

Summary of Recommended Actions

◆ 1991 - 2001 Monitoring Reports ◆

Umatilla National Forest

MI #	Monitoring Item (MI)	Recommended Actions by Year					Remarks
		Not Evaluated	Continue to monitor	Change Practice	Further Eval.	Amend Forest Plan	
1	Air Quality	1996	1991 1992 1993 1994 1995 1997 1998 1999 2000 2001				
2	Soil Productivity		1997 1998 1999 2000 2001	1991 1993	1992 1993 1994 1995 1996		1991: reoccurring tractor based operations indicate problems meeting standards 1993: expand soil impact monitoring 1996: effectiveness monitoring needed
3	Water Quantity	1997 1999 2000	2001	1998	1991 1992 1993 1994 1995 1996		
4	Water Quality	1997	2001	1994 1995 1996 1998 1999	1991 1992 1993 1994 1995 1996 2000		1994: water quality practices effectiveness not demonstrated 1998: baseline fire and timber sale monitoring shows potential problems 2000: monitored BMPs effective, more complete Forest-wide review needed

		Recommended Actions by Year					
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5	Stream Temperature	1997		1991 1992 1993 1994 1995 1996 1998 1999 2000	1991 1992 1993 1994 1995 1996 1999 2000 2001		1991: standards not met on some streams 1992: overutilization of riparian vegetation 1994: some streams frequently exceed standards 1996: State standards changed, additional streams exceed standards for longer periods 1997: problem meeting temp standards 2000: many streams not meeting temp standards 2001: most streams not meeting State temp standards
6	Stream Sedimentation	1996 1997 1999 2000	1998 2000		1991 1992 1993 1994 1995 1996		
7	Stream Channel Morphological Features	1997 1999 2000 2001	1998	1994 1995 1996	1991 1992 1993 1994 1995 1996		1992: information indicates degraded stream condition on south end of Forest 1994: large wood and pool level lacking, mostly on south end of Forest
8	Fire Effects – Wildfire on Water and Soils	2000 2001	1993 1998 1999	1996	1994 1995 1996 1997		1996: major fire on Forest, increased monitoring need 1997: evaluation of wildfire areas needed
9	Riparian Vegetation	1996 1997 1998 1999 2000 2001		1993 1994 1995	1993 1994 1995 1996		1993: riparian shrub impacts a concern

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10	Level of Utilization	2001		1991 1994 1995 1996 1997 1998 1999	1992 1993 1994 1995 1996 1999 2000		1991: not meeting riparian standards in some areas 1994: need method to assess hardwood utilization in riparian areas 1998: need to validate utilization standards in riparian areas
11	Range Condition and Trend	1996 1997 1998 1999 2000 2001		1991 1994 1995	1991 1992 1993 1994 1995 1996		1991: riparian conditions not satisfactory 1992: riparian areas still a problem
12	Noxious Weeds: Invasive Vegetation		1991 1997 1998 1999 2000 2001	1992 1993 1994	1995 1996		1992: need more assertive control program 1994: treatments show mixed results
13	Silvicultural Harvest Method			1994	1991 1992 1993 1994 1995 1996 2000 2001	1992 1996 1997 1998 1999 2000 2001	1992: change in harvest methods due to forest health and ecosystem mgt 1994: evaluate changes in methods from FP levels 1996: evaluate and adjust harvest methods 1998: evaluate and adjust harvest methods 2000: harvest at 21% of FP level 2001: no clearcut, mostly unevenage methods
14	Created Openings	1997 1998 1999	1993 1994 1995 1996 2000 2001		1991	1991 1992	1992: amend or changing forest health situation

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15	Stand Management - Regeneration		1991 1992 1993 1995 2000 2001	1996	1994 1996 1997 1998 1999		1996: low survival rates 1999: third year survival problems
16	Stand Management – Ponderosa Pine Regeneration	1997 1998 1999 2000 2001	1992 1993 1994	1995 1996	1991		1996: need process to track ponderosa pine natural regeneration
17	Stand Management – Thinning/Improvement		1991 1992 1993 1994 1995 1996 1997 1998 1999	2000 2001		2000 2001	1998: funding for thinning is inadequate 2000: FP projection underestimated need 2001: FP projection underestimated need, backlog accumulating
18	Fire Effects – Prescribed Fires - Plants		1991 1992 1993 1997 1998 1999	1994 1995 1996 2000 2001		2000 2001	1994: need veg monitoring protocol 1996: need to report prescribed burning effects 2000: more non-activity fuels treated than projected in FP 2001: all natural ignitions in wilderness suppressed
19	Vegetation Management	1996 1998	1993 1994 1995 1997 1999 2000 2001				

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20	TES Plant Species	2000 2001	1992 1993 1995 1996 1997 1998 1999	1994	1991 1994		1994: protection or mitigation likely needed to reduce potential impacts
21	Insect and Disease Control		1992 1993 1994 1995 1996 1997 1998 1999 2000 2001			1991	1991: amendment proposed for restoration and salvage of insect damaged forest
22	Anadromous and Resident Fisheries		1995 1996 1997 1999 2000	1994 1998	1991 1992 1993 2001	1991 1992	1991: continued decline in spawning trends 1992: complete PIG process and amend Plan 1994: complete habitat capability determinations 1996: declining population trends 2001: some declining populations
23	Elk/Deer Habitat and Estimated Populations			1993 1994 1995 1996 2000 2001	1991 1992 1993 1994 1995 1996 1997 1998 1999	1991 1992 2000 2001	1991: elk populations below mgt objective 1992: amend plan for salvage and restoration 1994: HEI may not be tied to population fluctuations 1996: application of elk vulnerability model needed 1998: populations below mgt objectives 2001: HEI no longer a useful tool to evaluate elk habitat

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24	Old Growth Tree Habitat	1997 1998 1999			1991 1992 1993 1994 1995 1996 2000 2001	1991 1992 1993 2001	1992: complete inventory of all old growth areas 1993: complete inventory and adjust FP based on results 2000: some declines in old forest historic level 2001: some declines in old forest historic level
25	Dead and/or Defective Tree Habitat		1998 2000 2001	1991 1992 1993 1996 1997	1993 1994 1995 1996 1997 1999	1992	1992: retain additional D&D to meet standards, need FP amendment 1994: high mortality on south half may lead to habitat shortages in 20 years 1996: need consistent post harvest monitoring
26	Pileated and Northern Three-Toed Woodpecker Population	1997 1998 1999 2000 2001	1991 1992 1993 1994 1995 1996				
27	Pine Martin	1996 1997 1998 1999 2000 2001	1991 1992 1993 1995	1994			1994: reduced level of surveys

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28	TES Wildlife and Fish Species		1991 1993 1994 1995 1996 1997 1998 1999 2000 2001			1992	1992: riparian area mgt area boundary adjustments needed
29	Plant and Animal Diversity	1998 1999 2000 2001	1991 1992 1993 1994 1995 1997	1996			1992: need to develop monitoring methods
30	Management Areas/Standards and Guidelines	1997 1998 2000 2001		1991	1993 1994 1995 1996	1992 1999	1991: begin using monitoring implementation checklist 1992: review need for minor FP amendment to address catastrophic insect damage 1999: revise Plan after ICBEMP completed
31	Primitive/Semi-Primitive Recreation and Roadless Areas	1997 1998 2000 2001	1991 1992 1993 1994 1995 1996 1999				
32	Off-Highway Vehicle Use	1997 1998 1999 2001	1992 1993 2000	1994 1995 1996	1991		1994: need formal monitoring 1996: need formal monitoring

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33	Developed Sites	1997 1999	1998 2001	1992 1993 1994 1995 1996	1993 1994 1995 1996	1991 2000	1991: funding below projection, maintenance below standard 1992: consistency needed in visitor use monitoring 1993: site damage occurring, need to improve campsites 1996: use levels at some sites suggest need for upgrade/expansion 2000: PAOTs at 405% of FP projection
34	Wild and Scenic Rivers	1997 1998 1999	1994 1995 1996 2000 2001				
35	Existing Visual Condition	1997 1998 1999 2000 2001		1993 1994 1995 1996	1992 1993	1991 1992	1991: activity schedule needs adjustment 1992: activity schedule still needs adjustment 1993: complete viewshed mgt plans 1996: monitoring remains a low priority
36	Non-conforming Uses	1997 1998 1999 2000	2001	1994 1995 1996	1991 1992 1993		1994: strengthen incident reporting 1996: strengthen incident reporting
37	Limit of Acceptable Change (LAC) and Amount of Primitive Wilderness Resource Spectrum (WRS)	1997 1998 1999 2000 2001		1992 1993 1994 1995 1996	1991 1993 1994 1995 1996		1992: LAC process not implemented 1994: no formal review conducted 1996: need to complete LAC process
38	Allotment Planning	2001	1998 1999	1994 1996	1997 2000	1991 1992 1993 1994 1995	1991: revise activity schedule 1994: revise activity schedule 1996: AMP schedule adjusted, slow development of AMPs 1997: only 1 AMP completed 2000: No AMPs completed

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39	Range Outputs	2001	1991 1992 1993 1994 1995 1996 1997 1998 1999 2000				
40	Range Improvement	2001	1991 1992 1993 1994 1995 1996 1997 1998 1999 2000				
41	Identification of Lands Suitable for Timber Management	1996 1997 1998 2000 2001	1994 1995 1999	1991	1991 1992 1993		
42	Timber – Yield Projection	1997 1998 1999 2000 2001			1991 1992 1993 1994 1995 1996		

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43	Timber Offered for Sale		1991		1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	1992 1993 1994 1995 1996 1997 1998 1999 2000 2001	1992: forest health and TE species effects on volume 1993: adjust Plan to reflect initiatives and legal requirements 1994: adjust Plan depending on ICBEMP process 1996: volume offered well below FP projection 1998: volume offered still well below FP projection 2000: TPSQ at 11% of FP level
44	Availability of Firewood		1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001				
45	Mineral Development and Rehabilitation (MDR) Accessibility		1991 1992 1993 1994 1995 1996 1997 1998 1999 2001		2000		2000: increasing demand for landscape material

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46	Forest Road System	2001	1991 1992 1993 1997 1998 1999 2000	1994 1995 1996			1994: information inconsistent year to year 1996: focus monitoring on addressing resource objectives
47	Open Road Density	1997 1999 2001	1992 1993 1994 1998 2000	1995 1996	1991		1991: evaluate implementation of ATM plans
48	Trails	1996 1997 1998 1999 2000 2001	1992 1993	1994 1995	1991		1991: evaluate implementation of ATM plans 1994: no formal monitoring
49	Fire – Program Effectiveness		1993 1994 1995 1997 1998 1999 2000 2001	1996	1991 1992 1996		
50	Cultural Properties/Sites	1997 1998 1999 2001	2000	1991 1992 1993 1994 1995 1996	1992		1992: initiate new monitoring plan 1994: lack of information and formal reviews 1996: reviews not done on all districts

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51	Effects of Forest Management Activities on SIA's	1996 1997 1998 1999 2000 2001	1991 1992 1993 1994 1995				
52	Research Natural Areas (RNAs)	1995 1996 1997 1998 1999 2000 2001	1991	1992 1993 1994			1992: need plans 1994: no formal monitoring
53	NEPA/NFMA	1995 2001	1994 1996 1999	1991 1992 1993 1997 1998	2000		1991: utilize checklist 1993: need t document reviews 1998: evaluate need for white paper on NEPA and a formal review process
54	Changes in Income Levels, Populations, and Employment	1998 2001	1992 1993 1999 2000		1991 1993 1994 1995 1996 1997	1995 1996 1997	1996: thresholds exceeded
55	Payments to Counties	1998 2001	1999 2000		1991 1997	1992 1993 1994 1995 1996 1997	1992: correct FP projections 1994: thresholds exceeded 1996: thresholds exceeded

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56	Lifestyles, Attitudes, Beliefs, Values, and Social Organizations	1999 2000 2001	1992		1991 1993 1994 1995 1996 1997	1997	1997: evaluation on hold pending completion of ICBEMP
57	Forest Contributions to the Local Timber Supply	1996 1997 1998 1999 2000 2001			1991 1995	1992 1993 1994 1995	1992: forest health and TE species effects on volume 1994: adjustment on hold awaiting completion of ICBEMP
58	Forest Budget	1998 1999 2000 2001			1991 1993 1994 1995 1996 1997	1992 1995 1996 1997	1992: forest health and TE species effects on volume 1996: adjust when ICBEMP completed
59	Costs/Values of Forest Plan	1998 1999 2000 2001			1991 1992 1993 1997	1994 1995 1996 1997	1994: threshold exceeded 1996: threshold exceeded