

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
Santa Apolonia		bh-MB	20.70%	9.55					9.55	46.14
		bmh-MB	12.44%	5.74			66.86%	30.85	36.59	
			33.14%	15.29			66.86%	30.85		
Tecpán Guatemala		bh-MB	13.39%	33.20			23.00%	57.01	90.21	247.90
		bh-S(t)	0.95%	2.34			0.01%	0.01	2.36	
		bmh-MB	9.19%	22.78			53.47%	132.56	155.33	
			23.53%	58.32	0%	0.00	76.47%	189.58		
Patzún		bh-MB	14.39%	26.50			37.49%	69.05	95.55	184.19
		bmh-MB	27.78%	51.17			14.28%	26.30	77.47	
		bmh-S(c)	0.47%	0.86			5.59%	10.30	11.16	
			42.64%	78.54	0.00%	0.00	57.36%	105.65		
Pochuta		bh-MB	1.43%	1.85			9.37%	12.14	13.99	129.53
		bmh-MB	0.01%	0.01			1.48%	1.91	1.93	
		bmh-S(c)	70.37%	91.15			17.34%	22.46	113.61	
			71.81%	93.02			28.19%	36.51		
Patziúa		bh-MB	24.28%	15.72			62.63%	40.55	56.27	64.74
		bmh-MB	2.75%	1.78			10.34%	6.69	8.47	
			27.03%	17.50	0.00%	0.00	72.97%	47.24		
Santa Cruz Balanyá		bh-MB	3.75%	0.74			95.63%	16.27	17.01	19.81
		bmh-MB	7.40%	1.47			7.87%	1.34	2.81	
			11.15%	2.21	0.00%	0.00	103.50%	17.60		
Acatenango		bh-MB	25.28%	33.11			32.56%	42.65	75.76	130.98
		bmh-MB	5.64%	7.39			3.93%	5.15	12.53	
		bmh-S(c)	22.36%	29.29			10.23%	13.40	42.69	
			53.28%	69.78	0.00%	0.00	46.72%	61.20		
Yepocapa		bh-MB	6.14%	12.61			7.39%	15.18	27.79	205.47
		bmh-MB	2.60%	5.35			3.05%	6.26	11.61	
		bmh-S(c)	68.88%	141.53			11.94%	24.54	166.07	
			77.62%	159.49	0%	0.00	22.38%	45.98		
San Andrés Itzapa		bh-MB	17.94%	12.14			47.20%	31.94	44.07	67.67
		bmh-MB	19.12%	12.94			15.74%	10.65	23.59	
			37.06%	25.08	0%	0.00	62.94%	42.59		
Parramos		bh-MB	22.00%	6.48			46.91%	13.81	20.29	29.44
		bmh-MB	29.86%	8.79			1.23%	0.36	9.15	
			51.86%	15.27	0%	0.00	48.14%	14.17		
Zaragoza		bh-MB	0.30%	0.16			99.70%	51.77	51.92	51.92
			0.30%	0.16	0%	0.00	99.70%	51.77		

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			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	El Tejar	bh-MB	36.72%	16.73				28.50	45.24	45.57
		bh-S(t)	0.06%	0.03				0.30	0.33	
			36.78%	16.76	0%	0.00	0.00%	28.81		
Escuintla	Escuintla	bh-MB	0.10%	0.56			2.60%	14.21	14.77	546.72
		bmh-MB	0.67%	3.65			0.87%	4.73	8.38	
		bmh-S(c)	33.10%	180.98			62.66%	342.59	523.56	
			33.87%	185.20	0%	0.00	66.13%	361.52		
	Santa Lucía Cotzumalguapa	bmh-S(c)	24.20%	110.07	0%	0.00	75.80%	344.79	454.86	454.86
			24.20%	110.07	0%	0.00	75.80%	344.79		
	La Democracia	bh-S(c)	0.14%	0.41			19.82%	57.67	58.07	290.87
		bmh-S(c)	0.18%	0.51			79.86%	232.29	232.80	
			0.32%	0.92	0%	0.00	99.68%	289.95		
	Siquinalá	bh-MB	0.82%	1.50			3.77%	6.96	8.46	184.50
		bmh-MB	1.07%	1.97			0.00%		1.97	
		bmh-S(c)	30.58%	56.42			63.76%	117.64	174.06	
			32.47%	59.90	0%	0.00	67.53%	124.60		
	Masagua	bh-S(c)	1.38%	6.55			23.19%	109.85	116.40	473.72
		bmh-S(c)	25.24%	119.58			50.18%	237.73	357.32	
			26.63%	126.13	0%	0.00	73.37%	347.59		
	Tiquisate	bh-S(c)	0.72%	3.38			46.81%	220.78	224.16	471.61
		bmh-S(c)	2.44%	11.53			44.33%	209.07	220.59	
		bs-S	0.96%	4.50			4.74%	22.36	26.86	
			4.11%	19.41	0%	0.00	95.89%	452.21		
	La Gomerá	bh-S(c)	2.47%	19.42			70.66%	555.74	575.16	786.47
		bmh-S(c)	0.04%	0.32			22.52%	177.13	177.45	
		bs-S	2.65%	20.83			1.66%	13.03	33.86	
			5.16%	40.57	0%	0.00	94.84%	745.90		
	Guanagazapa	bh-S(c)	0.00%		0%		0.36%	0.81	0.81	226.82
		bmh-S(c)	63.30%	143.58	0%		36.70%	83.24	226.82	
			63.30%	143.58	0%	0.00	36.70%	83.24		
	San José	bh-S(c)	0.31%	0.68			86.43%	190.43	191.11	220.33
		bs-S	2.66%	5.87			10.60%	23.34	29.22	
			2.97%	6.55	0%	0.00	97.03%	213.78		
	Iztapa	bh-S(c)	4.86%	3.17	0%		78.07%	50.93	54.09	65.23
		bmh-S(c)	0.00%		0%		0.36%	0.23	0.23	
		bs-S	6.96%	4.54	0%		9.76%	6.36	10.91	
			11.82%	7.71	0%	0.00	88.18%	57.52		

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			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	Palín	bh-MB bh-S(t) bmh-MB bmh-S(c)	1.63%	1.81			5.73%	6.36	8.17	111.05
			13.86%	15.39			12.18%	13.53	28.91	
			0.00%				2.55%	2.83	2.83	
			2.55%	2.83			61.52%	68.32	71.14	
	San Vicente Pacaya	bh-S(t) bmh-S(c)	18.03%	20.03	0%	0.00	81.97%	91.03		150.13
			12.21%	18.33			7.12%	10.68	29.01	
			60.98%	91.55			19.70%	29.57	121.12	
	Nueva Concepción	bh-S(c) bmh-S(c) bs-S	73.19%	109.87	0%	0.00	26.81%	40.26		524.21
			1.23%	6.46			58.47%	306.48	312.94	
			3.92%	20.53			31.88%	167.10	187.63	
			0.51%	2.69			4.00%	20.95	23.64	
Santa Rosa	Culapa	bh-S(t) bmh-S(c)	5.66%	29.68	0%	0.00	94.34%	494.53		213.94
			8.53%	18.24			5.15%	11.02	29.27	
			75.14%	160.75			11.18%	23.92	184.68	
	Barberena	bh-S(t) bmh-S(c)	83.67%	179.00	0%	0.00	16.33%	34.95		224.47
			0.12%	0.28			0.00%		0.28	
			76.37%	171.44			23.50%	52.76	224.20	
	Sta Rosa de Lima	bh-MB bh-S(t) bmh-S(c)	76.50%	171.72	0%	0.00	23.50%	52.76		134.21
			0.00%				0.02%	2.92%	0.03	
			68.28%	91.63			30.35%	40.74	132.37	
	Casillas	bh-MB bh-S(t) bh-S(t), (agua)	0.52%	0.70			0.82%	1.10	1.81	204.71
			68.80%	92.34	0%	0.00	31.20%	41.87		
			2.81%	5.74			0.00%		5.74	
	San Rafael Las Flores	bh-MB bh-S(t) bh-S(t) (agua)	48.61%	99.51			44.72%	91.54	191.05	85.23
			0.00%				3.87%	7.92	7.92	
			51.42%	105.26	0%	0.00	48.58%	99.46		
	Oratorio	bh-MB bh-S(t) bmh-S(c)	1.31%	1.12			0.00%	0.00	1.12	310.67
			68.94%	58.76			22.80%	19.43	78.19	
			0.00%				6.95%	5.92	5.92	
	San Juan Tecuaco	bh-S(c) bh-S(t) bmh-S(c)	70.26%	59.88	0%	0.00	29.74%	25.35		33.68
			47.05%	146.17			9.65%	29.97	176.13	
			15.63%	48.56			5.33%	16.55	65.11	
	San Juan Tecuaco	bmh-S(c)	21.51%	66.83			0.84%	2.60	69.43	33.68
			84.19%	261.56	0%	0.00	15.81%	49.11	310.67	
	San Juan Tecuaco	bmh-S(c)	99.97%	33.67			0.03%	0.01	33.68	33.68
			99.97%	33.67	0%	0.00	0.03%	0.01		

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			%	KM ²	%	KM ²	%	KM ²		
	Chiquimulilla	bh-S(c)	19.48%	117.05			37.26%	223.92	340.97	600.97
		bh-S(t)	0.20%	1.21			0.95%	5.69	6.90	
		bmh-S(c)	24.20%	145.43			12.23%	73.49	218.92	
		bs-S	1.97%	11.86			3.72%	22.34	34.19	
			45.85%	275.54	0%	0.00	54.15%	325.43		
	Taxisco	bh-S(c)	5.06%	32.45			29.13%	186.62	219.07	640.58
		bh-S(t)	0.14%	0.88			1.48%	9.46	10.34	
		bmh-S(c)	33.28%	213.19			24.83%	159.04	372.23	
		bs-S	3.02%	19.33			3.06%	19.61	38.94	
			41.50%	265.85	0%	0.00	58.50%	374.73		
	Santa María Ixhuatán	bh-S(t)	5.56%	9.17			13.75%	22.67	31.84	164.91
		bmh-S(c)	58.61%	96.65			22.08%	36.42	133.07	
			64.17%	105.82	0%	0.00	35.83%	59.09		
	Guazacapán	bh-S(c)	21.11%	23.14			13.45%	14.75	37.89	109.63
		bmh-S(c)	26.51%	29.07			37.34%	40.94	70.00	
		bs-S	0.84%	0.93			0.74%	0.81	1.74	
			48.46%	53.13	0%	0.00	51.54%	56.50	109.63	
	Santa Cruz Naranjo	bh-S(t)	35.15%	20.37			2.85%	1.65	22.02	57.94
		bmh-S(c)	26.40%	15.30			35.60%	20.63	35.92	
			61.55%	35.66	0%	0.00	38.45%	22.28	57.94	
	Pueblo Nuevo Viñas	bh-S(t)	27.48%	68.89			15.88%	39.81	108.69	250.68
		bmh-S(c)	46.71%	117.09			9.94%	24.91	141.99	
			74.19%	185.97	0%	0.00	25.81%	64.71		
	Nueva Santa Rosa	bh-S(t)	54.17%	71.59			35.87%	47.40	118.99	132.16
		bmh-S(c)	7.27%	9.61			2.69%	3.55	13.16	
			61.45%	81.20	0%	0.00	38.55%	50.95		
Sololá	Sololá	bh-MB	1.24%	1.87	0%		16.39%	24.81	26.68	151.37
		bmh-M	0.00%					27.11	27.11	
		bmh-MB	13.28%	20.10				77.47	97.57	
			14.52%	21.98	0%	0.00	16.39%	129.39		
	San José Chacayá	bh-MB	0.00%	0.00	0%	0.00	0.08%	0.01	0.01	15.79
		bmh-MB	43.22%	6.83	0%	0.00	56.70%	8.95	15.78	
			43.22%	6.83	0%	0.00	56.78%	8.97		
	Santa María Visitación	bh-MB	4.41%	0.89			87.18%	17.62	18.52	20.22
		bmh-MB	0.00%					1.02	1.02	
		bmh-S(c)	0.00%					0.68	0.68	
			4.41%	0.89	0%	0.00	87.18%	19.32		

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			%	KM ²	%	KM ²	%	KM ²		
	Santa Lucía Utatlán	bmh-M	0.71%	0.36	0%		0.65%	0.33	0.70	51.07
		bmh-MB	37.06%	18.92	0%		61.58%	31.45	50.37	
			37.77%	19.29	0%	0.00	62.23%	31.78		
	Nahualá	bh-MB	1.31%	2.44	0%		7.69%	14.33	16.77	186.22
		bmh-M	3.41%	6.35				7.10	13.45	
		bmh-MB	29.99%	55.84				64.57	120.41	
		bmh-S(c)	16.59%	30.90				4.69	35.59	
	Santa Catarina Ixtahuacán		51.30%	95.52	0%	0.00	7.69%	90.70		189.77
		bh-MB	10.81%	20.51	0%		20.99%	39.83	60.34	
		bmh-MB	15.60%	29.60			16.40%	31.13	60.72	
		bmh-S(c)	28.03%	53.20			8.17%	15.51	68.70	
	Santa Clara La Laguna		54.44%	103.30	0%	0.00	45.56%	86.47		14.90
		bh-MB	23.37%	3.48	0%		39.34%	5.86	9.34	
		bmh-MB	4.46%	0.66	0%		32.83%	4.89	5.56	
	Concepción		27.83%	4.15	0%	0.00	72.17%	10.75		14.98
		bh-MB	22.86%	3.44	0%		62.46%	9.35	12.79	
		bmh-MB	5.73%	0.86	0%		8.85%	1.32	2.18	
	San Andrés Semetabaj		28.70%	4.30	0%	0.00	71.30%	10.68		52.98
		bh-MB	25.14%	13.32	0%		62.81%	33.27	46.59	
		bmh-MB	3.85%	2.04	0%		8.20%	4.34	6.38	
	Panajachel		28.99%	15.36	0%	0.00	71.01%	37.62		7.73
		bh-MB	39.28%	3.03	0%	0.00	60.72%	4.69	7.73	
			39.28%	3.03	0%	0.00	60.72%	4.69		
	Santa Catarina Palopó	bh-MB	26.22%	3.65			56.08%	7.81	11.45	13.92
		bmh-MB	8.33%	1.16			9.37%	1.30	2.46	
			34.55%	4.81	0%	0.00	65.45%	9.11		
	San Antonio Palopó	bh-MB	38.64%	38.57	0%		22.56%	22.52	61.09	99.81
		bmh-MB	1.46%	1.45			8.18%	8.17	9.62	
		bmh-S(c)	21.01%	20.97			8.15%	8.13	29.11	
			61.11%	60.99	0%	0.00	38.89%	38.82		
	Santa Cruz La Laguna	bh-MB	0.79%	0.09			63.18%	7.12	7.21	11.27
		bmh-MB	0.75%	0.08			35.28%	3.98	4.06	
			1.54%	0.17	0%	0.00	98.46%	11.10	11.27	
	San Pablo La Laguna	bh-MB	45.62%	2.80	0%		29.44%	1.81	4.60	6.14
		bmh-MB	0.98%	0.06			23.97%	1.47	1.53	
			46.60%	2.86	0%	0.00	53.40%	3.28		
	San Juan La Laguna	bh-MB	63.75%	23.70	0%		24.86%	9.24	32.94	37.18
		bmh-S(c)	6.62%	2.46			4.78%	1.78	4.24	
			70.36%	26.16	0%	0.00	29.64%	11.02		

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			%	KM ²	%	KM ²	%	KM ²		
	Santa Lucía Utatlán	bmh-M	0.71%	0.36	0%		0.65%	0.33	0.70	51.07
		bmh-MB	37.06%	18.92	0%		61.58%	31.45	50.37	
			37.77%	19.29	0%	0.00	62.23%	31.78		
	Nahualá	bh-MB	1.31%	2.44	0%		7.69%	14.33	16.77	186.22
		bmh-M	3.41%	6.35				7.10	13.45	
		bmh-MB	29.99%	55.84				64.57	120.41	
		bmh-S(c)	16.59%	30.90				4.69	35.59	
	Santa Catarina Ixtahuacán		51.30%	95.52	0%	0.00	7.69%	90.70		189.77
		bh-MB	10.81%	20.51	0%		20.99%	39.83	60.34	
		bmh-MB	15.80%	29.60			16.40%	31.13	60.72	
		bmh-S(c)	28.03%	53.20			8.17%	15.51	68.70	
	Santa Clara La Laguna		54.44%	103.30	0%	0.00	45.56%	86.47		14.90
		bh-MB	23.37%	3.48	0%		39.34%	5.86	9.34	
		bmh-MB	4.46%	0.66	0%		32.83%	4.89	5.56	
	Concepción		27.83%	4.15	0%	0.00	72.17%	10.75		14.98
		bh-MB	22.96%	3.44	0%		62.46%	9.35	12.79	
		bmh-MB	5.73%	0.86	0%		8.85%	1.32	2.18	
	San Andrés Semetabaj		28.70%	4.30	0%	0.00	71.30%	10.68		52.98
		bh-MB	25.14%	13.32	0%		62.81%	33.27	46.59	
		bmh-MB	3.85%	2.04	0%		8.20%	4.34	6.38	
	Panajachel		28.99%	15.36	0%	0.00	71.01%	37.62		7.73
		bh-MB	39.28%	3.03	0%	0.00	60.72%	4.69	7.73	
			39.28%	3.03	0%	0.00	60.72%	4.69		
	Santa Catarina Palopó	bh-MB	26.22%	3.65			56.08%	7.81	11.45	13.92
		bmh-MB	8.33%	1.16			9.37%	1.30	2.46	
			34.55%	4.81	0%	0.00	65.45%	9.11		
	San Antonio Palopó	bh-MB	38.64%	38.57	0%		22.56%	22.52	61.09	99.81
		bmh-MB	1.46%	1.45			8.18%	8.17	9.62	
		bmh-S(c)	21.01%	20.97			8.15%	8.13	29.11	
			61.11%	60.99	0%	0.00	38.89%	38.82		
	Santa Cruz La Laguna	bh-MB	0.79%	0.09			63.18%	7.12	7.21	11.27
		bmh-MB	0.75%	0.08			35.28%	3.98	4.06	
			1.54%	0.17	0%	0.00	98.46%	11.10	11.27	
	San Pablo La Laguna	bh-MB	45.62%	2.80	0%		29.44%	1.81	4.60	6.14
		bmh-MB	0.98%	0.06			23.97%	1.47	1.53	
			46.60%	2.86	0%	0.00	53.40%	3.28		
	San Juan La Laguna	bh-MB	63.75%	23.70	0%		24.86%	9.24	32.94	37.18
		bmh-S(c)	6.62%	2.46			4.78%	1.78	4.24	
			70.36%	26.16	0%	0.00	29.64%	11.02		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
Totoncapán	San Pedro La Laguna	bh-MB	44.83%	74.68	0%		20.73%	34.53	109.22	166.59
		bmh-MB	1.61%	2.67			8.57%	14.27	16.94	
		bmh-S(c)	6.46%	10.76			17.81%	29.67	40.43	
			52.90%	88.12	0%	0.00	47.10%	78.47		
	Totoncapán	bh-MB	3.68%	9.00	0%		12.55%	30.69	39.70	244.53
		bmh-M	7.16%	17.51			31.84%	77.86	95.37	
		bmh-MB	19.90%	48.66			24.87%	60.81	109.47	
			30.74%	75.18	0%	0.00	69.26%	169.36	244.53	
	San Cristóbal Totoncapán	bh-MB	22.43%	9.93	0.00%		18.91%	8.37	18.30	44.26
		bmh-MB	21.64%	9.58			37.02%	16.39	25.96	
			44.07%	19.51	0.00%	0.00	55.93%	24.76		
	San Francisco El Alto	bh-MB	3.88%	2.82			3.87%	2.81	5.63	72.64
		bmh-MB	15.83%	11.50				55.51	67.01	
			19.71%	14.32	0.00%	0.00	3.87%	58.32	72.64	
	San Andrés Xecul	bh-MB	8.99%	1.48			6.96%	1.15	2.63	16.49
		bmh-MB	22.40%	3.69			61.65%	10.17	13.86	
			31.39%	5.18	0.00%		68.61%	11.31	16.49	
	Momostenango	bh-MB	15.72%	56.47			47.65%	171.16	227.64	359.21
		bh-S(t)	0.00%				0.15%	0.54	0.54	
		bmh-MB	13.02%	46.77			23.46%	84.26	131.03	
			28.74%	103.24	0.00%	0.00	71.26%	255.96		
	Santa María Chiquimula	bh-MB	7.35%	17.45			57.56%	136.70	154.15	237.50
		bmh-MB	0.28%	0.66			34.82%	82.70	83.35	
			7.62%	18.11	0.00%	0.00	92.38%	219.40		
	Santa Lucía La Reforma	bh-MB	26.78%	12.16	0.00%		73.22%	33.25	45.41	45.41
			26.78%	12.16	0.00%	0.00	73.22%	33.25		
	San Bartolo Aguas Calientes	bh-MB	8.49%	4.78			90.41%	50.92	55.70	56.32
		bmh-MB	0.00%				1.10%	0.62	0.62	
			8.49%	4.78	0.00%	0.00	91.51%	51.54		
Quetzaltenango	Quetzaltenango	bh-MB	16.92%	21.46			41.88%	53.12	74.58	126.83
		bmh-MB	22.66%	28.74			18.54%	23.51	52.25	
			39.58%	50.20	0.00%	0.00	60.42%	76.63		
	Salcajá	bh-MB	18.91%	3.19			81.09%	13.69	16.88	16.88
			18.91%	3.19	0.00%	0.00	81.09%	13.69		
	Olintepeque	bh-MB	11.43%	3.68			38.51%	12.39	16.07	32.18
		bmh-MB	29.06%	9.35			21.01%	6.76	16.11	
			40.48%	13.03	0.00%	0.00	59.52%	19.15		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ²	Total Km ²
			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	San Carlos Sija	bh-MB	3.19%	7.24			35.07%	79.45	86.68	226.54
		bmh-MB	32.19%	72.93			29.54%	66.93	139.85	
			35.39%	80.16	0.00%	0.00	64.61%	146.38		
	Sibilla	bmh-MB	27.66%	11.36			72.34%	29.71	41.07	41.07
			27.66%	11.36	0.00%	0.00	72.34%	29.71		
	Cabricán	bh-MB	18.71%	15.66			29.59%	24.75	40.41	83.66
		bmh-MB	23.58%	19.73			28.12%	23.53	43.25	
			42.29%	35.38	0.00%	0.00	57.71%	48.28		
	Cajolá	bh-MB	0.00%				10.01%	2.05	2.05	20.53
		bmh-MB	1.05%	0.22			88.94%	18.26	18.47	
			1.05%	0.22	0.00%	0.00	98.95%	20.31		
	San Miguel Sigüilá	bh-MB	0.27%	0.05			54.49%	9.33	9.38	17.13
		bmh-MB	0.00%				45.24%	7.75	7.75	
			0.27%	0.05	0.00%	0.00	99.73%	17.08		
	San Juan Ostuncalco	bh-MB	2.21%	2.41			5.52%	6.01	8.43	109.00
		bmh-M	0.02%	0.02			9.62%	10.49	10.51	
		bmh-MB	5.86%	6.39			66.90%	72.92	79.31	
		bmh-S(c)	1.20%	1.31			8.67%	9.45	10.76	
			9.29%	10.13	0.00%	0.00	90.71%	98.87		
	San Mateo	bh-MB	4.38%	0.47			18.78%	2.03	2.51	10.82
		bmh-MB	22.02%	2.38			54.81%	5.93	8.32	
			26.41%	2.86	0.00%	0.00	73.59%	7.96		
	Concepción Chiquirichapa	bh-MB	0.13%	0.03			0.20%	0.04	0.07	21.89
		bmh-M	11.53%	2.52			3.80%	0.83	3.36	
		bmh-MB	48.60%	10.64			35.73%	7.82	18.46	
			60.26%	13.19	0.00%	0.00	39.74%	8.70		
	San Martín Sacatepéquez	bmh-M	0.49%	0.71			2.33%	3.34	4.05	143.76
		bmh-MB	38.17%	54.87			47.39%	68.13	123.01	
		bmh-S(c)	5.02%	7.22			6.60%	9.49	16.71	
			43.68%	62.80	0.00%	0.00	56.32%	80.96		
	Aimolonga	bh-MB	30.99%	3.89			62.48%	7.84	11.73	12.55
		bmh-MB	1.99%	0.25			4.55%	0.57	0.82	
			32.97%	4.14	0.00%	0.00	67.03%	8.41		
	Cantel	bh-MB	4.48%	2.23			68.23%	33.94	36.17	49.74
		bmh-MB	0.00%	0.00			27.29%	13.57	13.57	
			4.48%	2.23	0.00%	0.00	95.52%	47.51		
	Huitán	bh-MB	0.63%	0.23			0.00%		0.23	36.34
		bmh-MB	79.26%	28.80			20.11%	7.31	36.11	
			79.89%	29.03	0.00%	0.00	20.11%	7.31		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
	Zunil	bh-MB	30.74%	23.81			21.52%	16.67	40.49	77.46
		bmh-MB	11.37%	8.80			28.67%	22.21	31.01	
		bmh-S(c)	4.34%	3.36			3.36%	2.60	5.97	
			46.45%	35.98	0.00%	0.00	53.55%	41.48		
	Colomba	bmh-MB	0.02%	0.05			5.20%	10.69	10.74	205.68
		bmh-S(c)	73.32%	150.80			21.46%	44.14	194.94	
			73.34%	150.85	0.00%	0.00	26.66%	54.83		
	San Francisco la Unión	bmh-MB	31.26%	5.28			68.74%	11.61	16.89	16.89
			31.26%	5.28	0.00%	0.00	68.74%	11.61		
	El Palmar	bmh-MB	8.27%	14.54			17.51%	30.79	45.33	175.88
		bmh-S(c)	61.99%	109.03			12.24%	21.53	130.55	
			70.26%	123.57	0.00%	0.00	29.74%	52.31		
	Coatepeque	bh-S(c)	0.64%	2.68			4.56%	19.07	21.75	418.65
		bmh-S(c)	39.81%	166.66			54.99%	230.23	396.90	
			40.45%	169.34	0.00%	0.00	59.55%	249.31		
	Génova	bmh-S(c)	48.57%	81.74			51.43%	86.54	168.29	168.29
			48.57%	81.74	0.00%	0.00	51.43%	86.54		
	Flores Costa Cuca	bmh-S(c)	82.89%	60.05			17.11%	12.40	72.44	72.44
			82.89%	60.05	0.00%	0.00	17.11%	12.40		
	La Esperanza	bh-MB	7.60%	0.93			85.17%	10.43	11.36	12.25
		bmh-MB	0.00%				7.23%	0.89	0.89	
			7.60%	0.93	0.00%	0.00	92.40%	11.32		
	Palestina de los Altos	bmh-MB	2.37%	0.85			97.63%	35.17	36.02	36.02
			2.37%	0.85	0.00%	0.00	97.63%	35.17		
Suchitupéquez	Mazatenango	bmh-S(c)	6.18%	4.03			93.82%	61.22	65.24	65.24
			6.18%	4.03	0.00%	0.00	93.82%	61.22		
	Cuyotenango	bh-S(c)	6.94%	33.36			51.14%	246.03	279.39	481.07
		bmh-S(c)	3.45%	16.60			30.69%	147.66	164.25	
		bs-S	3.78%	18.20			4.00%	19.22	37.43	
			14.17%	68.16	0.00%	0.00	85.83%	412.91		
	San Francisco Zapotitlán	bh-MB	0.24%	0.12			7.36%	3.60	3.72	48.90
		bmh-MB	0.07%	0.03			0.94%	0.46	0.49	
		bmh-S(c)	32.88%	16.08			58.51%	28.61	44.69	
			33.19%	16.23	0.00%	0.00	66.81%	32.67		
	San Bernardino	bmh-S(c)	0.00%	0.00			100.00%	14.32	14.32	14.32
			0.00%	0.00	0.00%	0.00	100.00%	14.32		
	San José El Idolo	bmh-S(c)	28.07%	38.66			71.93%	99.08	137.74	137.74
			28.07%	38.66	0.00%	0.00	71.93%	99.08		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
Oaxaca	Santo Domingo Suchtepúquez	bh-S(c)	3.33%	7.86			27.95%	65.99	73.85	236.10
		bmh-S(c)	0.37%	0.87			62.84%	148.36	149.23	
		bs-S	0.45%	1.07			5.06%	11.95	13.01	
			4.15%	9.79	0.00%	0.00	95.85%	226.30		
	San Lorenzo	bs-S	7.60%	21.56			56.08%	159.17	180.74	283.84
		bh-S(c)	1.56%	4.41			22.10%	62.73	67.14	
		bmh-S(c)	8.59%	24.39			4.08%	11.57	35.96	
			17.74%	50.37	0.00%	0.00	82.26%	233.47		
	Samayac	bmh-S(c)	20.11%	5.19			79.89%	20.63	25.83	25.83
			20.11%	5.19	0.00%	0.00	79.89%	20.63		
	San Pablo Jocopilas	bmh-S(c)	19.60%	5.12			80.40%	21.00	26.12	26.12
			19.60%	5.12	0.00%	0.00	80.40%	21.00		
	San Antonio Suchtepúquez	bmh-S(c)	42.19%	31.65			57.81%	43.37	75.02	75.02
			42.19%	31.65	0.00%	0.00	57.81%	43.37		
	San Miguel Panam	bmh-S(c)	92.05%	26.51			7.95%	2.29	28.80	28.80
			92.05%	26.51	0.00%	0.00	7.95%	2.29		
	San Gabriel	bmh-S(c)	0.00%	0.00	0.00%	0.00	100.00%	6.60	6.60	6.60
			0.00%	0.00	0.00%	0.00	100.00%	6.60		
Chiapas	Chicacao	bh-MB	0.00%				0.52%	1.09	1.09	211.03
		bmh-S(c)	77.27%	163.07			22.21%	46.87	209.94	
			77.27%	163.07	0.00%	0.00	22.73%	47.96		
	Patulul	bh-MB	0.06%	0.21			1.96%	6.75	6.96	344.11
		bmh-MB	0.16%	0.55			0.04%	0.15	0.70	
		bmh-S(c)	49.03%	168.71			48.75%	167.74	336.45	
			49.25%	169.47	0.00%	0.00	50.75%	174.64		
	Santa Barbara	bh-MB	0.10%	0.17			3.87%	6.86	7.04	177.08
		bmh-MB	0.25%	0.45			0.47%	0.83	1.28	
		bmh-S(c)	47.47%	84.05			47.84%	84.71	168.77	
			47.82%	84.68	0.00%	0.00	52.18%	92.40		
	San Juan Bautista	bmh-S(c)	67.05%	19.71			32.95%	9.68	29.39	29.39
			67.05%	19.71	0.00%	0.00	32.95%	9.68		
	Santo Tomas La Unión	bmh-S(c)	5.84%	0.73			94.16%	11.75	12.48	12.48
			5.84%	0.73	0.00%	0.00	94.16%	11.75		
	Zunilito	bmh-S(c)	97.58%	12.77			2.42%	0.32	13.09	13.09
			97.58%	12.77	0.00%	0.00	2.42%	0.32		
	Pueblo Nuevo	bh-MB	0.00%				13.00%	2.41	2.41	18.52
		bmh-MB	0.00%				0.92%	0.17	0.17	
		bmh-S(c)	76.93%	14.24			9.15%	1.69	15.94	
			76.93%	14.24	0.00%	0.00	23.07%	4.27		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
	Rio Bravo	bmh-S(c)	45.23%	71.58			54.77%	86.68	158.26	158.26
			45.23%	71.58	0.00%	0.00	54.77%	86.68		
Retalhuleu	Retalhuleu	bh-S(c)	13.82%	111.66			42.37%	342.39	454.05	808.17
		bmh-S(c)	2.24%	18.08			36.40%	294.15	312.23	
		bs-S	2.47%	19.94			2.72%	21.96	41.90	
			18.52%	149.68	0.00%	0.00	81.48%	658.49		
	San Sebastián.	bmh-S(c)	16.43%	2.91			83.57%	14.80	17.71	17.71
			16.43%	2.91	0.00%	0.00	83.57%	14.80		
	Santa Cruz Muluá	bh-S(c) bmh-S(c)	8.95%	11.47			10.75%	13.78	25.25	128.20
			16.23%	20.80			64.08%	82.15	102.95	
			25.17%	32.27	0.00%	0.00	74.83%	95.93		
	San Martín Zapotitlán.	bmh-S(c)	15.07%	1.42			84.93%	7.98	9.39	9.39
			15.07%	1.42	0.00%	0.00	84.93%	7.98	9.39	
	San Felipe Retalhuleu	bmh-S(c)	80.02%	29.30			19.98%	7.32	36.61	36.61
			80.02%	29.30	0.00%	0.00	19.98%	7.32		
	San Andrés Villa Seca	bh-S(c) bmh-S(c)	0.52%	0.99			9.23%	17.72	18.71	191.97
			3.15%	6.05			87.10%	167.21	173.26	
			3.67%	7.04	0.00%	0.00	96.33%	184.93		
	Champerico	bh-S(c) bs-S	14.63%	47.97			65.70%	215.46	263.42	327.93
			12.10%	39.69			7.57%	24.82	64.51	
			26.73%	87.65	0.00%	0.00	73.27%	240.28		
	Nuevo San Carlos	bmh-S(c)	84.51%	73.12			15.49%	13.40	86.52	86.52
			84.51%	73.12	0.00%	0.00	15.49%	13.40		
	El Asintal	bmh-S(c)	58.23%	54.52			41.77%	39.11	93.63	93.63
			58.23%	54.52	0.00%	0.00	41.77%	39.11		
San Marcos	San Marcos	bmh-M	23.86%	28.76			5.16%	6.22	34.98	120.54
		bmh-MB	18.09%	21.81			52.46%	63.23	85.04	
		bmh-S(c)	0.36%	0.44			0.07%	0.086	0.52	
			42.31%	51.00	0.00%	0.00	57.69%	69.46		
	San Pedro Sacatepéquez	bmh-M	8.18%	6.33			5.68%	4.39	10.72	77.37
		bmh-MB	29.34%	22.70			56.80%	43.95	66.65	
			37.52%	29.03	0.00%	0.00	62.48%	48.34		
	San Antonio Sacatepéquez	bmh-MB	11.76%	5.56			88.24%	41.75	47.31	47.31
			11.76%	5.56	0.00%	0.00	88.24%	41.75		
	Comitancillo	bh-MB bmh-MB	38.13%	51.39			9.02%	12.15	63.54	134.79
			52.07%	70.18			0.79%	1.07	71.24	
			90.19%	121.57	0.00%	0.00	9.81%	13.22		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ²	Total Km ²
			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	San Miguel Ixtahuacán	bh-MB	2.48%	4.86			77.54%	152.10	156.97	196.17
		bmh-MB	6.89%	13.52			13.09%	25.68	39.20	
			9.37%	18.38	0.00%	0.00	90.63%	177.79		
	Concepción Tutuapa	bh-MB	5.35%	11.98			38.84%	87.05	99.03	224.14
		bmh-M	3.33%	7.46			1.03%	2.32	9.78	
		bmh-MB	20.09%	45.02			31.37%	70.31	115.33	
			28.76%	64.46	0.00%	0.00	71.24%	159.67		
	Tacanán	bh-MB	9.39%	33.98			17.85%	64.62	98.61	361.94
		bh-S(t)	4.13%	14.93			0.20%	0.71	15.65	
		bmh-M	10.57%	38.27			2.13%	7.72	45.99	
		bmh-MB	43.90%	158.89			11.83%	42.81	201.70	
			67.99%	246.08	0.00%	0.00	32.01%	115.86		
	Sibinal	bmh-M	23.49%	21.31			6.73%	6.10	27.41	90.72
		bmh-MB	64.15%	58.19			2.57%	2.33	60.52	
		bmh-S(c)	2.57%	2.33			0.50%	0.45	2.78	
			90.21%	81.83	0.00%	0.00	9.79%	8.88		
	Tajumulco	bmh-M	9.79%	24.60			2.39%	6.02	30.62	251.39
		bmh-MB	55.92%	140.58			14.35%	36.08	176.65	
		bmh-S(c)	15.81%	39.74			1.74%	4.39	44.12	
			81.51%	204.91	0.00%	0.00	18.49%	46.48		
	Tejuita	bh-MB	16.84%	24.08			6.08%	8.70	32.78	143.00
		bmh-M	12.28%	17.56			3.20%	4.58	22.14	
		bmh-MB	50.68%	72.48			10.92%	15.61	88.09	
			79.80%	114.11	0.00%	0.00	20.20%	28.89		
	San Rafael Pie de la Cuesta	bmh-MB	8.02%	3.63			6.04%	2.73	6.36	45.20
		bmh-S(c)	69.35%	31.35			16.59%	7.50	38.85	
			77.37%	34.97	0.00%	0.00	22.63%	10.23		
	Nuevo Progreso	bmh-MB	6.08%	8.54			10.34%	14.52	23.06	140.41
		bmh-S(c)	82.07%	115.23			1.51%	2.12	117.35	
			88.15%	123.77	0.00%	0.00	11.85%	16.64		
	El Tumbador	bmh-MB	0.00%				13.47%	22.32	22.32	165.70
		bmh-S(c)	78.02%	129.28			8.51%	14.10	143.38	
			78.02%	129.28	0.00%	0.00	21.98%	36.42		
	El Rodeo	bmh-S(c)	97.32%	50.32			2.68%	1.39	51.71	51.71
			97.32%	50.32	0.00%	0.00	2.68%	1.39		
	Malacatán	bmh-S(c)	47.48%	100.89			52.52%	111.61	212.49	212.49
			47.48%	100.89	0.00%	0.00	52.52%	111.61		
	Catarina	bmh-S(c)	51.08%	41.59			48.92%	39.82	81.41	81.41
			51.08%	41.59	0.00%	0.00	48.92%	39.82		



AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
	Ayutla	bh-S(c)	0.00%				15.45%	18.34	18.34	118.66
		bmh-S(c)	0.04%	0.05			84.50%	100.27	100.32	
			0.04%	0.05	0.00%	0.00	99.96%	118.61		
	Ocosingo	bh-S(c)	26.49%	40.21			63.47%	96.33	136.54	151.77
		bmh-S(c)	0.00%	0.00			0.08%	0.12	0.13	
		bs-S	2.86%	4.34			7.10%	10.77	15.11	
			29.35%	44.55	0.00%	0.00	70.65%	107.22		
	San Pablo	bmh-M	3.66%	5.09			4.38%	6.10	11.19	139.24
		bmh-MB	5.79%	8.06			19.38%	26.99	35.05	
		bmh-S(c)	38.70%	53.88			28.09%	39.12	92.99	
			48.14%	67.03	0.00%	0.00	51.86%	72.21		
	El Quetzal	bmh-MB	10.83%	9.48			0.95%	0.83	10.31	87.47
		bmh-S(c)	81.87%	71.61			6.35%	5.55	77.16	
			92.70%	81.08	0.00%	0.00	7.30%	6.38		
	La Reforma	bmh-MB	20.31%	15.05			15.29%	11.33	26.38	74.12
		bmh-S(c)	62.82%	46.56			1.59%	1.18	47.74	
			83.13%	61.62	0.00%	0.00	16.87%	12.51		
	Pajapita	bh-S(c)	0.00%				0.63%	0.82	0.82	131.12
		bmh-S(c)	67.40%	88.38			31.97%	41.92	130.30	
			67.40%	88.38	0.00%	0.00	32.60%	42.74		
	Ixchiguan	bmh-M	51.43%	53.71			3.02%	3.16	56.87	104.43
		bmh-MB	40.68%	42.49			4.86%	5.08	47.57	
			92.11%	96.20	0.00%	0.00	7.89%	8.24		
	San JosÚ Ojetenam	bh-MB	10.22%	8.03			9.19%	7.22	15.25	78.61
		bmh-M	44.03%	34.62			0.03%	0.02	34.64	
		bmh-MB	32.26%	25.36			4.28%	3.36	28.72	
			86.51%	68.01	0.00%	0.00	13.49%	10.61		
	San Cristobal Cucho	bmh-MB	49.23%	14.62			40.71%	12.09	26.72	29.71
		bmh-S(c)	3.59%	1.07			6.46%	1.92	2.99	
			52.83%	15.69	0.00%	0.00	47.17%	14.01		
	Sipacapa	bh-MB	32.61%	49.37			51.96%	78.67	128.04	151.42
		bmh-MB	12.25%	18.55			3.19%	4.83	23.38	
			44.86%	67.92	0.00%	0.00	55.14%	83.50		
	Esquipulas Palo Gordo	bmh-MB	20.13%	10.17			79.87%	40.35	50.52	50.52
			20.13%	10.17	0.00%	0.00	79.87%	40.35		
	Rio Blanco	bh-MB	24.88%	7.76			9.17%	2.86	10.62	31.19
		bmh-MB	43.28%	13.50			22.67%	7.07	20.57	
			68.16%	21.26	0.00%	0.00	31.84%	9.93		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km²	Total Km²
			%	KM²	%	KM²	%	KM²	por Zona Vida	por Municipio
	San Lorenzo	bmh-MB	63.41%	28.42			36.59%	16.40	44.83	44.83
			63.41%	28.42	0.00%	0.00	36.59%	16.40		
Huehuetenango	Huehuetenango	bh-MB	31.35%	59.41			65.88%	124.87	184.28	189.53
		bh-S(t)	0.45%	0.84			2.17%	4.11	4.95	
		bmh-MB	0.16%	0.30			0.00%	0.00	0.30	
			31.95%	60.56	0.00%	0.00	68.05%	128.97		
	Chiantla	bh-M	15.67%	85.49			0.44%	2.40	87.88	545.67
		bh-MB	8.91%	48.61			5.04%	27.49	76.09	
		bmh-M	25.48%	139.04			12.42%	67.78	206.83	
		bmh-MB	21.68%	118.29			9.97%	54.39	172.68	
		bmh-S(c)	0.10%	0.55			0.30%	1.63	2.18	
			71.83%	391.97	0.00%	0.00	28.17%	153.70		
	Malacatancito	bh-MB	12.32%	50.74			87.68%	361.21	411.95	411.95
			12.32%	50.74	0.00%	0.00	87.68%	361.21		
	Cuilco	bh-MB	29.18%	129.19			30.20%	133.69	262.87	442.71
		bh-S(t)	9.44%	41.80			3.03%	13.43	55.23	
		bmh-M	1.69%	7.50			8.81%	38.99	46.49	
		bmh-MB	5.55%	24.58			12.09%	53.53	78.11	
			45.87%	203.07	0.00%	0.00	54.13%	239.64		
	Nentón	bh-MB	2.27%	17.26			20.31%	154.21	171.47	759.16
		bh-S(t)	10.98%	83.38			20.57%	156.13	239.51	
		bmh-M	0.00%				0.17%	1.31	1.31	
		bmh-MB	0.68%	5.14			9.37%	71.11	76.25	
		bmh-S(c)	0.00%				13.76%	104.44	104.44	
		bs-S	5.10%	38.69			16.79%	127.49	166.18	
			19.03%	144.47	0.00%	0.00	80.97%	614.69		
	San Pedro Necta	bh-MB	71.92%	83.56			6.78%	7.88	91.44	116.18
		bh-S(t)	21.30%	24.74			0.00%	0.00	24.74	
			93.22%	108.30	0.00%	0.00	6.78%	7.88		
	Jacaltenango	bh-MB	2.83%	4.70			21.64%	35.94	40.64	166.11
		bh-S(t)	12.12%	20.14			22.65%	37.62	57.76	
		bs-S	12.20%	20.26			28.56%	47.45	67.71	
			27.15%	45.10	0.00%	0.00	72.85%	121.01		
	Soloma	bh-MB	3.28%	4.17			11.12%	14.15	18.32	127.22
		bmh-MB	32.91%	41.87			49.84%	63.41	105.28	
		bmh-S(c)	0.14%	0.18			2.71%	3.44	3.63	
			36.33%	46.22	0.00%	0.00	63.67%	81.00		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ² por Zona Vida	Total Km ² por Municipio
			%	KM ²	%	KM ²	%	KM ²		
	San Idelfonso Ixtahuacán	bh-MB	38.31%	91.89			31.19%	74.81	166.71	239.86
		bh-S(t)	22.68%	54.39			2.71%	6.50	60.89	
		bmh-MB	3.91%	9.37			1.21%	2.89	12.26	
			64.89%	155.65	0.00%	0.00	35.11%	84.21		
	Santa Bárbara	bh-MB	0.00%				100.00%	149.45	149.45	149.45
			0.00%	0.00	0.00%	0.00	100.00%	149.45	149.45	
	La Libertad	bh-MB	42.43%	40.58			17.10%	16.36	56.94	95.66
		bh-S(t)	32.21%	30.82			3.11%	2.98	33.79	
		bmh-MB	3.90%	3.73			1.25%	1.19	4.92	
			78.54%	75.13	0.00%	0.00	21.46%	20.53	95.66	
	La Democracia	bh-MB	10.79%	26.01			0.06%	0.15	26.17	241.02
		bh-MB	48.11%	115.96			17.59%	42.40	158.36	
		bs-S	18.95%	45.66			4.49%	10.83	56.49	
			77.85%	187.64	0.00%	0.00	22.15%	53.38		
	San Rafael la Independencia	bh-MB	29.17%	14.94			2.08%	1.07	16.01	51.23
		bmh-M	4.56%	2.34			2.25%	1.15	3.49	
		bmh-MB	43.55%	22.31			18.39%	9.42	31.73	
			77.28%	39.59	0.00%	0.00	22.72%	11.64		
	Todos Santos Cuchumatán	bh-MB	18.95%	50.59			5.48%	14.63	65.22	266.96
		bmh-M	26.33%	70.29			26.36%	70.37	140.66	
		bmh-MB	11.16%	29.79			11.72%	31.29	61.08	
			56.44%	150.66	0.00%	0.00	43.56%	116.29		
	San Juan Atitlán	bh-MB	10.35%	7.88			17.48%	13.30	21.17	76.09
		bmh-M	10.07%	7.66			9.56%	7.27	14.93	
		bmh-MB	28.76%	21.88			23.79%	18.10	39.98	
			49.18%	37.42	0.00%	0.00	50.82%	38.67		
	Santa Eulalia	bh-MB	3.80%	13.68			3.10%	11.19	24.87	360.35
		bmh-M	1.32%	4.77			7.67%	27.65	32.43	
		bmh-MB	14.29%	51.48			11.30%	40.71	92.20	
		bmh-S(c)	31.89%	114.90			26.63%	95.96	210.86	
			51.29%	184.83	0.00%	0.00	48.71%	175.51		
	San Mateo Ixtatán	bmh-M	0.25%	0.91			10.90%	39.28	40.19	547.78
		bmh-MB	6.47%	23.30			94.04%	338.87	362.17	
		bmh-S(c)	0.80%	2.89			39.55%	142.53	145.42	
			7.52%	27.10	0.00%	0.00	144.49%	520.68		
	Colotenango	bh-MB	58.56%	37.07			27.19%	17.21	54.28	63.30
		bh-S(t)	6.76%	4.28			0.26%	0.16	4.44	
		bmh-MB	5.73%	3.63			1.50%	0.95	4.58	
			71.05%	44.97	0.00%	0.00	28.95%	18.33		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ²	Total Km ²
			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	San Sebastián Huehuetenango	bh-MB	0.00%				45.36%	49.06	49.06	108.14
		bmh-M	20.35%	22.01			24.50%	26.49	48.50	
		bmh-MB	8.91%	9.64			0.88%	0.95	10.59	
			29.27%	31.65	0.00%	0.00	70.73%	76.49	108.14	
	Tectitán	bh-MB	20.59%	42.03			45.75%	93.37	135.40	204.12
		bmh-S(f)	18.32%	37.39			12.89%	26.32	63.70	
		bmh-MB	0.42%	0.85			2.04%	4.16	5.02	
			39.32%	80.27	0.00%	0.00	60.68%	123.85	204.12	
	Concepción Huista	bh-MB	44.12%	50.73			25.62%	29.45	80.19	114.99
		bh-S(t)	6.82%	7.85			0.07%	0.08	7.92	
		bmh-MB	6.76%	7.77			16.62%	19.11	26.88	
			57.70%	66.35	0.00%	0.00	42.30%	48.64		
	San Juan Ixcay	bh-MB	20.56%	37.69			23.02%	42.20	79.88	183.27
		bmh-M	0.00%				0.08%	0.15	0.15	
		bmh-MB	17.42%	31.93			35.26%	64.62	96.55	
		bmh-S(c)	2.30%	4.22			1.35%	2.47	6.69	
			40.29%	73.83	0.00%	0.00	59.71%	109.44		
	San Antonio Huista	bh-MB	10.61%	12.04			0.03%	0.04	12.08	113.44
		bh-S(t)	71.59%	81.22			3.04%	3.45	84.67	
		bs-S	13.29%	15.07			1.43%	1.62	16.69	
			95.50%	108.33	0.00%	0.00	4.50%	5.11		
	San Sebastián Coatán	bh-MB	33.36%	56.95			18.83%	32.14	89.10	170.71
		bh-S(t)	6.11%	10.43			10.78%	18.40	28.84	
		bmh-M	3.13%	5.35			15.06%	25.72	31.06	
		bmh-MB	9.20%	15.70			3.52%	6.02	21.72	
			51.80%	88.44	0.00%	0.00	48.20%	82.28		
	Barillas	bmh-MB	0.79%	7.06			4.39%	39.02	46.08	889.92
		bmh-S(c)	22.73%	202.29			72.09%	641.55	843.84	
			23.52%	209.34	0.00%	0.00	76.48%	680.58		
	Aguacatán	bh-MB	20.02%	49.60			19.51%	48.34	97.93	247.81
		bh-S(t)	2.42%	6.00			7.40%	18.34	24.35	
		bmh-M	10.31%	25.55			5.31%	13.17	38.72	
		bmh-MB	23.37%	57.90			10.52%	26.07	83.97	
		bs-S	0.51%	1.26			0.64%	1.58	2.84	
			56.62%	140.31	0.00%	0.00	43.38%	107.49	247.81	
	San Rafael Prétzal	bh-MB	11.86%	4.29			68.11%	24.67	28.96	36.22
		bmh-MB	1.10%	0.40			18.93%	6.86	7.25	
			12.96%	4.69	0.00%	0.00	87.04%	31.52		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ²	Total Km ²
			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	San Gaspar Ixchil	bh-MB bh-S(t)	18.11%	5.04			55.92%	15.55	20.58	27.80
			11.36%	3.16			14.61%	4.06	7.22	
			29.47%	8.19	0.00%	0.00	70.53%	19.61		
	Santiago Chimaltenango	bh-MB bh-S(t) bmh-MB	81.94%	70.85			5.32%	4.60	75.45	86.46
			3.14%	2.71			0.00%		2.71	
			9.02%	7.80			0.57%	0.50	8.30	
			94.10%	81.36	0.00%	0.00	5.90%	5.10	86.46	
	Santa Ana Huista	bh-MB bh-S(t) bmh-MB bs-S	10.61%	32.55			19.83%	60.84	93.40	306.76
			3.74%	11.48			7.33%	22.48	33.96	
			0.30%	0.92			0.58%	1.78	2.70	
			8.67%	26.61			48.93%	150.09	176.69	
			23.33%	71.56	0.00%	0.00	76.67%	235.19	306.76	
El Quiché	Santa Cruz del Quiche	bh-MB	11.85%	13.39			88.15%	99.62	113.01	113.01
			11.85%	13.39	0.00%	0.00	88.15%	99.62	113.01	
	Chiché	bh-MB	21.13%	24.48			78.87%	91.35	115.83	115.83
			21.13%	24.48	0.00%	0.00	78.87%	91.35	115.83	
	Chinique	bh-MB	14.46%	8.85			85.54%	52.36	61.22	61.22
			14.46%	8.85	0.00%	0.00	85.54%	52.36	61.22	
	Zacualpa	bh-MB bh-S(t)	12.99%	32.19			69.25%	171.55	203.74	247.73
			2.02%	5.00			15.74%	38.99	43.99	
			15.01%	37.19	0.00%	0.00	84.99%	210.54		
	Chajul	bh-MB bmh-MB bmh-S(c)	4.48%	23.55			39.40%	207.19	230.74	525.83
			0.53%	2.80			11.40%	59.93	62.73	
			10.28%	54.06			33.91%	178.29	232.36	
			15.29%	80.41	0.00%	0.00	84.71%	445.42		
	Chichicastenango	bh-MB bmh-M bmh-MB	7.73%	19.00			37.64%	92.54	111.54	245.85
			0.00%				0.63%	1.55	1.55	
			3.58%	8.79			50.42%	123.96	132.75	
			11.31%	27.80	0.00%	0.00	88.69%	218.05		
	Patzún	bh-MB bmh-MB	5.94%	3.16			55.36%	29.44	32.60	53.18
			0.10%	0.05			38.60%	20.53	20.58	
			6.04%	3.21	0.00%	0.00	93.96%	49.97		
	San Antonio Ilotenango	bh-MB bh-S(t) bmh-MB	12.40%	29.88			49.68%	119.69	149.57	240.91
			46.92%	24.95			27.53%	66.31	91.27	
			0.00%				0.03%	0.07	0.07	
			59.32%	54.83	0.00%	0.00	77.24%	186.08		
	San Pedro Jocopilas	bh-MB bh-S(t)	19.66%	57.82			79.79%	234.68	292.49	294.14
			0.00%				0.56%	1.64	1.64	
			19.66%	57.82	0.00%	0.00	80.34%	236.32	294.14	

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ²	Total Km ²
			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	Cunén	bh-MB	17.80%	40.23			17.82%	40.29	80.52	226.03
		bh-S(t)	0.38%	0.86			0.63%	1.42	2.28	
		bmh-MB	17.83%	40.31			45.53%	102.90	143.21	
		bmh-S(c)	0.00%				0.01%	0.02	0.02	
			36.01%	81.40	0.00%	0.00	63.99%	144.63		
	San Juan Cotzal	bh-MB	13.69%	22.32			38.54%	62.84	85.15	163.02
		bmh-MB	11.71%	19.09			19.14%	31.20	50.29	
		bmh-S(c)	4.48%	7.31			12.43%	20.27	27.58	
			29.88%	48.72	0.00%	0.00	70.12%	114.31		
	Joyabaj	bh-MB	13.70%	64.78			49.95%	236.20	300.98	472.84
		bh-S(t)	9.98%	47.21			25.98%	122.86	170.07	
		bs-S	0.38%	1.80			0.00%		1.80	
			24.06%	113.79	0.00%	0.00	75.94%	359.06		
	Nebaj	bh-MB	14.91%	126.93			14.81%	126.13	253.06	851.39
		bmh-M	4.08%	34.72			2.97%	25.28	60.00	
		bmh-MB	17.77%	151.25			16.07%	136.84	288.09	
		bmh-S(c)	11.74%	99.94			17.65%	150.30	250.24	
			48.49%	412.84	0.00%	0.00	51.51%	438.55		
	San Andrés Sajcabajá	bh-MB	11.56%	19.58			30.57%	51.78	71.36	169.39
		bh-S(t)	31.39%	53.17			26.48%	44.85	98.02	
			42.95%	72.76	0.00%	0.00	57.05%	96.63		
	Uspantán	bh-MB	3.29%	27.57			21.02%	176.01	203.58	837.29
		bh-S(t)	5.01%	41.91			5.35%	44.78	86.70	
		bmh-MB	0.35%	2.93			7.95%	66.58	69.50	
		bmh-S(c)	0.23%	1.93			22.52%	188.52	190.45	
		bp-S	0.00%				34.28%	287.06	287.06	
			8.88%	74.34	0.00%	0.00	91.12%	762.95		
	Sacapulas	bh-MB	12.96%	47.73			35.79%	131.78	179.51	368.24
		bh-S(t)	22.61%	83.27			18.43%	67.85	151.12	
		bmh-MB	0.02%	0.07			0.25%	0.93	1.00	
		bs-S	7.38%	27.18			2.56%	9.43	36.61	
			42.97%	158.24	0.00%	0.00	57.03%	209.99		
	San Bartolomé Jocotenango	bh-MB	14.82%	15.33			47.84%	49.48	64.81	103.44
		bh-S(t)	10.86%	11.23			26.48%	27.39	38.62	
			25.68%	26.56	0.00%	0.00	74.32%	76.87		

AREA DEGRADADA /ZONAS DE VIDA

Departamento	Municipio	Zona de Vida	Area Degradada		Area Urbana		Area No Degradada		Total Km ²	Total Km ²
			%	KM ²	%	KM ²	%	KM ²	por Zona Vida	por Municipio
	Chicamán	bh-MB	0.02%	0.10			20.16%	114.23	114.33	566.67
		bh-S(t)	21.13%	119.72			41.92%	237.58	357.29	
		bmh-MB	0.00%				6.42%	36.39	36.39	
		bmh-S(c)	0.00%				1.11%	6.28	6.28	
		bmh-S(f)	0.00%				0.08%	0.47	0.47	
		bp-S	0.00%				9.16%	51.90	51.90	
			21.14%	119.82	0.00%	0.00	78.86%	446.85		
	Playa Grande -Ixcán	bmh-S(c)	1.75%	27.71			92.98%	1475.17	1502.88	1586.55
		bp-S	0.00%				5.27%	83.67	83.67	
			1.75%	27.71	0.00%	0.00	98.25%	1558.84		
	Pachalúm	bh-MB	5.70%	2.38			8.71%	3.64	6.03	41.83
		bh-S(t)	34.31%	14.35			26.76%	11.19	25.54	
		bs-S	23.92%	10.00			0.60%	0.25	10.25	
			63.93%	26.74	0.00%	0.00	36.07%	15.09		

Zonas de Vida:	me-S	Monte espinoso Subtropical
	bs-S	Bosque seco Subtropical
	bs-T	Bosque seco Tropical
	bh-S (t)	Bosque húmedo Subtropical (templado)
	bh-S (c)	Bosque húmedo Subtropical (cálido)
	bmh-S (c)	Bosque muy húmedo Subtropical (cálido)
	bmh-S (f)	Bosque muy húmedo Subtropical (frío)
	bp-S	Bosque pluvial Subtropical
	bmh-T	Bosque muy húmedo Tropical
	bh-MB	Bosque húmedo Montano Bajo Subtropical
	bmh-MB	Bosque muy húmedo Montano Bajo Subtropical
	bh-MB	Bosque muy húmedo Montano Subtropical
	bp-MB	Bosque pluvial Montano Bajo
	bmh-M	Bosque muy húmedo Montano Subtropical

Anexo
Cuadros: Áreas de Recarga Hídrica por Municipio

RECARGA HIDRICA POR MUNICIPIO

Municipio	Total Mpio (km²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6A	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
Guatemala																				
Guatemala	215.03				109.59	22.31	7.46				1522.67	18.03	12.78				2.72			2.21
Degradado					23.00	0.63	7.46				19.68	4.68	12.78				0.78			2.18
%					20.98	2.82	100.00				1.29	26.85	100.00				28.50			98.48
S. Catarina Pinula																				
S. Catarina Pinula	67.35				5.18						53.38	8.81								
Degradado					2.21						29.35	1.84								
%					42.71						54.99	20.92								
S. José Pinula																				
S. José Pinula	198.00				31.52	5.82					62.98	42.53	45.98	8.67						
Degradado					14.48	0.27					53.89	15.63	43.79	2.64						
%					45.98	4.50					85.56	36.49	95.23	31.99						
S. José del Golfo																				
S. José del Golfo	78.49	83.94												9.88	2.88					
Degradado		58.11												9.09	0.84					
%		87.78												93.75	29.41					
Patencia																				
Patencia	217.72	0.45			2.53	0.64	28.78	1.95			13.91	2.08	150.82	18.57						
Degradado		0.18			0.16	2.48	27.09	0.82			13.90	0.38	148.34	8.86						
%		40.84			7.28	389.95	94.13	41.92			99.94	18.39	96.39	53.48						
Chinameut																				
Chinameut	67.05	31.24			1.21	6.92	17.11	9.02									1.55			
Degradado		24.48			0.61	1.58	14.62	3.79									0.19			
%		78.35			50.68	22.87	85.44	42.08									12.35			
S. Pedro Ayampuc																				
S. Pedro Ayampuc	108.82	68.14												8.69						
Degradado		68.63												8.69						
%		67.89												100.00						
Mixco																				
Mixco	90.32	13.80				10.57	13.91					10.05		18.17						
Degradado		1.34				0.57	1.80							0.17						
%		9.74				5.37	12.93							0.93						
San Pedro Sac.																				
San Pedro Sac.	28.88	2.03				3.13								14.15	9.58					
Degradado		0.81				2.30								0.04	1.13					
%		39.93				73.67								0.28	11.80					
San Juan Sac.																				
San Juan Sac.	272.87	68.10				16.50	28.03											8.21		
Degradado		72.41				18.63	2.30											8.18		
%		81.27				85.31	10.01											99.43		
San Raimundo																				
San Raimundo	125.00	68.62				8.38	3.78							21.99	2.92			1.14		
Degradado		78.58				4.65	0.37							20.86	0.40			1.14		
%		88.48				73.05	9.85							93.96	16.69			100.00		
Chuarancho																				
Chuarancho	117.96	100.40				10.54	7.03													
Degradado		76.41				8.27	3.18													
%		76.10				87.91	45.28													
Frejanes																				
Frejanes	115.17				25.20	5.92					53.29	30.76								
Degradado					19.27	2.05					24.57	7.15								
%					76.45	34.54					46.11	23.28								
Amatitán																				
Amatitán	100.96	17.48				8.38	3.78				72.44	11.06								
Degradado		38.57									47.07	1.98								
%											64.97	17.87								
Villa Nueva																				
Villa Nueva	89.06	52.12			2.07						27.07	7.50								
Degradado		11.38			0.13						13.44	1.12								
%		21.84			6.28						49.84	14.34								
Villa Canales																				
Villa Canales	280.01	89.89			6.80						149.00	34.33								
Degradado		30.31			0.37						74.27	7.43								
%		33.72			5.43						49.84	21.64								
Patapa																				
Patapa	23.79	18.09									7.70									
Degradado		3.53									0.57									
%		21.87									7.38									
El Progreso																				
Guastatoya	218.23	158.89					14.55	1.21										43.80		
Degradado		154.53					14.55	1.18										43.80		
%		97.25					100.00	96.57										100.00		
Morazán																				
Morazán	347.85	301.88					46.18													
Degradado		150.98					42.24													
%		50.04					91.49													
S. Agustín Acasaguastán																				
S. Agustín Acasaguastán	426.58	384.91			23.11		18.57													
Degradado		172.73			23.11		17.98													
%		44.87			100.00		96.74													
S. Cristóbal Acasaguastán																				
S. Cristóbal Acasaguastán	184.86	151.53			13.34															
Degradado		96.99			11.32															
%		64.01			84.84															

RECARGA HIDRICA POR MUNICIPIO

Municipio	Total Mpio (km²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6A	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
El Jicaro	114.63	71.49			35.66		6.17												1.31	
Degradado %		69.72			22.88		6.17												1.30	
		97.52			64.15		100.00												99.33	
Sansare	274.40	142.07					41.65	7.13					26.78	1.30					53.46	
Degradado %		123.99					38.53	4.75					28.78	1.01					52.83	
		87.27					92.51	66.64					100.00	77.81					98.81	
Sanarate	144.18	67.71					14.41	1.55					26.62						13.90	
Degradado %		60.60					14.11	0.88					18.39						13.90	
		69.09					97.90	58.42					69.10						100.00	
S. Antonio La Paz	147.50	50.97											88.45	8.08						
Degradado %		25.74											86.07	2.86						
		50.50											97.31	32.96						
Sacatepéquez																				
Antigua Guatemala	68935552		1.73		13.97						11.98	26.49								
Degradado %			0.01		0.03						3.56	2.77								
			0.44		0.18						29.73	10.45								
Jocotenango	9958433				0.56	1.13					4.50	3.77								
Degradado %					0.04	0.12					2.17	0.29								
					7.90	10.85					48.31	7.75								
Pastores	39198520				10.91				0.15		12.81	9.95								
Degradado %					0.40				0.15		4.81	0.20								
					3.70				100.00		37.55	1.99								
Sumpango	50549720				4.80	17.92	2.77	18.84				5.50	0.72							
Degradado %					0.80	6.86	1.22	10.42				0.05	0.00							
					12.53	38.28	43.95	55.29				0.88	0.04							
Sto. Domingo Xenacoj	24782714						3.53	15.20												
Degradado %							2.08	2.20												
							58.06	14.47												
Santiago Sac.	40483240						8.20					0.29	14.09							
Degradado %							0.05					0.27	0.43							
							0.61					94.43	3.05							
S. Bartolomé M. Altas	8355203										5.51	1.88	0.96							
Degradado %											5.10	1.44	0.48							
											92.63	78.50	50.12							
S. Lucas Sac.	23289510				4.89	5.72	3.30	0.82			3.67	2.91	1.56	0.43						
Degradado %					1.87	3.79	0.61	0.38			2.52	0.04	0.18	0.15						
					40.31	66.30	18.53	45.98			68.57	1.38	11.44	35.46						
Sta. Lucía M. Altas	9202674				3.97						0.67	4.57								
Degradado %					1.14						0.34	0.75								
					28.79						50.74	16.45								
Magdalena M. Altas	14571348				0.28						10.32	3.97								
Degradado %					0.00						0.75	0.02								
					1.20						7.26	0.55								
Sta. María de Jesús	60643024										28.86	6.80								
Degradado %											0.32	0.29								
											1.09	4.28								
Ciudad Vieja	35747152		18.96						12.97		0.31									
Degradado %			5.73						0.03		0.10									
			30.23						0.21		32.85									
S. Miguel Dueñas	44780196		4.90						23.84	16.03										
Degradado %			1.35						17.75	3.79										
			27.45						74.46	23.63										
Alotenango	90149544		1.06						80.58	8.51										
Degradado %			0.31						32.15	0.81										
			29.28						39.89	9.47										
S. Antonio Agust. C.	5151437		2.39						0.10	0.79	1.09	0.78								
Degradado %			2.18						0.10	0.41	0.88	0.44								
			91.37						99.61	51.75	80.62	56.75								
Sta. Catarina Barahona	10551791		1.11						8.11	1.33										
Degradado %			1.10						7.52	0.71										
			99.04						92.64	53.49										
Chimaltenango																				
Chimaltenango	49097448				12.88	16.82	0.53	3.17				14.17								
Degradado %					0.13	0.32	0.51	1.04				1.82								
					1.03	1.94	96.46	33.00				11.45								

RECARGA HIDRICA POR MUNICIPIO

Municipio	Total Mpio (km ²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6a	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
S. José Poaquil Degradado %	96587016	7 35 6 50 88 52									1 85 1.27 88 34	12 49 1 28 10 24	4 17 3 87 92 69	61 98 2 91 4 69						
S. Martín Jilotapeque Degradado %	410122144	50.64 48 81 96 39					39 98 35 04 87 65	21.80 6 21 28 47				19 52 0.00 0.00	128.69 107.12 83.25	146.91 25 65 17 23						
Comalapa Degradado %	85755040				22 35 3 72 16 64	14 30 1.00 7.00						10 22 5 10 49 90	9 73 0 19 1 93	5 12 24.03 24 97						
Santa Apolonia Degradado %	46143928				0 40 0.39 97 54							4 57 3 56 77 94								
Tecpán Degradado %	247903284				32 49 13 04 40 13	13 60 3 37 24 75						46 32 32 72 70 65	155 50 9 20 5 92							
Patzún Degradado %	164188912	2 19 0 01 0 81			14 68 6 45 43.97	11 85 2 77 23.41						71 28 57 32 80 41	84 19 11 96 14 23							
Pochuta Degradado %	129526656		7 31 4 30 58 76						79 39 72.85 91 77	5 94 1 85 31 19	14 03 11 88 84 63	20 65 2 14 10 25								
Patzicía Degradado %					24 63 0 42 1 70	7 29 0 66 9 09			1 57 1 36 86 50	1 49 0 15 10 32	17 62 11 41 63 65	11 84 3 50 29 57								
Sta. Cruz Balanyá Degradado %	19813742					4 40 0 15 3 37						10 22 2 08 20 17								
Acatenango Degradado %	130980288								86 83 60 90 70 14	28 74 6 37 22 17	1 26 1 10 87 13	14 15 1 41 9 99								
Yepocapa Degradado %	205496952								170.45 149 91 87 95	31.71 6 26 19 73										
S. Andrés Itzapa Degradado %	67665768				10 39 1 19 11 50				11.37 10.10 88.88	6 27 1 14 18 19	14 184 7 427 52 362	25 452 5.212 20 476								
Parramos Degradado %	29443648				6 22 0 41 6 80	3 47 0 05 1 50			11.84 11.42 96.44		7 898 3 368 42 897									
Zaragoza Degradado %	51922320				18 06 0 11 0 81							3 462 0 047 1 354								
El Tejar Degradado %	45586472				18.88 4 89 25 92	21 45 8 66 40 35	1 23 0 80 64 90					2 963 1 369 46 204								
Escuintla Degradado %	546715968		196.02 33 63 17.08		74 61 9 71 12 97				237 52 135 00 56 84	23 27 0 91 3 93	6 27 5 74 91 52									
Sta. Lucía Cotz. Degradado %	454855776		401.43 79.88 19 90						53 42 30 19 56 50											
La Democracia Degradado %	290873632		206 51 0 51 0 25		85 38 0 41 0 48															
Siquinalá Degradado %	184495216		89 14 3 27 3 67						69 35 56 36 63 08	6 01 0 27 4 49										
Masagua Degradado %	473720364		143 75 37 04 25 77		329 97 89 09 27 00															
Tiquisate Degradado %	471613760		244 89 13.14 5 37		226 72 6 26 2 76															

RECARGA HIDRICA POR MUNICIPIO

Municipio	Total Mpio (km ²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6a	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
La Gomerá	786467520		217.89		568.58															
Degradado %			0.32		40.25															
Guanagazapa	227628304		0.14		151.29						76.34									
Degradado %					84.81						58.77									
San José	220328960				220.33						78.98									
Degradado %					6.55															
Iztapa	85232888				2.97															
Degradado %					65.23															
Palín	111067520				7.71															
Degradado %					11.82				49.84	32.03	19.41	9.98								
S. Vicente Pacaya	150131152		0.30		1.89				5.01	0.09	12.88	2.06								
Degradado %			0.30		1.89				10.09	0.29	68.35	20.59								
Nueva Concepción	524210656		100.00		100.00				2.46	10.88	108.54	26.26								
Degradado %			231.31		292.90				2.10	0.70	101.15	3.93								
			20.53		3.93				85.56	6.45	93.19	14.98								
			8.88		1.34															
Santa Rosa	213944352								18.96		44.89					134.78	15.32			
Cuilaipa									14.27		40.84					116.07	7.81			
Degradado %									75.28		90.98					88.12	51.02			
Barberena	224474384				37.11				9.57		165.40	10.96								
%					26.84				9.57		133.71	0.16								
					72.33				100.00		80.84	1.43				100.00				
Sta. Rosa de Lima	134207152				36.81						63.66	31.40								
Degradado %					22.32						54.71	14.22	0.87	1.87						
					60.64						85.94	45.29	0.62	0.47						
Casillas	204711040				9.63	2.26					91.24	71.82	7.49	1.27	6.49	3.07				
Degradado %					5.54	2.02					62.04	19.64	7.42	7.42	4.26	0.79				
					57.46	69.50					68.00	27.34	99.02	586.03	65.65	25.77				
San Rafael Las Flores	85231640						7.70				11.95	5.74	35.98	14.64						
Degradado %							7.11				10.33	1.93	32.83	4.96						
							92.38				86.40	33.90	91.25	33.44						
Oratorio	310667776		7.52		28.95				128.47	5.82	101.38	0.75				37.78				
Degradado %			2.20		16.21				122.41	2.38	82.36	0.19				35.79				
			29.26		58.00				95.28	40.87	81.26	25.31				94.74				
S. Juan Tecuaco	33677996		0.29						33.39											
Degradado %			0.29						33.38											
			100.00						99.97											
Chiquimulilla	600973376		164.94		315.67	5.48			111.06		3.52									
Degradado %			75.24		109.03	1.89			85.85		3.52									
			45.82		34.51	34.67			77.29		100.00									
Taxisco	640577344		129.47		387.89				92.04	10.59	20.59									
Degradado %			89.82		88.22				70.80	0.41	16.80									
			69.21		22.74				76.93	3.84	81.58									
Sta. María Ichuicim	164906528								41.79		88.31					34.61				
Degradado %									29.59		44.39					31.83				
									70.82		50.26					91.45				
Guazacapán	109634880		56.80		27.48				25.36											
Degradado %			22.29		23.62				7.22											
			39.25		85.96				28.47											
Sta. Cruz Naranjo	58713844				0.56						43.37	14.78								
Degradado %					0.56						31.62	3.89								
					100.00						72.92	26.31								
Pueblo Nuevos Viñas	250684944								75.64	9.24	155.02	10.78								
Degradado %									38.35	2.27	142.13	2.22								
									52.02	24.61	91.68	20.56								
Nueva Santa Rosa	132155072				39.42	2.74			4.13		53.61	11.97	0.00	15.33	4.75					
Degradado %					13.74	1.62			3.63		41.53	4.42	0.00	13.30	2.95					
					34.85	59.14			88.02		77.18	38.91	100.00	86.79	62.22					

RECARGA HIDRICA POR MUNICIPIO

Municipio	Total Mpio (km²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6a	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
Sololá																				
Sololá	151368304				26.88	21.46					2.62	100.38								
Degradado					16.02	2.86					0.73	2.36								
%					59.62	13.34					27.78	2.35								
San José Chacirí	15790928		2.85		1.86	3.38		3.53		3.855										
Degradado			2.83		1.86	1.21		0.90		0.019										
%			99.47		100.00	35.70		25.59		0.499										
Sta. María Visitación	20215222								1.90	18.29										
Degradado									0.78	0.11										
%									41.25	0.60										
Sta. Lucía Utz'atán	51067186		25.52		3.30	3.67		0.13		4.73	12.33	0.41	0.88							
Degradado			9.82		2.93	0.84		0.11		3.18	1.52	0.39	0.69							
%			38.50		88.94	17.56		90.28		67.07	12.30	93.33	71.05							
Nahualá	166219152		3.43		10.56	4.25				67.42	36.63	17.63	26.29							
Degradado			0.99		5.89	1.01				57.60	6.40	15.48	8.34							
%			28.88		53.88	23.80				65.88	17.48	87.82	31.74							
Sta. Catarina Ixtahuacán	189767424	36.03	6.13							62.29	65.32									
Degradado		24.52	3.74							63.94	11.10									
%		68.06	60.96							77.70	17.00									
Sta. Clara La Laguna	14889667		0.44							4.06	10.40									
Degradado			0.29							3.22	0.63									
%			65.53							79.43	6.09									
Concepción	14975740				1.12								13.26							
Degradado					0.99								3.31							
%					88.50								24.97							
San Andrés Semetabaj	52975140											18.13	33.85							
Degradado												10.95	4.41							
%												57.25	13.02							
Panajachel	7725290					4.04							3.68							
Degradado						1.58							1.45							
%						39.12							39.46							
Sta. Catarina Palupó	13817974								1.90	7.28	3.64	1.09								
Degradado									1.50	1.21	1.97	0.13								
%									78.91	16.59	54.17	11.78								
San Antonio Palupó	26120456	0.03							3.26		19.32	3.26								
Degradado		0.03							1.43		13.37	1.71								
%		100.00							43.79		69.19	52.49								
San Lucas Tollinán	73689600	5.60							57.26	10.63	0.20									
Degradado		0.78							39.64	3.82	0.02									
%		13.95							69.57	35.91	10.93									
Sta. Cruz La Laguna	11269123										9.57									
Degradado											0.17									
%											1.81									
San Pablo La Laguna	6135137								2.94	3.20										
Degradado									2.37	0.49										
%									80.66	15.23										
San Juan La Laguna	37177032	2.85							23.42	10.90										
Degradado		2.13							21.16	2.87										
%		74.66							90.33	26.28										
San Pedro La Laguna	50662344								24.56	26.10										
Degradado									20.78	4.55										
%									84.62	17.42										
Santiago Atitlán	115827856	21.42							51.66	42.65										
Degradado		4.09							46.61	12.09										
%		19.07							89.89	28.36										
Totonicapán																				
Totonicapán	244533840				13.80	12.44	18.19	13.04	1.40	2.12	40.19	57.94	22.80	60.74						
Degradado					5.29	0.46	8.41	0.33	0.56	0.29	28.66	8.13	19.21	3.83						
%					38.36	3.74	46.22	2.51	40.25	13.71	71.31	14.03	84.26	6.31						
San Cristóbal Totonicapán	44262164				4.13		30.08				0.87		9.18							
Degradado					1.41		10.26				0.18		7.86							
%					34.21		34.10				20.13		83.45							
San Francisco El Alto	72638200						30.89	13.83					22.80	5.12						
Degradado							7.60	1.52					4.77	0.42						
%							24.61	10.96					20.94	8.23						

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Municipio	Total Mpio (km²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6a	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
San Andrés Xecul Degradado %	16491821				2.42 1.64 67.77		7.07 0.83 11.74	0.94 0.11 11.21			4.48 2.05 45.74		0.82 0.55 67.32							
Momostenango Degradado %	359208480	21.75 10.73 49.36					19.15 10.11 52.79	58.38 1.00 1.71					83.03 67.95 81.84	176.89 13.45 7.60						
Sta. María Chiquimula Degradado %	237501744												14.18 12.38 87.31	223.32 5.73 2.56						
Sta. Lucía La Reforma Degradado %	45414348												11.40 9.78 85.83	10.12 2.38 23.53						
San Bartolo Aguas Calientes Degradado %	56318460	24.40 4.22 17.31											0.71 0.71 99.99	31.21 0.47 1.51						
Quetzaltenango Degradado %	126830880		24.00 14.31 59.62		45.08 2.90 6.44				40.49 27.54 68.03	17.27 5.45 31.53										
Salicajá Degradado %	16880132				16.56 3.19 19.27															
Olintepeque Degradado %	32178948				15.67 3.87 23.41	3.15 0.24 7.75					9.90 8.30 83.87	2.94 0.81 27.61								
San Carlos Sija Degradado %	228538512	21.26 16.61 78.12			0.26 0.22 84.88	1.92 0.17 8.69	33.28 13.60 40.88	2.13 0.41 19.19			3.06 2.31 75.51	2.05 0.13 6.47	71.20 41.34 58.07	91.38 5.36 5.87						
Sibilla Degradado %	41072380				2.70 0.68 25.05	3.16 0.00 0.06	0.63 0.15 23.69				13.53 5.29 39.07	12.63 1.32 10.44	6.68 3.72 55.69	1.74 0.21 11.93						
Cabricán Degradado %	83664040	37.06 15.70 42.36											16.26 14.11 86.76	30.35 5.58 18.38						
Cajolá Degradado %	20528804										0.77 0.19 25.37	8.41 0.02 0.25								
San Miguel Sigüíá Degradado %	17127850				4.22 0.00 0.00	7.776 0.046 0.591														
San Juan Ostuncalco Degradado %	109000904				20.11 4.33 21.54	3.101 0.334 10.780			10.28 2.29 22.32	66.81 2.90 4.22	3.98 0.26 6.60									
San Mateo Degradado %	10822120				6.74 1.38 20.53				1.98 1.00 50.42	2.10 0.48 22.60										
Concepción Chiquirichapa Degradado %	21892050		6.01 4.72 78.57		5.58 2.60 46.88				4.74 3.32 70.17	5.57 2.54 45.88										
San Martín Sacatepéquez Degradado %	143763952		14.70 14.68 99.91						52.77 32.50 61.59	76.29 15.82 20.47										
Almolonga Degradado %	12548912		3.51 0.88 24.96						9.03 3.28 36.09											
Cantel Degradado %	49738380		11.28 0.95 8.44						10.40 1.21 11.66	17.32 0.07 0.40										
Huitán Degradado %	36338212	11.88 8.76 73.69									0.61 0.61 100.00	0.06 0.06 100.00	20.35 17.78 87.36	3.44 1.83 53.13						
Zunil Degradado %	77461808								35.71 27.84 77.96	41.76 8.14 19.50										

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Municipio	Total Mpio (km ²)	Total 0	Total 1	Total 1A	Total 2	Total 2A	Total 3	Total 3A	Total 4	Total 4A	Total 5	Total 5A	Total 6	Total 6A	Total 7	Total 7A	Total 8	Total 8A	Total 9	Total 9A
Colomba	205680112		13 92						160 87	30 90										
Degradado			2 54						140.41	7 90										
%			18 23						87.28	25 58										
San Francisco La Unión	16887964						10 01				3 44	3 22	0 22							
Degradado							2 97				1.88	0 24	0 19							
%							29 69				54.59	7 44	88.17							
El Palmar	175879888								119.36	58 52										
Degradado									112 12	11 45										
%									93 93	20 26										
Costepeque	418646016		92 02		123 29				203 33											
Degradado			6 33		17 29				145 73											
%			6 88		14 02				71 67											
Génova	168287920		42 91		6 71				118 67											
Degradado			8.82		1.69				71 24											
%			20 55		25 19				80 03											
Flores Costa Cuca	72444064								72.44											
Degradado									60 05											
%									82 89											
La Esperanza	12249009				8 07	3 442														
Degradado					0 72	0 212														
%					8 91	6 160														
Palestina de Los Altos	36020668								1 79	10 33										
Degradado									0 08	0 78										
%									4 28	7 52										
Suchitpeque	65244918		49 44						15 81											
Degradado			3 74						0 28											
%			7 57						1 80											
Cuyotenango	481072704		295 04		169 10															
Degradado			20 39		47 77															
%			6 91		28 25															
San Francisco Zapotitlán	48898732								43 54	5 36										
Degradado									15 09	1 14										
%									34 66	21 23										
San Bernardino	14315171																			
Degradado																				
%																				
San José El Idolo	137735296		137 73																	
Degradado			38 68																	
%			28 08																	
Santo Domingo Suchitpeque	238094976		171 48		64 61															
Degradado			2.35		7 45															
%			1 37		11 52															
San Lorenzo	283835072		115 99		167 85															
Degradado			7 48		42.89															
%			6 45		25 55															
Samayac	25825340								25 50											
Degradado									5 19											
%									20 37											
San Pablo Jocopilas	26115002								26.12											
Degradado									5 12											
%									19 60											
San Antonio Suchitpeque	75018268		66 41						8 61											
Degradado			23 77						7.88											
%			35 79						91 47											
San Miguel Panthi	26801460		28 80																	
Degradado			26.51																	
%			92 06																	
San Gabriel	6603334																			
Degradado																				
%																				
Chicacao	211030112	10 74	93 74						81 23	25 32										
Degradado		4.88	72.12						79 31	6 97										
%		43.56	76 93						97.63	27.52										

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San Luis	3095192320	1216.31													323.48	449.38	251.78	854.29		
Degradado %		512.58 42.14													31.98 9.88	42.85 9.53	141.89 56.38	95.34 11.16		
Sayaxché	2407170816	1810.08													339.08	258.04				
Degradado %		248.03 13.70													212.22 62.59	69.11 26.78				
Melchor de Mencos	2112089072	1288.49			286.75	184.78											351.05	1.05		
Degradado %		22.41 1.74			3.54 1.23	0.53 0.29											1.78 0.50	0.24 22.63		
Poptún	1083838840	5.95													4.53	36.78	278.86	767.81		
Degradado %		1.10 18.42													1.39 30.62	1.81 4.93	236.78 84.91	66.86 8.71		
Izabal	1202503552	303.09	654.30	14.78											48.85	24.46				
Degradado %		83.18 27.45	12.90 1.97	12.72 86.19											19.28 41.12	12.24 50.00				
Livingston	2361004032	1275.50	280.95	55.75											473.30	295.51				
Degradado %		140.20 10.99	4.83 1.85	0.90 1.81											69.18 14.62	49.33 16.69				
El Estor	1578941824	981.29	499.92	9.15											25.09	63.49				
Degradado %		158.30 16.13	113.48 22.70	2.98 32.36											16.65 66.35	8.84 13.93				
Morales	1330421632	823.23	327.37		73.87										10.68	34.33		29.86		
Degradado %		284.62 32.14	57.16 17.46		3.89 5.00										7.37 69.01	4.97 14.47		8.80 29.46		
Los Amates	1046068752	672.07	188.41	5.29	12.77										38.36	54.16	29.14	45.87		
Degradado %		383.39 57.05	25.35 13.45	0.11 2.09	8.27 64.77										28.50 69.09	12.21 22.54	23.52 80.73	16.05 34.88		
Zacapa	508124224	394.83					94.45								15.03					
Degradado %		331.63 84.04					40.86 43.26								15.03 100.00					
Estanzeuela	92244232	17.85			31.62		42.67													
Degradado %		15.89 88.54			0.07 0.21		11.82 27.70													
Río Hondo	458094048	17.85			92.00															
Degradado %		15.89 88.54			55.49 80.32															
Guatán	783576000	659.43			23.88										33.17	36.43	0.67			
Degradado %		379.84 55.07			9.19 38.50										19.73 58.48	1.21 3.32	0.56 83.17			
Teculután	211072432	178.90			34.18															
Degradado %		81.98 46.35			3.21 9.39															
Usumatán	108369768	92.99			15.38															
Degradado %		71.16 76.52			5.50 35.78															
Cabañas	138770624	119.34			16.90		2.53													
Degradado %		116.57 97.88			3.11 18.40		2.53 100.00													
San Diego	103658400	92.75					10.91													
Degradado %		84.23 90.81					10.91 100.00													
La Unión	215235808	181.92			13.80						8.15	11.36								
Degradado %		88.45 54.12			13.80 99.98						8.15 100.00	2.71 23.85								
Huitá	89115576	69.67			19.14															
Degradado %		68.40 94.90			9.17 47.88															
Chiquimula	353433504	215.04					49.87								88.52					
Degradado %		195.59 91.00					14.21 28.49								81.88 92.50					

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San José La Arada	80719528	80.82					1.02						29.35						4.42	
Degradado		73.96					0.86						24.82						4.42	
%		91.50					83.97						84.56						100.00	
San Juan Ermita	80719528	7.71					1.09				3.34	1.92	10.06				20.97		35.61	
Degradado		4.97					1.09				3.34	1.44	10.06				20.97		35.40	
%		64.47					100.00				100.00	74.72	100.00				100.00		99.39	
Jocotán	252140096	96.47					53.75				35.18	20.38	10.56				8.64		27.17	
Degradado		78.77					53.75				31.00	7.10	10.56				8.33		27.17	
%		79.57					100.00				88.14	34.85	100.00				96.43		100.00	
Camotán	230813872	107.45					10.05				25.42	37.59					27.88		22.42	
Degradado		88.27					10.05				24.41	1.69					27.30		22.42	
%		82.14					100.00				98.05	4.49					97.92		100.00	
Olopa	112455744	5.47			3.23						94.06	9.50					0.20			
Degradado		5.46			3.23						90.86	3.39					0.20			
%		99.83			100.00						96.60	35.68					100.00			
Esquipulas	502374816	89.03			8.18	46.68					145.38	204.42	5.07	0.85			2.79			
Degradado		72.14			5.89	18.71					52.83	165.68	0.38	0.44			2.79			
%		81.02			72.23	40.09					36.34	81.05	7.55	51.61			100.00			
Concepción Las Minas	215469472	76.09									9.19		79.57	50.62						
Degradado		37.38									0.58		46.98	26.81						
%		49.13									6.30		59.03	52.98						
Quezaltenpeque	245169168	35.55			4.06		3.83				27.15	34.92	125.65	9.12			4.89			
Degradado		26.02			3.47		3.83				22.63	7.62	103.74	3.58			4.89			
%		73.18			85.52		100.00				83.35	21.81	82.57	39.31			100.00			
San Jacinto	70941648	0.61											69.43	0.66					0.04	
Degradado		0.61											64.90	0.75					0.04	
%		99.98											93.48	87.73					100.00	
Ipaia	230608632						37.90						188.59	4.12						
Degradado							23.15						113.33	2.68						
%							61.08						60.09	65.07						
Jalapa	666370176	71.49					64.24	0.02			0.68		455.94	85.22					8.78	
Degradado		51.38					53.21	0.02			0.68		396.10	35.86					8.78	
%		71.87					82.83	98.53			100.00		86.87	42.07					100.00	
San Pedro Pinula	531810112	216.65					31.50	0.78					263.93	5.24					13.74	
Degradado		185.79					19.88	0.64					246.10	3.67					13.74	
%		85.78					63.13	84.87					93.25	70.07					100.00	
San Luis Jilotepeque	210471472	54.86					27.67						128.14							
Degradado		32.24					27.52						127.19							
%		58.98					99.44						99.26							
San Manuel Chaparrón	129023120						20.40						108.62							
Degradado							20.40						107.59							
%							100.00						99.05							
San Carlos Alzate	89930688										7.00		55.84	27.09						
Degradado											7.00		51.47	7.48						
%											100.00		92.19	27.55						
Monjas	148363488						62.28						78.67	7.41						
Degradado							24.95						59.70	3.92						
%							40.05						75.89	52.91						
Mataquescuintla	238233964						0.00				0.85		184.55	52.83						
Degradado							0.00				0.83		166.33	22.59						
%							100.00				97.65		90.13	42.75						
Jutiapa	625720640	6.63	25.98		6.58				165.37		312.27	68.15	14.27	18.17	3.58		6.74			
Degradado		6.25	13.05		6.54				152.96		276.35	16.32	11.91	4.62	1.88		6.74			
%		94.31	50.24		99.70				92.50		88.50	23.95	83.48	26.80	52.50		100.00			
El Progreso	99651000						2.83		0.01		68.38		28.45							
Degradado							0.19		0.01		57.00		11.27							
%							6.59		100.00		83.38		39.81							
Santa Catarina Mita	202614208						14.30				9.07		175.24	4.00						
Degradado							12.28				8.94		158.24	1.86						
%							85.88				98.58		90.30	46.55						
Agua Blanca	239272800						15.33						212.93							
Degradado							8.73						54.26							
%							58.93						25.48							

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Asunción Mita	493853472			1.35	25.23		40.84		44.59	43.14	54.95	88.81	116.19						5.67	
Degradado				1.02	0.69		10.30		30.00	33.66	44.80	38.99	79.20						5.67	
%				75.62	2.72		25.23		67.32	78.02	81.17	43.91	68.16						100.00	
Yupitpeque	55675282		6.43	3.49					28.75	17.01										
Degradado			2.83	2.97					28.13	15.18										
%			43.95	85.15					97.84	89.26										
Atzacatempa	85786218			23.73					6.29	55.74										
Degradado				18.17					6.29	48.38										
%				88.16					100.00	86.79										
Jerez	52419864									52.42										
Degradado										52.42										
%										100.00										
El Adelanto	29799650								29.80											
Degradado									29.80											
%									100.00											
Zapotitlán	78681032		2.86	1.15					23.72	51.16										
Degradado			0.23	0.44					22.78	50.51										
%			8.55	38.58					95.97	98.73										
Comapa	174132992		4.58	3.24					140.86	25.45										
Degradado			4.58	3.24					130.13	25.45										
%			100.00	100.00					92.38	100.00										
Jaipetagua	229080336		25.33	0.48	3.60				126.32	17.83	51.78	3.64								
Degradado			20.31	0.48	3.60				62.07	12.55	43.82	2.67								
%			80.18	100.00	100.00				49.14	70.00	84.83	73.52								
Conguaco	132480352								121.41	9.65	1.42									
Degradado									45.22	8.81	1.42									
%									37.25	91.28	100.00									
Moyuta	413241248				150.42				118.69	22.83	121.30									
Degradado					33.74				96.00	8.88	105.31									
%					22.43				80.88	30.07	86.82									
Pisaco	149067232		6.63		73.51				46.85	22.27										
Degradado			4.38		30.73				43.67	17.85										
%			66.00		41.80				93.81	79.27										
San Juan Acatempa	112589784								2.81	43.70	7.70				28.64	4.38	12.12		13.41	
Degradado									2.81	33.95	0.12				24.02	0.75	4.13		8.48	
%									100.00	77.68	1.53				83.87	17.00	34.04		70.73	
Quezada	140038544				17.45					108.10	7.75						6.74			
Degradado					5.04					98.82	2.08						5.25			
%					28.87					91.41	26.63						77.91			

Categorías:	0	Recarga hídrica baja
	1	Sin cobertura forestal, mayor de 2000 mm, sedimentos piroclásticos y aluviones
	1A	Con cobertura forestal, mayor de 2000 mm, sedimentos piroclásticos y aluviones
	2	Sin cobertura forestal, de 1000 a 2000 mm, sedimentos piroclásticos y aluviones
	2A	Con cobertura forestal, de 1000 a 2000 mm, sedimentos piroclásticos y aluviones
	3	Sin cobertura forestal, menor de 1000 mm, sedimentos piroclásticos y aluviones
	3A	Con cobertura forestal, menor de 1000 mm, sedimentos piroclásticos y aluviones
	4	Sin cobertura forestal, mayor de 2000 mm, rocas volcánicas
	4A	Con cobertura forestal, mayor de 2000 mm, rocas volcánicas
	5	Sin cobertura forestal, de 1000 a 2000 mm, rocas volcánicas
	5A	Con cobertura forestal, de 1000 a 2000 mm, rocas volcánicas
	6	Sin cobertura forestal, menor de 1000 mm, rocas volcánicas
	6A	Con cobertura forestal, menor de 1000 mm, rocas volcánicas
	7	Sin cobertura forestal, mayor de 2000 mm, rocas sedimentarias carbonatadas
	7A	Con cobertura forestal, mayor de 2000 mm, rocas sedimentarias carbonatadas
	8	Sin cobertura forestal, de 1000 a 2000 mm, rocas sedimentarias carbonatadas
	8A	Con cobertura forestal, de 1000 a 2000 mm, rocas sedimentarias carbonatadas
	9	Sin cobertura forestal, menor de 1000 mm, rocas sedimentarias carbonatadas
	9A	Con cobertura forestal, menor de 1000 mm, rocas sedimentarias carbonatadas

El análisis institucional consistió en identificar y describir las principales acciones de cada una de las entidades involucradas. Las instituciones se agruparon por actividad de la siguiente manera: Gobierno Central, CONRED, Salud, Vivienda, Medios de Comunicación, Drenajes, Agua Potable, Energía, Transporte, Financiamiento y Radiocomunicación.

Esta primera evaluación permitió señalar las distintas etapas en que cada ente podría intervenir, de acuerdo a la naturaleza de sus funciones.

Finalmente se describe la ubicación de las oficinas, sedes o subsedes de las diferentes instituciones involucradas en el ámbito regional, departamental y municipal.

Por último, basado en los resultados de los análisis se desarrollaron las conclusiones y recomendaciones.

1. CLASIFICACIÓN DE LA ESTRUCTURA INSTITUCIONAL

1.1 Instituciones del Estado

De acuerdo a la Constitución de la República de Guatemala, el sistema de gobierno republicano, democrático y representativo, delega el ejercicio de su soberanía en los organismos Legislativo, Ejecutivo y Judicial, dentro de los que no hay subordinación.

Basados en el organigrama realizado por el INAP, actualizado a febrero del 2000, al analizar la estructura administrativa del Gobierno, se observa que la mayor parte del sector público se enmarca y depende básicamente del Organismo Ejecutivo, presidido por el Presidente de la República y sectorialmente por cada Ministerio de Estado, clasificados de la siguiente forma:

- ♦ **Gobierno Central**
Presidencia y Vicepresidencia, integrada por veintiséis entidades entre secretarías, consejos y otros; doce Ministerios, con doscientas diez dependencias aproximadamente, entre direcciones generales, asesorías, departamentos, etc.
- ♦ **Entidades Descentralizadas**
Doce Autónomas, diecisiete Semiautónomas, diez Instituciones Financieras, siete Empresas Públicas, cinco Empresas Mixtas.
- ♦ **Gobiernos Locales**
Municipalidades de primera, segunda y tercera categoría. El representante del Ejecutivo en cada departamento es el Gobierno Departamental. Con el objeto de descentralizar la administración pública y lograr que las acciones de gobierno se lleven a cabo conforme a las necesidades de la población, el Congreso de la República, emitió en 1987 la Ley Preliminar de Regionalización, en donde se establecían ocho regiones de desarrollo, cuyo establecimiento le permitía el ordenamiento territorial y el funcionamiento de los Consejos Regionales de Desarrollo Urbano y Rural, como parte del Sistema Nacional de Consejos de Desarrollo Urbano y Rural.

♦ Estructura del Sector Público²

En esta estructura se mencionan únicamente las instituciones que se considera están vinculadas por sus funciones, con el tema en estudio, haciendo ver las modificaciones realizadas en la última actualización realizada por el INAP:

NIVEL 1: Presidencia de la República

Sistema Nacional de Consejos de Desarrollo Urbano y Rural

Nivel Nacional

Nivel Regional

Nivel Departamental

Nivel Municipal

Nivel Local

NIVEL 2: Entidades de la Presidencia de la República

Secretaría del Consejo Nacional de Planificación Económica, SEGEPLAN

Consejo Nacional de Área Protegidas, CONAP

Comisión Nacional del Medio Ambiente, CONAMA

Secretaría Ejecutiva (Se asume que es ahora, Dirección Ejecutiva de la Presidencia)

NIVEL 3: Ministerios de Estado

Ministerio de Gobernación

- Gobernadores Departamentales
- Diario de Centro América
- Dirección General de la Policía Nacional Civil, DGPN

Ministerio de Relaciones Exteriores

- Despacho Ministerial

Ministerio de la Defensa Nacional

- Despacho Ministerial

Ministerio de Educación, MINEDUC

- Unidad de Planificación Educativa
- Dirección General de Coordinación de Proyectos de Apoyo, DIGEPA

Ministerio de Cultura y Deportes

- Dirección General del Patrimonio Cultural y Natural

Ministerio de Salud Pública y Asistencia Social, MSPAS

- Despacho Ministerial
- Despachos Viceministeriales
- Dirección General de Servicios de Salud, DGSS
- (Se asume que se sustituyó por el Consejo Nacional de Salud)

² Ver anexo, base legal y principales funciones del sector público en Guatemala y organigrama elaborado por INAP actualización febrero 2,000

- División de Recursos Humanos (ahora Dirección de Recursos Humanos)
- División de Vigilancia y Control de Enfermedades
- (sustituida por la Dirección General de Regulación, Vigilancia y Control de Salud)
- Áreas de Salud
- Distritos de Salud
- Hospitales
- Centros de Salud

Ministerio de Trabajo y Previsión Social

- Dirección Nacional de Previsión Social
(Ahora, Dirección General De Previsión de Accidentes)
- Consejo Nacional de Prevención de Accidentes

Ministerio de Finanzas Públicas, MFP

- Dirección de Bienes del Estado y Licitaciones

Ministerio de Economía

- Despacho Ministerial

Ministerio de Agricultura, Ganadería y Alimentación, MAGA

- Dirección General de Servicios Agrícolas
- Dirección General de Servicios Pecuarios

Las dos anteriores direcciones se asume que fueron sustituidas por las siguientes Áreas:

- Área Fitosanitaria
- Área de Fitozootecnia
- Área de Agua y Suelo
- Área de Hidrobiológicas

Ministerio de Energía y Minas, MEM

- Dirección General de Hidrocarburos, DGH

Ministerio de Comunicaciones, Transporte, Obra Públicas y Vivienda, MCTOPV

- Dirección General de Radio y Televisión, DGRT
(Ahora, Dirección General Radiodifusión y Televisión Nacional)
- Instituto Nacional de Sismología, Vulcanología, Meteorología e Hidrología, INSIVUMEH
- Instituto Geográfico Nacional, IGN-
- Unidad de Construcción de Edificios del Estado, UCEE
- Unidad Ejecutora de Proyectos de Servicios de Salud, UNEPSSA
- Dirección General de Caminos, DGC
- Dirección General de Transportes, DGT
- Dirección General de Aeronáutica Civil, DGAC
- Fondo Guatemalteco para la Vivienda, FOGUAVI

Entidades Descentralizadas

NIVEL 4: Entidades Autónomas

- Municipalidad de Guatemala, MUNI
(Aunque no aparece en el organigrama es parte de las entidades autónomas)
- Cuerpo Municipal de Bomberos, CMB
- Municipalidades de la República
(Aunque no aparecen en el organigrama son parte de las entidades autónomas)
- Universidad de San Carlos de Guatemala, USAC
- Instituto Guatemalteco de Seguridad Social, IGSS

NIVEL 5: Entidades Semiautónomas

- Comité Nacional de Emergencia, CONE
(Se considera que por error en la actualización de febrero del 2000, aún aparece)
- Instituto Guatemalteco de Turismo, INGUAT
- Cuerpo Voluntario de Bomberos, CVB
(En el organigrama anterior se incluía en las entidades autónomas. En el actual organigrama aparece como parte del Ministerio de Cultura y Deportes)

NIVEL 6: Instituciones Financieras

- Instituto de Fomento Municipal, INFOM
- Unidad Ejecutora del Programa de Acueductos Rurales, UNEPAR

NIVEL 7: Empresas Públicas

Aunque no aparecen en el organigrama se consideran en este nivel:

- Empresa Municipal de Agua, EMPAGUA
- Instituto Nacional de Electrificación, INDE

NIVEL 8: Empresas Mixtas

Aunque no aparecen en el organigrama se consideran en este nivel:

- Fondo de Inversión Social, FIS
- Fondo Nacional para La Paz, FONAPAZ

1.2 Organismos Internacionales

Básicamente se distinguen dos tipos: los oficiales gubernamentales, cuya ayuda se brinda en forma bilateral, de gobierno a gobierno, y los multilaterales, o sea los organizados por varios países, como por ejemplo: ONU, OEA, COMUNIDAD EUROPEA, etc.

Son fuente de asistencia para cualquier país azotado por un desastre. La asistencia bilateral, es una de las fuentes más importantes de ayuda externa; se da principalmente en la forma de suministro de mano de obra, suministro de bienes o en efectivo.

La colaboración oficial internacional está sujeta a las disposiciones burocráticas y legales; sin embargo, con anticipación pueden lograrse convenios de cooperación, señalando los distintos aspectos en que se requiera ayuda, así como los esfuerzos que se ofrecerían como contraparte.

Entre algunos organismos internacionales de cooperación que se encuentran activos, con sede en Guatemala están:

- UNICEF Fondo de las Naciones Unidas Para la Infancia
- AID Agencia para el Desarrollo Internacional
- CARE Cooperativa de Remesas al Exterior
- CP Cuerpo de Paz
- Cruz Roja Internacional
- FAO Organización de la Naciones Unidas para la Agricultura y la Alimentación
- ACNUR Oficina del Alto Comisionado de las Naciones Unidas para los Refugiados
- PMA Programa Mundial de Alimentos
- OEA Organización de Estados Americanos
- OPS/OMS Oficina Sanitaria Panamericana, Organización Panamericana de La Salud/
Oficina Regional de la Organización Mundial de la Salud.

1.3 Organizaciones No Gubernamentales³ (ONG's)

Son entidades no lucrativas, sostenidas con fondos recibidos del gobierno o recaudados entre el público y que se dedican, por completo o parcialmente, a proporcionar ayuda a la comunidad, facilitando materiales, expertos voluntarios o dinero. Las hay de dos tipos, nacionales e internacionales, y muchas veces colaboran entre sí creando "canales de distribución" de la ayuda, así como también colaboran con los organismos internacionales, bilaterales o multilaterales. Dentro de estas están:

- ADEPAC, Asociación del Desarrollo para América Central
- ASECSA, Asociación de Servicios Comunitarios de Salud
- ASDENA, Asociación de Salud y Desarrollo comunitario
- IDEAS, Asociación Ideas
- CIF, Centro de Integración Familiar
- CONGCOOP, Coordinación de ONG's y Cooperativas
- IDESAC, Instituto para el Desarrollo Económico y Social de América Central
- PRODESSA, Proyecto de Desarrollo Santiago
- SERCATE, Servicio de Capacitación Técnica y Educativa
- SADEGUA, Servicio y apoyo del Desarrollo de Guatemala
- MEDICOS SIN FRONTERAS
- OXFAM, Oxfam Gran Bretaña

³ Ver anexo, base legal, funciones y ubicación de sedes y subsedes de organismos no gubernamentales.