

Master Plan for Grand Traverse County

Appendix D: 2010 Grand Traverse County and Local Units Land Use/Land Cover

Grand Traverse County
Acme Township
Blair Township
East Bay Charter Township
Fife Lake Township
Fife Lake Village
Garfield Charter Township
Grant Township
Green Lake Township
Kingsley Village
Long Lake Township
Mayfield Township
Paradise Township
Peninsula Township
Traverse City
Union Township
Whitewater Township



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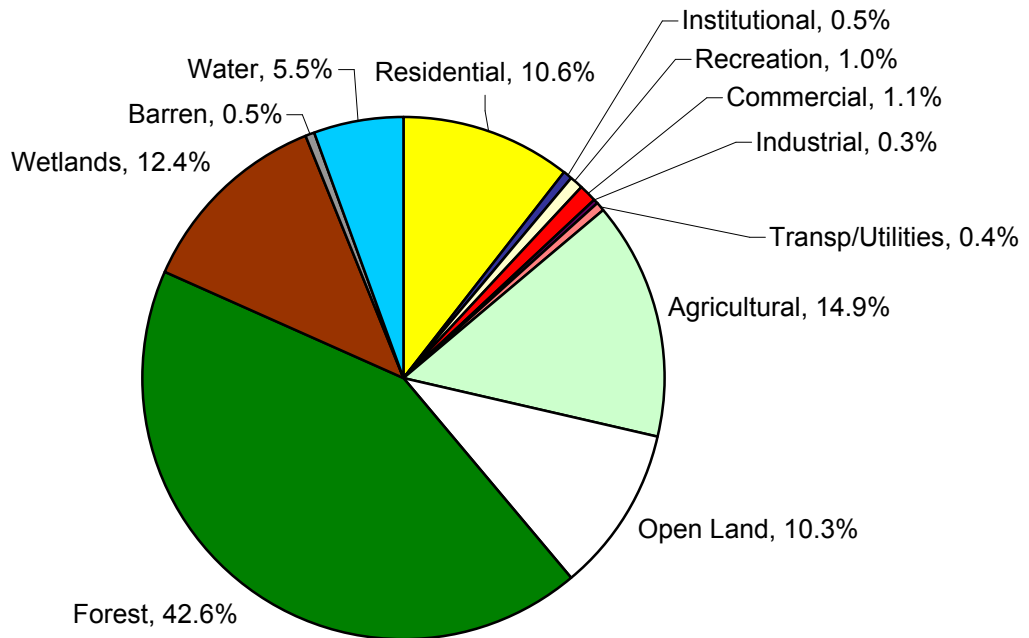
Grand Traverse County Land Use/Land Cover 2010

Michigan				
CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	33,265	10.6%	Residential	33,265
Institutional	1,589	0.5%	<i>Single Family/Duplex Residential</i>	32,246
Recreation	3,025	1.0%	<i>Multiple Family Residential (Low Rise)</i>	522
Commercial	3,440	1.1%	<i>Multiple Family Residential (Med/Hi Rise)</i>	23
Industrial	901	0.3%	<i>Manufactured Home Park</i>	436
Transp/Utilities	1,347	0.4%	<i>Group/Transient Quarters</i>	38
Agricultural	46,805	14.9%	Institutional	1,589
Open Land	32,421	10.3%	Recreation	3,025
Forest	133,966	42.6%	<i>Indoor Cultural/Assembly/Recreation</i>	38
Wetlands	39,037	12.4%	<i>Open Land Recreation</i>	2,987
Barren	1,568	0.5%	Commercial	3,440
Water	17,336	5.5%	Industrial	901
TOTAL ACREAGE	314,700	100.0%	Transportation/Communication/Utilities	1,347

Agricultural	46,805
<i>Cropland</i>	36,358
<i>Orchards/Vineyards</i>	9,007
<i>Confined Feeding Operations</i>	35
<i>Permanent Pasture Lands</i>	1,139
<i>Other Agricultural Lands</i>	267
Grass/Shrublands	32,241
Forest	133,966
<i>Broadleaved Forest</i>	55,204
<i>Coniferous Forest</i>	55,281
<i>Mixed Conifer/Broadleaved Forest</i>	23,481
Wetlands	39,037
<i>Wooded Wetlands</i>	33,190
<i>Non-Wooded Wetlands</i>	5,847
Barren	1,568
<i>Beach/Riverbank</i>	355
<i>Sand Dune/Exposed Bluff</i>	216
<i>Extractive</i>	996
Water	17,336
TOTAL ACREAGE	314,700



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Acme Township Land Use/Land Cover 2010

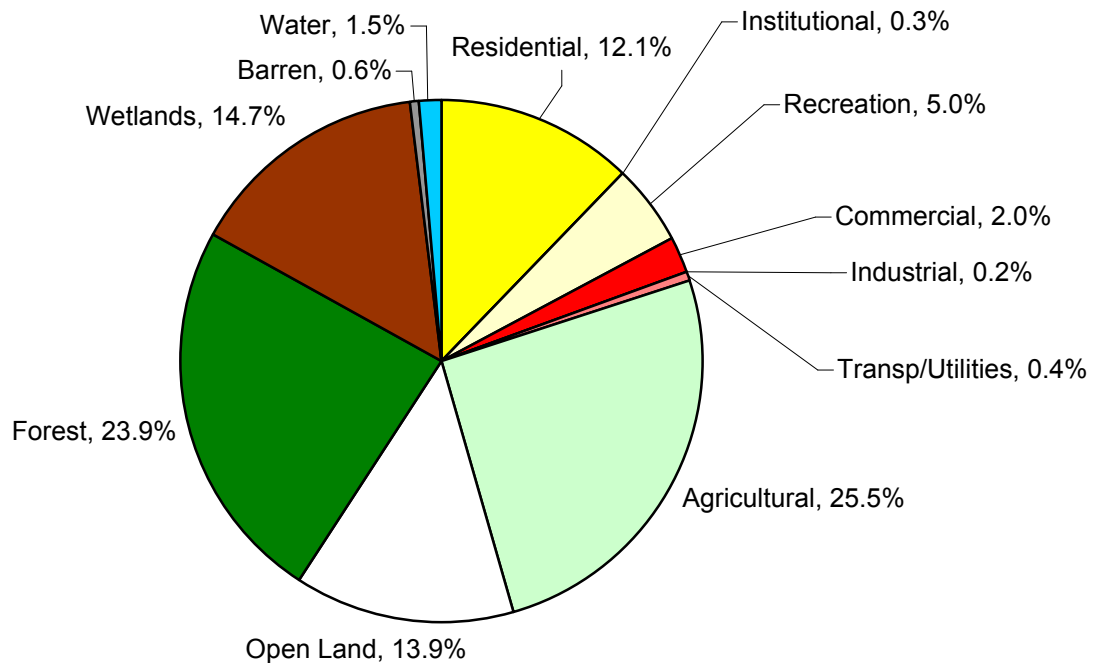
Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	1,876	12.1%	Residential	1,876
Institutional	41	0.3%	<i>Single Family/Duplex Residential</i>	1,795
Recreation	772	5.0%	<i>Multiple Family Residential (Low Rise)</i>	35
Commercial	310	2.0%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	33	0.2%	<i>Manufactured Home Park</i>	46
Transp/Utilities	60	0.4%	<i>Group/Transient Quarters</i>	0
Agricultural	3,960	25.5%	Institutional	41
Open Land	2,151	13.9%	Recreation	772
Forest	3,708	23.9%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	2,288	14.7%	<i>Open Land Recreation</i>	772
Barren	90	0.6%	Commercial	310
Water	233	1.5%	Industrial	33
TOTAL ACREAGE	15,523	100.0%	Transportation/Communication/Utilities	60

Agricultural	3,960
<i>Cropland</i>	2,142
<i>Orchards/Vineyards</i>	1,632
<i>Confined Feeding Operations</i>	0
<i>Permanent Pasture Lands</i>	115
<i>Other Agricultural Lands</i>	71
Grass/Shrublands	2,151
Forest	3,708
<i>Broadleaved Forest</i>	1,248
<i>Coniferous Forest</i>	1,553
<i>Mixed Conifer/Broadleaved Forest</i>	907
Wetlands	2,288
<i>Wooded Wetlands</i>	1,667
<i>Non-Wooded Wetlands</i>	621
Barren	90
<i>Beach/Riverbank</i>	76
<i>Sand Dune/Exposed Bluff</i>	0
<i>Extractive</i>	14
Water	233
TOTAL ACREAGE	15,523



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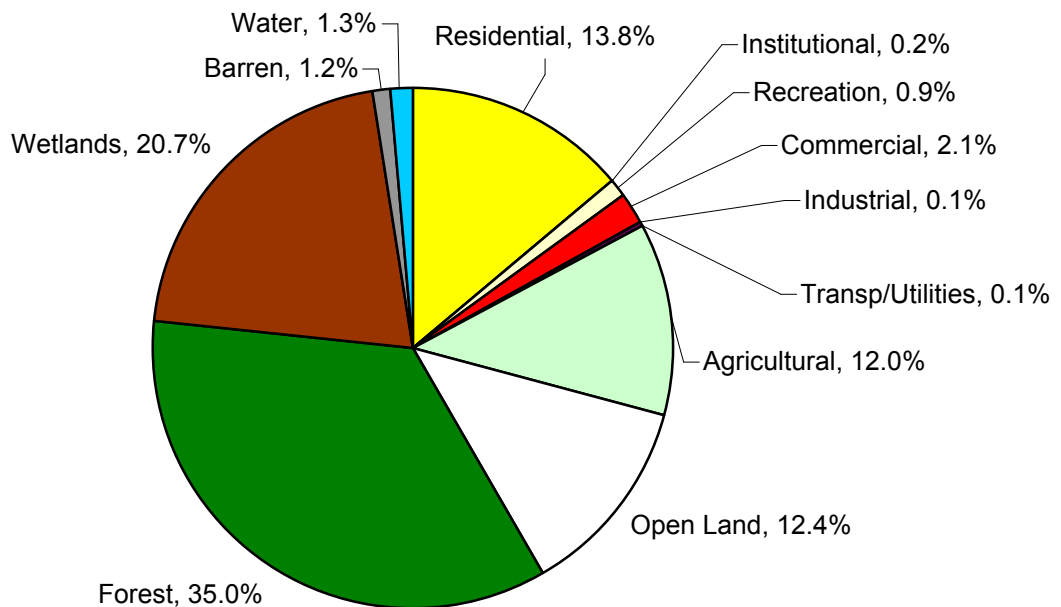
Blair Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	3,177	13.8%	Residential	3,177
Institutional	53	0.2%	<i>Single Family/Duplex Residential</i>	3,138
Recreation	199	0.9%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	492	2.1%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	33	0.1%	<i>Manufactured Home Park</i>	39
Transp/Utilities	22	0.1%	<i>Group/Transient Quarters</i>	0
Agricultural	2,775	12.0%	Institutional	53
Open Land	2,868	12.4%	Recreation	199
Forest	8,068	35.0%	<i>Indoor Cultural/Assembly/Recreation</i>	1
Wetlands	4,784	20.7%	<i>Open Land Recreation</i>	198
Barren	288	1.2%	Commercial	492
Water	297	1.3%	Industrial	33
TOTAL ACREAGE	23,056	100.0%	Transportation/Communication/Utilities	22
			Agricultural	2,775
			<i>Cropland</i>	2,511
			<i>Orchards/Vineyards</i>	230
			<i>Confined Feeding Operations</i>	8
			<i>Permanent Pasture Lands</i>	0
			<i>Other Agricultural Lands</i>	26
			Grass/Shrublands	2,868
			Forest	8,068
			<i>Broadleaved Forest</i>	4,907
			<i>Coniferous Forest</i>	2,742
			<i>Mixed Conifer/Broadleaved Forest</i>	419
			Wetlands	4,784
			<i>Wooded Wetlands</i>	4,667
			<i>Non-Wooded Wetlands</i>	117
			Barren	288
			<i>Beach/Riverbank</i>	6
			<i>Sand Dune/Exposed Bluff</i>	0
			<i>Extractive</i>	282
			Water	297
			TOTAL ACREAGE	23,056



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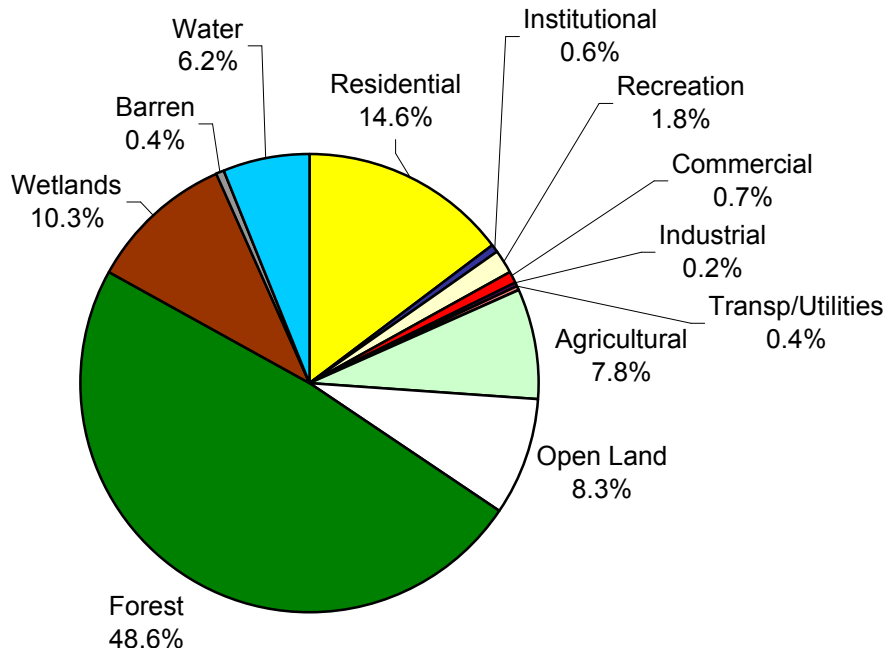
East Bay Charter Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	4,011	14.6%	Residential	4,011
Institutional	163	0.6%	<i>Single Family/Duplex Residential</i>	3,840
Recreation	491	1.8%	<i>Multiple Family Residential (Low Rise)</i>	102
Commercial	205	0.7%	<i>Multiple Family Residential (Med/Hi Rise)</i>	7
Industrial	51	0.2%	<i>Manufactured Home Park</i>	40
Transp/Utilities	101	0.4%	<i>Group/Transient Quarters</i>	22
Agricultural	2,132	7.8%	Institutional	163
Open Land	2,290	8.3%	Recreation	491
Forest	13,335	48.6%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	2,827	10.3%	<i>Open Land Recreation</i>	491
Barren	121	0.4%	Commercial	205
Water	1,703	6.2%	Industrial	51
TOTAL ACREAGE	27,430	100.0%	Transportation/Communication/Utilities	101
			Agricultural	2,132
			<i>Cropland</i>	1,619
			<i>Orchards/Vineyards</i>	502
			<i>Confined Feeding Operations</i>	0
			<i>Permanent Pasture Lands</i>	0
			<i>Other Agricultural Lands</i>	11
			Grass/Shrublands	2,290
			Forest	13,335
			<i>Broadleaved Forest</i>	4,663
			<i>Coniferous Forest</i>	6,880
			<i>Mixed Conifer/Broadleaved Forest</i>	1,792
			Wetlands	2,827
			<i>Wooded Wetlands</i>	2,519
			<i>Non-Wooded Wetlands</i>	308
			Barren	121
			<i>Beach/Riverbank</i>	52
			<i>Sand Dune/Exposed Bluff</i>	26
			<i>Extractive</i>	43
			Water	1,703
			TOTAL ACREAGE	27,430



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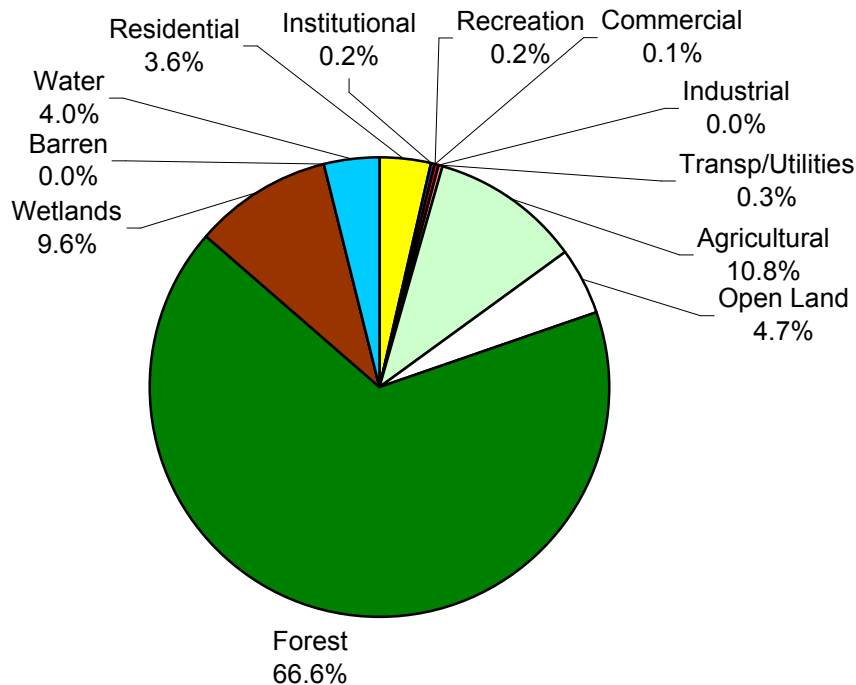
Fife Lake Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	811	3.6%	Residential	811
Institutional	49	0.2%	<i>Single Family/Duplex Residential</i>	809
Recreation	37	0.2%	<i>Multiple Family Residential (Low Rise)</i>	2
Commercial	33	0.1%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	6	0.0%	<i>Manufactured Home Park</i>	0
Transp/Utilities	59	0.3%	<i>Group/Transient Quarters</i>	0
Agricultural	2,452	10.8%	Institutional	49
Open Land	1,075	4.7%	Recreation	37
Forest	15,158	66.6%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	2,181	9.6%	<i>Open Land Recreation</i>	37
Barren	0	0.0%	Commercial	33
Water	912	4.0%	Industrial	6
TOTAL ACREAGE	22,773	100.0%	Transportation/Communication/Utilities	59
			Agricultural	2,452
			<i>Cropland</i>	2,452
			<i>Orchards/Vineyards</i>	0
			<i>Confined Feeding Operations</i>	0
			<i>Permanent Pasture Lands</i>	0
			<i>Other Agricultural Lands</i>	0
			Grass/Shrublands	1,075
			Forest	15,158
			<i>Broadleaved Forest</i>	4,574
			<i>Coniferous Forest</i>	8,779
			<i>Mixed Conifer/Broadleaved Forest</i>	1,805
			Wetlands	2,181
			<i>Wooded Wetlands</i>	1,372
			<i>Non-Wooded Wetlands</i>	809
			Barren	0
			<i>Beach/Riverbank</i>	0
			<i>Sand Dune/Exposed Bluff</i>	0
			<i>Extractive</i>	0
			Water	912
			TOTAL ACREAGE	22,773



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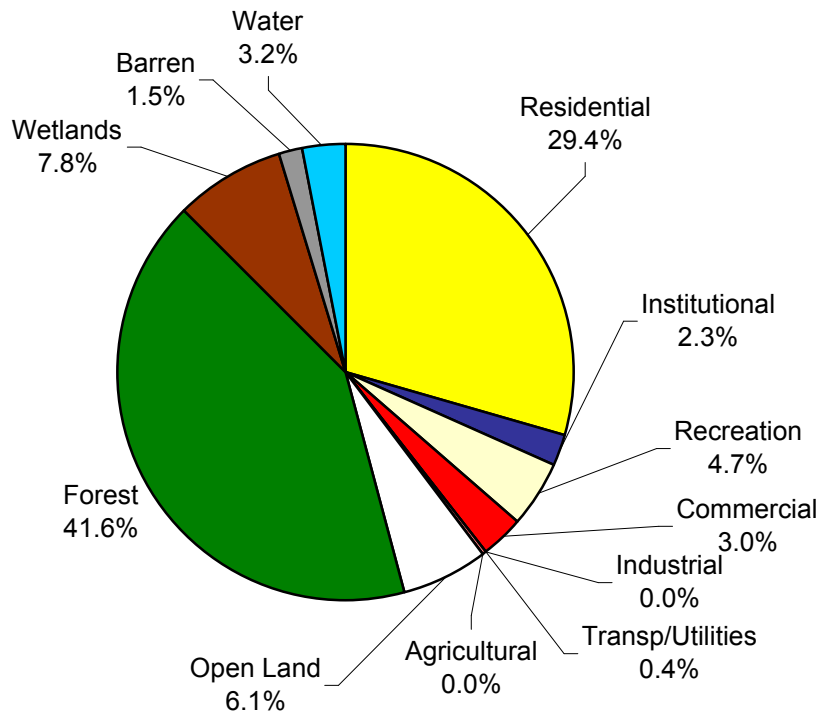
Fife Lake Village Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	139	29.4%	Residential	139
Institutional	11	2.3%	<i>Single Family/Duplex Residential</i>	139
Recreation	22	4.7%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	14	3.0%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	0
Transp/Utilities	2	0.4%	<i>Group/Transient Quarters</i>	0
Agricultural	0	0.0%	Institutional	11
Open Land	29	6.1%	Recreation	22
Forest	197	41.6%	<i>Indoor Cultural/Assembly/Recreation</i>	3
Wetlands	37	7.8%	<i>Open Land Recreation</i>	19
Barren	7	1.5%	Commercial	14
Water	15	3.2%	Industrial	0
TOTAL ACREAGE	473	100.0%	Transportation/Communication/Utilities	2
			Agricultural	0
			<i>Cropland</i>	0
			<i>Orchards/Vineyards</i>	0
			<i>Confined Feeding Operations</i>	0
			<i>Permanent Pasture Lands</i>	0
			<i>Other Agricultural Lands</i>	0
			Grass/Shrublands	29
			Forest	197
			<i>Broadleaved Forest</i>	55
			<i>Coniferous Forest</i>	93
			<i>Mixed Conifer/Broadleaved Forest</i>	49
			Wetlands	37
			<i>Wooded Wetlands</i>	8
			<i>Non-Wooded Wetlands</i>	29
			Barren	7
			<i>Beach/Riverbank</i>	1
			<i>Sand Dune/Exposed Bluff</i>	0
			<i>Extractive</i>	6
			Water	15
			TOTAL ACREAGE	473



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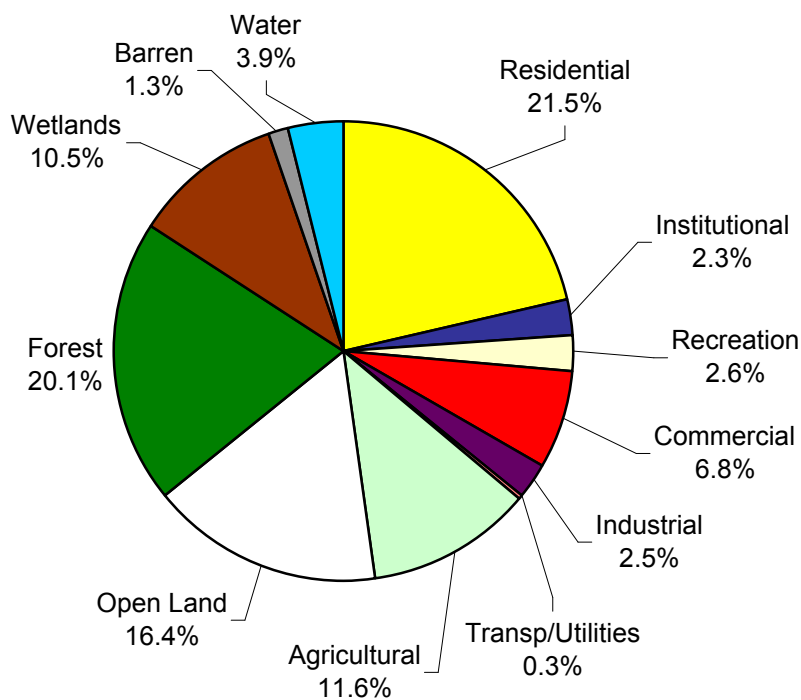
Garfield Charter Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	3,823	21.5%	Residential	3,823
Institutional	409	2.3%	<i>Single Family/Duplex Residential</i>	3,341
Recreation	470	2.6%	<i>Multiple Family Residential (Low Rise)</i>	213
Commercial	1,216	6.8%	<i>Multiple Family Residential (Med/Hi Rise)</i>	1
Industrial	451	2.5%	<i>Manufactured Home Park</i>	255
Transp/Utilities	58	0.3%	<i>Group/Transient Quarters</i>	13
Agricultural	2,060	11.6%	Institutional	409
Open Land	2,927	16.4%	Recreation	470
Forest	3,576	20.1%	<i>Indoor Cultural/Assembly/Recreation</i>	3
Wetlands	1,873	10.5%	<i>Open Land Recreation</i>	467
Barren	235	1.3%	Commercial	1,216
Water	701	3.9%	Industrial	451
TOTAL ACREAGE	17,799	100.0%	Transportation/Communication/Utilities	58
			Agricultural	2,060
			<i>Cropland</i>	1,496
			<i>Orchards/Vineyards</i>	95
			<i>Confined Feeding Operations</i>	10
			<i>Permanent Pasture Lands</i>	355
			<i>Other Agricultural Lands</i>	104
			Grass/Shrublands	2,927
			Forest	3,576
			<i>Broadleaved Forest</i>	1,761
			<i>Coniferous Forest</i>	1,074
			<i>Mixed Conifer/Broadleaved Forest</i>	741
			Wetlands	1,873
			<i>Wooded Wetlands</i>	1,742
			<i>Non-Wooded Wetlands</i>	131
			Barren	235
			<i>Beach/Riverbank</i>	37
			<i>Sand Dune/Exposed Bluff</i>	36
			<i>Extractive</i>	162
			Water	701
			TOTAL ACREAGE	17,799



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Green Lake Township Land Use/Land Cover 2010

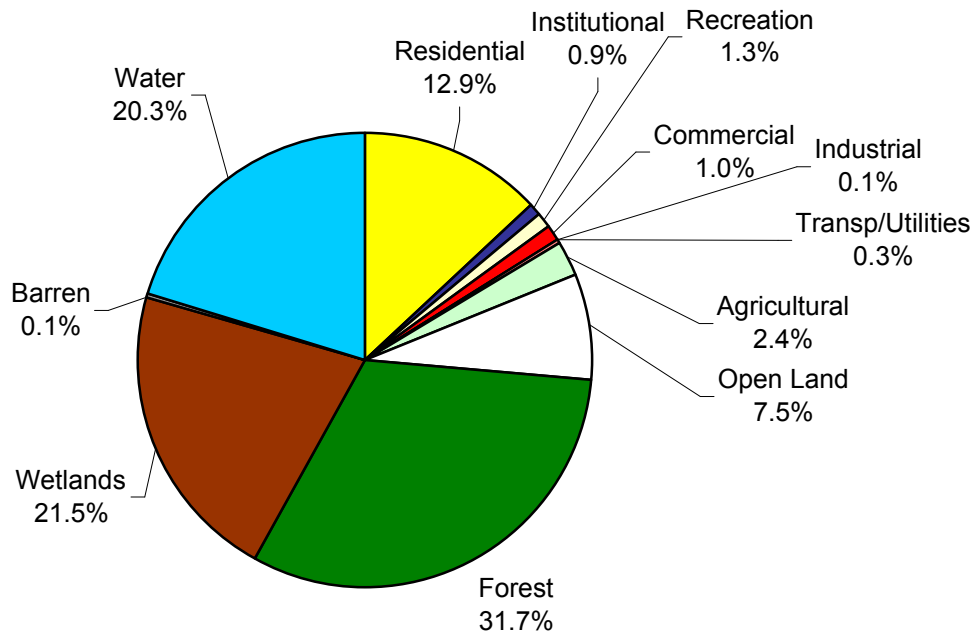
Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	3,013	12.9%	Residential	3,013
Institutional	204	0.9%	<i>Single Family/Duplex Residential</i>	3,011
Recreation	295	1.3%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	224	1.0%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	28	0.1%	<i>Manufactured Home Park</i>	2
Transp/Utilities	75	0.3%	<i>Group/Transient Quarters</i>	0
Agricultural	551	2.4%	Institutional	204
Open Land	1,749	7.5%	Recreation	295
Forest	7,388	31.7%	<i>Indoor Cultural/Assembly/Recreation</i>	2
Wetlands	5,008	21.5%	<i>Open Land Recreation</i>	293
Barren	28	0.1%	Commercial	224
Water	4,732	20.3%	Industrial	28
TOTAL ACREAGE	23,295	100.0%	Transportation/Communication/Utilities	75

Agricultural	551
<i>Cropland</i>	509
<i>Orchards/Vineyards</i>	4
<i>Confined Feeding Operations</i>	0
<i>Permanent Pasture Lands</i>	31
<i>Other Agricultural Lands</i>	7
Grass/Shrublands	1,749
Forest	7,388
<i>Broadleaved Forest</i>	2,519
<i>Coniferous Forest</i>	2,597
<i>Mixed Conifer/Broadleaved Forest</i>	2,272
Wetlands	5,008
<i>Wooded Wetlands</i>	4,570
<i>Non-Wooded Wetlands</i>	438
Barren	28
<i>Beach/Riverbank</i>	0
<i>Sand Dune/Exposed Bluff</i>	0
<i>Extractive</i>	28
Water	4,732
TOTAL ACREAGE	23,295



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Grant Township Land Use/Land Cover 2010

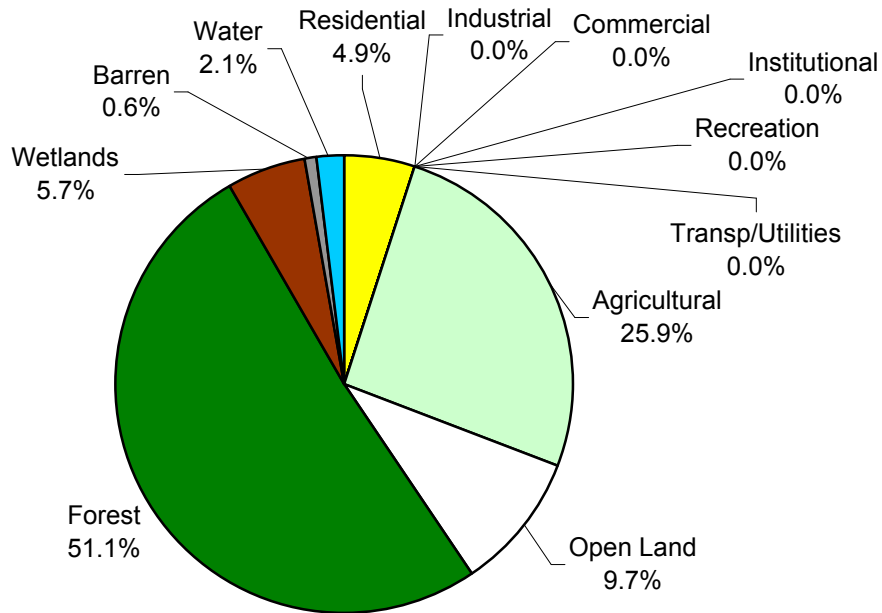
Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	1,130	4.9%	Residential	1,130
Institutional	1	0.0%	<i>Single Family/Duplex Residential</i>	1,130
Recreation	11	0.0%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	10	0.0%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	0
Transp/Utilities	1	0.0%	<i>Group/Transient Quarters</i>	0
Agricultural	5,947	25.9%	Institutional	1
Open Land	2,224	9.7%	Recreation	11
Forest	11,750	51.1%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	1,304	5.7%	<i>Open Land Recreation</i>	11
Barren	140	0.6%	Commercial	10
Water	479	2.1%	Industrial	0
TOTAL ACREAGE	22,997	100.0%	Transportation/Communication/Utilities	1

Agricultural	5,947
<i>Cropland</i>	5,867
<i>Orchards/Vineyards</i>	0
<i>Confined Feeding Operations</i>	6
<i>Permanent Pasture Lands</i>	68
<i>Other Agricultural Lands</i>	6
Grass/Shrublands	2,224
Forest	11,750
<i>Broadleaved Forest</i>	7,639
<i>Coniferous Forest</i>	2,155
<i>Mixed Conifer/Broadleaved Forest</i>	1,956
Wetlands	1,304
<i>Wooded Wetlands</i>	1,022
<i>Non-Wooded Wetlands</i>	282
Barren	140
<i>Beach/Riverbank</i>	22
<i>Sand Dune/Exposed Bluff</i>	7
<i>Extractive</i>	111
Water	479
TOTAL ACREAGE	22,997



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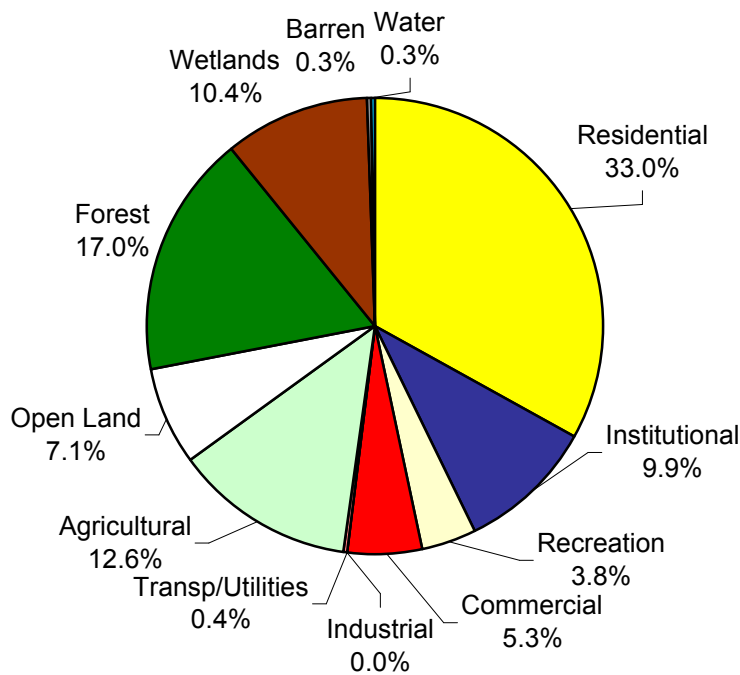
Kingsley Village Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	254	33.0%	Residential	254
Institutional	76	9.9%	<i>Single Family/Duplex Residential</i>	210
Recreation	29	3.8%	<i>Multiple Family Residential (Low Rise)</i>	3
Commercial	41	5.3%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	41
Transp/Utilities	3	0.4%	<i>Group/Transient Quarters</i>	0
Agricultural	97	12.6%	Institutional	76
Open Land	55	7.1%	Recreation	29
Forest	131	17.0%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	80	10.4%	<i>Open Land Recreation</i>	29
Barren	2	0.3%	Commercial	41
Water	2	0.3%	Industrial	0
TOTAL ACREAGE	770	100.0%	Transportation/Communication/Utilities	3
			Agricultural	97
			<i>Cropland</i>	97
			<i>Orchards/Vineyards</i>	0
			<i>Confined Feeding Operations</i>	0
			<i>Permanent Pasture Lands</i>	0
			<i>Other Agricultural Lands</i>	0
			Grass/Shrublands	55
			Forest	131
			<i>Broadleaved Forest</i>	69
			<i>Coniferous Forest</i>	60
			<i>Mixed Conifer/Broadleaved Forest</i>	2
			Wetlands	80
			<i>Wooded Wetlands</i>	74
			<i>Non-Wooded Wetlands</i>	6
			Barren	2
			<i>Beach/Riverbank</i>	0
			<i>Sand Dune/Exposed Bluff</i>	1
			<i>Extractive</i>	1
			Water	2
			TOTAL ACREAGE	770



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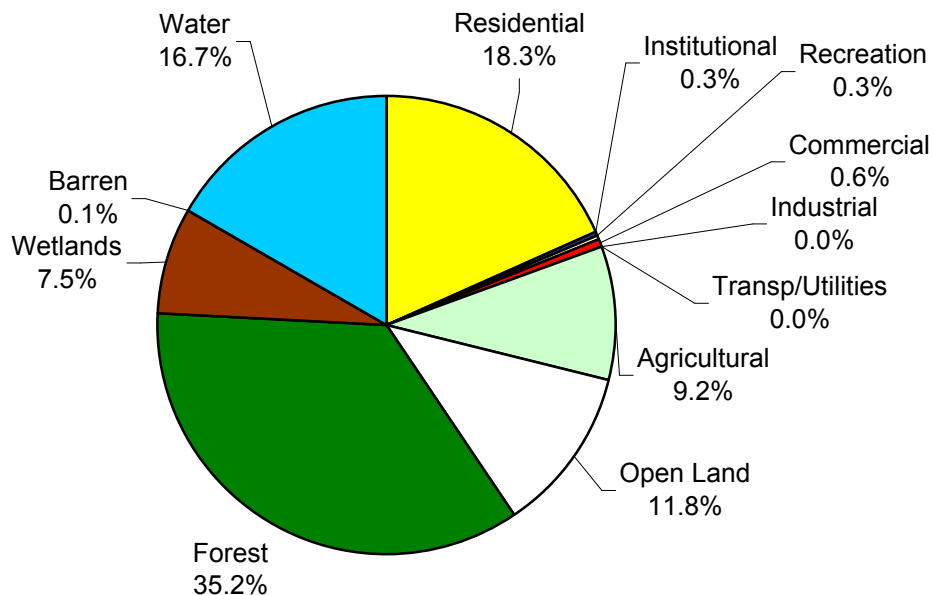
Long Lake Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	4,195	18.3%	Residential	4,195
Institutional	59	0.3%	<i>Single Family/Duplex Residential</i>	4,156
Recreation	71	0.3%	<i>Multiple Family Residential (Low Rise)</i>	26
Commercial	141	0.6%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	13
Transp/Utilities	7	0.0%	<i>Group/Transient Quarters</i>	0
Agricultural	2,108	9.2%	Institutional	59
Open Land	2,698	11.8%	Recreation	71
Forest	8,060	35.2%	<i>Indoor Cultural/Assembly/Recreation</i>	7
Wetlands	1,706	7.5%	<i>Open Land Recreation</i>	64
Barren	15	0.1%	Commercial	141
Water	3,827	16.7%	Industrial	0
TOTAL ACREAGE	22,887	100.0%	Transportation/Communication/Utilities	7
			Agricultural	2,108
			<i>Cropland</i>	1,760
			<i>Orchards/Vineyards</i>	161
			<i>Confined Feeding Operations</i>	0
			<i>Permanent Pasture Lands</i>	177
			<i>Other Agricultural Lands</i>	10
			Grass/Shrublands	2,698
			Forest	8,060
			<i>Broadleaved Forest</i>	4,011
			<i>Coniferous Forest</i>	3,275
			<i>Mixed Conifer/Broadleaved Forest</i>	774
			Wetlands	1,706
			<i>Wooded Wetlands</i>	1,372
			<i>Non-Wooded Wetlands</i>	334
			Barren	15
			<i>Beach/Riverbank</i>	0
			<i>Sand Dune/Exposed Bluff</i>	0
			<i>Extractive</i>	15
			Water	3,827
			TOTAL ACREAGE	22,887



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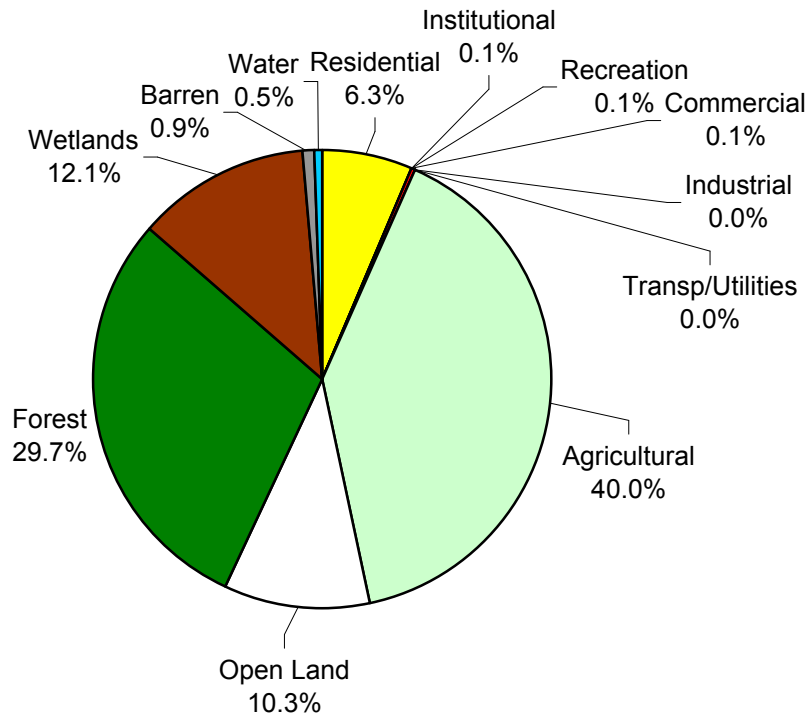
Mayfield Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	1,462	6.3%	Residential	1,462
Institutional	15	0.1%	<i>Single Family/Duplex Residential</i>	1,456
Recreation	25	0.1%	<i>Multiple Family Residential (Low Rise)</i>	6
Commercial	21	0.1%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	0
Transp/Utilities	1	0.0%	<i>Group/Transient Quarters</i>	0
Agricultural	9,224	40.0%	Institutional	15
Open Land	2,368	10.3%	Recreation	25
Forest	6,851	29.7%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	2,788	12.1%	<i>Open Land Recreation</i>	25
Barren	209	0.9%	Commercial	21
Water	116	0.5%	Industrial	0
TOTAL ACREAGE	23,080	100.0%	Transportation/Communication/Utilities	1
			Agricultural	9,224
			<i>Cropland</i>	9,172
			<i>Orchards/Vineyards</i>	0
			<i>Confined Feeding Operations</i>	4
			<i>Permanent Pasture Lands</i>	45
			<i>Other Agricultural Lands</i>	3
			Grass/Shrublands	2,368
			Forest	6,851
			<i>Broadleaved Forest</i>	4,345
			<i>Coniferous Forest</i>	2,179
			<i>Mixed Conifer/Broadleaved Forest</i>	327
			Wetlands	2,788
			<i>Wooded Wetlands</i>	2,255
			<i>Non-Wooded Wetlands</i>	533
			Barren	209
			<i>Beach/Riverbank</i>	6
			<i>Sand Dune/Exposed Bluff</i>	0
			<i>Extractive</i>	203
			Water	116
			TOTAL ACREAGE	23,080



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Paradise Township Land Use/Land Cover 2010

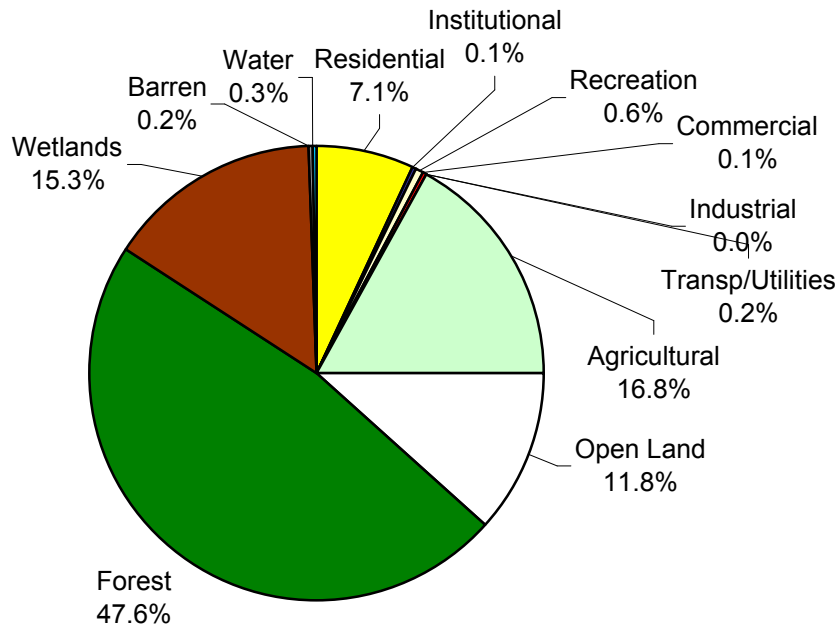
Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	2,342	7.1%	Residential	2,342
Institutional	37	0.1%	<i>Single Family/Duplex Residential</i>	2,342
Recreation	213	0.6%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	46	0.1%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	0
Transp/Utilities	52	0.2%	<i>Group/Transient Quarters</i>	0
Agricultural	5,584	16.8%	Institutional	37
Open Land	3,907	11.8%	Recreation	213
Forest	15,781	47.6%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	5,071	15.3%	<i>Open Land Recreation</i>	213
Barren	61	0.2%	Commercial	46
Water	94	0.3%	Industrial	0
TOTAL ACREAGE	33,188	100.0%	Transportation/Communication/Utilities	52



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Agricultural	5,584
<i>Cropland</i>	5,369
<i>Orchards/Vineyards</i>	0
<i>Confined Feeding Operations</i>	7
<i>Permanent Pasture Lands</i>	208
<i>Other Agricultural Lands</i>	0
Grass/Shrublands	3,907
Forest	15,781
<i>Broadleaved Forest</i>	5,958
<i>Coniferous Forest</i>	7,548
<i>Mixed Conifer/Broadleaved Forest</i>	2,275
Wetlands	5,071
<i>Wooded Wetlands</i>	4,154
<i>Non-Wooded Wetlands</i>	917
Barren	61
<i>Beach/Riverbank</i>	0
<i>Sand Dune/Exposed Bluff</i>	18
<i>Extractive</i>	43
Water	94
TOTAL ACREAGE	33,188



Peninsula Township Land Use/Land Cover 2010

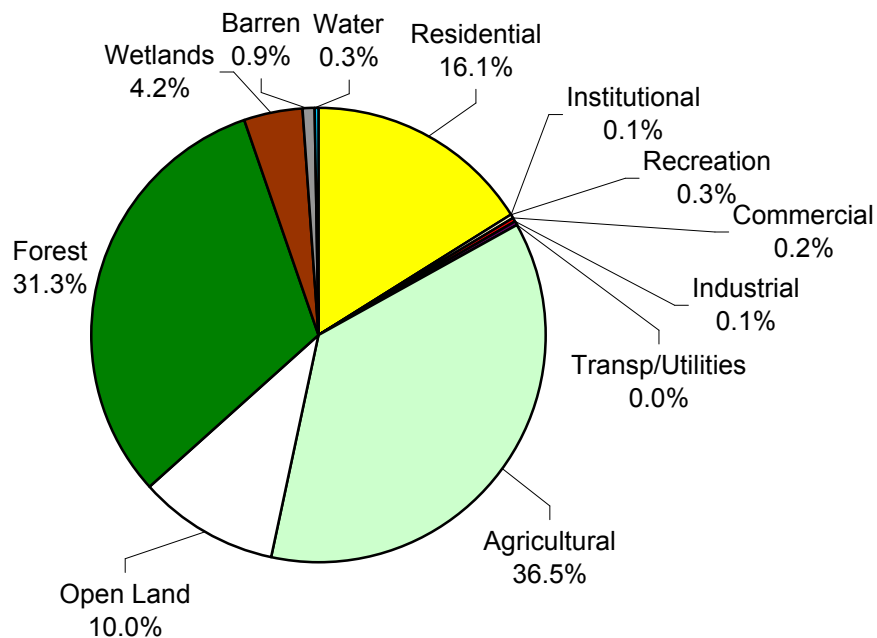
Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	2,876	16.1%	Residential	2,876
Institutional	23	0.1%	<i>Single Family/Duplex Residential</i>	2,870
Recreation	55	0.3%	<i>Multiple Family Residential (Low Rise)</i>	6
Commercial	43	0.2%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	17	0.1%	<i>Manufactured Home Park</i>	0
Transp/Utilities	4	0.0%	<i>Group/Transient Quarters</i>	0
Agricultural	6,529	36.5%	Institutional	23
Open Land	1,796	10.0%	Recreation	55
Forest	5,598	31.3%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	746	4.2%	<i>Open Land Recreation</i>	55
Barren	155	0.9%	Commercial	43
Water	50	0.3%	Industrial	17
TOTAL ACREAGE	17,892	100.0%	Transportation/Communication/Utilities	4

Agricultural	6,529
<i>Cropland</i>	1,865
<i>Orchards/Vineyards</i>	4,591
<i>Confined Feeding Operations</i>	0
<i>Permanent Pasture Lands</i>	44
<i>Other Agricultural Lands</i>	29
Grass/Shrublands	1,796
Forest	5,598
<i>Broadleaved Forest</i>	3,590
<i>Coniferous Forest</i>	976
<i>Mixed Conifer/Broadleaved Forest</i>	1,032
Wetlands	746
<i>Wooded Wetlands</i>	618
<i>Non-Wooded Wetlands</i>	128
Barren	155
<i>Beach/Riverbank</i>	147
<i>Sand Dune/Exposed Bluff</i>	0
<i>Extractive</i>	8
Water	50
TOTAL ACREAGE	17,892



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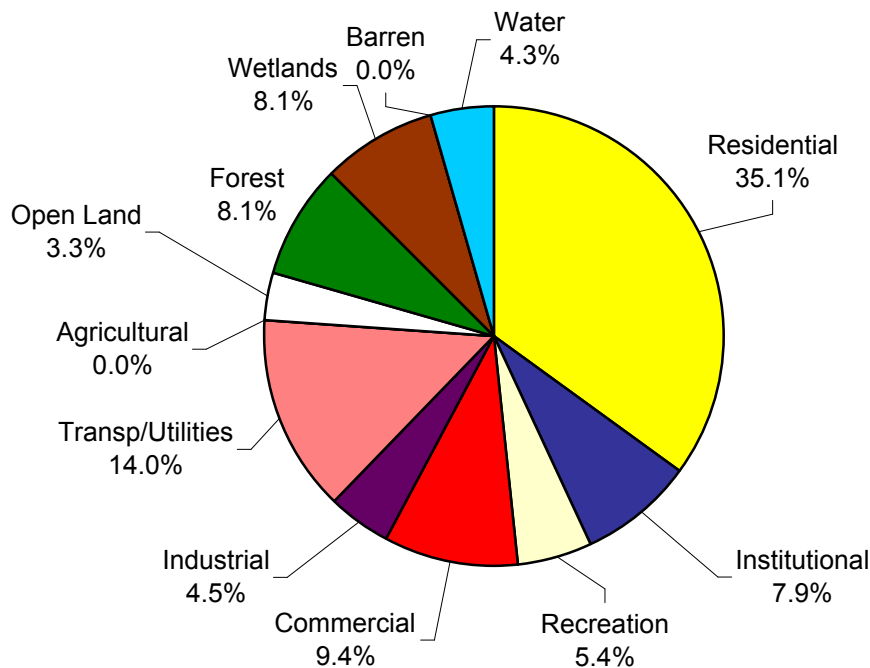
Traverse City Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	1,859	35.1%	Residential	1,859
Institutional	418	7.9%	<i>Single Family/Duplex Residential</i>	1,712
Recreation	284	5.4%	<i>Multiple Family Residential (Low Rise)</i>	130
Commercial	498	9.4%	<i>Multiple Family Residential (Med/Hi Rise)</i>	14
Industrial	240	4.5%	<i>Manufactured Home Park</i>	1
Transp/Utilities	741	14.0%	<i>Group/Transient Quarters</i>	2
Agricultural	0	0.0%	Institutional	418
Open Land	175	3.3%	Recreation	284
Forest	427	8.1%	<i>Indoor Cultural/Assembly/Recreation</i>	22
Wetlands	428	8.1%	<i>Open Land Recreation</i>	262
Barren	2	0.0%	Commercial	498
Water	229	4.3%	Industrial	240
TOTAL ACREAGE	5,301	100.0%	Transportation/Communication/Utilities	741
			Agricultural	0
			<i>Cropland</i>	0
			<i>Orchards/Vineyards</i>	0
			<i>Confined Feeding Operations</i>	0
			<i>Permanent Pasture Lands</i>	0
			<i>Other Agricultural Lands</i>	0
			Grass/Shrublands	175
			Forest	427
			<i>Broadleaved Forest</i>	293
			<i>Coniferous Forest</i>	69
			<i>Mixed Conifer/Broadleaved Forest</i>	65
			Wetlands	428
			<i>Wooded Wetlands</i>	264
			<i>Non-Wooded Wetlands</i>	164
			Barren	2
			<i>Beach/Riverbank</i>	2
			<i>Sand Dune/Exposed Bluff</i>	0
			<i>Extractive</i>	0
			Water	229
			TOTAL ACREAGE	5,301



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Union Township Land Use/Land Cover 2010

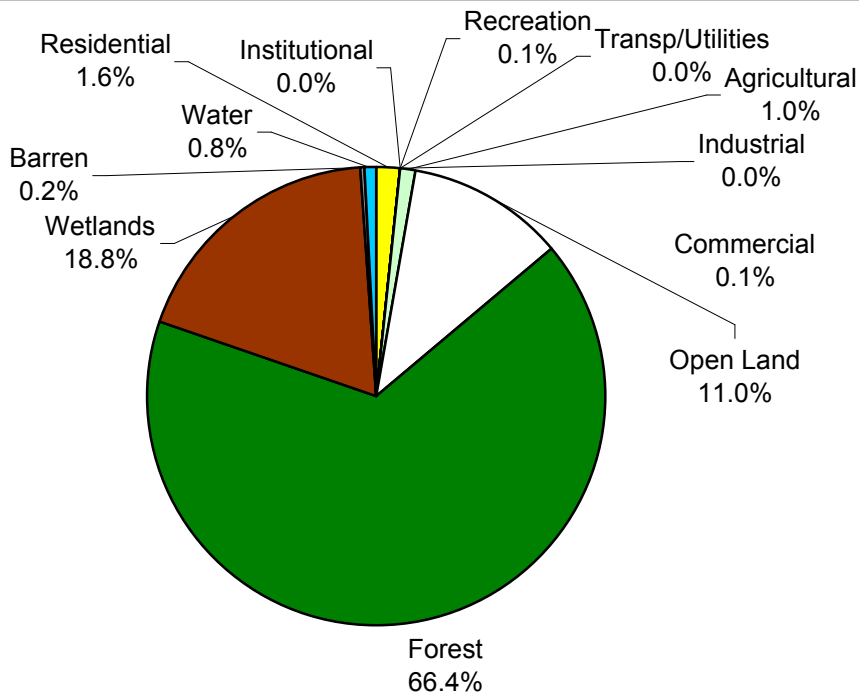
Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	368	1.6%	Residential	368
Institutional	2	0.0%	<i>Single Family/Duplex Residential</i>	368
Recreation	13	0.1%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	15	0.1%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	0	0.0%	<i>Manufactured Home Park</i>	0
Transp/Utilities	4	0.0%	<i>Group/Transient Quarters</i>	0
Agricultural	230	1.0%	Institutional	2
Open Land	2,547	11.0%	Recreation	13
Forest	15,356	66.4%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	4,334	18.8%	<i>Open Land Recreation</i>	13
Barren	53	0.2%	Commercial	15
Water	192	0.8%	Industrial	0
TOTAL ACREAGE	23,114	100.0%	Transportation/Communication/Utilities	4



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Agricultural	230
<i>Cropland</i>	170
<i>Orchards/Vineyards</i>	0
<i>Confined Feeding Operations</i>	0
<i>Permanent Pasture Lands</i>	60
<i>Other Agricultural Lands</i>	0
Grass/Shrublands	2,547
Forest	15,356
<i>Broadleaved Forest</i>	2,702
<i>Coniferous Forest</i>	7,294
<i>Mixed Conifer/Broadleaved Forest</i>	5,360
Wetlands	4,334
<i>Wooded Wetlands</i>	3,713
<i>Non-Wooded Wetlands</i>	621
Barren	53
<i>Beach/Riverbank</i>	0
<i>Sand Dune/Exposed Bluff</i>	15
<i>Extractive</i>	38
Water	192
TOTAL ACREAGE	23,114



Whitewater Township Land Use/Land Cover 2010

Grand Traverse County, Michigan

CLASSIFICATION	ACRES	PERCENT	SUB CLASSIFICATION	ACRES
Residential	1,929	5.5%	Residential	1,929
Institutional	29	0.1%	<i>Single Family/Duplex Residential</i>	1,929
Recreation	38	0.1%	<i>Multiple Family Residential (Low Rise)</i>	0
Commercial	130	0.4%	<i>Multiple Family Residential (Med/Hi Rise)</i>	0
Industrial	41	0.1%	<i>Manufactured Home Park</i>	0
Transp/Utilities	155	0.4%	<i>Group/Transient Quarters</i>	0
Agricultural	3,154	9.0%	Institutional	29
Open Land	3,383	9.7%	Recreation	38
Forest	18,584	53.2%	<i>Indoor Cultural/Assembly/Recreation</i>	0
Wetlands	3,583	10.3%	<i>Open Land Recreation</i>	38
Barren	164	0.5%	Commercial	130
Water	3,752	10.7%	Industrial	41
TOTAL ACREAGE	34,942	100.0%	Transportation/Communication/Utilities	155

Agricultural	3,154
<i>Cropland</i>	1,328
<i>Orchards/Vineyards</i>	1,792
<i>Confined Feeding Operations</i>	0
<i>Permanent Pasture Lands</i>	34
<i>Other Agricultural Lands</i>	0
Grass/Shrublands	3,383
Forest	18,584
<i>Broadleaved Forest</i>	6,870
<i>Coniferous Forest</i>	8,008
<i>Mixed Conifer/Broadleaved Forest</i>	3,706
Wetlands	3,583
<i>Wooded Wetlands</i>	3,173
<i>Non-Wooded Wetlands</i>	410
Barren	164
<i>Beach/Riverbank</i>	7
<i>Sand Dune/Exposed Bluff</i>	114
<i>Extractive</i>	43
Water	3,752
TOTAL ACREAGE	34,942



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