

Degradación de suelos: superficie afectada por procesos, por entidad federativa, según niveles de degradación, 2002 (hectáreas)

		Ligera	Moderada	Severa	Extrema	Total
Proceso de degradación	Entidad					
Degradación física	Aguascalientes	5,125.59	0.00	3,617.40	3,812.38	12,555.37
	Baja California	26,217.27	16,860.17	24,110.69	68,788.97	135,977.10
	Baja California Sur	4,328.14	5,205.65	12,148.89	63,865.55	85,548.23
	Campeche	716,604.20	0.00	0.00	29,715.29	746,319.49
	Coahuila	0.00	1,031.73	12,871.42	32,598.56	46,501.71
	Colima	12,323.96	0.00	1,241.36	4,095.70	17,661.02
	Chiapas	689,179.84	102,979.56	28,683.21	149,789.25	970,631.87
	Chihuahua	9,907.63	886,628.37	57,237.60	4,410.91	958,184.51
	Distrito Federal	1,396.64	0.00	3,985.26	4,771.31	10,153.21
	Durango	28,945.24	127,206.13	81,102.66	7,404.89	244,658.92
	Guanajuato	8,839.51	30,742.90	20,610.12	14,471.97	74,664.50
	Guerrero	110,566.83	3,034.03	6,943.25	6,396.16	126,940.27
	Hidalgo	42,107.34	2,686.08	2,873.20	31,159.68	78,826.30
	Jalisco	142,288.38	38,553.66	30,244.59	91,231.13	302,317.76
	México	25,198.67	3,864.61	30,325.77	27,449.25	86,838.30
	Michoacán	64,807.20	6,215.13	8,716.03	21,860.73	101,599.10
	Morelos	11,995.63	0.00	0.00	13,523.36	25,518.99
	Nayarit	48,794.36	8,766.66	2,893.49	21,065.19	81,519.69
	Nuevo León	9,277.94	33,506.61	0.00	30,698.72	73,483.27
	Oaxaca	396,234.17	59,248.01	4,453.50	23,375.90	483,311.59
Puebla	60,632.63	5,442.45	8,246.28	22,948.36	97,269.71	
Querétaro	7,452.73	51.98	0.00	11,470.98	18,975.68	
Quintana Roo	104,098.22	0.00	11,420.66	68,649.60	184,168.48	
San Luis Potosí	291,876.09	133,165.99	58,904.33	16,508.08	500,454.49	
Sinaloa	103,599.07	10,605.60	19,625.71	105,784.34	239,614.74	
Sonora	23,285.65	77,049.97	36,551.39	102,786.63	239,673.65	
Tabasco	841,946.97	7,381.15	7,855.81	30,368.39	887,552.32	
Tamaulipas	731,131.71	202,745.07	16,776.11	5,100.93	955,753.82	
Tlaxcala	7,047.97	9.88	5,175.40	9,191.61	21,424.86	
Veracruz	1,408,062.93	557,264.90	1,279.12	54,945.86	2,021,552.80	
Yucatán	624,457.36	0.00	8,741.02	108,220.30	741,418.68	
Zacatecas	162,923.39	13,881.86	80,535.53	9,402.53	266,743.31	
Total: Degradación física		6,720,653.26	2,334,128.14	587,169.83	1,195,862.53	10,837,813.75
Degradación química	Aguascalientes	73,196.27	1,405.74	1,104.55	0.00	75,706.57
	Baja California	811.34	259,445.62	0.00	0.00	260,256.96
	Baja California Sur	7,456.15	125,291.97	1,560.05	0.00	134,308.17
	Campeche	1,355,891.05	49,604.96	0.00	0.00	1,405,496.01
	Coahuila	217,722.59	139,965.60	7,015.94	0.00	364,704.14
	Colima	59,886.16	86,170.15	0.00	0.00	146,056.31
	Chiapas	1,123,609.20	1,131,584.78	141,462.10	3,242.42	2,399,898.49
Chihuahua	40,107.17	5,368,789.65	81,916.58	0.00	5,490,813.39	

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		Ligera	Moderada	Severa	Extrema	Total
Degradación química	Distrito Federal	11,768.62	0.00	0.00	0.00	11,768.62
	Durango	510,829.14	1,629,556.02	3,033.63	0.00	2,143,455.96
	Guanajuato	375,594.89	449,660.64	9,125.67	22,178.64	856,559.84
	Guerrero	857,039.34	41,191.78	0.00	103.79	898,334.92
	Hidalgo	345,800.24	208,349.01	0.00	0.00	554,149.25
	Jalisco	1,058,572.14	595,157.06	1,094.12	1,821.13	1,656,644.45
	México	436,752.58	108,960.54	0.00	0.00	545,713.12
	Michoacán	947,762.41	366,634.82	0.00	0.00	1,314,397.22
	Morelos	93,428.62	46,937.03	0.00	0.00	140,365.65
	Nayarit	385,098.97	152,635.44	0.00	62.68	537,797.09
	Nuevo León	427,844.66	117,341.26	69,158.60	0.00	614,344.52
	Oaxaca	1,290,251.43	388,371.15	0.00	0.00	1,678,622.58
	Puebla	549,279.52	192,032.53	0.00	0.00	741,312.05
	Querétaro	126,218.53	72,953.61	0.00	0.00	199,172.14
	Quintana Roo	1,011,924.43	8,177.51	0.00	0.00	1,020,101.94
	San Luis Potosí	508,029.64	329,768.75	26,184.89	0.00	863,983.28
	Sinaloa	684,982.93	969,814.30	0.00	0.00	1,654,797.23
	Sonora	209,140.60	685,810.42	30,571.76	0.00	925,522.78
	Tabasco	656,230.85	46,522.71	26,737.43	0.00	729,490.98
	Tamaulipas	1,202,491.55	287,032.61	133,532.38	23,548.12	1,646,604.67
Tlaxcala	72,618.88	19,195.57	0.00	0.00	91,814.45	
Veracruz	1,517,157.90	647,283.89	596.31	0.00	2,165,038.11	
Yucatán	2,096,511.80	21,766.95	11,337.09	1,642.91	2,131,258.75	
Zacatecas	460,143.67	169,999.17	13,921.28	0.00	644,064.12	
Total: Degradación química		18,714,153.29	14,717,411.25	558,352.39	52,599.70	34,042,553.79
Erosión eólica	Aguascalientes	8,917.54	55,922.89	1,562.19	0.00	66,402.62
	Baja California	1,823.63	17,791.64	0.00	0.00	19,615.27
	Baja California Sur	11,593.87	71,768.24	0.00	0.00	83,362.11
	Campeche	0.00	0.00	0.00	0.00	0.00
	Coahuila	1,373,787.58	694,369.18	495.62	0.00	2,068,652.38
	Colima	15,085.78	0.00	0.00	0.00	15,085.78
	Chiapas	0.00	0.00	0.00	0.00	0.00
	Chihuahua	91,559.79	6,678,025.19	234,350.01	0.00	7,003,934.99
	Distrito Federal	2,119.95	0.00	0.00	0.00	2,119.95
	Durango	442,577.92	1,716,599.93	20,475.37	0.00	2,179,653.23
	Guanajuato	91,750.25	150,713.14	0.00	0.00	242,463.39
	Guerrero	53,019.74	0.00	0.00	0.00	53,019.74
	Hidalgo	31,166.38	80,527.39	0.00	0.00	111,693.77
	Jalisco	192,176.57	5,041.09	7,342.57	0.00	204,560.24
	México	92,591.08	6,928.41	0.00	0.00	99,519.49
	Michoacán	174,450.65	9,024.80	0.00	0.00	183,475.45

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		Ligera	Moderada	Severa	Extrema	Total
Erosión eólica	Morelos	20,018.26	0.00	0.00	0.00	20,018.26
	Nayarit	9,728.55	0.00	0.00	0.00	9,728.55
	Nuevo León	807,271.78	367,633.83	12,875.83	0.00	1,187,781.44
	Oaxaca	35,733.59	8,070.13	0.00	0.00	43,803.72
	Puebla	207,539.33	115,851.10	0.00	0.00	323,390.42
	Querétaro	33,620.00	49,230.10	0.00	0.00	82,850.11
	Quintana Roo	0.00	0.00	0.00	0.00	0.00
	San Luis Potosí	128,843.67	290,641.88	29,659.71	0.00	449,145.25
	Sinaloa	22,381.03	2,889.53	0.00	0.00	25,270.56
	Sonora	472,491.01	741,804.76	52,641.63	12,265.68	1,279,203.08
	Tabasco	0.00	0.00	0.00	0.00	0.00
	Tamaulipas	528,903.33	333,648.99	158,729.71	0.00	1,021,282.03
	Tlaxcala	101,531.83	0.00	0.00	0.00	101,531.83
	Veracruz	11,276.16	36,624.55	0.00	0.00	47,900.71
	Yucatán	0.00	0.00	0.00	0.00	0.00
	Zacatecas	381,641.91	653,040.32	164,714.25	0.00	1,199,396.48
Total: Erosión eólica		5,343,601.19	12,086,147.09	682,846.89	12,265.68	18,124,860.84
Erosión hídrica	Aguascalientes	50,744.72	61,325.26	18,588.60	0.00	130,658.58
	Baja California	973.59	4,342.59	1,262.83	0.00	6,579.00
	Baja California Sur	562.90	1,635.17	0.00	0.00	2,198.07
	Campeche	0.00	0.00	0.00	0.00	0.00
	Coahuila	456,809.11	136,174.79	10,868.26	0.00	603,852.17
	Colima	110,848.96	4,463.87	0.00	0.00	115,312.83
	Chiapas	226,868.75	139,160.44	1,151.84	0.00	367,181.03
	Chihuahua	159,838.86	2,766,367.31	24,210.91	0.00	2,950,417.08
	Distrito Federal	15,772.55	748.84	0.00	0.00	16,521.39
	Durango	1,382,044.88	1,383,444.47	51,062.84	0.00	2,816,589.35
	Guanajuato	247,604.89	327,722.86	120,819.17	8,041.94	704,188.86
	Guerrero	1,635,064.97	358,799.69	784.82	0.00	1,994,649.48
	Hidalgo	60,850.70	65,992.36	4,763.97	0.00	131,607.03
	Jalisco	1,505,528.16	336,731.61	69,502.60	744.19	1,912,506.56
	México	370,479.46	169,563.21	893.36	0.00	540,936.03
	Michoacán	1,241,819.92	281,265.15	12,132.25	0.00	1,535,217.32
	Morelos	52,730.69	11,203.95	0.00	0.00	63,934.64
	Nayarit	460,735.87	23,078.39	3,773.11	0.00	487,587.37
	Nuevo León	507,652.94	138,860.83	13,992.18	6,705.85	667,211.81
	Oaxaca	1,389,543.27	275,810.82	3,082.61	0.00	1,668,436.70
Puebla	208,411.17	119,915.76	9,138.03	0.00	337,464.95	
Querétaro	91,926.05	61,915.19	9,082.35	0.00	162,923.60	
Quintana Roo	0.00	0.00	0.00	0.00	0.00	
San Luis Potosí	178,175.40	223,609.60	61,651.82	2,241.39	465,678.21	

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		Ligera	Moderada	Severa	Extrema	Total
Proceso de degradación	Entidad					
Erosión hídrica	Sinaloa	700,817.72	155,883.71	6,568.18	0.00	863,269.61
	Sonora	795,674.10	1,274,616.91	221,569.16	20,739.51	2,312,599.69
	Tabasco	29,247.53	26,900.45	0.00	0.00	56,147.99
	Tamaulipas	340,169.28	216,761.92	63,437.17	0.00	620,368.38
	Tlaxcala	49,299.06	21,052.64	1,672.59	0.00	72,024.29
	Veracruz	18,293.78	46,363.51	1,475.22	0.00	66,132.51
	Yucatán	0.00	0.00	0.00	0.00	0.00
	Zacatecas	534,263.92	392,678.77	126,568.95	0.00	1,053,511.64
	Total: Erosión hídrica		12,822,753.21	9,026,390.07	838,052.82	38,472.89

NOTAS

Variable	Notas
Degradación de suelos	Los totales presentados en esta tabla no necesariamente coinciden con aquellos que se calculan por proceso y tipo de degradación, debido a las diferencias que puedan existir entre las delimitaciones costeras de una y otra capa de información. Estas diferencias suelen ocurrir debido a que tales capas de información se generan en distintos momentos y con diferentes escalas. Esta información es la más reciente. Revisión: mayo 2008

FUENTES

Dirección General de Estadística e Información Ambiental, con base en: Instituto Nacional de Estadística, Geografía e Informática, Conjunto de datos vectoriales de uso de suelo y vegetación, 2002-2005. Escala 1:250,000, Serie III, INEGI, México, 2005.
 Dirección General de Estadística e Información Ambiental, con base en: Semarnat-Colegio de Postgraduados, Evaluación de la degradación del suelo causada por el hombre en la República Mexicana. Escala 1:250,000. Memoria Nacional 2001-2002, , Semarnat-Colegio de Postgraduados, México, 2003.