unit a clear-cut less than 30 acres?
If yes, go to d
If no, go to c
- c. Is the harvest unit is a partial-cut less than 80 acres?
If yes, go to d
If no, you are done with this question
- d. Did the Landowner leave 38 trees per acre in the WMZ greater than 6 inches dbh, 13 of which are greater than 12 inches dbh, including 3 trees 20 inches dbh where they exist? Y / N / NA / NC

Forested Wetland:

- 21. If harvest occurred within forested wetlands, was the harvest method limited to low impact harvest or cable systems? Y / N / NA / NC / IND
- 22. If a forested wetland exists within the boundaries of a harvest unit and the area of the wetland is greater than 3 acres, were the approximate boundaries delineated and shown on the activity map by the applicant? Y / N / NA / NC

Type A Wetland Compliance with FPA and the Rules:

- 23. Is the harvest in compliance with the approved application? Y / N / NA / NC / IND
- 24. If non-compliant with the application, what is the severity rating? Low/Mod/High/NC/IND
- 25. Is the harvest in compliance with the rules? Y / N / NA / NC / IND
- 26. If non-compliant with the rules, what is the severity rating? Low/Mod/High/NC/IND

If A Wetland is non-compliant, describe the contributing factors in the appropriate category in the table below.

Administrative	
Layout	
Operational	

Type B Wetland Compliance with FPA and the Rules:

27. Is the harvest in compliance with the approved application? Y / N / NA / NC / IND
28. If non-compliant with the application, what is the severity rating? Low/Mod/High/NC/IND
29. Is the harvest in compliance with the rules? Y / N / NA / NC / IND
30. If non-compliant with the rules what is the severity rating? Low/Mod/High/NC/IND

If B wetland is non-compliant, describe the contributing factors in the appropriate category in the table below.

Administrative	
Layout	
Operational	

Forested Wetland Compliance with FPA and the Rules:

31. Is the harvest in compliance with the approved application? Y / N / NA / NC / IND
32. If non-compliant with the application, what is the severity rating? Low/Mod/High/NC/IND
33. Is the harvest in compliance with the rules? Y / N / NA / NC / IND
34. If non-compliant with the rules, what is the severity rating? Low/Mod/High/NC/IND

If forested wetland is non-compliant, describe the contributing factors in the appropriate category in the table below?

Administrative	
Layout	
Operational	

Western Washington Form #9 (Cont'd)

Attach any photo documentation to this form or send labeled photos with date, FPA #, and description to DNR compliance monitoring program manager. (jpgs are okay as long as descriptions are attached.)

Comments and field observations (reasons for any out of compliance calls, tree counts, etc) Use back if needed.

Signatures

DNR lead _____ **Date** _____

DFW _____ **Date** _____

ECY _____ **Date** _____

Tribe _____ **Date** _____

_____ **Date** _____

_____ **Date** _____

Supplemental Water Information Form 2013

FPA # _____ Date _____ WRIA _____ Segment ID# _____

Water/Wetland Type: Reported Found

- 1. Does this water or wetland appear to be incorrectly typed on the FPA? Y N NC IND (If YES, NC or IND to question 1, explain in comments and fill out appropriate section below.)
- 2. Was water type indicated on FPA different than that on the DNR hydro layer? Y N (If yes to question 2, explain: FPA water type _____; DNR hydro layer water type _____)
- 3. Was documentation that the applicant verified water types included with the FPA? Y N (If yes to question 3, check all that apply: WTCW __, WTMF __, Protocol Survey __, Other __), (WTMF # _____).
- 4. Were physicals used to characterize water types in the above documentation (if any) accurate (e.g. BFW, gradient, basin size, barriers, channel connectivity, etc.)? Y N NA NC IND (If NO, NC or IND to question 4, explain in comments, and fill out appropriate section below.)
- 5. Was there a stream indicated on FPA that did not exist on the ground? Y N NC IND (If YES, what was the water type on the FPA? _____)
- 6. Was there a stream found on the ground that was not indicated on FPA? Y N NC IND (If YES, what was the apparent water type for the stream? _____)
- 7. Was the stream size consistent with that reported on the FPA? Y N NA NC IND
- 8. If NO, NC or IND to question 7, would the discrepancy affect buffer width? Y N NC IND
- 9. Were there stream associated wetlands that were not included in the stream buffer determination? (If yes, what was the stream type? _____) Y N NA NC IND
- 10. Was there a CMZ that was not reported on the FPA? Y N NA NC IND (Describe any/all indicators of possible CMZ in comments)

11. Type S/F vs. Type N: Check all that apply

- BFW indicated on FPA was different than that observed (FPA width _____; Found width _____)
- Gradient from FPA was different than that observed (FPA gradient _____; Found gradient _____)
- Basin size appeared to be the default physical used, and appeared to be inaccurate (BFW and gradient both met Type F physicals, but box still checked on WTCW)
- Fish passage barrier was not described accurately (describe in comments)
- Type break placed at temporary barrier (logjam, etc.) or man-made barrier (culvert, etc.)
- Dry reach or stream inappropriately treated as Type N
- Fish observed in water described by applicant as non-fish water
- Pond or wetland with ponded water >1/2 acre not treated as Type F, absent protocol survey
- Water labeled other than Type F appeared to meet Type F physicals (describe in comments)

12. Type Np vs. Type Ns: Check all that apply

- Stream described as Ns appeared to be Np, or vice versa (explain in comments)
- PIP/UMPPF location appeared to be incorrect (on FPA __; on ground __ Explain in comments)

13. Type Ns vs. untyped water: Check all that apply

- Applicant stated that channel does not connect to higher order water, but in fact it does
- Stream indicated as Ns on FPA did not actually connect to higher order water

14. Wetlands: Check all that apply

- Wetland appeared to be typed incorrectly; FPA Type _____ Observed Type _____
- Wetland appeared to meet default physical criteria for Type F water (describe in comments)
- Wetland was stream-associated with a typed stream (If so, what was stream type? _____)
- Wetland size was not accurately described on FPA; FPA size _____ Observed size _____
- Wetland found on the ground that was not indicated on FPA; (Type _____)
- Wetland indicated on FPA that was not found on the ground

Comments:

Signatures of participants

Ecology _____

WDFW _____

DNR _____

Tribes (specify) _____

Other(s) _____