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July 13, 2021

**Board of Forestry and Fire Protection**

**Meadows, Wet Areas, and Cutover Land Amendments, 2021**

**Title 14 of the California Code of Regulations**

**Division 1.5, Chapter 4,**

**§895.1. Definitions**

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“Functional Wildlife Habitat” means vegetative structure and composition which function to provide essential characteristics for wildlife feeding, reproduction, cover and movement between habitats. The habitat components must be in sufficient quantities and arrangement to support the diverse assemblage of wildlife species that are normally found on or use forestlands within that area. Within this definition the following terms mean:

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Structure: Refers to the physical arrangement of and relationships between living and non-living terrestrial and aquatic components within the forest stand including, age, size, height and spacing of live vegetation in the forest in addition to seeps, spawning gravels, pools, springs, snags, logs, den trees, ~~m~~Meadows, canopy coverage, levels of canopies and other physical features necessary to allow species to function.

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~~For the Northern Forest District:~~

~~“Meadows and Wet areas” means those areas which are moist on the surface throughout most of the year and/or support aquatic vegetation, grasses and forbs as their principal vegetative cover.(Reference: § 4562.7, Public Resources Code.)~~

~~For the Southern Forest District:~~

“Meadows ~~and Wet Areas~~” means those areas which ~~are moist on the surface throughout most of the year and/or support~~ ~~aquatic vegetation,~~ have grasses and forbs as their principal vegetative cover.

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“Riparian” means the banks and other adjacent terrestrial environs of lakes, Watercourses, estuaries, and W~~w~~et A~~a~~reas, where transported surface and subsurface freshwaters provide soil moisture to support mesic vegetation.

**OPTION #1**

“Wet Areas” means those natural areas which are moist on the surface throughout most of the year and support aquatic vegetation, grasses and forbs as their principal vegetative cover.

**OPTION #2**

“Wet Areas” means those areas where, under normal circumstances,

(a) the area has continuous or recurrent saturation of the upper substrate caused by groundwater, shallow surface water, or both;

(b) the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and

(c) the area’s vegetation is dominated by hydrophytes or the area lacks vegetation.

**OPTION #3**

“Wet Areas” means those areas:

(a) Which are saturated within the top 20 inches of the substrate for at least two weeks of the growing season by groundwater, shallow surface water, or both; and

(b) Where the duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate, and;

(c) Which either lacks vegetation or vegetation is dominated by hydrophytes.

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~~“Wet Meadows and Other Wet Areas” mean those natural areas except cutover Timberland which are moist on the surface throughout most of the year and support aquatic vegetation, grasses and forbs as their principal vegetative cover.~~

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**§ 906. Forest Districts.**

To meet the requirements of Chapter 8, Article 3 (commencing with Section 4531), Public Resources Code, and to designate areas for appropriate special forest practice Rules, the nonfederally-owned commercial forest areas of the state are divided into three Districts which are designated as Coast Forest District, Northern Forest District, and Southern Forest District. Each District is comprised of Timberlands ~~and cutover lands~~ within the boundaries as set forth in this article.

Note: Authority cited: Section 4551, Public Resources Code. Reference: Section 4531, Public Resources Code.

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**912.7, 932.7, 952.7 Resource Conservation Standards for Minimum Stocking**

The following resource conservation standards constitute minimum acceptable stocking in the Coast [Northern, Southern] Forest District after Timber Operations have been completed.

(a) Rock outcroppings, ~~m~~Meadows, W~~w~~et A~~a~~reas, or other areas not normally bearing commercial species shall not be considered as requiring stocking and are exempt from such provisions.

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**§ 912.9, 932.9, 952.9 Cumulative Impacts Assessment Checklist.**

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A. Watershed Resources

Cumulative watershed Effects (CWEs) occur within and near bodies of water or ~~Wet Meadows~~ ~~or Other~~ W~~w~~et A~~a~~reas, where individual Impacts are combined to produce an effect that is greater than any of the individual Impacts acting alone. Factors to consider in the evaluation of CWEs include those listed below. The factors described are general and may not be appropriate for all situations. In some cases, measurements may be required for evaluation of the potential for significant adverse Effects. The evaluation of Impacts to watershed resources is based on significant adverse on-site and off-site Cumulative Impacts on Beneficial Uses. Additionally, the Plan must comply with the quantitative or narrative water quality objectives set forth in an applicable Water Quality Control Plan.

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**§** **913.4, 933.4, 953.4 Special Prescriptions.**

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(e) Aspen, ~~m~~Meadow , or~~and~~ W~~w~~et A~~a~~reas restoration. All trees within aspen stands (defined as a location with the presence of living aspen (Populus tremuloides ), ~~m~~Meadows, or~~and~~ W~~w~~et A~~a~~reas may be harvested or otherwise treated in order to restore, retain, or enhance these areas for ecological or range values. A primary goal of aspen restoration Projects is the successful regeneration of aspen and recruitment into larger size classes. Projects using this prescription shall be designed to balance the protection and regeneration of aspen stands, ~~m~~Meadows, or~~and~~ W~~w~~et A~~a~~reas habitats in California's forest ecosystems with the other goals of forest management as specified in 14 CCR § 897 and meet the following requirements:

(1) The RPF shall state in the Plan each Project type(s) that is being proposed (aspen, ~~m~~Meadow~~,~~ ~~and/~~orW~~w~~et A~~a~~reas restoration).

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(4) The RPF shall describe the condition of aspen stands, ~~m~~Meadows, or~~and~~ W~~w~~et A~~a~~reas in the Project area.

(A) For aspen stands, the condition description shall include, but is not limited to, the determination of whether the aspen stands are upland aspen stands mixed with conifer, Meadow stands, or Riparian/ Wet Area ~~wet meadow~~ aspen stands; spatial extent, Species composition, and stand structure (including Overstory/Understory coverage) of the Project area; and the relationship of the Project area to other known aspen stands in the Planning Watershed or biological assessment area.

(B) For ~~m~~Meadows, or~~and~~ W~~w~~et A~~a~~reas, the condition description shall include spatial extent, Species composition, and stand structure (including Overstory/Understory coverage) of the Project area; relevant Watercourse condition factors stated in Board Technical Rule Addendum #2; and other factors indicative of ~~m~~Meadow or W~~w~~et A~~a~~reas geomorphic and hydrological functions.

(5) The RPF shall state the Project goals and the measures of success for the proposed aspen, ~~m~~Meadow, or W~~w~~et A~~a~~rea restoration Project. For purposes of this subsection, measures of success means criteria related to a physical condition that can be measured using conventional forestry equipment or readily available technology to indicate the level of accomplishment of the Project goals.

(A) Aspen, ~~m~~Meadow, or W~~w~~et A~~a~~rea Project goals and measures of success shall be based on the condition assessment required in 14 CCR §§ 913.4, 933.4, and 953.4, subsection (e)(4), and identification of problematic aspen, ~~m~~Meadow, ~~or~~and W~~w~~et A~~a~~rea conditions and their agents/causes. Information shall include a description of factors that may be putting aspen stands, or ~~m~~Meadow~~, or~~and W~~w~~et A~~a~~reas at risk, and presence of any unique physical conditions. Projects shall be designed to contribute to rectifying factors that are limiting restoration, to the extent Feasible.

(6) For Projects of twenty (20) acres or less in size, the RPF has the option to not include the requirements of 14 CCR §§ 913.4, 933.4, and 953.4, subsections (e)(4) and (5) if the RPF consults with CDFW prior to Plan submittal and, if Meadows and W~~w~~et A~~a~~reas are proposed, the RPF shall also consult with the appropriate RWQCB in those locations where the applicable basin Plan identifies W~~w~~et A~~a~~reas as a Beneficial Use. The results of the consultation(s) shall be included in the Plan.

(7) The Department shall review post-harvest field conditions of the portions of Plans using the aspen, ~~m~~Meadow, or ~~and~~ W~~w~~et A~~a~~reas restoration silvicultural prescription and prepare a monitoring report every five (5) years for the Board. The monitoring report shall summarize information on use of the prescription including:

(i) the level of achievement of the measures of success as stated in the Plan per 14 CCR §§ 913.4, 933.4, and 953.4, subsection (e)(5);

(ii) any post harvest adverse environmental impacts resulting from use of the prescription;

(iii) any regulatory compliance issues, and;

(iv) any other significant findings resulting from the review. The review shall include photo point records.

(8) Exemptions from other FPRs:

(A) Silvicultural standards for opening size, adjacency requirements, or conifer Stocking Standards in 14 CCR §§ 913.1-913.3, 933.1-933.3, and 953.1-953.3]; 14 CCR §§ 913.6, 933.6, and 953.6; and 14 CCR §§ 913.8 do not apply to use of this prescription.

(B) Minimum Resource Conservation Standards in 14 CCR §§ 912.7, 932.7, and 952.7 do not apply to use of this prescription.

(C) For purposes of this prescription, Timberland productivity and MSP requirements as stated in 14 CCR §§ 913.10, 933.10, and 953.10; and 14 CCR §§ 913.11, 933.11, and 953.11 are compatible with implementing actions that contribute to attaining the measures of success approved by the Department for this prescription.

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**§** **916.3, 936.3, 956.3 General Limitations Near Watercourses, Lakes, Marshes, Meadows and ~~Other~~** Wet Areas**.**

The quality and Beneficial Uses of water shall not be unreasonably degraded by Timber Operations. During Timber Operations, the Timber Operator shall not place, discharge, or dispose of or deposit in such a manner as to permit to pass into the water of this state, any substances or materials, including, but not limited to, soil, silt, bark, Slash, sawdust, or petroleum, in quantities deleterious to fish, wildlife, or the quality and Beneficial Uses of water. All provisions of this article shall be applied in a manner which complies with this standard.

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(c) The Timber Operator shall not construct or use Tractor Roads in Class I, II, III or IV Watercourses, in the WLPZ, marshes, ~~wet meadows, and other~~ W~~w~~et A~~a~~reas unless explained and justified in the Plan by the RPF, and approved by the Director, except as follows:

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**§ 921.4, 961.4 Stocking Requirements [Coast, Southern, STA]**

The stocking standards for understocked Timberlands and substantially damaged Timberlands as provided for by 14 CCR 1080 through 1081.1 and 1085 through 1085.6 are not applicable in Coastal Commission Special Treatment Areas in the Coast [Southern] Forest District. After completion of Timber Operations one of the following stocking standards must be met:

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Site classification shall be determined by the RPF who prepared the plan. Rock outcroppings, ~~m~~Meadows, W~~w~~et A~~a~~reas, or other areas not normally bearing timber shall not be considered as requiring stocking and are exempt from such provisions.

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**§ 921.6 Hazard Reduction [Coast, Special Treatment Area]**

(c) Snags: All snags within the WLPZ and within 100 feet (30.48 m) of ~~m~~Meadow edges shall be left standing with the following exceptions:

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**§ 923.1, 943.1, 963.1 Planning for Logging Roads and Landings. [All Districts]**

Logging Roads and Landings shall be planned and located within the context of a systematic layout pattern that considers 14 CCR § 923(b), uses existing Logging Roads and Landings where feasible and appropriate, and provides access for fire and resource protection activities.

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(a)(3) Construction and reconstruction near Watercourses, lakes, marshes, ~~wet meadows,~~ and ~~other~~ W~~w~~et A~~a~~reas.

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(b) No Logging Roads or Landings shall be planned for construction (i) within 150 feet of the Class I Watercourse transition line, (ii) within 100 feet of the Class II Watercourse Transition Line on slopes greater than 30%, (iii) within Class I, II, III, or IV Watercourses or lakes, (iv) within a WLPZ, or (v) in marshes, ~~wet meadows~~ ~~and other~~ W~~w~~et A~~a~~reas, except as follows:

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(c) No Logging Roads or Landings shall be planned for reconstruction (i) within Class I, II, III, or IV Watercourses or lakes, (ii) within a WLPZ, or (iii) in marshes~~, wet meadows, and other~~ W~~w~~et A~~a~~reas, except as follows:

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**§ 923.3, 943.3, 963.3**

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(b) No Logging Roads or Landings shall be constructed

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(iii) within Class I, II, III, or IV Watercourses or lakes, (iv) within a WLPZ, or (v) in marshes, ~~wet~~ ~~m~~Meadows, and ~~other~~ W~~w~~et A~~a~~reas, except as follows:

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**§ 923.4, 943.4, 963.4. Construction and Reconstruction of Logging Roads and Landings.**

Logging Roads and Landings shall be constructed or Reconstructed in accordance with the approved Plan and the following requirements. If a change in designation of Logging Road classification is made after the Plan is approved, the change shall be reported in accordance with 14 CCR §§ 1039, 1040, 1090.14, 1092.26, 1092.27, 1094.23 or 1094.24 as appropriate.

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(c) No Logging Roads or Landings shall be Reconstructed (i) within Class I, II, III, or IV Watercourses or lakes, (ii) within a WLPZ, or (iii) in marshes, ~~wet~~ ~~meadows,~~ ~~and other~~ W~~w~~et A~~a~~reas, except as follows:

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**§ 923.9.1, 943.9.1, 963.9.1. Licensed Timber Operator Responsibility for Roads and Landings [All Districts].**

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II. Road Drainage, Energy Dissipation, Outsloping and Rolling Dips

A. Location of Drainage Facilities and Structures In addition to drainage structures and facilities being located:

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(2) at a sufficient interval (spacing) to avoid volume concentrations and associated erosion, as discussed above, there are additional factors that should be considered prior to placing drainage structures and facilities in the field. To assist in identifying sites best suited for a drainage structure or facility, the following criteria should be considered. These criteria should be evaluated and appropriately weighted based on site-specific conditions, so that the effectiveness of the drainage structure or facility is maximized and potential problems are avoided or minimized. RPFs should maintain or restore natural drainage patterns as much as possible, while considering the factors listed below. Drainage structures and facilities should be placed:

* To drain localized or emergent groundwater, springs, and W~~w~~et A~~a~~reas present in the road prism.

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**§ 927.10 Stocking Requirements [Marin County]**

The stocking standards for understocked Timberlands and substantially damaged Timberlands as provided for by 14 CCR 1080 through 1081.1 and 1085 through 1085.6 are not applicable in the County. After completion of Timber Operations one of the following stocking standards must be met:

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Redwood root crown sprouts will be counted using the average stump diameter 1 ft. above average ground level of the original stump from which the redwood root crown sprouts originate, counting one sprout for each 1 ft. of stump diameter to a maximum of six per stump. Site classification shall be determined by the forester (RPF) who prepared the plan. Rock outcroppings, ~~m~~Meadows, W~~w~~et A~~a~~reas, or other areas not normally bearing timber shall not be considered as requiring stocking and are exempt from such provisions.

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**§ 927.12 Hazard Reduction [Marin County]**

**\*\*\***

(b) Snags: All snags within the WLPZ and within 100 ft. of ~~m~~Meadow edges shall be left standing with the following exceptions:

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**§ 953.7 Riparian Vegetation [Southern]**

All noncommercial Riparian vegetation found along Streams and lakes and within ~~m~~Meadows and W~~w~~et A~~a~~reas shall be retained and protected insofar as practical.

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**§ 953.12. High Use Subdistrict.**

In the “High Use Subdistrict,” the selection Regeneration Method, or sanitation-salvage or commercial thinning treatments may be used. An RPF may propose a modification of the selection Regeneration Method or sanitation-salvage Intermediate Treatments when explained and justified in the Plan. (See 14 CCR § 953 for Alternative Prescriptions.) In these areas, no trees shall be cut unless first marked on both the bole and stump with either paint, tags or blazes so as to be plainly visible. Such Marking shall be done by an RPF or Supervised Designee sufficiently in advance of cutting to allow for inspection by the Director's representatives. In these areas, the leave stand will be at least 50% of the number of trees 12 in. or larger dbh standing prior to the time of harvesting. These leave trees should be in Dunning's tree Classes 1, 2, or 3 (Ref. 14 CCR § 952 def. Dunning's Classification). The composition and distribution of the leave stand shall be maintained as nearly as practical, giving consideration to the aesthetics of the areas. ~~Only sanitation-salvage treatment shall be allowed in the cutover areas for 10 years following the harvest.~~

Note: Authority cited: Sections 4551, 4561 and 4561.1, Public Resources Code. Reference: Sections 4561, 4586 and 4588, Public Resources Code.

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**§ 1027.1. Basis of Denial.**

The Director may deny issuance of any License either upon original application or upon application for renewal for any of the reasons set forth in PRC § 4573. In addition, the Director may deny any application for renewal until any violations of the Rules and regulations of the Board and provisions of the Forest Practice Act by the applicant as exist on the date of submission of the renewal application, of which the applicant has been notified and given reasonable opportunity to correct, are corrected on such reasonable terms and conditions as the Director may require~~, including planting of reasonable numbers of seedlings and young growth trees to restock cutover lands~~.

Note: Authority cited: Sections 4551 and 4572, Public Resources Code. Reference: Sections 4573, 4574 and 4577, Public Resources Code

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**§ 1034. Contents of Plan.**

The Plan shall serve two functions: to provide information the Director needs to determine whether the proposed Timber Operation conforms to the Rules of the Board; and to provide information and direction to Timber Operators so that they comply with the Rules of the Board. For the Plan to serve these functions, it shall, as a minimum, contain the following information:

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(x)(4)(B) Roads and Landings located in Watercourses, Lakes, WLPZs, marshes,~~and Wet~~ ~~Meadows, and Other~~ W~~w~~et A~~a~~reas~~,~~ other than at road Watercourse crossings.

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(x)(16) Location of any in lieu use of heavy equipment and location of tractor roads in Watercourses, lakes, WLPZs, marshes~~,~~ ~~Wet Meadows and Other~~ W~~w~~et A~~a~~reas.

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(cc) Explanation and justification for use of Watercourses, marshes~~,~~ ~~Wet Meadows and Other~~ W~~w~~et A~~a~~reas as tractor roads.

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**1038.4. Mapping Standards for the Forest Fire Prevention Exemption**

An exemption pursuant to this 14 CCR § 1038.4 will be mapped on a USGS 7 ½ minute quadrangle map, or equivalent topographic maps, and shall contain all required information stated within this section. Additional maps, which may be topographic or planimetric, may be used to provide the information required in this section, to show specific details, and to improve map clarity. Appurtenant Roads may be shown on a separate map which may be planimetric with a scale as small as one-half inch equals one mile. Color coding may not be used. A legend shall be included indicating the meaning of symbols used.

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(c)(2) Roads and Landings located in Watercourses, Lakes, WLPZs, marshes~~,Wet Meadows~~, ~~and Other~~ Wet Areas, other than at road Watercourse crossings.

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**1051 Modified THP**

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(9) No heavy equipment operations shall occur within a Watercourse or lake protection zone, ~~meadows,~~ or W~~w~~et A~~a~~reas, except as follows:

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**1051.4. Modified THP for Fuel Hazard Reduction Conditions and Mitigations.**

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(a)(9)(A) No tractor operations shall occur within a Class II WLPZ, or ~~meadows,~~and ~~or~~ W~~w~~et A~~a~~reas, except where the Director determines that the threat of catastrophic wildfire is sufficient to justify the necessity of operations, or for maintenance of existing roads, drainage facilities or structures. Where the Director has made such a determination, operations may only occur where the Erosion Hazard Rating (EHR) pursuant to 14 CCR §§ 912.5, 932.5, and 952.5 is Moderate or less and slopes are no greater than 30%,

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**§ 1072.4. Exclusions.**

Roads and Landings that will not be regenerated, ~~m~~Meadows, W~~w~~et A~~a~~reas, rocky areas, and areas not normally bearing timber shall not be used as plot centers for sampling purposes. Stream protection zones may be excluded from the sample where Stocking cannot be achieved due to legal restrictions on regenerating the zone and it is explained in the Stocking report. Notwithstanding the provisions of 14 CCR § 1072.2, a random right/left offset from the plot center may be used. Alternatively, the plot may be treated as an unstocked plot for purposes of determining acceptable Stocking. The reason for the offset shall be stated in the Stocking report.

Offsets shall be in one-half chain (33 feet) (10.06 m) intervals at a right angle to the plot line with a maximum distance of 1.5 chains (99 feet) (30.19 m) allowed. The direction and distance of the offset, if any, shall be noted on the plot sheet.

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**§ 1090.5 Contents of NTMP**

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(o) A description of potential Impacts and protections for the quality and beneficial uses of waters within Watercourses, Lakes, ~~Wet Meadows~~ and ~~Other~~ W~~w~~et A~~a~~reas.

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(w)(4)(B) Roads and Landings located in Watercourses, lakes, WLPZs, marshes~~,~~and ~~wet~~ ~~meadows~~, ~~or other~~ W~~w~~et A~~a~~reas, other than at road watercourse crossings.

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(bb) Explanation and justification for use of Watercourse, marshes~~,~~ ~~wet~~ ~~meadows, and other~~ W~~w~~et A~~a~~reas as Landings, roads, or skid trails.

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**§ 1092.09 PTHP Contents**

The purpose of the PTHP is to provide guidance for implementation of the standards and protective measures in the certified PTEIR. For the PTHP to serve these functions it shall contain the following:

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(l)(5)(A)2. Roads and Landings located in Watercourses, lakes, WLPZs, marshes, ~~wet~~ ~~meadows,~~ and ~~other~~ W~~w~~et A~~a~~reas, other than at road Watercourse crossings.

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**§ 1094.6 Contents of WFMP**

The WFMP shall serve three functions: 1) to provide information the Director needs to determine whether the proposed WFMP conforms to the Board Rules; 2) to provide information and direction for timber management so it complies with the Board Rules and the management objectives of the landowner(s); and 3) to disclose the potential effects of timber management to the public. For the WFMP to serve these functions, it shall, at a minimum, contain the following information:

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(e)(4) (B) Roads and Landings located in Watercourses, Lakes, WLPZs, ~~Wet Meadows, or~~ ~~Other~~and W~~w~~et A~~a~~reas, other than at road Watercourse crossings.

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(e)(18) Location of any in lieu use of heavy equipment and location of tractor roads in Watercourses, lakes, WLPZs, marshes~~,~~ ~~wet~~ ~~meadows~~ and ~~other~~ W~~w~~et A~~a~~reas, except where the WFMP has a standard operating practice(s) pursuant to 14 CCR § 1094.6 (jj).

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(cc) Explanation and justification for use of Landings, Logging Roads and skid trails in the protection zones of Watercourses, Lakes, ~~Wet Meadows, or~~ ~~Other~~ and W~~w~~et A~~a~~reas.

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(ii) A description of Lakes,  ~~Wet Meadows, or~~ ~~Other~~ and W~~w~~et A~~a~~reas.

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**§ 1094.8 Working Forest Harvest Notice Content**

The Working Forest Harvest Notice shall be a public record. The Department shall post the Working Forest Harvest Notice on the Department’s Internet Website. All necessary deviations shall be approved by the Director, pursuant to 14 CCR §§ 1094.23 and 1094.24, prior to submission of a Working Forest Harvest Notice. The Working Forest Harvest Notice shall include all of the following information:

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(s) A description of Lakes,  ~~Wet Meadows, or~~ ~~Other~~ and W~~w~~et A~~a~~reas.

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(u)(4)(B) Roads and Landings located in Watercourses, Lakes, WLPZs, ~~Wet Meadows, or~~ ~~Other~~ and W~~w~~et A~~a~~reas, other than at road Watercourse crossings.

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(u) (9) Location of Lakes and Watercourse(s) with Class I, II, III or IV waters; and ~~Wet Meadows~~ and ~~Other~~ W~~w~~et A~~a~~reasincluding when operations are proposed pursuant to 14 CCR § 916.3(c).