**ITEM #14 - SILVICULTURE**

| * If more than one method or treatment is proposed, identify boundaries on a map per 14 CCR §1034(x)(2). * List the approximate acreage for each proposed silviculture identified below. [ref. 14 CCR § 1034(m) & PRC § 4582(d)] | | | |
| --- | --- | --- | --- |
| **a.** | **Evenaged** | **Acres** | **Evenaged Regeneration Methods**  **(14 CCR § 913.1 [933.1, 953.1])**  **NOTE: variation by District in (a)(4)(A) and (d)(3) Shelterwood Removal Step** |
| [] | Clearcutting |  |
| [] | Seed Tree Seed Step |  |
| [] | Seed Tree Removal Step |  |
| [] | Shelterwood Preparatory Step |  |
| [] | Shelterwood Seed Step |  |
| [] | Shelterwood Removal Step |  |
|  | **Un-evenaged** |  | **Unevenaged Regeneration Methods**  **(14 CCR § 913.2 [933.2, 953.2])**  **NOTE: variation by District in (a)(2)(A)(1)** |
| [] | Selection |  |
| [] | Group Selection |  |
| [] | Transition |  |
|  | **Intermediate Treatments** |  | **Intermediate Treatments**  **(14 CCR §** **913.3 [933.3, 953.3])** |
| [] | Commercial Thinning |  |
| [] | Sanitation Salvage |  |
|  | **Alternative** |  | **Alternative Prescriptions**  **(14 CCR §** **913.6 [933.6, 953.6])**  Complete element form at the end of Item 14. |
| [] | Alternative Prescription |  |
|  | **Special Prescriptions** |  | **Special Prescriptions**  **(14 CCR §** **913.4 [933.4, 953.4])**  If Aspen, Meadow, & Wet Area Restoration or Oak Woodland Management is proposed. Complete the corresponding element form provided at the end of Item 14. |
| [] | Special Treatment Area Prescription |  |
| [] | Rehabilitation of Understocked Area Prescription |  |
| [] | Fuel Break / Defensible Space |  |
| [] | Variable Retention |  |
| [] | Aspen, Meadow, & Wet Area Restoration |  |
| [] | White and Black Oak Woodland Management |  |
| [] | Special Harvesting Methods for Southern Subdistrict of the Coast District |  | Describe as (1), (2), or (3) in SECTION II in accordance with 14 CCR § 913.8. |
|  | **Non-Regeneration** |  | **Non-Regeneration Harvesting**  Please describe any timber operations that may occur within No Harvest areas in SECTION II. |
| [] | Timberland Conversion |  |
| [] | Road Right-of-way |  |
| [] | No Harvest |  |
| **Total Acreage:** | |  |

|  |
| --- |
| **If the Silviculture acreage is different than the acreage in the legal description provide an explanation:** |
| **If there are any Alternative Prescriptions per 14 CCR § 913.6 [933.6, 953.6] or Special Treatment Area Prescriptions per 14 CCR § 913.4 [933.4, 953.4](a) proposed, list the silvicultural method that is most nearly appropriate or feasible to: (include a detailed description and justification in SECTION III)** |
| **Provide all proposed post-harvest stocking levels. If Site Class varies, then state the post-harvest stocking standard to be met by each applicable Site Class.**  **NOTE: Location of boundaries of timber-site classes needed for the determination of stocking standards to be applied, down to 20-acres minimum or as specified in district rules shall be mapped per 14 CCR § 1034(x)(12).** |

| **b. Post-Harvest Stocking to be Met at the Completion of Operations**  [ref. 14 CCR §§ 913.2 [933.2, 953.2](a)(2) & 913.3 [933.3, 953.3](a)(1)] | | |
| --- | --- | --- |
| **Silvicultural Prescription** | **Site Class**  **(I, II, III, IV, V)** | **Post-harvest stocking standard** |
| a |  |  |
| A |  |  |
| A |  |  |

| **Evenaged regeneration size** | |
| --- | --- |
| **c.** []Yes []No | Will evenaged regeneration step units be larger than those specified in the rules?  **If “Yes” identify:**  20 acres tractor yarding  30 acres aerial or cable  **If “Yes” what is proposed?**  An increase to an evenaged tractor unit up to 30 acres where the Erosion Hazard Rating is low, and slopes are less than 30%.  An increase to an evenaged harvest unit up to 40 acres .  **If “Yes” provide substantial evidence,** **unless the increase in acreage is for tractor yarding units where EHR is low and slopes are <30%, that the THP contains measures to accomplish any one of the subsections per 14 CCR §** **913.1 [933.1, 953.1](a)(2)(A)-(E) In SECTION III.**  **Operational Instruction to the LTO needed to meet subsections (A)-(E) above shall be included in SECTION II.**  **NOTE: Oversized units should be designated on the THP map(s) by size.** |

| **Operational instructions to the LTO:** |
| --- |

|  |  |
| --- | --- |
| **Timber Marking** | |
| **d1.** []Yes []No | Is the RPF requesting a waiver of required marking?  **NOTE: A marking waiver is not an option for selection, transition, or variable retention [ref. 14 CCR §§ 913.2 [933.2, 953.2](a)(1) & (b)(4), & 913.4 [933.4, 953.4](d)(9)].** |
| **d2.** []Yes []No | Are there any sample areas marked? [ref. 14 CCR §§ 913.1 [933.1, 953.1](a)(5), & 913.2 [933.2, 953.2](a)(1), 913.3 [933.3, 953.3](a)(3) & (b)(3)], & 913.4 [933.4](d)(9) &(f)(4), & 913.6 [933.6, 953.6](d)]  **If “Yes” please describe:**  **NOTE: Ensure the sample marking is complete prior to the preharvest inspection.** |
| **Provide directions explaining how the LTO will determine what trees shall be harvested or retained:** | |
| **If more than one silvicultural method or group selection is used, provide instructions to the LTO identifying how boundaries of the different methods or groups have been identified:** | |

| **e. Forest Products to Be Harvested** [ref. 14 CCR § 1034(l)] | | | | | |
| --- | --- | --- | --- | --- | --- |
| [] | Saw Logs | [] | Poles | [] | Clean Chips |
| [] | Peeler Logs | [] | Split Wood Products | [] | Firewood |
| [] | Fuel Wood | [] | Fuel chips | [] | Other |
| [] | Burl Wood |  |  |  |  |

| **Group B Species Management** | |
| --- | --- |
| **f1.**[]Yes []No | Are group B species proposed for management? [ref. 14 CCR § 1034(l)] |
| **f2.**[]Yes []No | Are group B or non-indigenous A species to be used to meet stocking standards? [ref. 14 CCR § 912.7 [932.7, 952.7](d)] |
| **f3.**[]Yes []No | Will group B species need to be reduced to maintain relative site occupancy of group A species? [ref. 14 CCR § 912.7 [932.7, 952.7](d)] |
| **If any answer is “Yes” list the species, describe treatment, and provide LTO felling and slash treatment guidance. See table below** | |

| **Table for LTO Treatment Group B Species Management** | | | |
| --- | --- | --- | --- |
| **Species** | **Treatment Method** | **Felling Instruction** | **Slash Treatment Instructions** |
| A |  |  |  |
|  |  |  |  |
| a |  |  |  |
|  |  |  |  |

| **g. LTO Felling Instructions** |
| --- |
|  |

| **Regeneration** [ref. 14 CCR § 913.5 [933.5, 953.5]] | |
| --- | --- |
| **h.** []Yes []No | Will artificial regeneration be required to meet stocking standards?  **If “Yes” an annual preliminary report of stocking shall be due between October 1st and December 31st, beginning two years following completion of operations.**  **If “Yes” describe:** |

| **Site Preparation** | |
| --- | --- |
| **Site Preparation per 14 CCR §** **895.1 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.** | |
| **i** []Yes []No | Will Site Preparation be used within the logging area? |
| **If “Yes” provide a site preparation plan per 14 CCR § 915.4 [935.4, 955.4](a)-(h) including the following:** | |
| 1. Whether Site Preparation will be required to meet stocking? Yes No | |
| 1. The general methods of Site Preparation to be used: | |
| 1. The types of equipment, if any, to be used for Mechanical Site Preparation and firebreak construction: | |
| 1. The methods for protecting any desirable residual trees in accordance with 14 § CCR 917.7 [937.7, 957.7]: | |
| 1. Explanations and justifications for any exceptions or alternatives to the standard Rules: | |
| 1. A map identifying the boundaries of Site Preparation areas, if different from logging area boundaries, and distinguishing areas by type of Site Preparation activity. | |
| 1. The name, address, and telephone number of the person responsible for conducting Site Preparation activities (shall be provided prior to conducting Site Preparation activities):   Name:  Address:  Telephone Number: | |
| 1. The estimated timing of Site Preparation operations: | |

| **Regeneration Plan (rehabilitation of understocked areas or variable retention)** | |
| --- | --- |
| **j.** []Yes []No | Is a regeneration plan needed per 14 CCR §913.4 [933.4, 953.4](b) or (d)?  **If “Yes” provide a detailed description for the Review Team to evaluate how the proposed management prescription shall aid in restoring and enhancing the productivity of commercial timberland.**  The regeneration plan shall include but not be limited to:   * Rehabilitation of understocked areas: site preparation, method of regeneration, and other information needed to evaluate the proposal by the Review Team. * Variable Retention: Trees and elements retained, objectives intended to be achieved by retention, distribution, and quantity of retained trees, intended time period of retention, and potential future conditions or events the RPF believes would allow harvest of retained trees. |

| Regeneration plan: |
| --- |

|  |  |
| --- | --- |
| **Species-Specific Plan** | |
| **k.** []Yes []No  []N/A | Will trees of each native commercial species where present at the time of harvest be retained after harvest? [ref 14 CCR §§ 913.1[933,953](c)(1)(F), 913.1[933, 953](d)(2)(F), and 913.2[933.2, 953.2](d)]  **If “No” provide a species-specific plan, which protects existing regeneration or provides for regeneration in lieu of retaining trees.**  **NOTE: Only required for Unevenaged management, Seed Tree and Shelterwood regeneration methods.** |

**NOTE: When selecting Alternative Prescription (ITEM CC); Aspen, Meadow, Wet Area Restoration (ITEM DD); or White and Black Oak Woodland Management (ITEM EE), certain elements are required to be addressed per the forest practice rules. Complete and include the corresponding worksheets below. If Alternative Prescription; Aspen, Meadow, Wet Area Restoration; or White and Black Oak Woodland Management, are not being proposed then these pages may be removed.**

**ITEM CC**

| **If the Alternative Prescription is proposed, the RPF shall provide the following information [ref. 14 CCR § 913.6(b)(1)-(6)]** | |
| --- | --- |
| **Pre- Harvest Stand Description** | |
| **C1.** Closest standard silvicultural prescription [ref. 1414 CCR § 913.6(b)(3)]: | |
| **C2.** Description of stand before timber operations [ref. 14 CCR § 913.6(b)(1)(A)-(C)]: | |
| (Current species composition) | |
| (Current stocking expressed in Basal Area or combination Basal Area and Point count) | |
| (Estimate of Basal Area to be removed) | |
| **C3.** Stand management constraints [ref. 14 CCR § 913.6(b)(2)]: | |
| **C4.** Why is the closest Silvicultural Prescription not feasible or appropriate [ref. 1414 CCR § 913.6(b)(3)]? | |
| **C5.** How alternative prescription will differ in securing regeneration, aesthetics, protection of soil, water quality, wildlife habitat, and insect and disease protection [ref. 14 CCR § 913.6(b)(4)]: | |
| **Post-Harvest Stand Description [ref. 14 CCR § 913.6(b)(5)]** | |
| **C6.** Description of the stand after completion of timber operations: | |
| (Management Objective) | |
| (Desired species composition) | |
| (Estimation of remaining stocking after harvest expressed as Basal Area or a combination of Basal Area and/or Point Count) | |
| **C7.** Method of designating trees to be harvested or retained [ref. 14 CCR § 913.6(b)(6)(A)-(B)]: | |
| (Type of field designation to be followed - entire area mark, sample mark, professional/designee supervision of fallers, or other methods) | |
| **C8.** Site preparation method (If applicable) [ref. 14 CCR § 913.6(b)(6)(C)]: | |
| **C9.** Regeneration method and timetable to be used for restocking (if applicable) [ref. 14 CCR § 913.6(b)(6)(C)]: | |
| **C10.** []Yes []No | Will the alternative prescription have the same on the ground effect of a clearcut?  [ref. 14 CCR § 913.6[933.6, 953.6](c)] |

**ITEM DD**

| **If Aspen, Meadow, & Wet Area Restoration is proposed then the RPF shall provide the following Information [ref. 14 CCR § 913.4 [933.4, 953.4]((e)(1)-(8)].** | |
| --- | --- |
| Project type: (select all that apply)  **D1.**  [] Aspen \_\_\_\_\_\_\_AC  **D2.** [] Meadow \_\_\_\_\_\_\_AC  **D3.**  [] Wet Area \_\_\_\_\_\_\_AC  If more than one is selected give a brief explanation indicating the acreage for each of the restoration areas and describe if these acreages are overlapping:  **NOTE: Each project type shall be shown on the plan map, consistent with 14 CCR §** **1034(x), at a scale that shows the location of planned operations.** | |
| **D4.** Describe the extent of harvesting or treatment: | |
| **D5.** Describe the types of harvesting or treatments: | |
| **NOTE: Per 14 CCR § 913.4 [933.4, 953.4](e)(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, 953.4](e)(4)-(5) if the RPF consults with CDFW prior to plan submittal and, if wet areas are proposed, the RPF shall also consult with the appropriate RWQCB in those locations where the applicable basin plan identifies wet areas as a beneficial use. The results of the consultation(s) shall be included in the Plan.** | |
| **D6.** []Yes []No | Will the restoration area be 20 acres or less?  **If “Yes” then the RPF has the option to not include requirements of 14 CCR §** **913.4 [933.4, 953.4](e)(4)-(5). The RPF instead can include consultation results from CDFW and RWQCB if wet areas are listed as a beneficial use in the basin plan.** |
| **D7.** []Yes []No | Has a consultation been completed with CDFW?  **If “Yes” the results of the consultation must be included in the Plan.** |
| **D8.** []Yes []No | Does the Restoration area include a wet area where the applicable basin plan identifies wet areas as a beneficial use?  **If “Yes” consultation with the appropriate RWQCB must be included in the Plan.** |
| **NOTE: Per 14 CCR §** **913.4 [933.4, 953.4](e)(5)(A), the following shall be based on the condition assessment required in 14 CCR § 913.4 [933.4, 953.4](e)(4), and identification of problematic aspen, meadow or wet area conditions and their agents/causes. Information shall include a description of factors that may be putting aspen stands, meadow, or wet areas at risk, and the presence of any unique physical conditions. Projects shall be designed to contribute to rectifying factors that are limiting restoration, to the extent feasible.**  **Measure 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.** | |
| **D9.** Project Goals: | |
| **D10.** Measures of Success: | |

**ITEM EE**

|  |  |  |
| --- | --- | --- |
| **If White and Black Oak Woodland Management is proposed then the RPF shall provide the following information per 14 CCR § 913.4 [933.4, 953.4](f)** | | |
| **E1.** []Yes []No | | Does the average preharvest stand meet or exceed an average of 35 square feet of basal area per acre?[ref. 14 CCR § 913.4 [933.4, 953.4](f)(1)]  **If “No” then the prescription may not be used.**  **If “Yes” provide information per 14 CCR § 913.4 [933.4, 953.4](f)(2)(A)-(C) below.** |
| **Pre-harvest stand composition of all represented species: (estimate by species)** | | |
| **E2.** [] | California black oak stand type | |
|  | * Average preharvest basal area by species: | |
| * Pre-harvest stand composition: | |
| * Diameter distribution by species: | |
| **E3.** [] | Oregon white oak stand type | |
|  | * Average preharvest basal area by species: | |
| * Pre-harvest stand composition: | |
| * Diameter distribution by species: | |
| **E4.** Description of natural and known anthropogenic factors conducive to historic and sustained occupancy:(climate, soil, light, aspect, fire regime, management practices, or other factors) | | |
| **E5.** Description of known trends in changing composition occurring over time and the factors likely contributing to this trend: | | |
| **Post-harvest stand condition by species** | | |
| **E6.** [] | California black oak [ref. 14 CCR § 913.4(f)(3)] | |
|  | * Basal Area: | |
| * Desired stand composition: | |
| * Diameter Distribution: | |
| * General Description: | |
| **E7.** [] | Oregon white oak [ref. 14 CCR § 913.4(f)(3)] | |
|  | * Basal Area: | |
| * Desired stand composition: | |
| * Diameter distribution: | |
| * General Description: | |
| **E8.** Describe what trees are to be harvested [ref. 14 CCR § 913.4(f)(4)]: | | |
| **E9.** How will residual oak trees be protected during timber operations? | | |
| **E10.** []Yes []No | | Will marking be completed to identify harvest trees?  **If “No” describe how trees to be harvested will be identified.** |
| **If marking will be used [ref. 14 CCR § 913.4(f)(4)]:** | | |
| **E11.** Marking completed by: [] RPF [] Supervised Designee [] Both | | |
| **E12.** Trees marked: [] harvest trees [] leave trees [] Both | | |
| **E13.** Area marked: [] Entire area [] Sample area [] 10% of area [] 10 acres per stand type | | |
| **E14.** How will boundaries of the Oak Woodland management area be identified? [ref. 14 CCR § 913.4 [933.4, 953.4](f)(5)].  **NOTE: Boundaries shall be identified prior to the preharvest inspection and shall be identified on the ground under the supervision of an RPF.** | | |
| **E15.** []Yes []No | | Will deformed or decadent trees of value to wildlife be harvested? [ref. 14 CCR § 913.4(f)(6)]  **If “Yes” provide the explanation and justification in SECTION III.**  **NOTE: Decadent and Deformed trees of value to wildlife shall be retained unless they pose a safety hazard. Provide an explanation and justification explaining why removal is necessary to facilitate timber operations or the objectives of the harvest or special prescription.** |