

Option 1: [Adopt 923.3(a)-(k) [943.3(a)-(k), 963.3(a)-(k)]]. If this option is adopted, then 923.12 [943.12, 963.12], Option 1, 1034, Option 1, 1051.1, Option 1, and 1092.09, Option 1 should be adopted.]

The following mapping and identification standards shall apply to logging roads and landings:

(a) All maps of logging roads and landings shall include a legend indicating the meaning of operational symbols used to depict features on the maps.

(b) All logging roads and all landings that exceed one-quarter acre in size within the harvest area, including those located in watercourses, lakes, WLPZs, marshes, wet meadows, or other wet areas, other than at logging road watercourse crossings, and those proposed for abandonment or deactivation, shall be identified on a map that is based upon a U.S. Geological Survey topographic quadrangle map, or equivalent, published at a scale of 1:24,000 or larger.

(c) All logging roads that will be used for log hauling that are under the ownership or control of the timber owner, timberland owner, timber operator, or plan submitter and that are between the harvest area and the first public road to be used for log hauling shall be shown on a topographic map at a scale of 1/2 inch equals 1 mile (1:126,720) or larger. This shall include:

(1) Logging roads and landings located in watercourses, lakes, WLPZs, marshes, wet meadows, or other wet areas, other than at logging road watercourse crossings.

(2) Logging roads and landings proposed for abandonment or deactivation.

(3) Logging roads that provide access to rock pits and water drafting sites.

(d) Option 1: All logging roads and all landings requiring construction or reconstruction along non-public roads that are neither within the harvest area nor under the ownership or control of the timberland owner whose land is being harvested shall be identified in the plan. Option 2: *[Do not adopt the contents of subsection (d) proposed under Option 1 and begin re-numbering subsection (d) as (c), (e) as (d), etc.]*

(e) Additional topographic or planimetric maps may be included in the plan at appropriate scales to show specific details or to improve map clarity.

(f) All logging roads that will be used for log hauling shall be classified on a plan map as permanent, seasonal, or temporary.

(g) In watersheds with threatened or impaired values, active erosion sites on logging roads and landings that will be treated shall be disclosed and mapped in the plan and identified in the field.

(h) The RPF shall, at a minimum, disclose and describe (D), map (M) (at the scale required under subsection (b) or (c), whichever is applicable), or identify in the field (I) items (1) through

(18) in the following table for all constructed and reconstructed logging roads and landings, or as otherwise described:

	<u>Item to Disclose and Describe (D), Map (M), or Identify (I)</u>	<u>D</u>	<u>M</u>	<u>I</u>
<u>(1)</u>	<u>Option 1: Lineal distance of individual segments of logging road construction</u> <u>Option 2: Total lineal distance of all logging road construction</u>	<u>D</u>		
<u>(2)</u>	<u>Potential public safety concerns</u>	<u>D</u>		
<u>(3)</u>	<u>Logging roads wider than single lane compatible with the largest type of equipment specified for use</u>	<u>D</u>		
<u>(4)</u>	<u>Areas with identified isolated outcrops of asbestos-bearing soil or parent material</u>	<u>D</u>		
<u>(5)</u>	<u>Areas with potential mercury in soil, fills, or mine tailings</u>	<u>D</u>		
<u>(6)</u>	<u>Areas where rules require constructed bench to support fill on slopes greater than 50 percent for 100 lineal feet or more</u>	<u>D</u>		
<u>(7)</u>	<u>Landings in excess of one-quarter acre on slopes greater than 40 percent</u>	<u>D</u>		
<u>(8)</u>	<u>Logging road grades greater than 15 percent for over 200 continuous feet or logging road grades greater than 20 percent</u>		<u>M</u>	
<u>(9)</u>	<u>Road failures on existing logging roads to be reconstructed</u>	<u>D</u>	<u>M</u>	

<u>(10)</u>	<u>Logging roads across and landings on unstable areas or connected headwall swales</u>	<u>D</u>	<u>M</u>	
<u>(11)</u>	<u>Logging roads and landings within Class I, II, II, or IV watercourses or lakes, WLPZs, marshes, wet meadows, or other wet areas other than at logging road watercourse crossings</u>	<u>D</u>	<u>M</u>	
<u>(12)</u>	<u>Logging roads and landings with insloping, inside ditch drainage, or crowning greater than 300 lineal feet that drains to a classified watercourse or lake</u>	<u>D</u>	<u>M</u>	
<u>(13)</u>	<u>Landings that require substantial excavation and landings greater than one-quarter acre in size</u>	<u>D</u>	<u>M</u>	
<u>(14)</u>	<u>Disposal sites on slopes greater than 40 percent or on active unstable areas</u>	<u>D</u>	<u>M</u>	
<u>(15)</u>	<u>Any other areas where non-standard practices are proposed</u>	<u>D</u>	<u>M</u>	
<u>(16)</u>	<u>Logging roads and landings across slopes greater than 65 percent for 100 lineal feet or more</u>	<u>D</u>	<u>M</u>	<u>I</u>
<u>(17)</u>	<u>Logging roads and landings across slopes greater than 50 percent for 100 lineal feet or more within 100 feet of the boundary of a WLPZ that drains toward the zoned watercourse or lake</u>	<u>D</u>	<u>M</u>	<u>I</u>
<u>(18)</u>	<u>In watersheds with threatened or impaired values, all proposed logging road construction on slopes greater than 50 percent</u>	<u>D</u>	<u>M</u>	

(i) The location of all logging roads to be constructed or

reconstructed shall be flagged or otherwise identified on the ground **Option 1:** before submission of a plan or substantial deviation (**Option 2:** prior to the pre-harvest inspection, if necessary, or prior to logging road construction or reconstruction). Exceptions **may** be explained and justified in the plan and agreed to by the Director if flagging is unnecessary as a substantial aid to examining: (1) compatibility between logging road location and yarding and silvicultural systems, or (2) possible significant adverse effects of logging road location on the factors listed under 14 CCR § 923(b) [943(b), 963(b)].

Option 2: [Adopt 923.3(a)-(g) [943.3(a)-(g), 963.3(a)-(g)]. If this option is adopted, then 923.12 [943.12, 963.12], Option 2, 1034, Option 2, 1051.1, Option 2, and 1092.09, Option 2 should be adopted.]

Option 1: [Adopt 923.12(a)-(h) [943.12(a)-(h), 963.12(a)-(h)]. If this option is adopted, then 923.3 [943.3, 963.3], Option 1, 1034, Option 1, 1051.1, Option 1, and 1092.09, Option 1 should be adopted as well.]

The following mapping and identification standards shall apply to logging road watercourse crossings:

(a) All maps of logging road watercourse crossings shall include a legend indicating the meaning of all operational symbols used to depict features on the maps.

(b) All existing logging road watercourse crossings within the harvest area, including those proposed for abandonment or deactivation, shall be shown on a map that is based upon a U.S. Geological Survey topographic quadrangle map, or equivalent, published at a scale of 1:24,000 or larger. This requirement may be met by depicting the intersection of a logging road and a watercourse.

(c) All constructed and reconstructed logging road watercourse crossings within the harvest area shall be shown on a map that is based upon an U.S. Geological Survey topographic quadrangle map, or equivalent, published at a scale of 1:24,000 or larger and described in the plan as needed.

(d) All logging road watercourse crossings that are: (i) not within the harvest area but are under the ownership or control of the owner of the timberland where timber is proposed for harvest and (ii) between the harvest area and the first public road to be used for log hauling, shall be shown on a topographic map at a scale of 1/2 inch equals 1 mile (1:126,720) or larger as necessary for clarity. The plan shall identify:

(1) Existing logging road watercourse crossings of Class I and Class II waters that will be used for log hauling.

(2) Constructed and reconstructed logging road watercourse crossings that will be used for log hauling.

(3) Existing logging road watercourse crossings to be abandoned or deactivated.

Existing logging road watercourse crossings may be shown by depicting the intersection of a logging road and a watercourse.

(e) Option 1: All logging road watercourse crossings requiring construction or reconstruction along non-public roads, except temporary logging road watercourse crossings of Class III waters that are dry at the time of use, which are neither within the harvest area nor under the ownership or control of the owner of the timberland where timber is proposed for harvest, shall be disclosed in the plan.

Option 2: [Do not adopt the contents of subsection (e) proposed under Option 1 and begin re-numbering subsection (f) as (e), (g) as (f), etc.]

(f) Additional topographic or planimetric maps may be included in the plan at appropriate scales to show specific details or to improve map clarity.

(g) The location of all logging road watercourse crossings to be constructed or reconstructed shall be flagged or otherwise identified on the ground **Option 1:** before submission of a plan or substantial deviation (**Option 2:** prior to the pre-harvest inspection, if necessary, or prior to logging road watercourse crossing construction or reconstruction). Exceptions may be explained and justified in the plan and agreed to by the Director if flagging is unnecessary as a substantial aid to examining possible significant adverse effects of the crossing location on the factors listed under 14 CCR § 923(b) [943(b), 963(b)].

Option 2: [Adopt 923.12(a)-(c) [943.12(a)-(c), 963.12(a)-(c)].

If this option is adopted, then 923.3 [943.3, 963.3], Option 2, 1034, Option 2, 1051.1, Option 2, and 1092.09, Option 2 must be adopted as well.]

Option 1: [Adopt the following changes to 1034. If this option is adopted, then 923.3 [943.3, 963.3], Option 1, 923.12 [943.12, 963.12], Option 1, 1051.1, Option 1, and 1092.09, Option 1 should be adopted as well.]

(x) The information in subsections (1-3), (8), (9), and (11-13) shall be clearly shown on a map that is based upon a U. S. Geological Survey topographic quadrangle map, or equivalent, published at a scale of 1:24,000 or larger ~~On-titled USGS (if available) or equivalent topographic maps of a scale not less than 2" to the mile, the information in subsections (1-4), (8), (9), and (11-13) shall be clearly shown.~~ For subsections (4) and (5), refer to the applicable subsections under 14 CCR §§ 923.3(a)-(h) [943.3(a)-(h), 963.3(a)-(h)] and 923.12(a)-(f) [943.12(a)-(f), 963.12(a)-(f)] for logging road-, landing-, and logging road watercourse crossing-related mapping. Additional maps, which may be topographic or planimetric, may be used to provide the information required in the other subsections, to ex show specific details, or to improve map clarity. ~~The~~

~~appurtenant roads referenced in subsection (4) may be shown on a map which may be planimetric with a scale as small as one-half inch equals one mile. Color coding shall not be used. A legend shall be included indicating the meaning of the symbols used to depict operational features on maps.~~ See the district rules for the appropriate minimum mapping acreages.

(1)-(3) [No change]

(4) ~~Location of public roads and those private roads to be used for timber operations within the plan area, and private roads appurtenant to the timber operations where such roads are under the ownership or control of the timber owner, timberland owner, timber operator, or submitter of the plan, and classification of all proposed and existing logging roads as permanent, seasonal, or temporary roads.~~

Requirements for logging road- and landing-related mapping are found under 14 CCR §§ 923.3(a)-(h) [943.3(a)-(h), 963.3(a)-(h)].

(5) ~~Probable location of proposed and existing landings in the watercourse and lake protection zone, and landings outside the zone that are greater than 1/4 acre in size or whose construction involves substantial excavation.~~ Requirements for logging road watercourse crossing-related mapping are found under 14 CCR §§ 923.12(a)-(f) [943.12(a)-(f), 963.12(a)-(f)].

~~(6) Road failures on existing roads to be reconstructed.~~

(~~7~~6) Location of all tractor road watercourse crossings of classified watercourses except temporary crossings of Class III watercourses that are dry at the time of use without flowing water during timber operations at that crossing.

(~~8~~7) Location of erosion hazard rating areas, if more than one rating exists.

(~~9~~8) Location of watercourses and lakes with Class I, II, III, or IV waters.

(~~10~~9) Location of known unstable areas or slides.

(~~11~~10) Location of understocked areas prior to timber operations, and other areas not normally bearing timber to at least a 20-acre minimum, or as specified in the district rules.

(~~12~~11) Location of boundaries of timber-site classes needed for determination of stocking standards to be applied, down to at least a 20-acre minimum, or as specified in the district rules.

(~~13~~12) Location of main ridge tops on the logging area suitable for fire suppression efforts that will require the felling of snags.

(~~14~~13) Location of Coastal Commission Special Treatment Areas or any special treatment area.

(~~15~~14) Location for which heavy equipment use is proposed on unstable areas, or on areas for which tractor use is

proposed beyond the limitations of the standard forest practice rules.

(1615) Location of any in lieu use of heavy equipment and the location of tractor roads ~~other than crossings~~ in the WLPZ, marshes, wet meadows, and other wet areas.

~~(17) Location of any new or reconstructed road segment(s) that exceed an average 15% grade for over 200 feet.~~

(aa)-(bb) [No change]

(cc) Explanation and justification for use of watercourses, marshes, wet meadows, and other wet areas as landings, roads, or skid trails tractor roads.

(dd)-(ee) [No change]

(ff) ~~Explanation and justification for landings that exceed the maximum size specified in the rules.~~

Requirements for logging road-, landing-, and logging road watercourse crossing-related disclosure, description, explanation, and justification are found under 14 CCR § 923 [943, 963] et seq.

(gg) Any other information required by the rules or the Act to be included in the plan. The district rules provide for exceptions and alternatives to standard requirements that require inclusion of information in the THP.

~~(hh) Where roads, watercourse crossings, and associated landings in the logging area will be abandoned, the methods for abandonment shall be described.~~

~~(ii) On a map complying with subsection 1034(x), the locations and classifications of roads, watercourse crossings, and landings to be abandoned shall be shown.~~

~~(jj)~~(hh) A general description of physical conditions at the plan site, including general soils and topography information, vegetation and stand conditions, and watershed and stream conditions.

Option 2: [Adopt the following changes to 1034. If this option is adopted, then 923.3 [943.3, 963.3], Option 2, 923.12 [943.12, 963.12], Option 2, 1051.1, Option 2, and 1092.09, Option 2 should be adopted as well.]

Option 1: [Adopt the following changes to 1051.1. If this option is adopted, then 923.3 [943.3, 963.3], Option 1, 923.12 [943.12, 963.12], Option 1, 1034, Option 1, and 1092.09, Option 1 should be adopted as well.]

A plan submitted under ~~section~~ 14 CCR § 1051 above shall contain all the provisions of 14 CCR § 923.3 [943.3, 963.3], none of the provisions of 14 CCR § 923.12 [943.12, 963.12], and all of the

provisions of 14 CCR § 1034 except the following: (o), (x)(5), (x)(6), (z), (cc), (dd), (ee), and the RPF shall:

Option 2: [Adopt the following changes to 1051.1. If this option is adopted, then 923.3 [943.3, 963.3], Option 2, 923.12 [943.12, 963.12], Option 2, 1034, Option 2, and 1092.09, Option 2 should be adopted as well.]

Option 1: [Adopt the following changes to 1092.09. If this option is adopted, then 923.3 [943.3, 963.3], Option 1, 923.12 [943.12, 963.12], Option 1, 1034, Option 1, and 1051.1, Option 1 should be adopted as well.]

(1) On a ~~titled USGS quadrangle or equivalent~~ topographic map of a scale ~~not less than 2" to the mile~~ map that is based upon a U. S. Geological Survey topographic quadrangle map, or equivalent, published at a scale of 1:24,000 or larger, the information subsections in paragraphs (1-54) shall be clearly shown. For subsections (5) and (6), refer to the applicable subsections under 14 CCR §§ 923.3(a)-(h) [943.3(a)-(h), 963.3(a)-(h)] and 923.12(a)-(f) [943.12(a)-(f), 963.12(a)-(f)] for logging road- and logging road watercourse crossing-related mapping.

Additional maps, which may be topographic or planimetric may be used to provide the information required in other subsections or

show specific details, and to improve map clarity. The ~~appurtenant roads referenced in subsection (5) may be shown on a map which may be planimetric with a scale as small as one-half inch equals one mile.~~ Color coding shall not be used. A legend shall be included indicating the meaning of the symbols used to depict operational features on maps. See the district rules for the appropriate minimum mapping acreage.

(1)-(4) [No change]

(5) ~~Location of public roads within the PTHP, and private roads appurtenant to the timber operations where such roads are under the ownership or control of the timber owner, timberland owner or timber operator, and classification of all proposed and existing logging roads as permanent, seasonal, or temporary roads.~~ Requirements for logging road- and landing-related mapping are found under 14 CCR §§ 923.3(a)-(h) [943.3(a)-(h), 963.3(a)-(h)].

(6) ~~Location of proposed and existing landings in the watercourse and lake protection zone, and landings outside the zone that are greater than 1/4 acre in size or whose construction involves substantial excavation.~~ Requirements for logging road watercourse crossing-related mapping are found under 14 CCR §§ 923.12(a)-(f) [943.12(a)-(f), 963.12(a)-(f)].

~~(7) Road failures on existing roads to be reconstructed.~~

(7) Location of all tractor road watercourse crossings of classified watercourses except temporary crossings of class III watercourses that are dry at the time of use ~~without flowing water during timber operations at that crossing.~~

~~(9)~~(8) Location of erosion hazard rating areas, if more than one rating exists.

~~(10)~~(9) Location of watercourses and lakes with Class I, II, III or IV waters.

~~(11)~~(10) Location of known unstable areas or slides.

(11) Location of unique areas.

Option 2: [Adopt the following changes to 1092.09. If this option is adopted, then 923.3 [943.3, 963.3], Option 2, 923.12 [943.12, 963.12], Option 2, 1034, Option 2, and 1051.1, Option 2 should be adopted as well.]