Worksheet for North Idaho Grand Fir (NIGF) Forest Type - Option 1 (60/30)

INNER ZONE

Stream Length Surveyed = | 200 | X | 25' (inner zone width) / 43560 (sq. ft. per acre) | = | 0.115 | Acres

DBH Class	NIGF RS/Tree values		Acres		RS value per tree	X	Trees Surveyed		RS per DBH Class		Cut Tree RS Value			Retained RS per DBH Class
4-7.9	0.097	÷	0.115	=	0.845	X	7	=	5.915	-	cut 1	0.845	=	5.070
8-11.9	0.209	÷	0.115	=	1.821	X	5	=	9.104	-	cut 1	1.821	=	7.283
12-15.9	0.347	÷	0.115	=	3.023	X	4	=	12.092	-			=	12.092
16-19.9	0.506	÷	0.115	=	4.408	X	3	=	13.225	-			=	13.225
20-23.9	0.683	÷	0.115	=	5.950	X	2	=	11.901	-	cut 1	5.950	=	5.950
24-27.9	0.878	÷	0.115	=	7.649	X	1	=	7.649	-			=	7.649
28 +	1.088	÷	0.115	=	9.479	X	1	=	9.479	-			=	9.479

Total RS * = | 69.36 |
(sum of RS/DBH Class)

Retained RS** = | 60.75 |
(sum of Retained RS/DBH Class)

* Total RS must be > 60 or no inner zone harvest may occur

** Retained RS must be > or = 60 RS following harvest

OUTER ZONE

Stream Length Surveyed = | 200 | X | 50' (outer zone width) / 43560 (sq. ft. per acre) | = | 0.23 | Acres

DBH Class	NIGF RS/Tree values		Acres		RS value per tree	X	Trees Surveyed		RS per DBH Class		Cut Tree RS Value			Retained RS per DBH Class
4-7.9	0.097	÷	0.230	=	0.423	X	7	=	2.958	-	cut 2	0.845	=	2.113
8-11.9	0.209	÷	0.230	=	0.910	X	10	=	9.104	-	cut 4	3.642	=	5.462
12-15.9	0.347	÷	0.230	=	1.512	X	10	=	15.115	-	cut 4	6.05	=	9.069
16-19.9	0.506	÷	0.230	=	2.204	X	7	=	15.429	-	cut 4	8.82	=	6.612
20-23.9	0.683	÷	0.230	=	2.975	X	3	=	8.925	-	cut 2	5.950	=	2.975
24-27.9	0.878	÷	0.230	=	3.825	X	2	=	7.649	-	cut 1	3.825	=	3.825
28 +	1.088	÷	0.230	=	4.739	X	1	=	4.739	-	cut 1	4.739	=	0.000

Total RS * = | 63.92 |
(sum of RS/DBH Class)

Retained RS** = | 30.06 |
(sum of Retained RS/DBH Class)

* Total RS must be > 30 or no outer zone harvest may occur

** Retained RS must be > or = 30 RS following harvest

INSTRUCTIONS:

1) Measure "Stream Length Surveyed" by measuring the length (in feet) of the stream that is adjacent to the Stream Protection Zone being considered for harvest. When harvesting both sides of a stream measure them seperately.

2) Calculate "Acres" by multiplying the "Stream Length Surveyed" by the width of the zone being measured (25 or 50 feet) and dividing by 43,560 square feet per acre.

3) Input the "Acres" number into each of the lines in the table under the "Acres" category.

4) Divide the "NIGF RS/ac values" by the "Acres" in each row this will give you a "Relative Stocking value per tree" which you fill in under that category.

5) Count the number of live trees in each "Diameter Breast Height Class," and fill in the number on the table according to the DBH Class under the "Trees Surveyed" column.

6) In each row multiply "RS value per tree" X "Trees Surveyed" this gives you "RS per DBH Class," fill in those values under the column "RS per DBH Class."

7) Add the values in the "RS per DBH Class" column this will give you your "Total RS". NOTE: If this number is less than the minimum requirement for tree retention under the FPA rules you may not harvest any trees in that zone.

8) Using the "RS value per tree" numbers you may now calculate how many trees from each "DBH Class" may be harvested while ensuring that the "Retained RS" will be greater than or equal to the minimum RS required for that zone.

Worksheet for North Idaho Grand Fir (NIGF) Forest Type - Option 1 (60/30)

INNER ZONE

Stream Length Surveyed = [   ] X 25' (inner zone width) = [   ] Acres

43560 (sq. ft. per acre)

DBH Class	NIGF RS/ac values		Acres		RS value per tree		Trees Surveyed		RS per DBH Class		Cut Tree RS Value		Retained RS per DBH Class
4-7.9	0.097	÷		=		X		=		-		=	
8-11.9	0.209	÷		=		X		=		-		=	
12-15.9	0.347	÷		=		X		=		-		=	
16-19.9	0.506	÷		=		X		=		-		=	
20-23.9	0.683	÷		=		X		=		-		=	
24-27.9	0.878	÷		=		X		=		-		=	
28 +	1.088	÷		=		X		=		-		=	

Total RS * = [   ]   Retained RS** = [   ]

(sum of RS/DBH Class)   (sum of Retained RS/DBH Class)

* Total RS must be > 60 or no inner zone harvest may occur

** Retained RS must be > or = 60 RS following harvest

OUTER ZONE

Stream Length Surveyed = [   ] X 50' (outer zone width) = [   ] Acres

43560 (sq. ft. per acre)

DBH Class	NIGF RS/ac values		Acres		RS value per tree		Trees Surveyed		RS per DBH Class		Cut Tree RS Value		Retained RS per DBH Class
4-7.9	0.097	÷		=		X		=		-		=	
8-11.9	0.209	÷		=		X		=		-		=	
12-15.9	0.347	÷		=		X		=		-		=	
16-19.9	0.506	÷		=		X		=		-		=	
20-23.9	0.683	÷		=		X		=		-		=	
24-27.9	0.878	÷		=		X		=		-		=	
28 +	1.088	÷		=		X		=		-		=	

Total RS * = [   ]   Retained RS** = [   ]

(sum of RS/DBH Class)   (sum of Retained RS/DBH Class)

* Total RS must be > 30 or no outer zone harvest may occur

** Retained RS must be > or = 30 RS following harvest

INSTRUCTIONS:

1) Measure "Stream Length Surveyed" by measuring the length (in feet) of the stream that is adjacent to the Stream Protection Zone being considered for harvest. When harvesting both sides of a stream measure them seperately.

2) Calculate "Acres" by multiplying the "Stream Length Surveyed" by the width of the zone being measured (25 or 50 feet) and dividing by 43,560 square feet per acre.

3) Input the "Acres" number into each of the lines in the table under the "Acres" category.

4) Divide the "NIGF RS/ac values" by the "Acres" in each row this will give you a "Relative Stocking value per tree" which you fill in under that category.

5) Count the number of live trees in each "Diameter Breast Height Class", fill in the number on the table according to the DBH Class under the "Trees Surveyed" column.

6) In each row multiply "RS value per tree" X "Trees Surveyed" this gives you "RS per DBH Class", fill in those values under the column "RS per DBH Class".

7) Add the values in the "RS per DBH Class" column this will give you your "Total RS". NOTE: If this number is less than the minimum requirement for tree retention under the FPA rules you may not harvest any trees in that zone.

8) Using the "RS value per tree" numbers you may now calculate how many trees from each "DBH Class" may be harvested while ensuring that the "Retained RS" will be greater than or equal to the minimum RS required for that zone.

Worksheet for North Idaho Grand Fir (NIGF) Forest Type - Option 2 (60/10)

INNER ZONE

Stream Length Surveyed = [____] X 50' (inner zone width) = [____] Acres

43560 (sq. ft. per acre)

DBH Class	NIGF RS/ac values		Acres		RS value per tree		Trees Surveyed		RS per DBH Class		Cut Tree RS Value		Retained RS per DBH Class
4-7.9	0.097	÷		=		X		=		-		=	
8-11.9	0.209	÷		=		X		=		-		=	
12-15.9	0.347	÷		=		X		=		-		=	
16-19.9	0.506	÷		=		X		=		-		=	
20-23.9	0.683	÷		=		X		=		-		=	
24-27.9	0.878	÷		=		X		=		-		=	
28 +	1.088	÷		=		X		=		-		=	

Total RS * = [____] (sum of RS/DBH Class)

Retained RS** = [____] (sum of Retained RS/DBH Class)

* Total RS must be > 60 or no inner zone harvest may occur

** Retained RS must be > or = 60 RS following harvest

OUTER ZONE

Stream Length Surveyed = [____] X 25' (outer zone width) = [____] Acres

43560 (sq. ft. per acre)

DBH Class	NIGF RS/ac values		Acres		RS value per tree		Trees Surveyed		RS per DBH Class		Cut Tree RS Value		Retained RS per DBH Class
4-7.9	0.097	÷		=		X		=		-		=	
8-11.9	0.209	÷		=		X		=		-		=	
12-15.9	0.347	÷		=		X		=		-		=	
16-19.9	0.506	÷		=		X		=		-		=	
20-23.9	0.683	÷		=		X		=		-		=	
24-27.9	0.878	÷		=		X		=		-		=	
28 +	1.088	÷		=		X		=		-		=	

Total RS * = [____] (sum of RS/DBH Class)

Retained RS** = [____] (sum of Retained RS/DBH Class)

* Total RS must be > 10 or no outer zone harvest may occur

** Retained RS must be > or = 10 RS following harvest

INSTRUCTIONS:

1) Measure "Stream Length Surveyed" by measuring the length (in feet) of the stream that is adjacent to the Stream Protection Zone being considered for harvest. When harvesting both sides of a stream measure them seperately.

2) Calculate "Acres" by multiplying the "Stream Length Surveyed" by the width of the zone being measured (25 or 50 feet) and dividing by 43,560 square feet per acre.

3) Input the "Acres" number into each of the lines in the table under the "Acres" category.

4) Divide the "NIGF RS/ac values" by the "Acres" in each row this will give you a "Relative Stocking value per tree" which you fill in under that category.

5) Count the number of live trees in each "Diameter Breast Height Class", fill in the number on the table according to the DBH Class under the "Trees Surveyed" column.

6) In each row multiply "RS value per tree" X "Trees Surveyed" this gives you "RS per DBH Class", fill in those values under the column "RS per DBH Class".

7) Add the values in the "RS per DBH Class" column this will give you your "Total RS". NOTE: If this number is less than the minimum requirement for tree retention under the FPA rules you may not harvest any trees in that zone.

8) Using the "RS value per tree" numbers you may now calculate how many trees from each "DBH Class" may be harvested while ensuring that the "Retained RS" will be greater than or equal to the minimum RS required for that zone.