

APPENDIX 1

DETAILED GOALS AND OBJECTIVES FOR ALTERNATIVE G¹

These Goals and Objectives are based upon legislative statutes, regulations, Board of Forestry and Fire Protection policies, and the direction provide by the Director of the Department of Forestry and Fire Protection and by the Board of Forestry and Fire Protection.

Goal #1 - RESEARCH AND DEMONSTRATION: Improve the amount and quality of information concerning economic forest ~~management~~ and timber management, forest ecosystem processes, watershed processes, performance of forest protection measures, that is available to the general public, ~~small~~ forest landowners, resource professionals, timber operators, ~~and~~ the timber industry, and researchers.

Objectives:

Maintain a diverse, dynamic matrix of forest habitats and seral stages to provide a broad range of forest conditions available for research and demonstration.

Make the State Forest available to educational institutions and other agencies for conducting research and demonstration projects.

Conduct resource management demonstrations and investigations directed to the needs of the general public, small forest landowners, resource professionals, timber operators, and the timber industry.

Design a range of demonstrations and comparisons to serve a broad set of clients such as conservation-oriented, restoration-oriented, small landowner, and intensive production approaches to forest management.

Increase the use of JDSF for research that tests and demonstrates the short-term and long-term costs and effectiveness of various forest resource protection measures.

Develop demonstration areas incorporating a wide range of forest management approaches within a compact, easily accessible area.

As a demonstration project, complete certification of JDSF management under the umbrellas of the Forest Stewardship Council and the Sustainable Forestry Initiative.

Conduct monitoring of resource management activities to gauge their effectiveness in meeting project objectives.

¹ Note that underline and ~~strikethrough~~ formatting, plus parenthetical [] notes, are used to show the changes that Alternative G makes to the Goals and Objectives that were established for Alternative C1 (2005 DFMP).

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Demonstrate the compatibilities and conflicts involved in multiple use of forest land, and investigate methods to mitigate conflicts.

Ensure that knowledge gained is also shared by disseminating information obtained through research and demonstration to the general public, forest landowners (especially small owners), resource professionals, and timber operators.

Establish a Forest Education Center at Jackson Demonstration State Forest to support and facilitate forest management research and learning activities.

Accelerate the expansion of knowledge about redwood forests by seeking increased funding to support research and demonstration projects.

Consult and cooperate with universities and colleges, the U. S. Forest Service, other public and private researchers, and private forest conservation organizations in conducting research and demonstration projects. Enter into cooperative agreements for investigations of mutual interest.

Goal #2 – [Goal # 4 in May 2002 DFMP] FOREST RESTORATION: Work towards achieving a balanced mix of forest structures and attributes in order to enhance active restoration by managing the Forest to promote and enhance forest health and productivity.

Objectives:

Increase the amount of older forest structure and late seral forest available for terrestrial wildlife, including areas adjacent to aquatic habitats.

Improve habitat connectivity and reduce forest fragmentation, including the concepts of corridors and contiguous habitat.

Use a range of management techniques to compare natural and accelerated forest restoration approaches while maintaining high canopy cover across the Older Forest Structure Zone (OFSZ) and other areas designated for development of late seral forest characteristics.

Cooperate with other agencies and private conservation organizations interested in forest restoration on research into approaches to increase the pace at which older forest structure characteristics can be developed through active management.

Focus on restoring more productive river and stream systems from the low gradient floodplains to intermittent streams in the upper reaches to improve the habitat conditions and populations of salmonids, other fish species, amphibians, and other plants and animals dependent on riparian ecosystems.

Work with neighboring landowners, including State Parks and the Conservation Fund, to explore opportunities for multiple-landowner, landscape-level approaches to forest restoration, including the protection and enhancement of watershed and ecological processes.

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Restore conifer forests where early successional hardwoods or invasive plants have become established at densities far above those typical of the mature conifer forests dominated by redwoods, Douglas-fir, Grand fir, and hemlock.

~~Restore and decommission roads to minimize WLPZ and unstable roads.~~

~~Minimize sediment production from roads.~~

~~Increase the amount of late seral forest.~~

Add large woody debris to streams and enhance overall habitat conditions for salmonids.

Add Increase forest structural elements in stands (snags, large trees, large diameter limbs, cavities, flat tops).

Minimize the influence of exotic plants and animals.

~~Cultivate conifer stands capable of producing high quality sawtimber, on the east end of the Forest.~~

Goal #3 - WATERSHED AND ECOLOGICAL PROCESSES: Promote and maintain the health, sustainability, ecological processes, and biological diversity of the forest and watersheds during the conduct of all land management activities.

Objectives:

Maintain a diverse, dynamic matrix of forest habitats and seral stages suitable for a wide variety of native fish and wildlife populations. Manage designated old growth reserves for maintenance of late seral habitat values.

Maintain and recruit structural elements necessary for properly functioning habitats. In riparian areas, manage for late seral habitats, while allowing for flexibility to conduct research on riparian protection zones. Create or naturally develop recovery habitat for listed species.

Work with partners to conduct research and demonstration on the effectiveness of measures to protect watershed and ecological processes from potential management impacts.

Determine which native species, in addition to listed species, are most susceptible to adverse impacts from land management activities and which therefore warrant extra concern.

Provide protection to listed species, to species of concern, and to their occupied habitats. Avoid disturbance to uncommon plant communities such as meadows and pygmy forest.

Utilize forestry practices that will maintain stability of hillslope areas and control sedimentation caused by accelerated mass wasting and surface erosion.

Monitor the development and condition of terrestrial and aquatic habitats over time, and apply adaptive management principles to ensure that goals are met.

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Implement a comprehensive road management plan to reduce sediment production, including upgrading roads remaining in the permanent transportation network and properly abandoning high risk riparian roads where possible.

Goal #4 – [Goal #2 in May 2002 DFMP] TIMBER MANAGEMENT: Manage the forest on the sustained yield principle, defined as management which will achieve continuous high yields of timber production that contribute to local employment and tax revenue, consistent with environmental constraints related to watershed, wildlife, fisheries, and aesthetic and recreational enjoyment and constraints related to providing a diverse, dynamic matrix of forest habitats and seral stages for researchers

Objectives:

Manage forest stands to produce sustained yields of high quality timber products and public trust resources. Maintain flexibility in forest management in order to provide a comprehensive demonstration, education and research program.

Include a sustainable regulated growing stock as a feature of the State Forest's desired future condition. Establish stand-level rotation ages and cutting cycles to meet sustained yield objectives. Based on management goals and constraints, determine a forest-level allowable annual cut that will lead towards achievement of the desired future conditions. Project the short-term, site-specific harvest schedule at least 5 years into the future, and the long-term schedule at least 100 years.

Implement state-of-the-art forest management practices to increase total wood production and improve timber quality, designed and carried out for maximum applicability and demonstration value for private lands.

Contribute to the vitality and stability of the economy of the North Coast of California by conducting regular periodic timber sales.

Goal #5 - RECREATION AND AESTHETIC ENJOYMENT: Plan for and provide enhanced levels of low impact recreational opportunities that are compatible with forest management objectives and healthy ecological processes, ~~and~~ that are consistent with historic recreational use characteristics, and that allow for engagement of recreation user groups.

Objectives:

Base the development of future recreation programs and facilities on a plan that assesses needs, opportunities and available resources.

Maintain campgrounds, picnic areas, trails and other recreational facilities in a safe, healthy and attractive condition.

Continue to utilize a style of recreational improvement that is generally low impact and rustic in nature. Develop campground and day use areas so that they are concentrated in identified recreation corridors.

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Extend existing trails to create a more extensive trail system, including linkages with neighboring State Parks.

Demonstrate that recreation and timber management are compatible land uses is compatible with demonstration and timber management land uses, as well as many research activities, through the integration of recreational development and use with ~~timber harvest~~ these other activities. Utilize this opportunity to explain forest research and management to the recreating public. Include appropriate mitigations in harvest plans that may impact recreation and aesthetic values.

During timber management activities conducted adjacent to residential areas, consider and mitigate the project's effects on the casual and informal recreational uses of the State Forest by the Forest's neighbors.

In cooperation with the California Department of Parks and Recreation, establish forest management demonstration areas compatible with recreation for educational purposes adjacent to the Mendocino Woodlands Outdoor Center and the Pygmy Forest Reserve.

Engage various recreation user groups interested in cooperating in the design, implementation, and stewardship of a more extensive recreational facilities system.

Goal #6 – INFORMATION, & PLANNING, AND STAFFING: Develop, maintain, and update management plans and other planning documents and processes ~~and keep them current~~. Manage and support the information needs and staffing needs of all State Forest programs. Communicate with the public regarding management of the Forest.

Objectives:

Collect, process, interpret, analyze, update, store, index, and make retrievable the array of information and data about the State Forest and its resources needed to support Forest planning and management and to provide baseline information to researchers.

Prepare, monitor and update State Forest Management Plans and program area plans.

Initiate an adaptive management process for all phases of State Forest planning and plan implementation. Monitor forest operations and make modifications as necessary to achieve management goals.

Utilize State budgetary processes to seek increased funding and staffing to provide the Forest with the resources needed to restart full operations and to achieve Management Plan goals.

Provide regular information to the local community regarding educational and recreational opportunities on the Forest, as well as research, demonstration, and management activities in general.

Provide opportunities for public and other agency input into planning processes, including any advisory groups that CAL FIRE or the Board may establish.

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Provide periodic reports to local government entities.

Goal #7 - PROTECTION: Protect the forest from damage and preserve the peace within.

Objectives:

Preserve native plant species and limit the invasion and spread of exotics. Protect native communities from insect, disease, and plant pests using the concept of integrated pest management.

Include fire hazard and risk assessment in forest planning. Manage forest fuels to reduce the incidence and severity of wildfire. Incorporate a fire protection and pre-attack plan into the State Forest management plan.

Maintain a physical presence in the forest to enforce forest and fire laws. Make regular contact with forest users to ensure understanding of and compliance with regulations and use limitations. Use public contact as an opportunity to deliver forest management education messages.

Inventory and protect historic and pre-historic archaeological resources. Identify and prioritize archeological sites that are susceptible to disturbance and schedule data collection prior to planned activities.

Goal #8 - MINOR FOREST PRODUCTS: Maintain a program that provides an opportunity for the public and small businesses to purchase minor forest products.

Objectives:

Continue to make both personal-use and commercial firewood available following timber harvesting operations.

Restrict the utilization of forest products where potential environmental effects are unacceptable, such as cutting of green redwood burls, manufacture of split products from desirable large woody debris, and salvage of windthrow from riparian areas.

Increase opportunities for small-volume sales.

Consider a system for contracting logging and selling delivered logs.

Goal #9 - PROPERTY CONFIGURATION: Improve the boundary layout of the State Forest to facilitate management logistics and increase ~~research~~ demonstration and ~~demonstration~~ research opportunities.

Objectives:

Consider making boundary line adjustments through cooperation with neighboring timberland owners to configure state forest boundaries to ridgelines and watershed boundaries.

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Seek to reduce private in-holdings through purchase or exchange.

Investigate opportunities to purchase additional forest land to add to the State Forest, particularly where it completes ownership of a planning watershed, creates new or adds control over important road access, or provides new opportunities for research and demonstration projects.

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