

ATTACHMENT G TMDLs

This draft document contains examples of the information that will be included directly into this permit relating to TMDLs. Dischargers are still required to implement applicable TMDL requirements fully, however the summary tables provide quicker access to implementation/applicability information to dischargers under this General Permit. The below list is not a final or complete list of the TMDL segments possibly applicable to dischargers, but illustrates what the final Attachment will contain for all industrial related TMDLs. More work is needed with TMDL staff to develop final list.

Region	TMDL	Waste Load Allocations					
1	Albion River Watershed = 43mi ² <i>Sediment</i> EPA Approved 12/01 Resolution No.	Source	Current Load tons/mi ² /yr 1989-2000	Load Reduction Needed %	Waste Load Allocation		
					tons/mi ² /yr	% TMDL Allocation	
		Landslides Harvest	158	59	65	16	
		Landslides Roads	170	74	44	11	
		Skid Trails	17	29	12	3	
		Road Surface Erosion	90	82	16	4	
1	Big River Watershed = 181mi ² <i>Sediment</i> EPA Approved 12/01 Resolution No.	Source	Current Load tons/mi ² /yr 1989-2000	Load Reduction Needed %	Waste Load Allocation		
					tons/mi ² /yr	% TMDL Allocation	
		Landslides Harvest	92	68	29	7	
		Landslides Roads	88	77	20	5	
		Landslides Skid Trails	7	29	5	1	
		Skid Trails Surface Erosion	7	57	3	1	
		Road Surface Erosion	93	87	12	3	
1	Eel River Lower Main (HA111.10) <i>Sediment</i> Watershed = 300 mi ² EPA Approved 12/07 Resolution No.	Source	Average Annual		Average Daily		Load Reduction Needed %
			1955-2003 Loading tons/mi ² /yr	Load Allocation tons/mi ² /yr	1955-2003 Loading tons/mi ² /yr	Load Allocation tons/mi ² /yr	
		Timber Harvest	590	147	1.6	0.4	75
		Roads Episodic	43	9	0.1	0.02	80
		Roads Chronic	115	17	0.3	0.05	85
Skid Trails	7	1	0.02	0.5	90		

		Bank Erosion	21	6	0.1	0.03	70
Waterbody	Current Load t/mi ² /yr 1985-2002	Load Reduction Needed %	Source		Waste Load Allocation Tons/mi ² /yr		
Eel River Middle Fork Watershed = 753mi ² <i>Sediment</i> (HA111.70) EPA Approved 12/03 Resolution No.	Black Butte	6		Landslides Harvest			
		3		Landslides Roads			
		9	0	Subtotal Landslides	9		
		6		Surface/Other Road Sources			
		1		Road-Related Gullies			
		7	0	Subtotal Small Mgmt Sources	7		
		16	0	Total Mgmt Related	16		
	Elk Creek	3		Landslides Harvest			
		10		Landslides Roads			
		13	5	Subtotal Landslides	12		
		20		Surface/Other Road Sources			
		40		Road-Related Gullies			
		60	32	Subtotal Small Mgmt Sources	41		
		73	27	Total Mgmt Related	53		
	Round Valley	0		Landslides Harvest			
	10		Landslides Roads				
	10	5	Subtotal Landslides	10			
	80		Surface/Other Road Sources				
	110		Road-Related Gullies				
	190	95	Subtotal Small Mgmt Sources	9			
	200	91	Total Mgmt Related	19			
Upper Middle Fork	1		Landslides Harvest				
	1		Landslides Roads				
	2	2	Subtotal Landslides	0			
	8		Surface/Other Road Sources				
	0		Road-Related Gullies				
	8	0	Subtotal Small	8			

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			Mgmt Sources	
	10	0	Total Mgmt Related	10
Williams Thatcher	0		Landslides Harvest	
	2		Landslides Roads	
	2	5	Subtotal Landslides	2
	40		Surface/Other Road Sources	
	130		Road-Related Gullies	
	170	89	Subtotal Small Mgmt Sources	19
	172	88	Total Mgmt Related	21
BASINWIDE	2		Landslides Harvest	
	4		Landslides Roads	
	6	5	Subtotal Landslides	6
	26		Surface/Other Road Sources	
	50		Road-Related Gullies	
	76	70	Subtotal Small Mgmt Sources	23
	82	65	Total Mgmt Related	29

1	Eel River Middle Main (HA111.40) Watershed = 521mi ² <i>Sediment</i> EPA Approved 12/05 Resolution No.	Source		Current Load t/mi ² /yr 1960-2003	Load Reduction Needed %	Waste Load Allocation Tons/mi ² /yr
		Timber Harvest	Large Features	36	50	18
			Small Features	12	50	16
		Roads	Large Features	80	50	40
			Small Features	104	58	60

1	Eel River North Fork (HA111.50) Watershed = 289mi ² <i>Sediment</i> EPA Approved 12/02 Resolution No.	Source		Current Load t/mi ² /yr	Load Reduction Needed %	Waste Load Allocation Tons/mi ² /yr
		Basin Total Landslides >5000 yd ³ ; includes both roads and harvest related		300	48	156
		Agriculture/Grazing		12	none	12
		Roads (smaller features)		46	57	20

		Tractor Harvest (smaller features)	40	50	20
		Cable Harvest (smaller features)	1	none	1
1	Eel River South Fork (HA111.30) Watershed = 689mi ² <i>Sediment</i> EPA Approved 12/99 Resolution No.	Source	Current Load t/mi²/yr	Load Reduction Needed %	Waste Load Allocation Tons/mi²/yr
		Road Category Road Surface Erosion, Road Crossing Failures, Gullies, Skid Trails	205	80	41
		Landslides Category Roads, Harvest	121	55	54
1	Eel River Upper Main (HA111.60) Watershed = 688mi ² <i>Sediment</i> EPA Approved 12/04 Resolution No.	Source	Current Load t/mi²/yr 1940-2004	Load Reduction Needed %	Waste Load Allocation Tons/mi²/yr
		Human Source (Large Features >3000 yds³)			
		Private (359.4mi ²)	86		
		Public (327.8mi ²)	55		
		Basin Wide (688.1mi ²)	71	49	36
		Road Related (Small Feature)			
		Private (359.4mi ²)	40		
		Public (327.8mi ²)	14		
		Basin Wide (688.1mi ²)	28	50	14
		Timber Harvest (Small Feature)			
		Private (359.4mi ²)	46		
		Public (327.8mi ²)	28		
		Basin Wide (688.1mi ²)	38	47	20
		Agriculture/Grazing (Small Feature)			
		Private (359.4mi ²)	30		
		Public (327.8mi ²)	0		
		Basin Wide (688.1mi ²)	16	50	8
		Total (Human Related)			
		Private (359.4mi ²)	202		
		Public (327.8mi ²)	97		
		Basin Wide (688.1mi ²)	152	49	78
1	Gualala River <i>Sediment</i> Watershed = 300mi ² EPA Approved 12/01 Resolution No.	Source	Current Load t/mi²/yr	Waste Load Allocation Tons/mi²/yr	
		Road-Related Landslides	370	56	
		Road-Stream Crossing Failures	50	5	
		Road-Related Gullies	150	8	
		Road-Related Surface Erosion	140	7	
		Skid Trail Surface Erosion	30	5	
		Other Harvest Related Delivery	100	14	
		Total Human Sources	840	95	