

FACT SHEET

NO. 34

Timber & Timber Harvesting in West Virginia

Fall, 2001

Slope Classes In West Virginia Counties

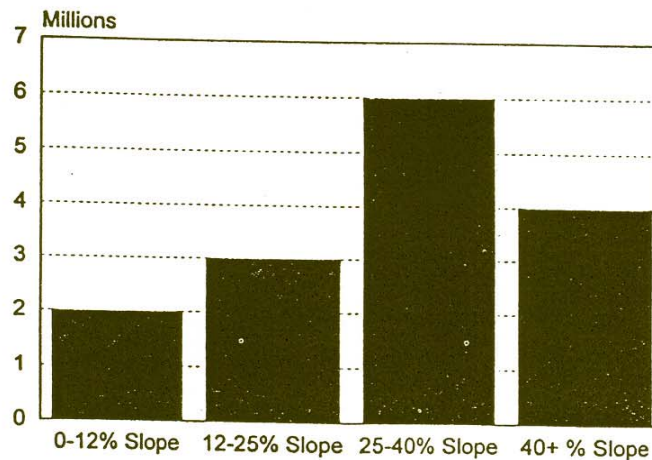
Slope is the angle at which the surface of a hill deviates from the horizontal. The slope percentage is roughly, but not exactly, twice the number of degrees in the angle. The typical slope terminology in natural resources is 0-3%, nearly level; 4-8%, gently sloping; 9-16%, rolling; 17-30%, moderately steep; 31-65%, steep and 66+%, very steep. Sometimes a simple slope and complex slope classification is used. Best management practices for logging specify a percentage slope that should not be exceeded, except for a short distance, when building roads and skid trails. In a land of steep slopes, as in West Virginia, road building is often a real challenge.

County	Total Acres	Prevailing Slope Class							
		0-12%		12-25%		25-40%		40+%	
	Acres	%	Acres	%	Acres	%	Acres	%	
Barbour	221,062	48,888	22.1	81,791	37.0	53,482	24.2	36,901	16.7
Berkeley	207,859	118,317	56.9	60,810	29.3	16,935	8.1	11,797	5.7
Boone	328,840	30,579	9.4	205	0.1	32,851	10.2	260,205	80.3
Braxton	332,608	35,647	10.7	26,432	8.0	147,195	44.2	123,334	37.1
Brooke	59,200	14,747	24.9	9,649	16.3	30,601	51.7	4,203	7.1
Cabell	182,835	23,972	13.1	10,171	5.6	81,685	44.6	67,007	37.7
Calhoun	179,328	5,799	3.2	3,469	2.0	67,783	37.8	102,277	57.0
Clay	221,830	20,919	9.4	3,503	1.6	95,094	42.9	102,314	46.1
Doddridge	205,830	12,070	5.9	6,936	3.3	177,044	86.0	9,780	4.8
Fayette	426,560	59,891	14.0	100,485	23.6	122,873	28.8	143,311	33.6
Gilmer	219,136	10,553	1.5	3,288	1.5	108,596	49.6	96,719	44.1
Grant	305,920	93,114	30.4	90,455	29.6	72,623	23.7	49,728	16.1
Greenbrier	654,592	167,943	25.7	137,400	20.9	179,559	27.5	169,690	25.9
Hampshire	410,522	122,842	29.9	170,844	41.6	86,109	21.0	30,727	7.5
Hancock	56,672	6,959	12.3	34,792	61.4	11,215	19.8	3,706	6.5
Hardy	368,333	80,868	22.0	127,698	34.6	89,302	24.3	70,465	19.1
Harrison	267,424	35,809	13.4	47,785	18.6	178,300	65.9	5,530	2.1
Jackson	302,067	37,851	12.5	30,422	10.1	167,060	55.6	65,834	21.8
Jefferson	135,942	115,453	84.9	12,116	8.9	2,593	1.9	5,780	4.3
Kanawha	584,563	75,436	12.9	20,757	3.6	261,369	44.7	227,001	38.8
Lewis	250,464	22,680	9.1	27,977	11.1	146,388	58.5	53,419	21.3
Lincoln	279,878	21,566	7.7	7,844	2.8	177,553	63.4	72,915	26.1
Logan	291,725	24,318	8.3	5,777	2.0	37,362	12.8	224,268	76.9
Marion	200,672	18,448	9.2	30,578	15.2	131,594	65.6	20,052	10.0
Marshall	201,766	16,970	8.4	51,829	25.7	75,988	37.3	56,979	28.2
Mason	285,280	64,495	22.6	92,981	32.6	85,487	30.0	42,317	14.8
McDowell	344,576	7,075	2.1	-	-	17,075	4.9	320,426	93.0
Mercer	271,303	34,170	12.6	95,436	35.2	122,959	45.3	18,737	6.9

Prevailing Slope Class

County	Total Acres	0-12%		12-25%		25-40%		40+%	
		Acres	%	Acres	%	Acres	%	Acres	%
Mineral	211,200	54,175	25.7	87,357	41.3	38,905	18.4	30,763	14.6
Mingo	271,040	22,386	8.3	5,777	2.0	37,362	12.8	224,268	76.9
Monongalia	236,045	21,818	9.2	56,162	23.8	120,099	50.9	37,966	16.1
Monroe	303,232	78,970	26.0	76,137	25.2	82,835	27.3	65,290	21.5
Morgan	148,006	32,110	21.7	58,158	39.3	26,460	17.9	31,278	21.1
Nicholas	420,333	102,929	24.5	105,203	25.0	116,010	27.6	96,191	22.9
Ohio	67,760	4,603	6.6	29,900	42.9	24,358	34.9	10,899	15.6
Pendleton	446,003	43,993	9.9	92,506	20.7	179,279	40.2	130,225	29.2
Pleasants	86,176	9,975	11.6	16,113	18.7	39,968	46.4	20,120	25.3
Pocahontas	603,270	80,961	13.4	123,664	20.5	228,939	38.0	169,706	28.1
Preston	418,483	82,100	19.6	188,642	45.1	125,058	29.9	22,683	5.4
Putnam	224,365	48,987	21.8	15,094	6.8	120,088	53.5	40,186	17.9
Raleigh	390,496	64,803	16.6	89,691	23.0	139,767	35.8	96,235	24.6
Randolph	669,658	106,185	15.9	183,770	27.4	246,439	36.8	133,264	19.9
Ritchie	291,373	20,927	7.2	24,814	8.5	167,691	57.6	77,941	26.7
Roane	311,168	14,560	4.7	28,589	9.2	177,640	57.1	90,379	29.0
Summers	235,366	22,354	9.5	50,368	25.2	135,134	57.4	18,510	7.9
Taylor	113,402	13,406	11.8	34,455	30.1	65,841	58.1	-	-
Tucker	269,869	84,250	31.2	44,809	16.6	100,679	37.3	40,131	14.9
Tyler	166,477	22,118	13.3	14,791	8.9	114,566	68.8	15,002	9.0
Upshur	227,110	46,994	20.6	77,662	34.1	76,264	33.5	26,190	11.8
Wayne	331,443	32,305	9.8	29,123	8.8	169,215	51.0	100,800	30.4
Webster	357,504	26,951	7.5	57,373	16.1	126,678	36.2	143,502	40.1
Wetzel	230,701	16,366	7.1	1,821	0.7	80,942	35.1	131,572	57.1
Wirt	150,022	15,961	10.6	5,450	3.7	89,960	59.9	38,651	25.8
Wood	241,805	56,972	23.6	40,142	16.6	130,955	54.1	13,736	5.7
Wyoming	324,672	12,817	3.9	11,510	3.6	97,464	30.0	202,881	62.5
Totals	15,404,800		16.0		18.0		38.0		28.0

Slope Percentages (Acres)



15.4 million total acres in West Virginia

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