Modified Completion Report
WLPZ Canopy Sampling Form

Revised 10/16/2000

THP No._____
Observer(s)_____
Date_____

Estimate total length of Class I stream in this THP_____feet.
Estimate total length of Class II stream in this THP_____feet.
(Count the number of 200 segments delineated on the THP map for the random selection of a sample 200 foot WLPZ segment and multiply by 200. Needed for statistical analysis.)

Watercourse selected for sampling:
Watercourse Name_____
Watercourse Class I or II (circle one)

Target WLPZ sample length is 200 feet.
Actual WLPZ sample length_____ feet

Prescribed WLPZ width (from THP)_____ feet
Actual WLPZ width (based on flagging)_____ feet
Sampled WLPZ width_____ feet

D = Distance between sample points.

$D = 2\sqrt{\text{width}} =$ _____ feet.
For standard widths of 50, 75, 100, 150, and 200 feet, D is 14, 17, 20, 24, and 28 feet, respectively.

100 x (# of Hits) / (# of Hits + # of Misses) =

_____% Canopy Cover

Ocular estimates (within WLPZ sample segment).

Harvesting in WLPZ segment this entry? YES NO (circle one)
% Canopy removed this entry? <10% 10-30% 30-50% (circle one)
Understory Canopy remaining ≥ 50%? YES NO (circle one)
Overstory Canopy remaining ≥ 50%? YES NO (circle one)
T&I planning watersheds/Class I watercourses only, overstory meets T&I standards: N/A YES NO (circle one)

WLPZ Groundcover (live & dead) is ≤70% or ≥70% (circle one).
Untreated patches of bare mineral soil in WLPZ (≥800 ft² or as specified in the THP) are: Absent or Present (circle one).

Points	Hit (+)	Miss (-)
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49.		
50.		
Totals		

Modified Completion Report
WLPZ Erosion Features Form

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Revised 4/2/01

Page _____ of_____

Observer(s)_____ **Date**_____

THP No._____

Name of Affected Watercourse_____

Check one:

[ ] No erosion features observed in sample WLPZ segment.

[ ] *Erosion features observed in sample WLPZ segment and described below.*

Point Number (Nearest WLPZ canopy measurement point.)	Erosion Feature Type (Gully, rills, or sediment deposition.)	Width (feet)	Depth (feet)	Length (feet)	Comments (source of the sediment) (cause of the problem) (deposition to the channel)

Observer:_____ Date:_____ THP No.:_____ Road Type:_____ Trans. No.:_____

COMPLETION REPORT MONITORING: ROADS AND SKID TRAILS FORM

Implementation (1)						Effectiveness (2)									
ID#	Feature Code	Rule No.	Cum. Dist. (ft.)		Impl. Code	Effect. Code	Drainage Problems Code (3)	Erosion Problems (3)					Sediment (3)		Comments
			Begin	End				Source Code	Cause Code	Dimension (ft.)			Dep. Code	WC Code	
										W	D	L			
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)	(O)	(P)

10/4/00 rev.

(1) Complete columns A-F for implementation evaluation.
(2) Complete columns E--O for all rows during effectiveness evaluation .(G)
(3) Complete columns H-O only when drainage or erosion problem is noted.
(A) Consecutive numbers for each feature.
(B) One rule per row, use code sheet 1.
(D-E) As shown by string box.
(F) Enter implementation code as described in instructions.
(G) Enter effectiveness code as described in instructions.
(H) Enter all codes that apply, use code sheet 2.
.
(I) Enter the single code that applies, use code sheet 3.Feature Code
(J) Enter all codes that apply, use code sheet 3.
(K-M) Estimate to 1 place when <1 ft. and to 2 places when >1 ft (eg. .5, 1.5, 15, 150)
(N-O) Enter single codes that apply, use code sheet 3.

Watercourse Crossing

revised 11/6/2000

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Site Information

THP No. _____ Crossing No._____ Reviewer_____ Date _____

Watercourse Class (circle one) I II III or IV
Type of road _____ (permanent, seasonal, temporary, abandoned)
Type of crossing _____ (culvert, bridge, pipe arch, ford)
Current status _____ (existing, abandoned)
Culvert diameter _____ (inches, if appropriate)
Installation (circle one) 1) Existing prior to THP or 2) New

Implementation

Use the following codes to rate implementation: **D** (Departure) **MA** (Marginally Acceptable) **A** (Acceptable) **ER** (Exceeds Rule/THP Requirements) **N/A** (Not Applicable)

Rule No.	Description	Implementation Code/Comments
ROADS		
923.2(d)(C)	fills across channels built to minimize erosion	
923.2(h)	size, #, location of structures okay to carry runoff	
923.2(h)	size, #, location of structures minimizes erosion	
923.2(h)	size, #, location of structures-nat.drainage pattern	
923.2(i)	trash racks, etc installed to minimize blockage	
923.2(o)	no discharge on fill unless energy dissipators	
923.3(a)	permanent xings shown on THP map, diameters	
923.3 (c)	unrestricted passage of fish allowed	
923.3(d)(1)	removed--fills excavated to reform channel	
923.3(d)(2)	removed--cut bank sloped back to stop slumping	
923.3(d)(2) req.	where needed, stabilizing treatment applied	
923.3(e)	crossing/fills built/maintained to prevent diversion	
923.4(c)	waterbreaks maintained to divert into cover	
923.4(d)	crossing open to unrestricted passage of water	
923.4(d)	trash racks installed where needed at inlets	
923.4(f)	100-year flood flow requirement/ or removed	
923.4(l)	Drainage structure/trash rack maintained	
923.4(m)	Inlet/outlet, etc repaired/replaced as needed	
923.4(n)	xing/approaches maintained to avoid diversion	
923.8	abandonment--maintenance free drainage	
923.8	abandonment--min.concentration of runoff	
923.8(b)	abandonment--stabilization of exposed cuts/fills	
923.8 (c)	abandonment--grading of road for dispersal	
923.8(d)	abandonment--pulling/shaping of fills	
923.8(e)	abandonment--fills excavated to reform channel	
923.8(e)	abandonment--cutbanks sloped back	
923.8(e)	removal not feasible--diversion potential handled	
SKID TRAILS	**(only)**	
914.8(b)	Structure (bridge, culvert, etc.) used where water present during life of the crossing	
914.8(c)	Unrestricted fish passage in Class I watercourse	
914.8 (d)	Skid x-ing fill removed & banks sloped properly	

Water Crossing EFFECTIVENESS revised 11/6/2000

THP No. _____ Crossing No._____ Reviewer_____ Date _____

Fill Slopes

1) Gullies (>6 in deep)	☐ N/A	☐ None	☐ Small gullies, but not enlarging	☐ Large gullies and enlarging
2) Cracks	☐ N/A	☐ None	☐ cracks present but stabilized	☐ cracks threaten integrity of fill
3) Slope Failure	☐ N/A	☐ None	☐ 0-1 cubic yard	☐ >1 cubic yard

Road Surface Draining to Crossing

1) Gullies (>6 in deep)	☐ N/A	☐ None	☐ Small gullies, but not enlarging	☐ Large gullies and enlarging
2) Cutoff Drainage Structure	☐ N/A	☐ Functional	☐ Allows some water to reach crossing	☐ Allows all water to reach crossing
3) Inside Ditch Condition	☐ N/A	☐ Open	☐ Some sediment/debris accumulation	☐ Blocked with sediment and debris
4) Ponding (on road/fills)	☐ N/A	☐ None	☐ Ponding present but does not threaten integrity of fill material	☐ Ponding present and threatens the integrity of the fill material
5) Rutting		☐ None	☐ Some ruts but drainage not impaired	☐ Rutting impairs road drainage

Culvert Design/Configuration **Crossing has failed N/A YES or NO (circle one). Estimate cubic yards of fill lost _____ cu.yds.**

1) Scour at Inlet	☐ N/A	☐ None	☐ Minor scour—not undercutting fill	☐ Major scour, maybe undercutting fill
2) Scour at Outlet	☐ N/A	☐ None	☐ Minor scour—not undercutting fill	☐ Major scour, maybe undercutting fil
3) Diversion Potential	☐ N/A	☐ Not possible	☐ Road slopes downward in one direction with drainage structure	☐ If culvert fails, overflow will be diverted out of channel and down road
4) Plugging	☐ N/A	☐ None	☐ Sediment/debris blocking <30%	☐ Sediment/debris blocking >30% of inlet/outlet
5) Alignment	☐ N/A	☐ Appropriate	☐ Low angle channel approach	☐ High angle channel approach
6) Degree of Corrosion	☐ N/A	☐ None/minor	☐ Moderate—some metal missing	☐ Severe—pipe easily punctured
7) Crushing Inlet/Outlet	☐ N/A	☐ None	☐ Pipe deformed but <30% blocked	☐ Pipe deformed and >30% blocked
8) Pipe Length	☐ N/A	☐ Appropriate	☐ Length causing minor fill erosion	☐ Length related to major erosion around pipe
9) Gradient	☐ N/A	☐ Appropriate	☐ Inlet slightly too low or high in fill	☐ Inlet too high or low—causing debris accumulation
10) Piping	☐ N/A	☐ None		☐ Flow passes beneath or around culvert

Non-Culverted Crossing

1) Armoring (gravel/paved)	☐ N/A	☐ Appropriate	☐ Minor downcutting evident	☐ Major downcutting evident
2) Scour at Outlet	☐ N/A	☐ None	☐ Minor scour—not undercutting fill	☐ Major scour, maybe undercutting fill
3) Diversion	☐ N/A	☐ Not possible	☐ Road slopes downward in one direction but unlikely to divert flow	☐ Overflow will be diverted down road

Removed/Abandoned Crossings

1) Bank Stabilization	☐ N/A	☐ Dense cover or stabilized	☐ >50% of banks with goundcover and/or stabilized	☐ <50% of banks have effective cover or or stabilized
2) Gullies (>6 in deep)	☐ N/A	☐ None	☐ Small gullies, not enlarging	☐ Large gullies and enlarging
3) Slope Failure	☐ N/A	☐ <1 cu yd	☐ >1 cu yd but does not enter stream	☐ >1 cu yd and enters channel
4) Channel Configuration	☐ N/A	☐ Near natural	☐ Minor difference from natural channel	☐ Major difference from natural channel
5) Excavated Material	☐ N/A	☐ Sloped to min. erosion	☐ <1 cubic yard transported to channel	☐ >1 cubic yard transported to channel
6) Maintenance Free Drainage	☐ N/A	☐ Sufficient	☐ Minor problem(s) noted	☐ Major problem(s) noted