

Attachment K

Constraint	Related Regulation	Description	Constraint Class
Stream Class 1	California Forest Practice Rules	150 ft buffer around Class 1 waterways	GROW
Stream Class 2	California Forest Practice Rules	100 ft buffer around Class 2 waterways	GROW
Stream Class 3	California Forest Practice Rules	50 ft buffer around Class 3 waterways	UNCONSTRAINED
Stream Class 4	California Forest Practice Rules	100 ft buffer around Class 4 waterways	UNCONSTRAINED
Steep Streamside Slope Management Zone	Aquatic Habitat Conservation Plan	Areas within 200 feet of Class I and II streams and of slopes greater than 65%, impacts Stream Class 1 and Stream Class 2 only	GROW
NDDDB Species	California Endangered Species Act	Natural Diversity Database species subject to surveying and habitat and avoidance requirements	SLRP
Federal List	Federal Endangered Species Act	Subset of NDDDB species that are threatened and endangered under federal law; Pacific fisher is only listed species in project area	SLRP
Wild and Scenic River	Wild and Scenic Rivers Act	1/4 mile zone around Klamath River; clear-cutting not explicitly prohibited from Wild & Scenic Zone but is not included in the model or the baseline	UNCONSTRAINED
Northern Spotted Owl Detections	California Endangered Species Act	No changes to nesting habitat within 500 ft; no changes to roosting habitat within 1,000 ft	GROW
Northern Spotted Owl Territories	California Endangered Species Act	500 acres of owl habitat must be maintained within 0.7 miles of NSO detections, and 1,336 acres within 1.3 miles	GROW
Coho Salmon	California Endangered Species Act	Coho observations from landowner.	GROW

Constraint	Related Regulation	Description	Constraint Class
Salamander Detections	California Endangered Species Act	Salamander observations from landowner data	SLRP
Pacific Fisher Detections	Federal Endangered Species Act	Pacific fisher observations from landowner data	SLRP
Clear Cut Adjacency	California Forest Practice Rules	Forest Practice Rules for even-aged silviculture requiring at least 300 feet between harvested units	
Stocking Standards	California Forest Practice Rules	Minimum planting and residual basal area standards of Resource Conservation from the Forest Practice Rules	
Restricted Zones		Spatial harvesting limits imposed by the above riparian and wildlife constraints	

Table 1: List of constraints

Constraint Class	Project Acreage	Baseline Acreage	Silviculture and Retention Strategy
GROW	20,051	2,048	No management. Assumes natural regeneration as predicted by the approved-FVS growth model.
SLRP	0	1,697	Selective cuts thinning the canopy cover by 50%. Harvest intervals are conditional every cycle and completed once a stand hits a basal area greater than 180 ft ² /acre. Assumes natural regeneration. No species preferences were specified in the model and thus FVS selected trees randomly for harvest.
UNCONSTRAINED	0	16,306	Mature stands will be clear-cut and replanted with 300 TPA of Douglas fir. Management prevents sprouting of non-planted trees. After a stand has been clearcut and replanted, it enters a conditional thinning regime that triggers when the basal area exceeds 150 ft ² /acre. These stands are thinned to 125 ft ² /acre. Final rotation occurs once a stand reaches a volume target of 10,000 board feet/acre. Douglas firs are replanted at 300 TPA and the regime is repeated until the end of the modeled period.

Table 2: Silvicultural prescriptions and retention strategies by constraint class.