SMALL WATERSHED SEDIMENT YIELDS

Map #	Watershed	Location	Area	Slope (Mean or Range)	Mean Ann. Precip.	Vegetation	Land Use, Experimental Treatment	General Soil Texture	Mean Ann. Sediment Yield	Period of Record
			mi^2	%	inches				$tons/mi^2$	Water Year
39	North Fork Caspar Creek	N. California Coast Range	1.96	29	40	Second Growth Redwood	Undisturbed Control	Clay Loam	821 (3)	1963-76
39	South Fork Caspar Creek	N. California Coast Range	1.64	30	40	Second Growth Redwood	Roads, Selective Harvest	Clay Loam	827 (3)	1963-76
27	Lone Tree Creek	N. California Coast	.67	35-80	34	Grass, Brush, Oak, Douglas-fir	State Park, No Roads	Loam, Silt Loam	1791 (3)	1972-74
40	Cooper Creek	Oregon Coast Range	4.4	25-75	40	Hardwood Brush Douglas-fir	Timber Production	Sandy Clay	510 (4)	1968-78
40	Sutherlin Creek	Oregon Coast Range	9.0	20	40	Hardwood Brush Douglas-fir, 20% cultivated	Timber Production, Agriculture	Sandy Clay, Silt Loam	497 (4)	1968-78
	Alsea Basin Study									
27	Flynn Creek	Oregon Coast Range	.78	35	100	Douglas-fir Red Alder	Undisturbed Control	Gravelly Loam	281 (1) 8 (2)	1959-73 1978-80
27	Deer Creek	Oregon Coast Range	1.17	50	100	Douglas-fir Red Alder	25% Clearcut, High-Lead, Roads	Gravelly Loam	333 (1)	1959-73
27	Needle Branch	Oregon Coast Range	.27	37	100	Douglas-fir Red Alder	100% clearcut, High-Lead	Gravelly Loam	303 (1)	1959-73
9	Oak Creek	Oregon Coast Range	2.8	30	60	Douglas-fir Oak, Red Alder	<5% Recently Harvested, 8.5 miles road	Clay Loam	33 (1)	1978-80
6	H. J. Andrews Study									
	#1	Oregon Cascades 50 miles east of Eugene	.37	63	90	Old-Growth Douglas-fir Western Hemlock	100% clearcut, burned	Clay Loam	73 (3)	1960-68
	#2		.23	61			Undisturbed		307 (3)	
	#3		.39	53			1.65 miles road, 25% clearcut, burned		7980 (3)	

(1) suspended sediment, (2) bedload, (3) total load, (4) reservoir sedimentation study

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			mi^2	%	inches				$tons/mi^2$	Water Year
	H. J. Andrews Study (cont'd)									
6	# 6	Oregon Cascades 50 miles east of Eugene	.05	28	90	Old-Growth Douglas-fir, Western Hemlock	100% clearcut, burned	Clay Loam	29.6 (1)	1972-79
	# 7		.06	31			Shelterwood		7.6 (1)	1972-79
	# 8		.08	30			Undisturbed		31.8 (1)	1972-79
	# 9		.03	60			Undisturbed		9.8 (1)	1969-79
	#10		.04	60			100% clearcut, burned		81.3 (1)	1969-79
7	Coyote Creek Study									
	# 1	Oregon Cascades 30 miles south-east of Roseburg	.27	40	48	Mixed Conifer	Roads, shelter-wood cutting	Gravelly Loam	78.1 (3)	1970-79
	# 2		.26	40			Roads, 38% clearcut		59.4 (3)	1970-79
	# 3		.19	40			Roads, 100% clearcut		561.5 (3)	1970-79
	# 4		.19	40			Undisturbed		185.0 (3)	1970-79
8	Fox Creek Study									
	# 1	Oregon Cascades 30 miles east of Portland	.23	8	100	Old-Growth Douglas-fir Western Hemlock	Roads, 25% clearcut, broadcast burned	Loam	7.8 (1)	1970-79
	# 2		.98	8			Roads		5.6 (1)	1970-79
	# 3		.27	8			Roads, 25% clearcut		13.2 (1)	1970-79
	Carnation Creek	Vancouver Island, B.C.	3.9	30	125	Old-Growth Western Hemlock	roaded 16% Harvested, High-Lead	Gravelly Loam	188 (1)	1973-77

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			mi^2	%	inches				$tons/mi^2$	Water Year
2	Horse Creek Study									
	East Fork	Northern Idaho,	5.6	36	45	Lodgepole Pine	Undisturbed	Sandy Loam	9 (3)*	1966-78
	Main Fork	Near Grangeville	6.5	31	45	Grand Fir,	as of 1978		15 (3)*	1966-78
	Subwatersheds									
	2		.22	--		Western Larch			48 (3)*	1975-78
	4		.54	--		Engleman Spruce			20 (3)*	1975-78
	6		.40	--					16 (3)*	1974-78
	8		.57	--					28 (3)*	1975-78
	9		.09	--					38 (3)*	1975-78
	10		.25	--					60 (3)*	1975-78
	12		.32	--					32 (3)*	1975-78
	14		.24	--					34 (3)*	1975-78
	16		.11	--					100 (3)*	1974-78
	18		.33	--					40 (3)*	1974-78
41	Rock Creek Grazing Study									
	Main	Near Potlatch	52 acres	12	28	Pasture,woodland	Grazed	Silt	103 (3)	
	Control	Idaho	2 acres	6	28	Pasture	Undisturbed	Loam	6 (3)	
3 & 4	Silver Creek - Deep Creek Studies									
	Cabin	Idaho Batholith	.40	Approx. 40	Approx. 28	Ponderosa Pine Douglas-fir	Undisturbed	Loamy Sand	23.3(3)	1966-74
	Control		.78						6.4 (3)	1966-74
	Eggers		.50						14.2 (3)	1966-74
	Ditch		.41						33.8 (3)	1966-74
	C		.75						20.3 (3)	1966-74
	D		.47						21.7 (3)	1966-74
	K-1		.10						27.3 (3)	1966-74
	Tailholt Main		2.54						17.7 (3)	1961-67
	Tailholt A		.84						17.7 (3)	1968-71
	Tailholt B		.61						21.7 (3)	1968-71
	Tailholt C		.56						19.3 (3)	1968-71
	Circle End		1.45						11.7 (3)	1963-71
	Oompaul		1.16						7.8 (3)	1960-62
	Hamilton		.72						14.9 (3)	1962

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* Estimates of total sediment yield arrived at by multiplying original debris basin accumulations by 2. Debris basin trap efficiency has been estimated at 50 percent.

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			mi^2	%	inches				$tons/mi^2$	Water Year
1	Reynolds Creek Study									
	Reynolds Outlet	Southeastern Idaho Near Nampa	90.16	17	Precip. ranges from 10 to 45 inches	Forested, sagebrush range	Grazed	Loam	239 (1)	1967-78
	Reynolds Tollgate		21.02	22		Forested, Sagebrush	Grazed	Loam	401 (3)	1966-78
	Salmon Creek		14.05	22		Sagebrush	Grazed	Gravelly Loam	544 (1)	1965-74
	Macks Creek		12.26	18		Sagebrush	Grazed	Gravelly Loam	310 (1)	1967-78
	Summit		.32	23		Sagebrush	Grazed	Sandy Loam	509 (3)	1968-78
	Whisky Hill		.18	27		Forested, Sagebrush	Grazed	Gravelly Loam	30 (3)	1965-78
	Reynolds Mountain		.16	14		Forested Sagebrush	Grazed	Gravelly Loam	87 (3)	1968-78
	Upper Sheep		.09	25		Forested, Sagebrush	Grazed	Gravelly Loam	62 (3)	1970-78
	Nancy Gulch		3.1 acres	10		Sagebrush	Grazed	Gravelly Loam	15 (3)	1972-78
	Flats		2.2 acres	5		Sagebrush	Grazed	Gravelly Loam	19 (3)	1972-78
	Entiat Study									
35	Fox Creek	E. Cascades Washington	1.83	50	23	Prior to Fire Ponderosa Pine Douglas-fir	Burned by Wildfire	Loamy Sand	Pre&Post fire mean 1146 (3)	1967-77
35	Burns Creek	"	2.17	50	23	"	"	"	Pre&Post Fire Mean 597 (3)	1967-77
35	McCree	"	1.98	50	23	"	"	"	Pre&Post Fire Mean 334 (3)	1967-77
							Mean For All Watersheds -		692 (3)	1967-77

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