

Appendix C. National Forest Management Act (NFMA) Checklist

This appendix lists the monitoring elements required by the NFMA to be addressed in National Forest Monitoring and Evaluation Reports. The list includes the page in Chapter II of this report where each item is reported.

Issue A. Ecosystem Condition, Health and Sustainability

Sub-Issue 1. Biological Diversity

a. Determine if the regeneration of desired tree species are being achieved (36 CFR 219.27 (b)(6)).

Regeneration of Desired Tree Species – page 3

b. Determine if the vegetation is being managed according to the Plan's requirements and making progress toward achievement of the DFCs for vegetation (36 CFR 219.15 and 219.27).

Ten Year Age Classes – page 5
Prescribed Burning – page 7

c. Determine if the desired diversity of plant and animal communities is being achieved (36 CFR 219.26, 219.27 (a)(5) & (g)).

Diversity of Plant and Animal Communities - page 10

d. Determine if the habitat for the Management Indicator Species is being maintained and improved to the degree consistent with the objectives established in the Forest Plan (36 CFR 219.27 (a) (6)).

Habitat for Management Indicator Species – page 10

e. Monitor the population trends of the Management Indicator Species, and their relationships to habitat changes (36 CFR 219.27 (a)(6)).

Population Trends of Management Indicators - page 11

f. Determine the progress towards recovery objectives for T&E species. (36 CFR 219.19 (a)(7)).

Threatened, Endangered, and Sensitive Species – page 12

Sub-Issue 2. Forest and Range Health

a. Identify measures needed to coordinate emissions from NFS lands with other sources to ensure air quality control and compliance with the applicable Federal, State, and/or local standards or regulations (36 CFR 219.27 (a)(12)).

General Forest Air Quality – page 12

b. Ensure that air quality standards are maintained on FS Class I and II lands (36 CFR 219.27 (a)(12)).

Class I and Class II Lands Air Quality – page 13

c. Determine if insects, disease, and noxious weeds have increased to damaging levels (36 CFR 219.12 (k)(5)(iv) and 219.20 (b)).

Pine Beetles - page 14

Non-Native Invasive Plants – page 15

Sub-Issue 3. Watershed Conditions

a. Determine if the conservation of soil and water resources are being ensure and the permanent impairment of site productivity is being avoided (36 CFR 219.27 (b)(5)).

Soil and Water Conservation – page 17

b. Determine if the desired water quality and quantity objectives are being achieved (36 CFR 219.27 (b) (6)).

Water Quality – page 20

c. Ensure compliance with State water quality requirements, monitor the effect and adequacy of the BMPs (36 CFR 219.27 (a)(4), (b)(5), & (c)(6) and 219.12 (k) 2)).

Water Quality - page 20

d. Determine the effects of management actions on soil quality and site productivity (36 CFR 219.12 (k)(2) and 219.27 (a)(1), (b)(5)).

Soil and Water Conservation – page 17

e. Determine the effects of management actions on riparian values, soil and water quality, and streambank stability (36 CFR 219.27 (a) (4), (b) (6), (c) (6), & (e)).

Soil and Water Conservation – page 17
Water Quality – page 20

f. Determine if temporary roads are being revegetated within 10 years of contract or permit termination (36 CFR 219.27 (a) (11)).

Revegetation of Temporary Roads – page 20

Issue B. Sustainable Multiple Forest and Range Benefits

Sub-Issue 1. Outdoor Recreation Opportunities

a. Determine if the desired recreation uses, opportunities, and aesthetic values are being achieved (36 CFR 219.27 (b)(6), 219.21 (a)(2) & (3)).

Recreation Uses and Opportunities – page 21

b. Determine if the Forest Plan visual quality objectives are being met (36 CFR 219.27 (c)(6), (d)(1)).

Visual Quality Objectives – page 22

c. Monitor off-road vehicle use to determine if planned use levels and management requirements are sufficient to protect the land and other resources, promote public safety, and minimize conflicts with other uses of NFS lands (36 CFR 219.21 (g)).

Off-Road Vehicle Use – page 22

Sub-Issue 2. Infrastructure

a. Ensure that any roads constructed are designed according to standards appropriate to the planned uses (36 CFR 219.27 (a)(10), (b)(7)).

Road Construction, Reconstruction, and Maintenance – page 23

Sub-Issue 3. Human Influences

Although there are no NFMA requirements, this issue is discussed under Human Influences - page 20

Sub-Issue 4. Roadless Areas, Wilderness, Wild & Scenic Rivers

a. Ensure that visitor use in wilderness areas is within the estimated maximum level which allows natural processes to operate freely and not impair the values for which wilderness areas were established (36 CFR 219.18 (a)).

Roadless Area, Wilderness, Wild & Scenic Rivers – page 31

Sub-Issue 5. Timber

a. Determine if timber resource sale schedule is within the Forest Plan's ASQ (36 CFR 219.27 (c)(2)).

Timber Sale Allowable Sale Quantity – page 32

b. Determine if silvicultural practices are in compliance with the Forest Plan (36 CFR 219.27 (c) & (d)).

Silvicultural Practices – page 33

c. Determine if harvested lands are adequately restocked within 5 years (36 CFR 219.27 (c)(3)).

Restocking Harvested Lands – page 33

d. Determine if maximum harvest unit size limits are being met and should be continued (36 CFR 219.12 (k)(5)(iii), 219.27 (d)).

Maximum Harvested Acres – page 34

e. Ensure that no timber harvesting occurs on lands classified as not suited for timber production, except for salvage sales or sales necessary to protect other multiple-use values where the Forest Plan establishes that such actions are appropriate (36 CFR 219.27 (c) (1)).

Timber Harvesting on Land Not Classified as Suitable - page 35

f. Determine if lands identified as not suitable for timber production have become suitable (36 CFR 219.12 (k) (5) (iii), 219.14 (d), and 219.27 (c) (1)).

Classification of Lands Suitable for Timber Production – page 35

Sub-Issue 6. Forage

a. Determine if the desired forage production objectives are being achieved (36 CFR 219.27 (b) (6)).

Forage Production – page 36

Sub-Issue 7. Other Products

Although there are no NFMA requirements, this issue is discussed under Other Products – page 37

Sub-Issue 8. Heritage Resources

a. Ensure the protection of significant cultural resources from degradation and destruction (36 CFR 219.24 (a)(4)).

Heritage Resources – page 39

Issue C. Organizational Effectiveness

Sub-Issue 1. Economics

a. There needs to be a documentation of the costs associated with carrying out the planned management prescriptions, as compared with the costs estimated in the Forest Plan (36 CFR 219.12 (k)(3)).

Economics – page 41

Sub-Issue 2. Evaluating New Information

a. Identify emerging issues, concerns and opportunities that need to be addressed (36 CFR 219.7 (f)).

Emerging Issues, Concerns and Opportunities – page 42

b. Determine when changes in RPA, policies, or other direction would have significant effects of Forest Plans (36 CFR 219.10 (g)).

Changes in Resources Planning Act, Policies, or Other Direction – page 43

c. Determine if conditions or demands in the area covered by the Plan have changed significantly (36 CFR 219.10 (g)).

Significant Changes in Conditions or Demands - page 44

d. Evaluate the effects of National Forest management on lands, resources, and communities adjacent or near the National Forest; and the effects upon National Forest management of activities on nearby lands managed by other Federal, State, or local governmental agencies (36 CFR 219.7 (f)).

Effects of National Forest Management To and From Private Lands – page 52