

W. M. Beaty & Associates, Inc.

SUMMARY OF SOCIAL IMPACTS

for

Red River Forests



July 2022

1.0 Introduction

Social impacts (effects and consequences) refer to changes to individuals and communities due to actions that alter the way in which people live, work, play, relate to one another, organize, etc. These changes can be intentional or unintentional. They can be positive or negative. This summary of social impacts is an assessment of the management activities since approximately the year 2000 when Red River Forests was initially certified. The summary includes potential social impacts that have occurred as a result of management activities that have been implemented.

The social impacts of the management activities include consideration of people affected, potential impacts, actions taken, and monitoring. The evaluations of social impacts are based on the scale and intensity of the forest operation.

The summarized information is based on the many informal discussions W. M. Beaty & Associates, Inc. staff have had with the public, adjacent landowners, agencies, and interested parties as well as formal information requests as required by the California Forest Practice Rules. The W. M. Beaty & Associates, Inc., Public Comment Log includes comments received since 2002.

2.0 People Affected

During the course of management, people have been consulted and discussions have occurred with various people (both men and women) including local ethnic groups and minorities, and all other stakeholders directly affected by management operations who may be directly affected by the forest operations.

The people or groups who may be directly impacted by operations on the forests include:

- Adjacent landowners
- Biomass purchasers and co-generation plants
- Forest labor contractors
- Fuel suppliers
- Herbicide suppliers
- Licensed timber operators
- Local communities
- Mechanics and repair shops
- Parts suppliers
- Recreational vehicle parks
- Recreationalists that have traditionally had access to the forest (e.g. firewood cutting, fishing, hunting, sightseeing, swimming, collecting, for spiritual or religious use, access route, etc.)
- Road contractors
- Timber purchasers and sawmills
- Tire dealers
- Truck drivers
- Water users that rely on water supplies which originate in the forest or are captured by the forest
- W. M. Beaty & Associates, Inc. employees
- Others who may be affected by management operations

The social criteria such as poor working conditions, and if and how these people and groups may be affected (i.e. working standards have increased over time) were considered in the assessment of social impacts.

W. M. Beaty & Associates, Inc. is an integral part of the rural communities in northeastern California. In addition to the main office in Redding, a field office is located in Susanville. The field office is always open (when personnel are available) to concerned citizens who stop in to discuss a natural resource concern.

Affected communities include Adin, Alturas, Bieber, Burney, Canby, Canyon Dam, Chester, Clear Lake, Dana, Day, Fall River Mills, Glenburn, Greenville, Hat Creek, Johnson Park, Lookout, McArthur, Montgomery Creek, Manton, Nubieber, Oak Run, Old Station, Palo Cedro, Pittville, Pondosa, Redding, Round Mountain, Merrillville, Shasta Lake, Shingletown, Susanville, Tionesta, Weaverville, Westwood, and Whitmore.

Staff members reside, shop, and raise their families in the rural communities near the timberlands. In many instances employees have lived and worked in these areas for twenty years or more. These communities depend on not only an economic benefit from these lands, but also clean air and water, wildlife, recreational opportunities, and a visually appealing landscape.

Employees are encouraged to take active roles in local watershed councils, resource conservation districts, fire safe councils, and other civic organizations. W. M. Beaty & Associates, Inc. has a long standing tradition of supporting churches, Future Farmers of America, 4H, local schools, YMCA, youth sports, volunteer fire companies, and other charitable organizations.

Red River Forests, W. M. Beaty & Associates, Inc., and W. M. Beaty & Associates, Inc. employees provide financial contributions and are members of various local community entities including:

- Big League Dreams
- Boy Scouts of America
- Fort Crook Historical Society
- Girl Scouts of America
- Intermountain Cattlewomen
- Intermountain Heritage Foundation
- McArthur Volunteer Fire Department
- Riverview Golf Club
- Shingletown Volunteer Fire Department
- Small Wonders Preschool
- Soldier Mountain Volunteer Fire Company
- Spring Rivers Foundation
- The Fly Shop
- Youth sports
- Wayside Garden Club
- Westwood Historical Society

W. M. Beaty & Associates, Inc. personnel are involved in many professional affiliations and associations which include:

- Association of Consulting Foresters
- California Association of Pest Control Advisors
- California Forest Pest Council

- California Licensed Foresters Association
- California State Board of Forestry and Fire Protection
- Day/Lassen Bench Fire Safe Council
- Fall River Resource Conservation District
- Forest Institute for Teachers
- Forest Landowners of California
- Forest Vegetation Management Conference
- Forestry Challenge
- Honey Lake Valley Resource Conservation District
- Humboldt State University Forestry Advisory Committee
- Lassen County Fire Safe Council
- Lassen Land and Trails
- Mountain Meadows Conservancy
- Northern California Society of American Foresters
- Northern California Log Scaling and Grading Bureau
- North Sierra Tree Improvement Association
- Pacific Forest Trust
- Pacific SW Research Station USFS – Redding Silviculture Laboratory
- Pit River Resource Conservation District
- Range Management Advisory Committee
- Shasta College Forestry and Natural Resources Advisory Committee
- Shasta County Fire Safe Council
- Sierra Cascade Intensive Forest Management Research Cooperative
- Sierra-Cascade Logging Conference
- Sierra Nevada Conservancy
- South Cow Ditch Association
- The Forest Foundation
- The Wildlife Society
- Turtle Bay Museum
- USDA Natural Resources Conservation Service
- West Coast Regional Carbon Sequestration Partnership (WESTCARB)
- Western Shasta Resource Conservation District

3.0 Potential Impacts

The social impacts of the W. M. Beaty & Associates, Inc. management activities on the forests include potential effects on:

- Adjacent Landowners
- Aesthetics
- Archaeological sites
- Community goals & economic opportunities
- Land use & access (hunting, fishing, gathering, grazing, & collecting)
- Public participation
- Public resources (air, noise, water, & wildlife)
- Professional and community organizations

3.1 Adjacent Landowners

Landowners located adjacent to the forests are provided with increasingly fire resistant landscapes. This type of forest condition is a substantial benefit to adjacent landowners both large industrial and small homeowners. The fuel reduction on the forest adjacent to private residences has enabled at least one homeowner to maintain his homeowners insurance that otherwise may have been terminated. Positive comments have been provided by adjacent landowners thus far.

W. M. Beaty & Associates, Inc. has facilitated the establishment and maintenance of various fuel reduction activities to provide fire protection to adjacent landowners and communities. Examples of such projects include:

- Bateman Road Fuelbreak
- Whitmore Road Fuelbreak
- Ponderosa Way Fuelbreak
- Shingletown Ridge Fuelbreak
- Middle Bench Fuelbreak
- East Jimmerson Fuelbreak
- Day Ridge Fuelbreak
- HH Line Fuelbreak
- Diamond Mountain Initiative
- Clear Creek Fuelbreak
- Dyer Mountain Mastication
- Sweagart Biomass
- Scarface Biomass
- Whitmore Fuel Reduction
- Widow Valley Biomass
- South Eagle Lake Fuel Reduction
- Jimmerson Fuel Reduction

W. M. Beaty & Associates, Inc. has facilitated the reforestation and maintenance of post wildfire plantations to re-establish forests for the future. Examples of such projects include:

Project	Acres
Antelope Fire	6
Bell Fire	238
Big John Fire	202
Bison Fire	147
Board Burn	310
Cheney Fire	8
Cheney Creek Fire	54
Chips Fire	1,293
Cooks Fire	179
Corral Fire	1,847
Creek Fire	221
Dana Fire	145
Day Fire (1991)	1,330
Day Fire (2014)	5,860
Devil Fire	2,056

Dixie Fire	442
Eagle Lake Fire	2,000
Fern Fire	243
Highline Fire	285
Hilton Fire	37
Humbug Fire	61
Hog Fire	160
Lake Fire	99
Long Fire	660
Longbell Fire	555
Moonlight Fire	13,858
Morelli Fire	643
Mud Fire	297
Ponderosa Fire	263
Pondosa Fire	141
Saddle Mtn. Fire (Lakey)	58
Sanctuary Fire	53
Sheep Fire	2,608
Slate Mtn. Fire	110
Storrie Fire	3,503
Strike Fire	321
Timber Mountain Fire	98
Twin Fire	973
Whitmore Fire (1978)	3,000
Whitmore Fire (2003)	1,006
Widow Fire	38
Widow Fire (Fir)	65
Willard Fire	7
Willard Fire (2016)	1,728
Withrow Fire	19
Total	47,227

3.2 Aesthetics

The social impact regarding the aesthetics of forest management on the forests is presumed to be positive. Dialogues with affected people generally commend the management style of W. M. Beaty & Associates, Inc. and reflect an appreciation for the fully functioning forest appearance that is not riddled with forest openings. Public comments convey an appreciation of the well-spaced stands with open understory and reduced fuel hazard.

3.3 Archaeological Sites

Archeological sites are protected according to the California Forest Practice Rules and as such; should not result in an adverse social impact. Letters requesting information on Native American or cultural sites are mailed to local Native American groups as part of Confidential Archaeological Addendum for each timber harvesting plan. Additionally, notification is mailed to local Native American groups of known pre-historic archaeological sites and the protection measures to be implemented. Very few responses have been generated through this process, and these are documented in the W. M. Beaty & Associates, Inc., Public Comment Log. Occasionally this information request process has initiated

additional communication with Native Americans regarding the location and protection of archaeological resources. There have not been any identifiable social impacts associated with archaeological sites.

Sites of cultural, historical, and community significance (on and off the forests) have resulted in positive social impacts. One example of this is the in-kind participation and donation of materials from W. M. Beaty & Associates, Inc. to the restoration of the relocated historic Round Barn from Little Valley to the Fort Crook Museum. Logs for rafters were purchased from Red River Forests and Lassen Forest by W. M. Beaty & Associates, Inc. and donated to the Fort Crook Museum. The original rafters for the Round Barn were provided by the Walkers from their land in the Dana area and it was fitting to use logs from the same vicinity and original land ownership. This donation enabled the Round Barn restoration to be completed in an authentic and cost effective manner.

3.4 Community Goals & Economic Opportunities

Community goals for forest and natural resource use and protection such as employment, subsistence, recreation, and health have been positive. The forest lands provide substantial direct and indirect employment opportunities in the local area. The fuel reduction efforts that have occurred on the forest have greatly reduced the risk of uncontrolled catastrophic wildfire and subsequent health related issues from smoke inhalation impacts.

The employment opportunities provided as a result of the forestland management help the associated rural communities survive. These employment opportunities provide a living wage for families choosing to reside in the rural communities of northern California. The community access to the forest lands for recreation is a tremendously appreciated benefit in the communities that rely on hunting activities and associated revenue. Forest product management, harvesting, and processing are some of the few opportunities to create jobs locally.

Management of the forests provide substantial benefit to communities on the tax revenues from jobs generated (management, logging, mills, support industries, etc.) from the operations along with the yield taxes paid by the timber owners when they harvest that support local, state, and federal budgets that support communities. Steady primary jobs (i.e. money comes in from outside the community to pay for resources/products produced in the local area) are very important to local communities for family stability, schools, health care, low crime, etc.

The associated sustained yield plan demonstrates that this social benefit is scheduled to continue increasing over time since the volume harvested will go up every decade along with associated jobs, tax revenue, etc. that support community health. Provided that Federal and State policies do not force the multi-generational Walker family out of the timber business, management of the forests over the next 100 years as planned in the associated sustained yield plan (SYP) should produce the following:

- Several billion board feet of logs for wood products (enough wood to build several hundred thousand houses) that would generate millions of dollars in yield taxes for 5 counties.
- Several million tons of wood fuel chips that generate renewable energy from log and wood manufacturing waste and also from thinning overstocked small trees that promotes forest health and reduces fire hazards.
- Several thousands of jobs resulting in several billion dollars in payroll that would support regional economic and social vitality and generate hundreds of millions of dollars in local, state, and federal tax revenues.
- The net sequestration of more than several million tons of CO₂.

- Almost double the current standing inventory with larger average tree size that can sustain higher harvest levels, higher quality native forest wildlife habitat, and more fire resilient natural forests.

3.5 Land Use & Access

Social impacts to land use and access including air, water, and food (hunting, fishing, grazing, and collecting) have generally been positive. This is due to the benefits and contribution to these resources that result from professionally managed forests. Members of the public have revealed that they are appreciative of the protection of the resources. The public continues to have access to the forests for the activities they are accustomed to and value. Many of these resource values have been enhanced and maintained through the management of W. M. Beaty & Associates, Inc.

Publicly perceived negative social impacts result from limited access and use policies such as the No Firewood Cutting Policy and restricted access during times of high fire danger. While the policies are viewed negatively by some, most members of the public understand and appreciate the need for these policies in order to protect the forests they enjoy.

The road system on the forests is generally open to the public for access and use of many public resources. Allowing the public to use the lands for multiple uses as they have done for generations has created a positive social impact. This includes a respect for and appreciation of a professionally managed forest and the opportunity to access the forests for a variety of uses. However, the limited use of road closures using gates has proven unpopular with some individuals and does have a minor effect of local people's traditional access to the forest being restricted.

There are currently no traditional areas of mushroom or fruit collection on the forests that would require protection during timber harvesting to allow collectors access.

3.6 Public Participation

The Indicators in this Criterion address the need to include meaningful public participation in forest management. Public involvement is required in all forests under FSC-certification, including both the provision of public involvement opportunities as well as the provision of adequate information and communication. Depending on the nature of the issue, consultation may be required prior to an activity taking place or on a regularly-scheduled ongoing basis (e.g., annual meetings).

Public participation in management activities is provided through the W. M. Beaty & Associates, Inc. website which describes management philosophies and lists contact information for public inquiries and comments. The California Forest Practice Rules provide ample opportunity for public participation and comment during SYP and timber harvesting plan (THP) review through the California Department of Forestry and Fire Protection. Based on the very few public comments generated during SYP and THP review it is interpreted that public participation is not a priority of the community regarding operations on the forests.

3.7 Public Resources

Public resources are managed during forest operations to reduce the risk of adverse impact to air, noise, water, and wildlife (game and non-game) and associated public beneficial uses. Social impacts resulting from adverse effects to public resources are minimized through compliance with the:

- California Forest Practice Rules
- Forest Stewardship Council Standards
- Grazing Policy

- Invasive Species Policy
- Master Streambed Alteration Agreement
- Northern Spotted Owl Resource Plan
- Road System Management Plan
- Structural Retention Policy
- Sustained Yield Plan
- Timber Harvest Activities Waiver Program
- Vegetation Management Policy & Pesticide Use Guidelines

Additionally, specific measures are implemented as needed such as ensuring trucks transporting forest products near communities minimize use of exhaust brakes and obey posted speed limits. Continued sound forest management practices reduce fuel loading, fire hazard, and associated impacts to public resources. The social impact from forest management is positive.

4.0 Actions Taken

Actions have and will continue to be taken to minimize any adverse social impacts and perpetuate positive social impacts. The results of monitoring efforts and evaluation of social impacts are discussed by W. M. Beaty & Associates, Inc. managers and incorporated into practical changes to the management plans and policies. The W. M. Beaty & Associates, Inc. donation plans, policies, and sustained yield plans are revised as necessary to respond to changing environmental, social, and economic conditions and in response to adverse impacts detected.

5.0 Monitoring

Monitoring of social impacts is conducted, appropriate to the scale and intensity of forest management, to assess the condition of the forest, yields of forest products, chain of custody, management activities, and their social and environmental impacts. This monitoring is used as a way to see what effects, both positive and negative, the activities of the forest management are having.

Social impacts are evaluated periodically using simple monitoring of social issues. One means of documenting social impacts is with the W. M. Beaty & Associates, Inc. Public Comment Log. The social impacts of W. M. Beaty & Associates, Inc. management activities are often discussed informally at professional and social events.

6.0 Summary

The general message from the affected people is that the W. M. Beaty & Associates, Inc. management style chosen by Red River Forests has proven to be appreciated and beneficial to the affected businesses, communities, and people.