

Definitions and List of Acronyms

Conditional Waiver of Waste Discharge Requirements for Timber Harvest and Vegetation Management Activities

100-YEAR FLOODPLAIN	<p>areas determined based on delineations completed or approved by the U.S. Army Corps of Engineers, the Federal Emergency Management Agency, or an individual qualified to make floodplain delineations. If these agencies have not completed formal delineations the Water Board staff may agree to the use of best professional judgment; field verification by staff may be needed. These areas include land adjacent to waterbodies that extend to the outer perimeter of lands which experience flooding or are inundated with water during 100-year flood events. At a minimum, dischargers shall designate the 100-year floodplain area to encompass the bed and bank of any ephemeral drainage course. If other indicators are present such as wet vegetation on terraces, or other high water indicators, such as stranded debris, these should also be taken into consideration. For cases of unconfined channels, other indicators may need to be considered.</p> <p>Within the Lake Tahoe Hydrologic Unit 100-year floodplains are sometimes, but not always, included within Stream Environment Zones (SEZs), as defined below. A floodplain only qualifies as SEZ if other secondary indicators of a SEZ are present. If a 100-year floodplain is considered a SEZ, the SEZ prohibitions and exemption criteria apply. (Basin Plan Section 5.7).</p>
BROADCAST BURNING	<p>means the use of fire to achieve ecological or fuel reduction benefits. It does not include burning of organic matter which is piled during mechanical site preparation or the ignition of 'burn piles' as defined below.</p>
BURN PILE	<p>means hand and machine constructed piles of organic materials (e.g., slash, branches, limbs, stumps, biomass) intended for burning.</p>
CRITICAL DIP	<p>means a low point, or overflow structure, in the road near or at a watercourse crossing designed to prevent the diversion of high flows in the event that the crossing or culvert becomes plugged or flow capacity is exceeded. To be properly installed, critical dips should be on the downhill side of a crossing.</p>

DISCHARGER(S)	means the landowner(s), duly authorized representative of the landowner, and anyone working on behalf of the landowner in the conduct of timber harvest and vegetation management; includes any city, county, district, the state, and the United States, to the extent authorized by federal law (Water Code section 13050, subdivision c).
DRY SOILS	means soils are dry, loose, and will not form a ball with pressure (i.e., squeezed into a ball by hand).
EFFECTIVENESS MONITORING	means visual evaluation of management measures (e.g., erosion control, water body buffer zones, waterbreaks, critical dips) following the winter period (between March 15 and June 15) to determine the effectiveness of the measures in preventing sediment discharge to waterbodies.
FEDERAL FORESTRY PROFESSIONAL	means a person employed by the federal government meeting the requirements of the Federal Forestry Series (GS-460) of the U.S. Office of Personnel Management.
FORENSIC MONITORING	means visual monitoring of surface waters (e.g., lakes and streams) and Waterbody Buffer Zones to identify evidence of sediment delivery and/or locate sources of sediment delivery (or potential delivery) to a waterbody so that corrective actions may be taken to prevent or reduce sediment discharges to waterbodies.
FUEL BREAK	A strip of hand or machine modified land surface designed to stop the progress of a prescribed fire or wildfire.
GROUND-BASED EQUIPMENT OPERATIONS	includes tractor, vehicle, equipment, and heavy equipment operations. Does not include work conducted by hand crews, helicopter, or cable yarding.
HAND CREW OPERATIONS	means cutting vegetation with a chainsaw or hand saw and manually piling material onsite or removing material with the use of motorized equipment limited to existing roads (except chippers and/or brush mowers). Includes prescribed burning and the construction of fuel breaks.
HARD-FROZEN SOIL CONDITIONS	means frozen soil conditions where operated vehicles, tractors, and equipment can travel without sinking into soil, road, or landing surfaces to a depth of more than two inches for a distance of more than 25 feet. Temperatures must also remain low enough to preclude thawing of the soil surface.

PESTICIDES	means, for the purposes of this Timber Waiver, to include herbicides, insecticides, fungicides, and all other economic poisons. An economic poison is any substance intended to prevent, repel, destroy, or mitigate the damage from insects, rodents, predatory animals, bacteria, fungi, or weeds capable of infesting or harming vegetation, humans, or animals (CA Agriculture Code section 12753, and Basin Plan Chapter 3).
IMPLEMENTATION MONITORING	means visual monitoring of project areas (including roads, stream crossings, landings) to ensure all management practices designed to prevent sediment delivery and protect water quality (e.g., erosion control measures, riparian buffers, waterbreaks, critical dips) are in place and secure prior to the winter period, and at the conclusion of winter operations if winter operations occur.
LANDING	means that area where forest products are concentrated prior to additional processing or removal from site.
PRESCRIBED FIRE	means the implementation of a written prescription to burn a designated area under specified environmental conditions. May include broadcast burning or pile burning.
PROJECT	means any "timber harvest and/or vegetation management activity" (as defined below).
NATURAL RESOURCE PROFESSIONAL	means a person with a bachelor's degree or higher in a biological, ecological, or other relevant science (e.g., soils, hydrology, botany, fisheries) and at least six months of relevant experience. This person is not a substitute for a Registered Professional Forester when one is required by state or federal code or regulation.
SATURATED SOIL CONDITIONS	<p>means that site conditions are sufficiently wet that timber operations displace soils in yarding or mechanical site preparation areas or displace road and landing surface materials in amounts sufficient to cause a turbidity increase in drainage facilities that discharge into Class I, II, III, or IV waters (as defined in the Forest Practice Rules), or in downstream Class I, II, III, or IV waters that is visible or would violate applicable water quality requirements.</p> <p>In yarding and site preparation areas, this condition may be evidenced by: (a) reduced traction by equipment as indicated by spinning or churning of wheels or tracks in excess of normal performance, (b) inadequate traction without blading wet soil, (c) soil displacement in amounts that cause visible increase in</p>

	<p>turbidity of the downstream waters in a receiving Class I, II, III, or IV waters, or in amounts sufficient to cause a turbidity increase in drainage facilities that discharge into Class I, II, III, or IV waters, or (d) creation of ruts greater than would be normal following a light rainfall.</p> <p>On logging roads and landing surfaces, this condition may be evidenced by (a) reduced traction by equipment as indicated by spinning or churning of wheels or tracks in excess of normal performance, (b) inadequate traction without blading wet soil, (c) soil displacement in amounts that cause visible increase in turbidity of the downstream waters in receiving Class I, II, III, or IV waters, or in amounts sufficient to cause a turbidity increase in drainage facilities that discharge into Class I, II, III, or IV waters, (d) pumping of road surface materials by traffic, or (e) creation of ruts greater than would be created by traffic following normal road watering, which transports surface material to a drainage facility that discharges directly into a watercourse.</p> <p>Soils or road and landing surfaces that are hard frozen are excluded from this definition. (California Code of Regulations, title 14, section 895.1.).</p>
<p>SITE PREPARATION</p>	<p>means any activity involving mechanical disturbance of soils or burning of vegetation which is performed during or after completion of timber harvesting and is associated with preparation of any portion of a logging area for artificial or natural regeneration. (California Code of Regulations, title 14, section 895.1.)</p>
<p>SKID TRAIL</p>	<p>means constructed trails or established paths used by tractors or other vehicles for skidding logs. Also known as tractor roads. (California Code of Regulations, title 14, section 895.1.)</p>
<p>STABILIZED</p>	<p>means exposed soils and unstable areas have been treated in such a manner that there is low risk of such soils discharging to a waterbody via runoff, slumping, or wind erosion. Appropriate treatment can vary and can include, but is not limited to:</p> <ul style="list-style-type: none"> • cover with mulch (weed free straw, slash, etc.), rocks, tarp, etc. • relocation of excess material to an area that is stable, well drained, isolated from wet areas or watercourses, and where wind exposure is limited • sloping back excess material to a stable angle • hydroseeding, seeding and/or planting • temporary construction erosion control measures (e.g., fiber rolls, silt fences, erosion control blankets, tarps) <p>Note: Minimization of soil disturbance and soil stabilization (as</p>

	<p>described above) are the best and most cost-effective method of preventing sediment delivery. Trying to capture sediment once it is dislodged is much more difficult, costly, and is less likely to succeed.</p>
<p>STREAM ENVIRONMENT ZONE (SEZ) (A term only used within the Lake Tahoe Hydrologic Unit)</p>	<p>means biological communities that owe their characteristics to the presence of surface waters or a seasonal high groundwater table. The criteria used for field identification and delineation of SEZs are unique to the Lake Tahoe Hydrologic Unit and are described below.</p> <p>The following criteria are used by both the Water Board and the Tahoe Regional Planning Agency (TRPA). A Stream Environment Zone is determined to be present if any one of the following key indicators is present, or in the absence of a key indicator, if any three of the following secondary indicators are present. Soil types are discussed in Volume I of the TRPA's Water Quality Management Plan for the Lake Tahoe Region. Plant communities are identified in accordance with the definitions and procedures contained in the report entitled <i>Vegetation of the Lake Tahoe Region, A Guide for Planning</i> (TRPA 1971).</p> <p>1. Key Indicators:</p> <ul style="list-style-type: none"> (a) Evidence of surface water flow, including perennial, ephemeral, and intermittent streams, but not including rills or man-made channels; or (b) Primary riparian vegetation; or (c) Near surface groundwater; or (d) Lakes or ponds; or (e) Beach (Be) soils; or (f) One of the following alluvial soils: <ul style="list-style-type: none"> (i) Elmira loamy coarse sand, wet variant (Ev) (ii) Marsh (Mh). <p>2. Secondary Indicators:</p> <ul style="list-style-type: none"> (a) Designated floodplain (b) Groundwater between 20-40 inches (c) Secondary riparian vegetation (d) One of the following alluvial soils: <ul style="list-style-type: none"> (i) Loamy alluvial land (Lo), or (ii) Celio gravelly loamy coarse sand (Co), or (iii) Gravelly alluvial land (Gr). <p>TRPA's official land capability maps shall be used to identify SEZs initially, but are subject to field verification in every instance.</p>

	<p>The boundary of a SEZ is the outermost limit of the key indicators; the outermost limit where three secondary indicators coincide; or if Lo, Co or Gr soils are present, the outermost limit where two secondary indicators coincide, whichever establishes the widest SEZ at any point. The outermost boundaries of a stream are the bank-full width of such stream which is defined as the level of frequent high flow, i.e., the level of flood with a recurrence interval of approximately 1.5 years. Other definitions of terms used in the criteria above are given in Table 5.7-1 of the Water Board's Basin Plan, and pages 10 – 12 of the TRPA Water Quality Management Plan for the Lake Tahoe Region.</p> <p>Note that SEZs can include bodies of open water as well as wet meadows without defined stream channels. SEZs are generally identical with Bailey land capability Class 1b lands (See TRPA Water Quality Management Plan for the Lake Tahoe Region).</p> <p>This definition is subject to change if the TRPA amends the definition or criteria for SEZs and such changes or amendments are approved by the California State Water Resources Control Board. (Basin Plan Section 5.7)</p>
STRUCTURE	<p>means an approved and legally permitted existing structure (such as residential or commercial building) that complies with the California Building Code (or which pre-dates the building code). Does not include existing roads, power lines, or trails.</p>
TARGET SPECIES	<p>means vegetation and/or tree species that are deliberately selected for removal, reduction, or management to accomplish the project's intended purpose, as specified in the project application, Plan or other submittal.</p>
TIMBER HARVEST AND VEGETATION MANAGEMENT ACTIVITIES	<p>means all activities related to the management of vegetation for the purposes of fuel reduction; forest thinning; and/or environmental improvement (such as forest enhancement, riparian enhancement, and aspen stand enhancement); prescribed burning; cutting or removal of trees and vegetation, together with all the work incidental thereto, including, but not limited to, construction, reconstruction, maintenance, and decommissioning of roads, fuel breaks, stream crossings, landings, skid trails, or beds for the falling of trees; burned area rehabilitation, hazard tree removal; site preparation that involves disturbance of soil, burning of vegetation, or herbicide/pesticide application. Activities do not include aquatic vegetation management, preparatory tree marking, surveying, or road flagging.</p>

TRIGGER	is a quantifiable target or value that represents a measurement below or before a significant negative impact occurs, so that if the trigger value is reached (e.g. measured soil disturbance), operations causing the discharge are stopped and alternative actions taken.
UNDEVELOPED LOT	means parcels without buildings or structures, up to three acres in size, that are interspersed in areas of existing urban land uses (e.g., residential, commercial or industrial uses). Undeveloped lots include such parcels owned by public agencies within a recognized urban or community boundary.
UNSTABLE AREAS	are characterized by slide areas or unstable soils or by some or all of the following: hummocky topography consisting of rolling bumpy ground, frequent benches, and depressions; short irregular surface drainages begin and end on the slope; tension cracks and head wall scarps indicating slumping are visible; slopes are irregular and may be slightly concave in upper half and convex in lower half as a result of previous slope failure; there may be evidence of impaired ground water movement resulting in local zones of saturation within the soil mass which is indicated at the surface by sag ponds with standing water, springs, or patches of wet ground. Some or all of the following may be present: hydrophytic (wet site) vegetation prevalent; leaning, jackstrawed or split trees are common; pistol-butted trees with excessive sweep may occur in areas of hummocky topography (note: leaning and pistol butted trees should be used as indicators of slope failure only in the presence of other indicators). (California Code of Regulations, title 14, section 895.1.)
WATERBODY	means "waters of the state" as defined in Water Code section 13050 and includes any surface water and ground water, including, but not limited to, any natural or manmade waterbody, including lakes, ponds, springs, and watercourses. Class I, Class II, Class III, Class IV, and Unclassified Waterbodies are defined in Attachment B.
WATERBODY BUFFER ZONE	means a strip of land, along all sides of a waterbody, where additional avoidance measures and management practices are required for protection of the quality and beneficial uses of water, fish and riparian wildlife habitat, other forest resources, and for controlling erosion. Please refer to Attachment B for further explanation.

WATERBREAK	Means a ditch, dike, or dip, or a combination thereof, constructed diagonally across logging roads, skid trails, and fuel breaks so that runoff flow is interrupted and effectively diverted to discharge to non-erodible or vegetated areas that will not result in delivery of sediment to a waterbody. Also known as waterbars.
WATERCOURSE	means any well-defined channel with distinguishable bed and bank showing evidence of having contained flowing water indicated by deposit of rock, sand, gravel, or soil. Watercourse also includes manmade watercourses (California Code of Regulations, title 14, section 895.1.).
WINTER PERIOD	means the period between November 15 and ends April 1. Within the Lake Tahoe, Little Truckee River and Truckee River Hydrologic Units, the winter period is between October 15 and May 1.

All other terms shall have the same definitions as prescribed by the California Forest Practice Rules (California Code of Regulations, title 14, section 895.1 et seq.), Public Resources Code section 4528, subdivision (f), and the Porter-Cologne Water Quality Control Act (Water Code section 13000 et seq.), unless specified otherwise. Definitions contained in Water Code Section 13050(d) controls for the purpose of the Timber Waiver.

LIST OF ACRONYMS

- BMPEP..... Best Management Practices Evaluation Program (U.S. Forest Service)
- CAL FIRE California Department of Forestry and Fire Protection
- CEQA California Environmental Quality Act
- CWPP Community Wildfire Protection Plan
- ELZ..... Equipment Limitation Zone
- NPDES National Pollutant Discharge Elimination System
- NTHP Nonindustrial Timber Management Plan
- PRC Public Resources Code
- RPF Registered Professional Forester
- SEZ Stream Environment Zone (Lake Tahoe Hydrologic Unit Only)
- SMZ Streamside Management Zone
- THP..... Timber Harvest Plan
- TRPA Tahoe Regional Planning Agency

Attachment B
California Regional Water Quality Control Board
Lahontan Region

Determining Width of
Waterbody Buffer Zones

**Conditional Waiver of Waste Discharge Requirements
for Timber Harvest and Vegetation Management Activities**

The Timber Waiver contains conditions with specific equipment operation limitations and protections near waterbodies. Areas subject to these limitations and protections are called "Waterbody Buffer Zones."

One way to classify waterbodies is to categorize them as watercourses which tend to have permeable beds which connect surface waters to groundwater. A perennial stream is expected to flow throughout the year, albeit with only small dry-weather flows in some cases. An intermittent stream ceases to flow in dry periods. The flow may occur when the groundwater table is seasonally high, but there will not be flow when the groundwater table is significantly below the stream channel bed level. An ephemeral stream flows only after rain or snow-melt and has no base flow component. Because it may be difficult at times to determine when a watercourse is responding to specific groundwater conditions, this Timber Waiver classifies waterbodies by biological habitat and ability to transport sediment, as defined in the California Code of Regulations, title 14 (2009 Forest Practice Rules) Watercourse and Lake Protection Zones (WLPZs). See Table B1, below.

Waterbody Buffer Zones are similar to the U.S. Forest Service concept of a "Streamside Management Zone" (SMZ), which is a zone adjacent to waterbodies designated for special management controls aimed at protection and improvement of water quality. Unlike WLPZs, universal widths for SMZs are not specified, but developed on a project-specific basis taking into account factors such as stream class, channel aspect and stability, sideslope steepness, and slope stability. For clarity and conciseness, this Waiver uses the generic term Waterbody Buffer Zone (instead of WLPZ or SMZ) to identify Waiver-specific setback distances and to recognize that not all timber harvest and vegetation management activities regulated by this Timber Waiver are subject to the Forest Practice rules, or conducted by the U.S. Forest Service on U.S. Forest Service Lands.

Water Board staff will accept documents and timber waiver applications that use terminology other than "Waterbody Buffer Zones" as long as such zones or areas will not be smaller than the Waterbody Buffer Zones defined in Table B1, Waterbody Buffer Zone Widths. Such terminology may include Streamside Management Zone (SMZ), Riparian Conservation Area (RCA), and Watercourse and Lake Protection Zone (WLPZ).

Buffer Zone Designations for Class I and II Waters

Buffer Zone widths for Class I and II waters are equivalent to those in the 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, Table 1, "Procedures for Determining Watercourse and Lake Protection Zone Widths and Protective Measures [All Districts]."

Buffer Zone Designations for Class III and IV Waters

This waiver specifies the Water Body Buffer Zones for Class III and IV Waters in Table B1, below.

Measuring Buffer Zone Widths

Waterbody Buffer Zones must be measured along the surface of the ground from the watercourse or lake transition line (as defined in the 2009 Forest Practice Rules) or in the absence of riparian vegetation from the top edge of the watercourse bank (2009 Forest Practice Rules, California Code of Regulations, title 14, section 916.4, subdivision (b)(3)). The slope of the land adjacent to the waterbody must be measured from the watercourse or lake transition line to a point 100 feet upslope, or, in the absence of riparian vegetation, from the top of the waterbody bank. Where slope steepness varies along a slope, a weighted average method shall be used to determine the sideslope percent (2009 Forest Practice Rules, California Code of Regulations, title 14, section 916.5, subdivision (a)(3)).

Table B1. Waterbody Buffer Zone Widths

<u>TYPE OF WATERBODY:</u>	<u>DEFINITION:</u>								
Class I	(1) Domestic supplies, including springs, on site and/or within 100 feet downstream of the operations area, and/or (2) Fish always or seasonally present onsite, includes habitat to sustain fish migration and spawning. Reference: 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, table 1								
<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th data-bbox="501 1220 883 1293">Slope of land adjacent to watercourse or lake:</th> <th data-bbox="883 1220 1179 1293">Buffer Zone width:</th> </tr> </thead> <tbody> <tr> <td data-bbox="501 1293 883 1339" style="text-align: center;">< 30%</td> <td data-bbox="883 1293 1179 1339" style="text-align: center;">75 feet</td> </tr> <tr> <td data-bbox="501 1339 883 1386" style="text-align: center;">30 – 50 %</td> <td data-bbox="883 1339 1179 1386" style="text-align: center;">100 feet</td> </tr> <tr> <td data-bbox="501 1386 883 1432" style="text-align: center;">> 50 %</td> <td data-bbox="883 1386 1179 1432" style="text-align: center;">150 feet¹</td> </tr> </tbody> </table> <p style="text-align: right; margin-right: 100px;">¹ Subtract 50 feet width for cable yarding operations</p> <p>Reference: 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, table 1</p>		Slope of land adjacent to watercourse or lake:	Buffer Zone width:	< 30%	75 feet	30 – 50 %	100 feet	> 50 %	150 feet ¹
Slope of land adjacent to watercourse or lake:	Buffer Zone width:								
< 30%	75 feet								
30 – 50 %	100 feet								
> 50 %	150 feet ¹								

<u>TYPE OF WATERBODY:</u>	<u>DEFINITION:</u>
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Class II	<p>(1) Fish always or seasonally present offsite within 1000 feet downstream, and/or</p> <p>(2) Aquatic habitat for nonfish aquatic species.</p> <p>(3) Excludes Class III waters that are tributary to Class I waters.</p> <p>Reference: 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, table 1</p>
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Slope of land adjacent to watercourse or lake:	Buffer Zone width:
< 30%	50 feet
30 – 50 %	75 feet
> 50 %	100 feet ²

² Subtract 25 feet width for cable yarding operations

Reference: 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, table 1

Class III	<p>No aquatic life present, waterbody showing evidence of being capable of sediment transport to Class I and II waters under normal high water flow conditions.</p> <p>Reference: 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, table 1</p>
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Slope of land adjacent to watercourse or lake:	Buffer Zone width:
< 30 %	25 feet
≥ 30 %	50 feet

<u>TYPE OF WATERBODY:</u>	<u>DEFINITION:</u>
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Class IV	Man-made waterbodies, usually downstream, established domestic, agricultural, hydroelectric supply, or other beneficial use. Reference: 2009 California Forest Practice Rules, California Code of Regulations, title 14, section 916.5, table 1
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Slope of land adjacent to watercourse or lake:	Buffer Zone width:
< 30 %	25 feet
≥ 30 %	50 feet

Unclassified	<p>Has channel with evidence of having concentrated flowing water indicated by deposit of rock, sand, gravel, or soil. No aquatic life is present, shows no evidence of being capable of sediment transport to a higher order waterbody (Class I, II, or III). These features may have riparian plant communities present.</p> <p>No standard buffer zone width is designated. However timber harvest and vegetation management activities must be excluded from within the channel zone, except for use and maintenance of existing roads and crossings.</p>
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Attachment C
California Regional Water Quality Control Board
Lahontan Region

**Category 4 Application Form
and
Monitoring and Reporting Program**

For Water Board staff use only;
WDID # _____
Date of Receipt: _____
Lead Water Board Staff: _____
Contact #: _____

**Conditional Waiver of Waste Discharge Requirements
for Timber Harvest and Vegetation Management Activities**

Please type or print clearly in ink

1. **Activity Name:** (Enter name given, if any)

Plan Number: (if regulated by CAL FIRE, enter the number of the plan or exemption/emergency notice assigned to the activity if available. If a CAL FIRE number is not available, but the activity will proceed under an exemption or emergency, please state "CAL FIRE Exemption" or "CAL FIRE Emergency" in this box.)

County:

2. **Landowner's Contact Information:** (If there is more than one landowner, list their contact information in an addendum to this form.)

Name of individual, company, or agency:		
Company or agency contact:		
Address:		
City:	State:	Zip Code:
Phone:	E-mail address (optional):	

3. **Name and Phone Number of Contact Person(s):** (List the primary person(s) supervising/implementing on-site operations.)

Name:	Phone:
Name:	Phone:

If information requested in this form is included in existing documents or plans those documents may be used to substitute for information specifically requested in this form. These documents must be submitted to the Water Board and specifically referenced (by page number) within this application.

4. Summary of Activity Information:

Total Activity Area Size (in acres):	Silvicultural prescription(s) or activity purpose:
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Indicate type of yarding system(s) and equipment proposed for use (if any):

<u>Ground Based:</u>	<u>Cable:</u>	<u>Special:</u>
<input type="checkbox"/> Tractor, including end/long lining	<input type="checkbox"/> Cable, ground lead	<input type="checkbox"/> Hand crew
<input type="checkbox"/> Rubber tired skidder, Forwarder	<input type="checkbox"/> Cable, high lead	<input type="checkbox"/> Masticator
<input type="checkbox"/> Feller buncher	<input type="checkbox"/> Cable, skyline	<input type="checkbox"/> Chipper
		<input type="checkbox"/> Other: _____

5. Waterbody Classification: What types of waterbodies exist within the activity area? (Information on waterbody classification is provided in Attachment B.) Check all that apply:

<input type="checkbox"/> Class I	<input type="checkbox"/> Class II	<input type="checkbox"/> Class III
<input type="checkbox"/> Class IV	<input type="checkbox"/> Unclassified	<input type="checkbox"/> None within activity area

6. Specific Activity Information:

Yes*	No	Do existing roads and landings proposed for use exhibit signs of erosion or instability, including rills, gullies, or tension cracking?
*If you answered yes to the above question, answer the following:		
Yes	No	Could this erosion or instability result in sediment delivery to a waterbody? If yes, describe mitigation measures that will be implemented to stop the delivery of sediment to waterbodies, or drainage structures that drain to waterbodies:
(attach additional pages if necessary)		
Yes	No	Do the activities include the repair or reconstruction of watercourse crossings? If yes, briefly explain what work is planned and where:
Yes	No	Do the activities include the repair or reconstruction of roads? If yes, briefly explain what work is planned and where:
Yes	No	Are equipment operations within the winter period anticipated?
Yes	No	Do the proposed timber harvest and vegetation management activities include prescribed fire?

7. Timber Harvest and Vegetation Management Activities within Waterbody Buffer Zones:

Describe what activities (e.g., timber removal, operation of equipment, chipping, prescribed fire) are planned within Waterbody Buffer Zones:

(attach additional pages if necessary)

8. **Do you anticipate the need to apply pesticides (as defined in Attachment A) to the activity area?**
If yes, please notify the Water Board staff in an addendum to this form, or in a separate notice, at least 30 days prior to the proposed application. See Condition 16 of the Timber Waiver on page 19.
- Yes No
or
Unknown

9. **Map of Activity Area:** To complete your application, include a USGS 7.5 minute topographic (or equivalent or greater scale) map that clearly indicates the information listed below. Map(s) that have been created as part of a CEQA, or other planning document, may substitute for creating an individual map for this application provided they meet the above scale requirements and include the information listed below.

- The activity area boundary.
- The relative location of the activity to a nearby city, town, or landmark.
- Location of private and public roads to be used within the activity area. Include the location of private and public roads that will be used to access the activity areas from a paved county, state, municipal, or federal road. Label the name or number of each road and indicate if such roads are under the ownership or control of the land owner or manager. (The appurtenant roads may be shown on a separate map which may be planimetric with a smaller scale.)
- Location of proposed timber harvest and vegetation management activities (including skid trails) within Waterbody Buffer Zones.
- Identify areas for possible landing construction.
- Location of all existing watercourse crossings.
- Approximate location of dry Class III watercourse crossings.
- Location of proposed temporary over-snow skid trail watercourse crossings (if known).
- Location, classification, and name (if applicable) of all waterbodies within the activity area. (Information on waterbody classification is provided in Attachment B.) Complete the following if the activity area does not include a waterbody:

Name of nearest downstream waterbody:
Classification:
Distance from activity boundary:
Where is the downstream waterbody located relative to the activity area? (e.g., southwest, etc.)

10. Request for modified monitoring and reporting program: Subject to approval by the Executive Officer, you may request to modify, reduce, or remove monitoring and/or reporting conditions for your activity. Your request must include a description of what you are proposing and why it is warranted for your activity.

You are required to monitor and report according to the standard conditions and forms of this Timber Waiver until you receive approval for your modified plan by the Executive Officer.

If requesting modified monitoring and reporting, provide description and justification here or in an addendum.

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For Water Board staff use only:
Executive Officer Approval with signature:

11. Certification:

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that this application and all submittals to the Water Board accurately represent site conditions. I hereby agree to meet the conditions and eligibility criteria of Category 4 of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029.

Signature:	Date:
Printed name & title:	

Monitoring and Reporting Program

Pursuant to Water Code section 13267, visual monitoring and semi-annual reporting are required for all activities that proceed under Category 4 of the Timber Waiver.

Implementation Monitoring:

Fall Implementation Monitoring: Review Attachment G for monitoring required before the winter period of each year. This monitoring must be reported to the Water Board by **January 15**. A “final compliance report” or “work completion report” inspection, conducted by the California Department of Forestry and Fire Protection (CAL FIRE) prior to the winter period and after cessation of active harvesting and road construction, may be substituted for fall implementation monitoring if the inspection covers the entire plan area and the report is submitted to the Water Board by January 15.

Daily Winter-Period Monitoring: Review Attachment E for daily monitoring required if tractor, vehicle, or equipment operations occur in the winter period (as defined in Attachment A). This monitoring must be reported to the Water Board by **July 15**.

Winter Implementation Monitoring: Review Attachment H for monitoring required at the conclusion of winter operations each year. This monitoring must be reported to the Water Board by **July 15**.

Photo-Point Monitoring:

Photo-point monitoring (as described in Attachment L) is required if **any** of the following conditions exist within the plan or if Water Board staff specifically requests photo-point monitoring for particular areas of your plan (e.g., during application review, agency consultation, or site visit).

- Reconstruction of a bridge crossing over a watercourse
- Reconstruction of a watercourse crossing using a culvert that is 24 inches or greater in diameter

Category 4 Implementation Monitoring Form

This form and associated monitoring must be completed
before the winter period and submitted to the Water Board by January 15 as long as the
project is covered under the Timber Waiver

and

at the conclusion of operations and submitted to the Water Board with the required Notice of
Completion Form (Attachment M)

Please type or print clearly in ink

Implementation monitoring consists of visual monitoring of activity areas, roads, stream crossings, landings, etc., to ensure all management practices designed to prevent sediment delivery and protect water quality (e.g., erosion control measures, riparian buffers, waterbreaks, critical dips) are in place and secure. Pursuant to Water Code section 13267, this form, or an alternate form or report containing equivalent information, must be submitted by **January 15**.

1. **Activity Name:**

2. **WDID Number:**

3. This monitoring is being completed because:
 Timber harvest and vegetation management activities have been completed and this monitoring is being conducted to satisfy the monitoring required for termination of Timber Waiver Coverage. Operations were completed on: _____
 Timber harvest and vegetation management activities have commenced prior to the winter period of this year and monitoring is required to ensure necessary management measures have been implemented prior to the onset of winter weather.

4. **Inspector's name and title:**

Date of inspection:

5. **All landings within the activity area:** Inspected: None within plan area:

Yes No **Are all landings adequately stabilized to prevent sediment delivery to a surface water?** (e.g., are all waterbreaks properly installed)

Additional notes:

6. **All skid trails:** Inspected: None within plan area:

Yes No **Are all skid trails adequately stabilized to prevent sediment delivery to a surface water?** (e.g., are all waterbreaks properly installed)

Additional notes:

7. **All roads:**

Inspected:

None within plan area:

Yes No

Are all roads segments (including those used for timber operations within the plan area, and roads appurtenant to operations where such roads are under the ownership or control of the landowner or manager) **adequately stabilized to prevent sediment delivery to a surface water?**

Additional notes:

8. **All Watercourse Crossings:**

Inspected:

None within plan area:

Yes

No

Have all watercourse crossings and associated fills and approaches been stabilized to prevent diversion of stream overflow down the road and to minimize fill erosion and delivery to a waterbody if the drainage structure became plugged?

Yes

No

Are all necessary critical dips properly installed? (A properly installed critical dip, or other overflow structure, should be on the downhill side of all crossings.)

Yes

No

Is there any risk of stream diversion during a high runoff event?

Yes

No

Is road runoff disconnected before it reaches the watercourse crossing?

(For example, are waterbreaks (i.e., rolling dips or waterbars) placed on the approaches to the crossing so that runoff and sediment is filtered prior to potential discharge to a waterbody? It may be impossible to disconnect all of the road drainage from the watercourse. However, the length of road draining to the stream should be kept to a minimum.)

Yes

No

Are all fill slopes adequately armored or stabilized?

Yes

No

Are all watercourse crossings (including culverts) **clear of debris** (so as to prevent plugging or diversion)?

Yes

No

N/A Have all over-snow skid trail watercourse crossings been removed such that the natural flow of water within the watercourse channel will not be obstructed or diverted? (All temporary fills should be excavated to form a channel that is as close as feasible to the natural watercourse grade and width without disturbing watercourse bed or banks)

Additional notes on watercourse crossings within the plan area:

(attach additional pages if necessary)

9. Yes No

Does chipped material exceed an average depth of two inches, with a maximum depth of four inches, within Waterbody Buffer Zones?

10. Yes No

Have constructed fuel breaks been adequately stabilized (i.e., have effective waterbreaks been constructed)?

11. Yes No **Did you observe any signs of sediment delivery or potential sediment delivery (e.g., failed stream banks, rills, gullies, unstabilized spoils, tension cracks) within the activity area?**

If yes, please describe the sediment sources (and their location) and what corrective measures have been taken, or are planned, to prevent impacts to water quality and to maintain compliance with the Timber Waiver:

(attach additional pages if necessary)

12. Any other additional notes regarding implementation monitoring, or the activity area in general:

(attach additional pages if necessary)

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and is complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, and all eligibility criteria and conditions for Category 4 of the Timber Waiver. If any deviation from the submittals to the Water Board, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____

Date: _____

Name: _____

Title: _____

Invitation for feedback: Water Board staff respectfully request any constructive feedback regarding the monitoring program with regard to your timber harvest and vegetation management activities. Completing this section is not a requirement. Water Board staff may use your comments and suggestions to improve this program for future activities. Comments may include:

- perceived effectiveness of the program in protecting water quality
- recommendations on how to make the monitoring program more efficient, reliable, or effective
- impressions of recommendations made by Water Board staff regarding your activities (e.g., Do they appear to be effective, is there a practice or a performance standard that would have been more cost-effective at protecting water quality?)

Attachment E
California Regional Water Quality Control Board
Lahontan Region

Categories 4 and 6 Daily Winter Period Monitoring Program

*Daily Monitoring only required during days of equipment operation
during the winter period*

Pursuant to 13267 of the California Water Code, daily monitoring is required for all activities covered under Category 4 or 6 of the Timber Waiver for days of tractor, vehicle, or equipment operation within the winter period (as defined in Attachment A).

This monitoring program consists of daily completion of the following checklist, and has been developed to assure compliance with the Water Quality Control Plan for the Lahontan Region (Basin Plan) and to verify the adequacy and effectiveness of the Timber Waiver conditions and eligibility criteria pursuant to Water Code section 13269, subdivision (a)(2).

In the interest of not requiring redundant monitoring during extended dry periods, daily monitoring is only required beginning with the first National Weather Service forecast of 30% chance of precipitation (<http://www.nws.noaa.gov/>). If 7 days of dry weather persists and soils are dry after a precipitation event you may cease monitoring until next time National Weather Service forecasts a 30% chance of precipitation.

Accumulated monitoring data must be retained by the discharger and submitted **July 15** of every year.

Note: This form will also be available in Spanish at <http://www.waterboards.ca.gov/lahontan/>

Category 4 and 6 Daily Winter Operations Monitoring Checklist

This checklist must be completed daily when equipment is operated during the winter period

Example

WDID Number: _____

Inspector's name & Title: _____

Signature: _____

Day of operation:	10/17												
Field condition: dry soil ¹ , hard-frozen ² , or over snow ³ :	Dry												
Is any precipitation forecasted within the next 36 hours? (Y/N)	N												
Average depth of accumulated or machine compacted snow in area of operations:	N/A												
If operating over the snow or over hard-frozen soil conditions: Was soil disturbance observed today? ⁴	N/A												
Inspector's Initials	JD												

¹ **Over dry soil conditions:** Soils are dry (i.e., loose and will not form a ball when squeezed by hand) to a depth of one foot.

² **Over hard-frozen soil conditions:** soils and road surfaces in areas of equipment operations are solidly frozen to a depth sufficient to support the weight of operating equipment.

³ **Over snow:** Snow depth is sufficient to allow the operation of equipment without resulting in visible disturbance of soils.

⁴ If soil disturbance is observed: Detail when, where, and why these disturbances occurred and what corrective actions were taken to prevent impacts to water quality. **Retain this information within the monitoring file. If a discharge of sediment to a waterbody has occurred you must contact Water Board staff within 24 hours of detection at (530)542-5400.**

Category 5 Application Form and Monitoring and Reporting Program

for
CAL FIRE – Approved Plans

Conditional Waiver of Waste Discharge Requirements for Timber Harvest and Vegetation Management Activities

Please type or print clearly in ink

For Water Board staff use only;
WDID # _____
Date of Receipt: _____
Lead Water Board Staff: _____
Contact #: _____

1. Plan Name:

CAL FIRE Issued Plan Number:

2. Name and Phone Number of Contact Person(s): (List the primary person(s) supervising/implementing on-site operations.)

Name:	Phone:
Name:	Phone:

I, the Landowner, or agent thereof, hereby agree to meet the conditions and eligibility criteria of Category 5 of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029.

Signature: _____ Date: _____

Plans located in the Lake Tahoe or Truckee River Hydrologic Units Only:

If your plan includes any of the following activities within the 100-year floodplain and/or stream environment zone, please contact Water Board staff immediately to discuss required submittals and to initiate the public announcement/review (10 days) required prior to Water Board staff review and approval:

- enlargement of existing permanent watercourse crossings on existing roads
- construction of temporary roads
- construction of temporary watercourse crossings to remain in place longer than one season
- construction of skid trails
- pile burning
- conventional equipment operated off-road in SEZs or floodplains

Review Attachment N for more information on how Water Board policies may apply to your proposed activities. Please contact Water Board staff as soon as possible if you are planning any timber harvest or vegetation management activities within the 100-year floodplain or stream environment zone within the Lake Tahoe or Truckee River Hydrologic Units.

Monitoring and Reporting Program

Pursuant to Water Code section 13267 visual monitoring and semi-annual reporting are required for all activities that proceed under Category 5 of the Timber Waiver.

Implementation Monitoring:

Fall Implementation Monitoring: Review Attachment G for monitoring required before the winter period of each year. This monitoring must be reported to the Water Board by **January 15**. A "final compliance report" or "work completion report" inspection, conducted by the California Department of Forestry and Fire Protection (CAL FIRE) prior to the winter period and after cessation of active harvesting and road construction, may be substituted for fall implementation monitoring if the inspection covers the entire plan area and the report is submitted to the Water Board by January 15.

Winter Implementation Monitoring: Review Attachment H for monitoring required at the conclusion of winter operations each year. This monitoring must be reported to the Water Board by **July 15**.

Forensic and Effectiveness Monitoring:

Forensic and effectiveness monitoring is required if **any** of the following conditions exist within the plan. If none of these conditions exist, then only Implementation monitoring is required.

- Construction or re-construction of watercourse crossings over Class I, II or Class IV (with domestic use) watercourses
- Ground based equipment operations within waterbody buffer zone(s) beyond an existing road prism
- Winter operations
- Road construction or re-construction within 150 feet of a Class I, II or IV (with domestic use) waterbody
- Landing construction or re-construction within waterbody buffer zone(s)
- Ground-based equipment operations in areas classified High or Extreme Erosion Hazard Rating
- Ground-based equipment operations on slopes over 50 percent
- Ground-based equipment operations on slopes over 30 percent in the Lake Tahoe Basin

Forensic Monitoring: Review Attachment I for monitoring required after significant rain events. This monitoring must be reported to the Water Board by **July 15** of each year.

Effectiveness Monitoring: Review Attachment J for monitoring required at the end of the winter period each year. This monitoring must be reported to the Water Board by **July 15**.

Photo-Point Monitoring:

Photo-point monitoring (as described in Attachment L) is required if **any** of the following conditions exist within the plan or if Water Board staff specifically requests photo-point monitoring for particular areas of your plan (e.g., during the interdisciplinary review team process or site visit).

- Construction or reconstruction of a bridge crossing over a watercourse
- Construction or reconstruction of a watercourse crossing using a culvert that is 24 inches or greater in diameter

Request for modified monitoring and reporting program:

Subject to approval by the Executive Officer, you may request to modify, reduce, or remove monitoring and/or reporting conditions for your plan. Your request must include a description of what you are proposing and why it is warranted for your plan.

Fall Implementation Monitoring Form

Categories 5, and 6

**This form and associated monitoring must be completed
before the winter period (as defined in Attachment A)
and submitted to the Water Board by January 15**

Please type or print clearly in ink

Fall implementation monitoring is visual monitoring of timber harvest and vegetation management areas, roads, stream crossings, landings, etc., to ensure all management practices designed to prevent sediment delivery and protect water quality (such as erosion control measures, riparian buffers, water bars, critical dips) are in place and secure prior to the winter period (as defined in Attachment A). Fall implementation monitoring and reporting is required every year for the duration of the activity and until a Notice of Termination of Timber Waiver Coverage is issued by Water Board staff. This complete form or report containing equivalent information must be submitted in accordance with the requirements of this monitoring and reporting program.

Fall implementation monitoring is required for activities that proceed under Category 5 or 6 until a Notice of Termination of Timber Waiver Coverage is issued by Water Board staff.

1. **Activity/Plan Name:**

2. **WDID Number:**

3. Yes No Have timber harvest and vegetation management activities under this activity/plan commenced?

If **yes**, please complete this form and associated monitoring.

If **no**, when are operations anticipated to begin (if known)? _____

If operations have not commenced by November 15, you are not required to complete the remainder of this form, please sign the landowner signature box at the bottom of page 5, and submit to the Water Board by January 15.

4. **Inspector's name and title:**

Date of inspection:

All of the following sites (sections 5 – 16) must be inspected before the Winter Period, or indicated as not present within the activity area:

5. **Watercourse crossings:** Inspected: None within area:

Yes No **Have all watercourse crossings and associated fills and approaches been constructed or reconstructed to prevent diversion of stream overflow down the road and to minimize fill erosion and delivery to a waterbody if the drainage structure became plugged?**

Yes No **Are all necessary critical dips properly installed?** (A properly installed critical dip, or other overflow structure, should be on the downhill side of all crossings.)

Yes No **Is there any risk of stream diversion during a high runoff event?**

- Yes No **Is road runoff disconnected before it reaches the watercourse crossing?**
(For example, are waterbreaks (i.e., rolling dips or waterbars) placed on the approaches to the crossing so that runoff and sediment is filtered prior to potential discharge to a waterbody? It may be impossible to disconnect all of the road drainage from the watercourse. However, the length of road draining to the stream should be kept to a minimum.)
- Yes No **Are all fill slopes adequately armored?**
- Yes No **If road surfacing (e.g., rock aggregate) is to be used near or at the watercourse crossing, is it done to the specification listed in the approved plan?** (At the minimum, rocking should be done at the size, depth, and extent listed in the approved plan.)
- Yes No **Are culverts clear of debris?**
- Yes No **Have all constructed or reconstructed watercourse crossings been installed and armored to prevent sediment discharge?** (e.g., by channel erosion, inlet scour, and road fill erosion)
- Yes No **Do all Class I watercourse crossings allow for fish passage?**
- Yes No **Have all temporary (seasonal) watercourse crossings been removed?** (All temporary fill should be excavated to form a channel that is as close as feasible to the natural watercourse grade and orientation, and that is wider than the natural channel.)

Additional notes on watercourse crossings within the activity area:

6. **Water diversions and watering holes:** Inspected: None within area:

Additional notes on water diversions and watering holes within the activity area:

7. **All roads:** Inspected: None within area:

- Yes No **Are all roads** (permanent, seasonal, or temporary road segments used for timber operations within the activity area, and roads appurtenant to operations where such roads are under the ownership or control of the landowner or manager) **adequately stabilized to prevent sediment delivery to a waterbody?**

Additional notes on road segments within the activity area:

8. **All existing and constructed landings:** Inspected: None within area:

Yes	No	Are all landings adequately stabilized (as defined in Attachment A) to prevent sediment delivery to a waterbody?
-----	----	---

Additional notes on existing and constructed landings within the activity area:

9. **All existing and constructed skid trails:** Inspected: None within area:

Yes	No	Are all skid trails adequately stabilized to prevent sediment delivery to a waterbody? (e.g., are all water bars properly installed)
-----	----	---

Additional notes on existing and constructed skid trails within the activity area:

10. **Status of all known or suspected landslides near roads, streams, or ground-based equipment operations:** Inspected: None within area:

Additional notes landslides within the activity area:

11. **All unstable areas:** Inspected: None within area:

Yes	No	Were unstable areas avoided during timber harvest and vegetation management activities? (Unless allowed in the approved plan, make sure that timber harvest and vegetation management activities did not occur in unstable areas.)
-----	----	---

Yes	No	If timber harvest and vegetation management activities are permitted within unstable areas, have all site-specific mitigations listed within the approved plan been implemented?
-----	----	---

Additional notes on unstable areas within the activity area:

12. **Recommendations made by Water Board staff during the pre-harvest inspection:** (if not covered elsewhere in this report)

Inspected: None within area:

Yes No **Were all written recommendations made by Water Board staff in the pre-harvest inspection report implemented?**

Additional notes on recommendations made by Water Board staff:

13. Yes No **Have all management practices** (e.g., riparian buffers, erosion control measures, water bars, critical dips) **been implemented to prevent sediment delivery to surface waters?**

If not, please explain what corrective measures will be taken to maintain compliance with the Timber Waiver and to prevent impacts to water quality:

(attach additional pages if necessary)

14. Yes No **Did you observe any signs of sediment delivery or potential sediment delivery** (e.g., failed stream banks, rills, gullies, unstabilized spoils) **within the activity area?**

If so, please describe the sediment sources, and what corrective measures will be taken to maintain compliance with the Timber Waiver and to prevent impacts to water quality:

(attach additional pages if necessary)

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, and all eligibility criteria and conditions for Category 5 or 6 of the Timber Waiver. If any deviation from the approved plan, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____ Date: _____

Name: _____ Title: _____

Invitation for feedback: Water Board staff respectfully request any constructive feedback regarding the monitoring program with regard to your timber harvest and vegetation management activities. Completing this section is not a requirement. Water Board staff may use your comments and suggestions to improve this program for future activities. Comments may include:

- perceived effectiveness of the program in protecting water quality
- recommendations on how to make the monitoring program more efficient, reliable, or effective
- impressions of recommendations made by Water Board staff regarding your activities (e.g., Do they appear to be effective, is there a practice or a performance standard that would have been more cost-effective at protecting water quality?)

Winter Implementation Monitoring Form

Categories 4, 5, and 6

This form and associated monitoring must be completed at the conclusion of winter operations, or by April 1, whichever is sooner, and submitted to the Water Board by July 15

Please type or print clearly in ink

Winter implementation monitoring is only required if you conducted winter period operations, and consists of visual monitoring of areas where winter operations have occurred. This inspection should verify all management measures designed to prevent sediment delivery and protect water quality are in place and secure at the conclusion of winter operations.

1. Activity/Plan Name:
2. WDID Number:
3. Inspector's name and title:
- Date of inspection:

4. Yes No **Have all watercourse crossings and associated fills and approaches been constructed or reconstructed to prevent diversion of stream overflow and to minimize fill erosion and delivery to a waterbody if the drainage structure becomes plugged?** If no, please explain in an addendum to this form how stream diversion or obstruction and/or sediment delivery to a watercourse will be prevented.
5. Yes No **Have all necessary critical dips been properly installed?** If no, please explain in an addendum to this form why they have not been installed and/or when they will be installed.
6. Yes No Not applicable to this activity **Have all temporary over-snow skid trail watercourse crossings been removed without disturbing soils or damaging watercourse bed or banks?** If no, please explain in an addendum to this form what actions have been taken to resolve watercourse bed or bank disturbance, or when temporary crossings will be removed.
7. Yes No Not applicable to this activity **Has all snow movement, plowing, packing, and/or cutting associated with timber harvest and vegetation management activities allowed for adequate road drainage and dissipation of snowmelt or runoff?** If no, please explain in an addendum to this form why road drainage and runoff dissipation is inadequate, and when it will be resolved.

8. Yes No Not applicable to this activity **Have all culverts and drainage structures been cleared of debris, packed snow, and ice?** If no, please explain in an addendum to this form why, and when this work will be implemented.

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, and all eligibility criteria and conditions for Category 5 or 6 of the Timber Waiver. If any deviation from the submittals to the Water Board, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____

Date: _____

Name: _____

Title: _____

Invitation for feedback: Water Board staff respectfully request any constructive feedback regarding the monitoring program with regard to your timber harvest and vegetation management activities. Completing this section is not a requirement. Water Board staff may use your comments and suggestions to improve this program for future activities. Comments may include:

- perceived effectiveness of the program in protecting water quality
- recommendations on how to make the monitoring program more efficient, reliable, or effective
- impressions of recommendations made by Water Board staff regarding your activities (e.g., Do they appear to be effective, is there a practice or a performance standard that would have been more cost-effective at protecting water quality?)

Forensic Monitoring Form

Categories 5 and 6

This form and associated monitoring must be completed soon after two significant rain (> 2 inches) and/or snow-melt events and submitted annually to Water Board by July 15

Please type or print clearly in ink

Forensic monitoring: is conducted soon after significant rain or snow-melt events and consists of visual monitoring of:

- surface waters
- watercourse crossings
- landings
- unstable areas
- roads
- waterbody buffer zones
- skid trails

The purpose of this monitoring is to:

- (1) detect elevated turbidity levels in surface waters, and locate sources of sediment discharges;
- (2) determine the condition of installed management measures,
- (3) detect failure to implement necessary management measures,
- (4) detect water quality impacts caused by failed management measures,
- (5) detect water quality impacts related to legacy timber activities and general timber harvest and vegetation management activities; and
- (6) identify sources of potential sediment delivery in a timely manner so that corrective action may be taken to avoid sediment discharges to water bodies.

This monitoring must be conducted at least twice each year and reported on July 15 for the duration of timber harvest and vegetation management activities and until a Notice of Termination of Timber Waiver Coverage is issued by Water Board staff. This form or report containing equivalent information must be completed and signed.

Forensic monitoring is required for activities that proceed under Category 5 or 6 until a Notice of Termination of Timber Waiver Coverage is issued by Water Board staff.

Activity Name:

WDID Number:

Yes No Have timber harvest and vegetation management activities commenced?

If **yes**, please complete this form and associated monitoring.

If **no**, when are operations anticipated to begin (if known)? _____

If operations have not commenced by May 1, you are not required to complete the remainder of this form, please sign the landowner signature box at the bottom of page 8 and submit to the Water Board by July 15th.

Inspection #1

Within 36 hours of a significant rain (>2 inches in 24 hours) or snow-melt event inspect accessible areas and waterbodies immediately downstream of operations and complete the following:

1. **Inspector's name and title:**

2. **Date of inspection:**

3. **Weather Observations and Precipitation Levels:**

(Some of this information may be obtained at the following webpage: <http://water.weather.gov/>)

Stream Stage (select one):	<input type="checkbox"/> Dry	<input type="checkbox"/> Low	<input type="checkbox"/> Moderate	<input type="checkbox"/> High	<input type="checkbox"/> Flooding
Precipitation (select one):	<input type="checkbox"/> None	<input type="checkbox"/> Drizzle	<input type="checkbox"/> Rain	<input type="checkbox"/> Snow	
Date of and approximate amount of last precipitation:	(This information may be obtained at the following webpage: http://water.weather.gov/)				
Accumulated precipitation this season:	_____ inches of	<input type="checkbox"/> Rain	<input type="checkbox"/> Snow		
(This information may be obtained at the following webpage: http://water.weather.gov/)					
Additional notes on weather and precipitation:					

Inspect all the following areas and infrastructure (sections 4-10) within the activity area if accessible.

Use the space following each area listed below to indicate whether such areas exist within the activity area, if they were inspected, or if they were not accessible for inspection.

Look for signs of erosion and transport of sediment to a waterbody. These signs may include:

- landsliding
- erosion voids
- tension cracking or settling of road fill or sidecast
- rilling or gullying of road surfaces, road fills, landings, cutbanks, etc.
- increased levels of sediment/turbidity in waterbodies immediately downstream of operations

Use the space following each area listed below to indicate if evidence of sediment erosion or delivery to a waterbody are observed.

If evidence of sediment erosion and delivery to a waterbody are observed:

- Identify the waterbody and describe specific locations within or adjacent to the waterbody.
- Photograph the source of sediment and point of delivery to the waterbody and record photo monitoring using the Photo-Point Monitoring Form (Attachment L).
- Describe what and when corrective measures will be taken to stop sediment delivery and protect water quality.
- Report discharges by telephone (530) 542-5400 no later than 24 hours after detection.

If increased levels of sediment/turbidity are observed in neighboring waterbodies:

- Describe where and in which waterbody.
- Explain if this turbidity is a result of sediment discharges from within the activity area. Is the sediment coming from a hillslope feature such as a stream crossing or unstable area? Cause-and-effect can be determined if the water becomes noticeably muddy below a hillslope feature.
- Describe what and when corrective measures will be taken to stop sediment delivery and protect water quality.

If any erosion or failed management measures cause sediment delivery to a waterbody, then photo-point monitoring is required using the Photo-Point Monitoring Form (Attachment L).

Forensic monitoring requirements are waived if significant environmental impacts would result from road system use to access the activity area, or if worker safety would be compromised. If these areas are not accessible for monitoring, please indicate why. Acceptable reasons may include:

- Significant environmental impacts would result from road system use to access the activity area or waterbodies immediately downstream of operations.
 - Worker safety would be compromised.
4. Areas where timber harvest and vegetation management activities have been conducted within or near unstable areas.

<input type="checkbox"/> none exist
(attach additional pages if necessary)

5. Constructed or re-constructed watercourse crossings.

<input type="checkbox"/> none exist
(attach additional pages if necessary)

6. Waterbody Buffer Zones where ground based equipment operations have occurred (e.g., skid trail crossings).

<input type="checkbox"/> none exist
(attach additional pages if necessary)

7. Road construction or reconstruction within 150 feet of a Class I, II, or IV (with domestic use) watercourse.

none exist

(attach additional pages if necessary)

8. Landing construction or reconstruction within waterbody buffer zone(s).

none exist

(attach additional pages if necessary)

9. Areas classified as high or extreme erosion hazard rating where ground-based equipment has been operated and there is potential for water quality impacts.

none exist

(attach additional pages if necessary)

10. Areas of in-lieu practices that have the potential to impact water quality.

none exist

(attach additional pages if necessary)

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and is complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, and all eligibility criteria and conditions for Category 5 or 6 of the Timber Waiver. If any deviation from the approved plan, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____ Date: _____

Name: _____ Title: _____

Inspection #2

Within 36 hours of a significant rain (>2 inches in 24 hours) or snow-melt event inspect accessible areas and waterbodies immediately downstream of operations and complete the following:

1. **Inspector's name and title:**

2. **Date of inspection:**

3. **Weather Observations and Precipitation Levels:**

(Some of this information may be obtained at the following webpage: <http://water.weather.gov/>)

Stream Stage (select one):	<input type="checkbox"/> Dry	<input type="checkbox"/> Low	<input type="checkbox"/> Moderate	<input type="checkbox"/> High	<input type="checkbox"/> Flooding
Precipitation (select one):	<input type="checkbox"/> None	<input type="checkbox"/> Drizzle	<input type="checkbox"/> Rain	<input type="checkbox"/> Snow	
Date of and approximate amount of last precipitation:	(This information may be obtained at the following webpage: http://water.weather.gov/)				
Accumulated precipitation this season:	_____ inches of	<input type="checkbox"/> Rain	<input type="checkbox"/> Snow	(This information may be obtained at the following webpage: http://water.weather.gov/)	
Additional notes on weather and precipitation:					

Inspect all the following areas and infrastructure (sections 4-10) within the activity area if accessible.

Use the space following each area listed below to indicate whether such areas exist within the activity area, if they were inspected, or if they were not accessible for inspection.

Look for signs of erosion and transport of sediment to a waterbody. These signs may include:

- landsliding
- erosion voids
- tension cracking or settling of road fill or sidecast
- rilling or gullying of road surfaces, road fills, landings, cutbanks, etc.
- increased levels of sediment/turbidity in waterbodies immediately downstream of operations

Use the space following each area listed below to indicate if evidence of sediment erosion or delivery to a waterbody are observed.

If evidence of sediment erosion and delivery to a waterbody are observed:

- Identify the waterbody and describe specific locations within or adjacent to the waterbody.
- Photograph the source of sediment and point of delivery to the waterbody and record photo monitoring using the Photo-Point Monitoring Form (Attachment L).
- Describe what and when corrective measures will be taken to stop sediment delivery and protect water quality.
- Report discharges by telephone (530) 542-5400 no later than 24 hours after detection.

If increased levels of sediment/turbidity are observed in neighboring waterbodies:

- Describe where and in which waterbody.
- Explain if this turbidity is a result of sediment discharges from within the activity area. Is the sediment coming from a hillslope feature such as a stream crossing or unstable area? Cause-and-effect can be determined if the water becomes noticeably muddy below a hillslope feature.
- Describe what and when corrective measures will be taken to stop sediment delivery and protect water quality.

If any erosion or failed management measures cause sediment delivery to a waterbody, then photo-point monitoring is required using the Photo-Point Monitoring Form (Attachment L).

Forensic monitoring requirements are waived if significant environmental impacts would result from road system use to access the activity area, or if worker safety would be compromised. If these areas are not accessible for monitoring, please indicate why. Acceptable reasons may include:

- Significant environmental impacts would result from road system use to access the activity area or waterbodies immediately downstream of operations.
- Worker safety would be compromised.

4. Areas where timber harvest and vegetation management activities have been conducted within or near unstable areas.

<input type="checkbox"/> none exist
(attach additional pages if necessary)

5. Constructed or re-constructed watercourse crossings.

<input type="checkbox"/> none exist
(attach additional pages if necessary)

6. Waterbody Buffer Zones where ground based equipment operations have occurred (e.g., skid trail crossings).

<input type="checkbox"/> none exist
(attach additional pages if necessary)

7. Road construction or reconstruction within 150 feet of a Class I, II, or IV (with domestic use) watercourse.

none exist

(attach additional pages if necessary)

8. Landing construction or reconstruction within waterbody buffer zone(s).

none exist

(attach additional pages if necessary)

9. Areas classified as high or extreme erosion hazard rating where ground-based equipment has been operated and there is potential for water quality impacts.

none exist

(attach additional pages if necessary)

10. Areas of in-lieu practices that have the potential to impact water quality.

none exist

(attach additional pages if necessary)

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and is complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, and all eligibility criteria and conditions for Category 5 or 6 of the Timber Waiver. If any deviation from the approved plan, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____ Date: _____

Name: _____ Title: _____

Invitation for feedback: Water Board staff respectfully request any constructive feedback regarding the monitoring program with regard to your timber harvest and vegetation management activities. Completing this section is not a requirement. Water Board staff may use your comments and suggestions to improve this program for future activities. Comments may include:

- perceived effectiveness of the program in protecting water quality
- recommendations on how to make the monitoring program more efficient, reliable, or effective
- impressions of recommendations made by Water Board staff regarding your activities (e.g., Do they appear to be effective, is there a practice or a performance standard that would have been more cost-effective at protecting water quality?)

Effectiveness Monitoring Form

Categories 5 and 6

This form and associated monitoring must be completed soon after the winter period, between March 15 and June 15, and submitted to Water Board by July 15

Please type or print clearly in ink

Effectiveness monitoring: is a visual evaluation of management measures (e.g., erosion control structures) and infrastructure (e.g., roads and watercourse crossings) within the activity area following the winter period, typically between March 15 and June 15, to determine the effectiveness of implemented management measures in preventing sediment discharge to surface waters and protecting water quality, and to identify any points of sediment delivery that may have developed during the winter. Effectiveness monitoring and reporting is required annually for the duration of the timber harvest and vegetation management activities and one spring season following completion of timber harvest and vegetation management activities.

As soon as possible, following the winter period, inspect the activity area and complete this form or report containing equivalent information. However, do not access the site if soils are saturated, if significant environmental impacts would result from road system use, or if worker safety would be compromised.

Management measures are considered to be effective if they result in no significant pollution or have little risk of significant pollution. The landowner should focus on the following areas and inspect them for signs of sediment delivery to watercourses.

1. **Activity/Plan Name:**

WDID Number:

2. **Inspector's name and title:**

Date of inspection:

3. **Weather Observations and Precipitation Levels:** Complete the following based on site-specific observations and/or local weather data.

Accumulated precipitation this season: _____ inches of Rain Snow

(This information may be obtained at the following webpage: <http://water.weather.gov/>)

Additional notes on weather and precipitation:

Inspect all the following areas and infrastructure (sections 4-10) within the activity area once conditions allow.

Use the box spaces following each area listed below to indicate whether such areas exist within the activity area, if they were inspected, or if they were not accessible for inspection.

During your inspection look for signs of erosion and transport of sediment to a waterbody. These signs may include:

- Landsliding
- erosion voids
- tension cracking or settling of road fill or sidecast
- rilling or gullyng of road surfaces, road fills, landings, cutbanks, etc.
- increased levels of sediment in waterbodies immediately downstream of operations

Use the box spaces following each area listed below to indicate if evidence of sediment erosion or delivery to a waterbody are observed.

If evidence of sediment erosion and delivery of waste to waterbodies are observed:

- Describe where.
- Photograph the source of sediment and point of delivery to the waterbody and record photo monitoring using the Photo-Point Monitoring Form (Attachment L).
- Describe what and when corrective measures will be taken to stop sediment delivery and protect water quality.

If any evidence of failed management measure is observed:

- Describe what management practice failed and its location within the activity area.
- Describe what and when corrective measures will be taken to stop and/or prevent sediment delivery and protect water quality.

4. Constructed or re-constructed watercourse crossings.

(attach additional pages if necessary)

5. Landing management measures.

(attach additional pages if necessary)

6. Areas of in-lieu practices that have the potential to impact water quality.

(attach additional pages if necessary)

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that all information contained in this monitoring report is true, accurately represents site conditions, and is complete. I also certify that all timber harvest and vegetation management activities conducted have been in conformance with all the general conditions of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, and all eligibility criteria and conditions for Category 5 or 6 of the Timber Waiver. If any deviation from the approved plan, and/or the Timber Waiver eligibility criteria and conditions has been identified I have disclosed such deviations in this form along with corrective actions that will be taken to resolve the problem.

Signature: _____

Date: _____

Name: _____

Title: _____

Invitation for feedback: Water Board staff respectfully request any constructive feedback regarding the monitoring program with regard to your timber harvest and vegetation management activities. Completing this section is not a requirement. Water Board staff may use your comments and suggestions to improve this program for future activities. Comments may include:

- perceived effectiveness of the program in protecting water quality
- recommendations on how to make the monitoring program more efficient, reliable, or effective
- impressions of recommendations made by Water Board staff regarding your activities (e.g., Do they appear to be effective, is there a practice or a performance standard that would have been more cost-effective at protecting water quality?)

Attachment K
California Regional Water Quality Control Board
Lahontan Region

**Category 6 Application Form
and
Monitoring and Reporting Program**
Conditional Waiver for Timber Harvest and Vegetation
Management Activities

Please type or print clearly in ink

For Water Board staff use only;
WDID # _____
Date of Receipt: _____
Lead Water Board Staff: _____
Contact #: _____

1. **Activity Name:** (Enter name given to activity, if any)

CAL FIRE Number: (If regulated by CAL FIRE, enter the number of the plan or exemption/emergency notice assigned to the activity if available. If a CAL FIRE number is not available, but the activities will proceed under an exemption or emergency, please state "CAL FIRE Exemption" or "CAL FIRE Emergency" in this box.)

County:

2. **Landowner's Contact Information:** (If there is more than one landowner, list their contact information in an addendum to this form.)

Name of individual, company, or agency:		
Company or agency contact:		
Address:		
City:	State:	Zip Code:
Phone:	E-mail address (optional):	

3. **RPF, Federal Forestry Professional, or Natural Resource Professional Contact Information:**

Name:	RPF License Number:	
Address:		
City:	State:	Zip Code:
Phone:	E-mail address (optional):	

4. **Name and Phone Number of Contact Person(s):** (List the primary person(s) supervising/implementing on-site operations.)

Name:	Phone:
Name:	Phone:

If information requested in this form is included in existing documents or plans those documents may be used to substitute for information specifically requested in this form. These documents must be submitted to the Water Board and specifically referenced (by page number) within this application.

5. Summary of Activity Information:

Total Activity Area Size (in acres):	Silvicultural prescription(s) or activity purpose:
--------------------------------------	--

Indicate type of yarding system(s) and equipment proposed for use (if any):

<u>Ground Based:</u>	<u>Cable:</u>	<u>Special:</u>
<input type="checkbox"/> Tractor, including end/long lining	<input type="checkbox"/> Cable, ground lead	<input type="checkbox"/> Hand crew
<input type="checkbox"/> Rubber tired skidder, Forwarder	<input type="checkbox"/> Cable, high lead	<input type="checkbox"/> Masticator/Chipper
<input type="checkbox"/> Feller buncher	<input type="checkbox"/> Cable, skyline	<input type="checkbox"/> Helicopter
		<input type="checkbox"/> Other: _____

6. Waterbody Classification: What types of waterbodies exist within the activity area? (Information on waterbody classification is provided in Attachment B.) Check all that apply:

<input type="checkbox"/> Class I	<input type="checkbox"/> Class II	<input type="checkbox"/> Class III
<input type="checkbox"/> Class IV	<input type="checkbox"/> Unclassified	<input type="checkbox"/> None within activity area

7. Prescribed fire:

Yes No

Do the proposed activities include prescribed fire?

If yes, summarize the purpose and method of the burn prescription, including design features or mitigation measures to reduce impacts to less than significant:

(attach burn plan or additional pages if necessary)

If the prescribed burning described above is the only reason why your planned activities are not eligible under Category 4, you do not need to proceed with the rest of this application.

8. Specific Activity Information:

Yes*	No	Do existing roads and landings proposed for use exhibit signs of erosion or instability, including rills, gullies, or tension cracking?
*If you answered yes to the above question, please answer the following:		
	Yes No	Could this erosion or instability result in sediment delivery to a waterbody? If yes, describe mitigation measures that will be implemented to stop the delivery of sediment to waterbodies, or drainage structures that drain to waterbodies:
(attach additional pages if necessary)		

9. Provide activity information below as required in conditions 4 and 5 on pages 23 and 24 of the Timber Waiver:

(attach additional pages if necessary)

Yes No **Are operations within the winter period (as defined in Attachment A) proposed?**

If yes, what management practices have been incorporated to prevent soil disturbance and sediment delivery to waterbodies?

(attach additional pages if necessary)

Yes No **Do you anticipate the need to apply pesticides (as defined in Attachment A) to the activity area?**

or
Unknown

If yes, please notify the Water Board staff in an addendum to this form, or in a separate notice, at least 30 days prior to the proposed application. See Condition 21 of the Timber Waiver on page 26.

10. Map of Activity Area: To complete your application, include a USGS 7.5 minute topographic (or equivalent or greater scale) map that clearly indicates the information listed below. Map(s) that have been created as part of a CEQA or other planning document, may substitute for creating an individual map for this application provided they meet the above scale requirements and include the information listed below. Ensure these maps have been submitted to the Water Board and provide all the required information.

- The activity area boundary.
- The relative location of the activities to a nearby city, town, or landmark.
- Location of private and public roads to be used within the activity area. Include the location of private and public roads that will be used to access the activity areas from a paved county, state, municipal, or federal road. Label the name or number of each road and indicate if such roads are under the ownership or control of the land owner or manager. (The appurtenant roads may be shown on a separate map which may be planimetric with a smaller scale.)
- Location of road failures on existing roads proposed for reconstruction.
- Location of proposed operations within Waterbody Buffer Zones.
- Location of proposed landing construction or reconstruction where greater than ¼ acre of excavation, grading, or surface clearing will occur or identify areas of possible landing construction.
- Location of all existing and proposed watercourse crossings, except for skid trail watercourse crossings.
- Approximate location of skid trail watercourse crossings.
- Location of erosion hazard rating areas, if more than one rating exists.
- Location of known unstable areas or slides.
- Boundaries of yarding (logging) systems, if more than one system is to be used.
- Location of proposed temporary over-snow skid trail watercourse crossings (if known).
- Location of marshes, meadows, springs, and other wet areas within the activity area.
- Location, classification, and name (if applicable) of all waterbodies within the activity area. (Information on waterbody classification is provided in Attachment B.) Complete the following if the activity area does not include a waterbody:

Name of nearest downstream waterbody:	
Classification:	
Distance from activity boundary:	

9. Certifications:

I, the Registered Professional Forester, Federal Forestry Professional, or Natural Resource Professional, hereby certify that the information in sections 7, 8, and 9 of this application accurately represents site conditions and that my assessments made above are true and correct.

Signature: _____ Date: _____

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that this application and all submittals to the Water Board accurately represent site conditions. I hereby agree to meet the conditions and eligibility criteria of Category 6 of the Conditional Waiver of Waste Discharge Requirements for Discharges Resulting from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029.

Signature: _____ Date: _____

Printed name & title: _____

Monitoring and Reporting Program

Pursuant to Water Code section 13267, visual monitoring and semi-annual reporting are required for all activities that proceed under Category 6 of the Timber Waiver.

Implementation Monitoring:

Fall Implementation Monitoring: Review Attachment G for monitoring required before the winter period of each year. This monitoring must be reported to the Water Board by **January 15**. A "final compliance report" or "work completion report" inspection, conducted by the California Department of Forestry and Fire Protection (CAL FIRE) prior to the winter period and after cessation of active harvesting and road construction, may be substituted for fall implementation monitoring if the inspection covers the entire plan area and the report is submitted to the Water Board by January 15.

Daily Winter-Period Monitoring: Review Attachment E for daily monitoring required if tractor, vehicle, or equipment operations occur in the winter period (as defined in Attachment A). This monitoring must be reported to the Water Board by **July 15**.

Winter Implementation Monitoring: Review Attachment H for monitoring required at the conclusion of winter operations each year. This monitoring must be reported to the Water Board by **July 15**.

Forensic and Effectiveness Monitoring:

Forensic and effectiveness monitoring is required if **any** of the following conditions exist within the plan. If none of these conditions exist, then only Implementation monitoring is required.

- Construction or re-construction of watercourse crossings over Class I, II or Class IV (with domestic use) watercourses
- Ground based equipment operations within waterbody buffer zone(s) beyond an existing road prism
- Winter operations
- Road construction or re-construction within 150 feet of a Class I, II or IV (with domestic use) waterbody
- Landing construction or re-construction within waterbody buffer zone(s)
- Ground-based equipment operations in areas classified High or Extreme Erosion Hazard Rating
- Ground-based equipment operations on slopes over 50 percent
- Ground-based equipment operations on slopes over 30 percent in the Lake Tahoe Basin

Forensic Monitoring: Review Attachment I for monitoring required after significant rain events. This monitoring must be reported to the Water Board by **July 15** of each year.

Effectiveness Monitoring: Review Attachment J for monitoring required at the end of the winter period each year. This monitoring must be reported to the Water Board by **July 15**.

Photo-Point Monitoring:

Photo-point monitoring (as described in Attachment L) is required if **any** of the following conditions exist within the plan or if Water Board staff specifically requests photo-point monitoring for particular areas of your plan (e.g., during application review, agency consultation, or site visit).

- Construction or reconstruction of a bridge crossing over a watercourse
- Construction or reconstruction of a watercourse crossing using a culvert that is 24 inches or greater in diameter

Attachment L
California Regional Water Quality Control Board
Lahontan Region

Photo-Point Monitoring Form

To be included with either:
Fall Implementation,
Winter Implementation, or
Winter Forensic and Spring Effectiveness
Monitoring Submittal

Please type or print clearly in ink, and attach all printed photos (labeled) or photos on CD (labeled)

If required, photo-point monitoring reports (with photos and data sheet) must be submitted with all monitoring reports submitted to the Water Board. Complete sections 1 and 2 of this form once, and submit with your Timber Waiver Application Form.

1. Identification of Photo-Point Monitoring Locations:

List all photo-point (PP) monitoring locations below with a brief description of what is located at that particular point (e.g., "Span crossing at Class I watercourse").

Photo-point monitoring locations must include all:

- Locations where span watercourse crossings will be constructed or reconstructed.
- Locations where watercourse crossings will be constructed or reconstructed using a 24-inch or greater diameter culvert.
- Points requested by Water Board staff.

PP #1:

PP #2:

PP #3:

PP #4:

(attach additional pages if necessary)

All photo-point monitoring locations must also be identified on a map that is included with this form and in the field with rebar, flagging, or other method that will last the duration of timber harvest and vegetation management activities.

2. Photo-Point Monitoring Purpose and Frequency:

To complete required photo-monitoring, photo-point monitoring must be completed for all points:

- prior to initiation of activities at the point
- during fall and winter implementation monitoring
- during forensic monitoring (if water quality problems are observed)
- during effectiveness monitoring.

Photo-Point Monitoring Data Sheet

1. **Activity Name:** _____
WDID Number: _____

Monitoring Type: Pre-Implementation Forensic Effectiveness
 Implementation

Inspector's name and title: _____

Date of inspection: _____

Point No. (as indicated on map) : _____ **Reason point identified** : _____
Date photo taken: _____ **Time photo taken:** _____
Observations/Notes: _____

Point No. (as indicated on map) : _____ **Reason point identified** : _____
Date photo taken: _____ **Time photo taken:** _____
Observations/Notes: _____

Point No. (as indicated on map) : _____ **Reason point identified** : _____
Date photo taken: _____ **Time photo taken:** _____
Observations/Notes: _____

Point No. (as indicated on map) :	_____	Reason point identified :	_____
Date photo taken:	_____	Time photo taken:	_____
Observations/Notes:	_____		

Point No. (as indicated on map) :	_____	Reason point identified :	_____
Date photo taken:	_____	Time photo taken:	_____
Observations/Notes:	_____		

Point No. (as indicated on map) :	_____	Reason point identified :	_____
Date photo taken:	_____	Time photo taken:	_____
Observations/Notes:	_____		

Point No. (as indicated on map) :	_____	Reason point identified :	_____
Date photo taken:	_____	Time photo taken:	_____
Observations/Notes:	_____		

Attachment M
California Regional Water Quality Control Board
Lahontan Region

Notice of Activity Completion Form

**To Certify Completion and Compliance with the Conditional Waiver for Timber Harvest and
Vegetation Management Activities and**

**Apply for Termination of Coverage, Monitoring, and Reporting Requirements
for All Activities Requiring Notification of Completion (Categories 4-6)**

Please type or print clearly in ink

1. **Activity Name:** (Enter name given to the activity, if any)

WDID Number:

2. **Date Activities Completed:**

3. **Landowner:**

Name of individual, company, or agency:	
Phone:	E-mail address (optional):

4. **Name and Phone Number of Contact Person(s):** (List the primary person(s) supervising/implementing on-site operations.)

Name:	Phone:
Name:	Phone:

5. **Activity Waiver Category:** (under which category did the activities proceed?)

- Category 4: Timber harvest and vegetation management activities which rely on existing roads, meet 10 criteria, and may include winter-period operations
- Category 5: CAL FIRE – Approved Plans
- Category 6: Timber harvest and vegetation management activities that do not qualify under categories 1 – 5

6. Attach completed implementation monitoring form (Attachment D for Category 4 and Attachment G for Category 5 and 6).

I, the Landowner, agent thereof, or Land Manager, hereby certify under penalty of perjury that the timber harvest and/or vegetation management activities for the above-referenced activity (plan) were conducted in conformance with applications and submittals to the Water Board and all general conditions and category-specific conditions and criteria of the Conditional Waiver of Waste Discharge Requirements for Discharges from Timber Harvest and Vegetation Management Activities in the Lahontan Region (Timber Waiver), Resolution R6T-2009-0029, for which my project was enrolled.

Signature: _____

Date: _____

Upon receipt of this Notice of Completion, and prior to approving or declining termination, Water Board staff will review submittals and may inspect the project or plan area. All monitoring and reporting requirements for the project will remain in effect until Water Board staff formally acknowledge termination of Timber Waiver coverage with a Notice of Termination addressed to the landowner.

Note: Dischargers who completed timber harvest and vegetation management activities under Category 5 and 6 are required to complete effectiveness monitoring (Attachment J) between March 15 and June 15 the season following completion of timber harvest and vegetation management activities and submit a report of such monitoring to the Water Board by July 15 the following year.

DO NOT WRITE IN THIS BOX: For Water Board Staff Use Only.

Date Form Received: _____

Lead Staff: _____

Site Inspection? No, Yes, date: _____

Staff Notes:

NOTICE OF TERMINATION:

This Notice of Project Completion Form has been reviewed, and I inspected did not inspect] the activity site. Based on my review, I am:

- terminating coverage under the Timber Waiver (Board Order No. R6T-2009-0029) for this activity. All applicable monitoring and reporting requirements are complete for this activity.
- not terminating coverage and requiring further monitoring pursuant to Water Code section 13267.
- terminating coverage and requiring a Report of Waste Discharge pursuant to California Water Code section 13260.

Printed Name: _____

Signature: _____

Effective Date: ____/____/____

Entered into CIWQS

Attachment N
California Regional Water Quality Control Board
Lahontan Region

**WASTE DISCHARGE PROHIBITION INFORMATION FOR
ACTIVITIES IN
FLOODPLAINS OF THE LITTLE TRUCKEE OR TRUCKEE RIVER HYDROLOGIC UNITS,
OR
STREAM ENVIRONMENT ZONES AND FLOODPLAINS OF THE LAKE TAHOE
HYDROLOGIC UNIT**

**Conditional Waiver of Waste Discharge Requirements
for Timber Harvest and Vegetation Management Activities**

To protect beneficial uses and achieve water quality objectives, the Basin Plan contains prohibitions against waste discharges to lands within 100-year floodplains in the Little Truckee, Truckee River and Lake Tahoe Hydrologic Units (HUs), and prohibitions against "permanent disturbance" in Stream Environment Zones (SEZs) in the Lake Tahoe HU. These prohibitions may apply to certain timber harvest and vegetation management activities conducted in these areas.

The information in this attachment:

1. Summarizes discharge prohibitions and available exemptions.
2. Outlines the types of activities that may require an exemption, and describes the general procedure for obtaining an exemption.
3. Specifies the types of activities and conditions that may proceed in 100-year floodplains and SEZs without triggering the need to obtain an exemption.

1. Waste Discharge Prohibitions and Exemptions

Little Truckee and Truckee River HU

100-year Floodplains

Chapter 4 (pages 4.1-4 and 4.1-7) of the Basin Plan specifies the following **discharge prohibitions**:

Page 4.1-4 4(c). "The discharge or threatened discharge, attributable to human activities, of solid or liquid waste materials including soil, silt, clay, sand, and other organic or earthen materials to lands within the 100-year floodplain of the Little Truckee River or any tributary to the Little Truckee River is prohibited."

Page 4.1-7 4(c). "The discharge or threatened discharge, attributable to human activities, of solid or liquid waste materials including soil, silt, clay, sand, and other organic or earthen materials to lands within the 100-year floodplain of the Truckee River or any tributary to the Truckee River is prohibited."

Chapter 4 (pages 4.1-4 and 4.1-5) provides that **exemptions** may be granted for the following categories of projects that are applicable to timber harvest and vegetation management activities conducted under the Timber Waiver:

- 1) Projects solely intended to reduce or mitigate existing sources of erosion or water pollution or to restore the functional value to previously disturbed floodplain areas.
- 2) Bridge abutments, approaches, or other essential transportation facilities identified in an approved county general plan.
- 3) Projects necessary to protect public health or safety or to provide essential public services.

Lake Tahoe HU

100-year Floodplains

Chapter 5 (page 5.2-3) of the Basin Plan specifies the following **discharge prohibitions** for activities within 100-year floodplains:

8. and 9. "The discharge, or threatened discharge, attributable to human activities, of solid or liquid waste materials, including soil, silt, clay, sand and other organic and earthen materials to lands below the highwater rim of Lake Tahoe or within the 100-year floodplain of any tributary to Lake Tahoe is prohibited."

Chapter 5 (page 5.7-6) provides that **exemptions** may be granted for the following categories of projects that are applicable to timber harvest and vegetation management activities in 100-year floodplains conducted under the Timber Waiver:

- 4) Public service facilities if: (a) the project is necessary for public health, safety or environmental protection, (b) there is no reasonable alternative, including spans, which avoids or reduces the extent of encroachment in the floodplain, and (c) impacts on the floodplain are minimized.
- 5) Erosion control projects, habitat restoration projects, SEZ restoration projects and similar projects provided that the project is necessary for environmental protection and there is no reasonable alternative which avoids or reduces the extent of encroachment in the floodplain.

Stream Environment Zones

Chapter 5 (page 5.2-3) of the Basin Plan specifies the following **discharge prohibitions** for activities within SEZs:

13. "The discharge or threatened discharge, attributable to new development in Stream Environment Zones, of solid or liquid waste, including soil, silt, sand, clay, rock, metal, plastic, or other organic, mineral or earthen materials, to Stream Environment Zones in the Lake Tahoe basin is prohibited."

"New development" as used in the Prohibition 13 means ". . . construction activity resulting in permanent soil disturbance . . . New development does not include maintenance or repair of an existing structure or the replacement of any existing structure with another structure on the same parcel of no greater land coverage." (Basin Plan page 5.2-4). This means that if an activity occurs in an SEZ that does not result in permanent disturbance, the prohibition is not violated.

Chapter 5 (page 5.8-7) provides that **exemptions** may be granted for the following categories of projects that are applicable to timber harvest and vegetation management activities in SEZs conducted under the Timber Waiver:

1. For public service facilities if:
 - a. The project is necessary for public health, safety or the environment;
 - b. There is no reasonable alternative, including spans, which avoids or reduces the extent of encroachment;
 - c. The impacts are fully mitigated; and
 - d. SEZ lands are restored in an amount 1.5 times the area of land developed or disturbed by the project
2. For erosion control projects, habitat restoration projects, wetland restoration projects, SEZ restoration projects, and similar projects, programs and facilities, if:
 - a. The project, program, or facility is necessary for environmental protection;
 - b. There is no reasonable alternative, including relocation, which avoids or reduces the extent of encroachment in the SEZ; and
 - c. Impacts are fully mitigated

According to the Basin Plan, impacts to SEZs due to erosion control projects, habitat restoration projects, wetland restoration projects, or SEZ restoration projects do not need to meet the 1.5:1 restoration requirement.

2. Types of Activities Which May Be Eligible for a Discharge Prohibition Exemption

In order to obtain an exemption for a waste discharge prohibition for timber harvest and vegetation management activities, applicants must provide Water Board staff with the information needed to justify the exemption, and allow for a 10-day public review and comment period. The Water Board's Executive Officer is authorized to grant these exemptions; therefore, no Water Board public hearing is typically required.

The nature of certain timber harvest and vegetation management projects makes them eligible for exemptions to the above-described prohibitions. Such eligible projects may include:

- Timber harvest and vegetation management projects to reduce fuel loading that are identified in a community wildfire protection plan
- Improvement of a stream crossing on an existing road to benefit water quality
- Timber harvest and vegetation management projects for aspen regeneration or improvement of riparian conditions
- Construction of an approach or bridge abutment within a 100-year floodplain to conduct timber harvest or vegetation management activities. (Such approaches or bridge abutments do not have to be identified in a county general plan)
- Timber harvest and vegetation management activities to protect forest values, such as wildlife habitat

Examples of activities conducted within 100-year floodplains or in SEZs that would require an exemption include:

- Enlargement of existing permanent watercourse crossings and/or roads
- Construction of temporary roads
- Construction of temporary watercourse crossings and associated approaches in place longer than one season
- Construction of skid trails
- Pile burning
- Conventional equipment operated off-road in SEZs or floodplains

3. Activities Not Requiring a Discharge Prohibition Exemption

Timber harvest and vegetation management activities listed below in Table N1, when conducted in compliance with the Timber Waiver and the conditions specified in Table N1, do not result in discharges in conflict with the above waste discharge prohibitions. Therefore, they **do not require a prohibition exemption** and may proceed as part of a project permitted under this Timber Waiver without any additional notification or authorization.

Table N1: Timber Harvest and Vegetation Management Activities within SEZs and 100-year Floodplains in the Truckee and Lake Tahoe Hydrologic Units (HUs) Which Do Not Violate Waste Discharge Prohibitions.

Activity	100-year Floodplains (Lake Tahoe and Truckee HUs)	Stream Environment Zones (Lake Tahoe HU)
Hand crew operations (except for pile burning)	Prohibited discharges to 100-year floodplains or permanent disturbance in SEZs do not occur if activities meet the eligibility criteria and comply with the conditions of Waiver Category 2.	
Over-snow equipment operation (no placement of slash within SEZs or 100 year floodplains)	Prohibited discharges to 100-year floodplains or permanent disturbance in SEZs do not occur if activities meet the eligibility criteria and comply with the conditions of Waiver Category 1, 4, 5 or 6.	
Operations on existing roads	Prohibited discharges to 100-year floodplains or permanent disturbance in SEZs do not occur if activities meet the eligibility criteria and comply with the conditions of applicable Waiver Category.	
Broadcast Burning	Prohibited discharges to 100-year floodplains or permanent disturbance in SEZs do not occur if activities meet the eligibility criteria and comply with the conditions of applicable Waiver Category.	
Operation of cut-to-length equipment with less than 13 psi ground pressure on granitic soils off existing roads in SEZs and 100-year floodplains	<p>Prohibited discharges to 100-year floodplains do not occur if activities meet all the following conditions:</p> <ul style="list-style-type: none"> a. Equilibrated groundwater levels are at least two feet below the soil surface. b. Soils are dry (as defined in Attachment A) to a minimum depth of 12 inches. c. Slash mats are employed or sufficient ground cover exists to prevent discharge of earthen materials to surface waters. d. Eligibility criteria and conditions of applicable Waiver Category are met. 	<p>Permanent disturbance in SEZs does not occur if activities meet all the following conditions:</p> <ul style="list-style-type: none"> a. Equilibrated groundwater levels are at least 2 feet below the soil surface. b. Soils are dry (as defined in Attachment A) to a minimum depth of 12 inches. c. Slash mats are employed or sufficient ground cover exists to prevent discharge of earthen materials to surface waters. d. Eligibility criteria and conditions of applicable Waiver Category are met.
Construction and removal of temporary watercourse crossings	<p>Prohibited discharges to 100-year floodplains do not occur if activities meet all the following conditions:</p> <ul style="list-style-type: none"> a. Temporary stream crossings are constructed with clean cobbles or logs. If sand or soil is used as running surface, BMPs must be in place (e.g. filter cloth, brow logs) to prevent discharge of earthen materials to surface waters. b. Stream crossings are completely removed at the end of operations, or prior to the winter period (as defined in Attachment A), whichever is sooner. c. Eligibility criteria and conditions of applicable Waiver Category are met. 	<p>Permanent disturbance in SEZs does not occur if activities meet Basin Plan Section 5.13 criteria:</p> <p>"Crossing of perennial streams or other wet areas shall be limited to improved crossings in accordance with the [TRPA] BMP handbook or to temporary bridge spans that can be removed upon project completion or the end of the work season, whichever is sooner, and damage to SEZ associated with a temporary crossing shall be restored within one year of removal."</p>

Activity	100-year Floodplains (Lake Tahoe and Truckee HUs)	Stream Environment Zones (Lake Tahoe HU)
Placement of chips or masticated material	Prohibited discharges to 100-year floodplains do not occur if activities meet a. or b., and c. below: a. Chips or masticated material is incorporated into the soil, or b. Chips or masticated material do not exceed an average of two inches in depth, with a maximum of four inches, and c. Eligibility criteria and conditions of applicable Waiver Category are met.	Placement of chips or masticated material does not result in "permanent soil disturbance" in SEZs if: a. Chips or masticated material is incorporated into the soil, or b. Chips or masticated material do not exceed an average of two inches in depth, with a maximum of four inches, and c. Eligibility criteria and conditions of applicable Waiver Category are met.
Repair or replacement of permanent crossings for existing roads, when new crossing is same size as existing.	Prohibited discharges to 100-year floodplains do not occur if activities do not involve the loss of additional floodplain area or volume (Basin Plan Sections 4.1 and 5.2)	New permanent SEZ disturbance is not attributable to maintenance, repair or replacement of an existing structure that does not result in greater land coverage (Basin Plan 5.2).

Notes:

1. For equipment use on steep slopes in the Lake Tahoe HU, refer to the Basin Plan or the TRPA code of ordinances for prohibitions and exemption criteria.
2. Water Board will consider new information to update this list. The Water Board, after a public hearing, may amend the Timber Waiver to modify the above list.

Monitoring and Reporting Program for U.S. Forest Service Activities Enrolled Under Timber Waiver Categories 4 or 6

Overview

Monitoring is required for U.S. Forest Service projects enrolled in Timber Waiver Categories 4 and 6, pursuant to Water Code section 13267. The U.S. Forest Service shall satisfy the monitoring requirements for these categories through a combination of its *Best Management Practices Evaluation Program* (BMPEP) and project-specific implementation monitoring plans, or by complying with the monitoring and reporting requirements of the Timber Waiver. The monitoring requirements and forms for Timber Waiver Categories 4 and 6 are found in Attachments D, E, G, H, I, J, and L.

Fall Implementation Monitoring Requirements

If the U.S. Forest Service does not use Timber Waiver fall implementation monitoring forms found in Attachments D or G, then U.S. Forest Service watershed staff shall create a project-specific fall implementation checklist that will be used by U.S. Forest Service personnel to verify that all BMPs are installed prior to the winter period (as defined in Attachment A) of any year of operations. This blank checklist shall be submitted to the Water Board with the project's Timber Waiver Category 4 or 6 application.

Fall implementation monitoring reports shall be submitted to the Water Board by **January 15** of each year. These reports shall include the completed BMP implementation checklist (or Attachment D or G) and identify any instances where BMPs were not implemented as required and any corrective action that was taken. If no corrective action was taken, but was identified as necessary, the U.S. Forest Service shall specify a schedule for corrective action to be completed.

Daily Winter Monitoring and Winter Implementation Monitoring Requirements

All U.S. Forest Service projects enrolled under Categories 4 or 6 that propose winter period operations must conduct daily winter monitoring and Winter Implementation Monitoring (see below). If the U.S. Forest Service does not use the Timber Waiver Daily Winter Period Monitoring Checklist (Attachment E), then U.S. Forest Service watershed staff shall create an equivalent project-specific winter monitoring checklist that will be used by U.S. Forest Service personnel to verify that conditions are suitable for such activities. This blank checklist shall be submitted to the Water Board with the project's Timber Waiver Category 4 or 6 application. Winter monitoring checklists (or Attachment E) shall be submitted to the Water Board by **July 15** of each year that winter operations occur.

U.S. Forest Service projects enrolled under Categories 4 or 6 that proceed with winter timber harvest and vegetation management activities shall also complete winter implementation monitoring. If the U.S. Forest Service does not use Timber Waiver winter implementation monitoring form (Attachment H), the U.S. Forest Service watershed staff shall create an equivalent project-specific winter implementation monitoring checklist that will be used by U.S. Forest Service personnel at the conclusion of winter operations (or before April 1) to verify that all management measures designed to prevent sediment delivery and protect water quality are in place and secure. This monitoring shall be submitted to the Water Board by **July 15** of each year that winter operations occur.

Forensic and Effectiveness Monitoring Requirements

Watersheds below Threshold of Concern and not tributary to any water listed on the Clean Water Act Section 303(d) List as impaired due to sediment

In watersheds **that are not elevated above the TOC by project activities**, the Forest Supervisor's Office shall submit an annual BMPEP report for all activities on the Forest to the Water Board by **July 15** of each year to fulfill the forensic and effectiveness monitoring requirements of this waiver. If the BMPEP report identifies failed or ineffective BMPs for projects enrolled under the Timber Waiver, U.S. Forest Service staff shall submit a supplemental narrative that addresses when corrective action will be implemented.

Watersheds at or above the Threshold of Concern or are tributary to any water listed on the Clean Water Act Section 303(d) List as impaired due to sediment (Projects enrolled in Waiver Category 6 only)

In watersheds **that are at or above the TOC, or that will be elevated above TOC due to project implementation, or are in watersheds within or tributary to 303(d) listed waters impaired for sediment**, U.S. Forest Service watershed staff shall submit a monitoring report that utilizes the BMPEP protocols to evaluate the effectiveness of implemented BMPs for any Category 6 activities (U.S. Forest Service projects enrolled in Waiver Category 4 are not subject to this requirement). BMPEP protocols shall be applied at focused "high risk" sites as determined by U.S. Forest Service watershed specialists based on location (i.e., activities on steep slopes or in proximity to waterbodies) and activity risk factors (e.g., road, landing, and watercourse crossing construction) rather than on a random basis to assess the effectiveness of the applied BMPs. This report shall be submitted to the Water Board by **July 15** following each year of project activities to fulfill the forensic and effectiveness monitoring requirements of this waiver. If the focused monitoring utilizing BMPEP protocols identifies failed or ineffective BMPs, U.S. Forest Service staff shall submit a supplemental narrative that addresses when corrective action will be implemented.

The U.S. Forest Service BMP handbook can be found at the following link:

http://www.fs.fed.us/r5/publications/water_resources/waterquality/water-best-mgmt.pdf

Chapter 15 of the handbook is the BMPEP user's guide.

Photo-Point Monitoring Requirements:

Photo-point monitoring (as described in Attachment L) is required if **any** of the following conditions exist within the plan or if Water Board staff specifically requests photo-point monitoring for particular areas of your plan (e.g., during application review, agency consultation, or site visit).

- Construction or reconstruction of a bridge crossing over a watercourse
- Construction or reconstruction of a watercourse crossing using a culvert that is 24 inches or greater in diameter

Photo-point monitoring shall be submitted with the relevant implementation monitoring report for the project (the submittal shall include before and after photos).

If evidence of sediment erosion and delivery to a waterbody are observed:

- Identify the waterbody and describe specific locations within or adjacent to the waterbody.
- Photograph the source of sediment and point of delivery to the waterbody and record photo monitoring using the Photo-Point Monitoring Form (Attachment L).
- Describe what and when corrective measures will be taken to stop sediment delivery and protect water quality.
- Report discharges to surface waters by telephone (530) 542-5400 no later than 24 hours after detection.

Attachment P
California Regional Water Quality Control Board
Lahontan Region

SUMMARY OF MONITORING AND REPORTING REQUIRED FOR CATEGORIES 4, 5, AND 6:

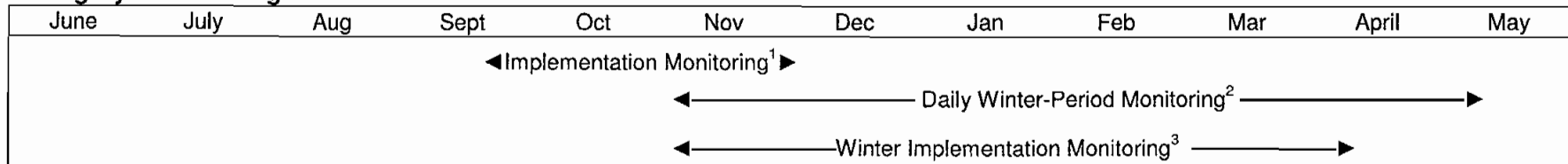
Reporting Required:

Category	Due annually by January 15 for duration of activities:	Due annually by July 15 for duration of activities:	Due upon completion:	Due by July 15 the year following completion of activities:
4	Fall Implementation Monitoring Report (Attachment D)	If required: Daily winter-period (Attachment E) and Winter Implementation (Attachment H) Monitoring Reports	Implementation Monitoring Report (Attachment D) & Activity Completion Form (Attachment M)	Not applicable
5	Fall Implementation Monitoring Report (Attachment G)	If required: Winter Implementation, Forensic, and Effectiveness Monitoring Reports (Attachments H, I, & J)	Implementation Monitoring Report (Attachment G) & Activity Completion Form (Attachment M)	If required: Effectiveness Monitoring Report (Attachment J)
6	Fall Implementation Monitoring Report (Attachment G)	If required: Winter Implementation, Forensic, and Effectiveness Monitoring Reports (Attachments H, I, & J) Daily winter-period monitoring report (Attachment E)	Implementation Monitoring Report (Attachment G) & Activity Completion Form (Attachment M)	If required: Effectiveness Monitoring Report (Attachment J)

Photo-point monitoring is required prior to commencement of timber harvest and vegetation management activities, and during implementation, forensic, and effectiveness monitoring for any activity that includes any of the following: (1) the construction or reconstruction of a span crossing over a watercourse, or (2) the construction or reconstruction of a watercourse crossing using a culvert that is 24 inches or greater in diameter. Photo-point monitoring may also be required upon the request of Water Board staff.

Additional activity-specific monitoring may be imposed pursuant to California Water Code 13267.

Category 4 Monitoring:

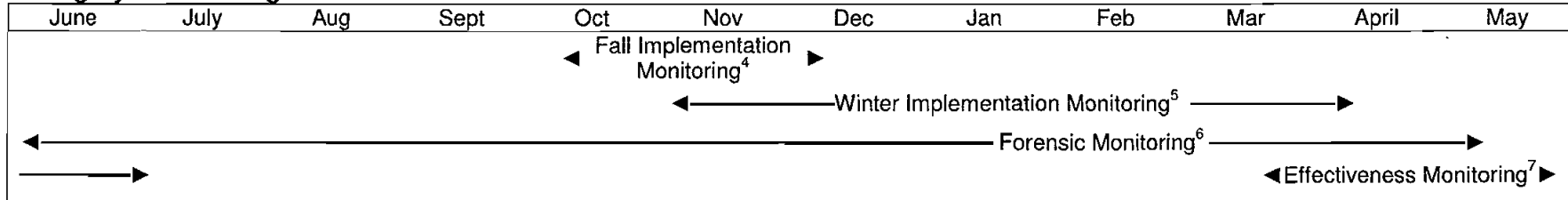


¹ Field work for implementation monitoring must be completed by November 15.

² Daily winter-period monitoring required only on days of equipment operation between November 15 and April 1 (or October 15 and May 1 in Tahoe/Truckee)

³ Winter implementation monitoring is required only when timber harvest and vegetation management activities occur after November 15 and before April 1 (between October 15 and May 1 for Tahoe/Truckee).

Category 5 Monitoring:



⁴ Field work for fall implementation monitoring must be completed by November 15.

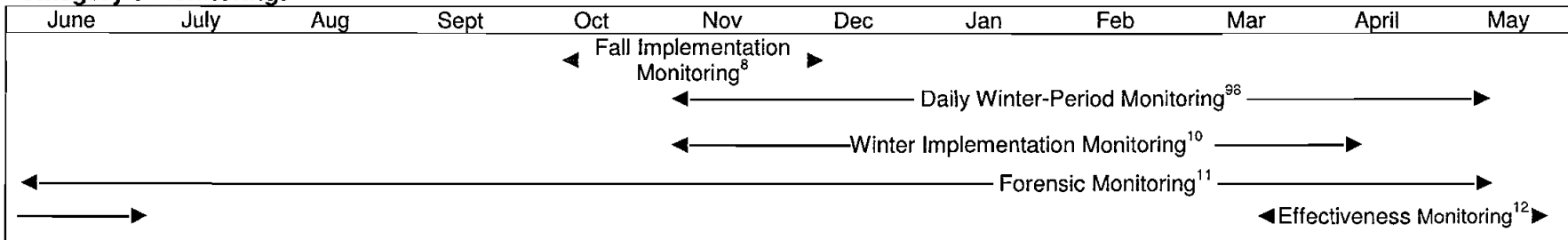
⁵ Winter implementation monitoring is required only when timber harvest and vegetation management activities occur after November 15 and before April 1 (between October 15 and May 1 for Tahoe/Truckee).

⁶ Forensic monitoring may occur at any time of the year after a significant rain or snow-melt event.

⁷ Effectiveness monitoring should be conducted at, or near, the end of the spring runoff, preferably between March 15 and June 15.

Note: Forensic and effectiveness monitoring is only required if one or more of the 8 conditions listed on page 2 of Attachment F exist within the activity area.

Category 6 Monitoring:



⁸ Field work for fall implementation monitoring must be completed by November 15.

⁹ Daily winter-period monitoring required only on days of equipment operation between November 15 and April 15 (between October 15 and May 1 for Tahoe/Truckee).

¹⁰ Winter implementation monitoring is required only when timber harvest and vegetation management activities occur after November 15 and before April 1 (after October 15 and before May 1 for Tahoe/Truckee).

¹¹ Forensic monitoring may occur at any time of the year after a significant rain or snow-melt event.

¹² Effectiveness monitoring should be conducted at, or near, the end of the spring runoff, preferably between March 15 and June 15.

Note: Forensic and effectiveness monitoring is only required if one or more of the 8 conditions listed on page 5 of Attachment K exist within the activity area.

Attachment Q
California Regional Water Quality Control Board
Lahontan Region

Design Features for Pile Burning within Waterbody Buffer Zones
(Examples)

- Maintain a 25 foot buffer (no piling or burning) from water courses
- Allow fire to creep between piles and into these buffers, maintaining flame lengths of less than 2 ft in height except where sensitive plant occurrences, fens, and the noxious weeds whitetop and cheatgrass are present.
- Place piles in a non-linear pattern in each unit where possible.
- The maximum pile size shall not exceed 10 feet diameter by 5 feet height.
- No more than 30% of any SEZ acre may be occupied with piles.
- No more than 15% of any SEZ acre may be burned each year.
- Maximize the distance between piles to the extent feasible, maintaining approximately 20 feet average spacing between piles.
- After initial ignition of piles, but while still burning, allow each pile to be re-piled once (i.e., place large unburned pieces back into the burning pile). Additional re-piling will be allowed if necessary to achieve 80% consumption of the piled material.
- When piles are adjacent to aspen trees, re-piling during pile burning shall be restricted to one time per pile and hot piling (i.e. don't feed one pile with the material from other piles or ground material) is prohibited.