



Section 0

Environmental Conservation and Recreation

State-Owned Recreational
Facilities and Campsites

State Parks and Historic Sites

Seedlings Distributed

Forest Fires, Products
and Management

Sewage Treatment Plants

Conservation Law Enforcement

Search and Rescue Missions

Hunting, Fishing and
Trapping Licenses

Deer Take

Motor Boat and
Snowmobile Registrations

Fish Hatchery Distributions

Recreational and
Commercial Fishing

Earthquakes

Air Pollution

Solid and Hazardous
Waste Disposal Sites



- O-1 Acreage of and Attendance at State-Owned Public Campsites Within the Adirondack and Catskill Forest Preserves: 1995-2001
 - O-2 Public Use of State-Owned Summer Recreational Facilities Within the Adirondack and Catskill Forest Preserves, NYS: 1975-2001
 - O-3 Public and Commercial Camping Facilities by State Park Region: Fiscal Year 1998-99
 - O-4 Public and Commercial Day Use Facilities by Operator: 2001
 - O-5 Public and Commercial Day Use Facilities by State Park Region: 2001
 - O-6 Public and Commercial Camping Facilities by Operator: 2001
 - O-7 Attendance at Selected State-Owned Recreational Facilities Within the Adirondack and Catskill Forest Preserves, NYS: 1992-2001
 - O-8 Acreage of and Attendance at State Parks and Historic Sites, NYS by Region: Fiscal Years 1994-95 — 2000-01
 - O-9 Acreage of and Attendance at Facilities Operated by the Office of Parks, Recreation and Historic Preservation: Fiscal Years 1994-95 — 2000-01
 - O-10 Attendance at State Parks and Historic Sites by Type of Activity, NYS: Fiscal Years 1994-95 — 2000-01
 - O-11 Tour Participants at the State Capitol, Executive Mansion and Corning Tower: Fiscal Years 1994-95 — 2000-01
 - O-12 State-Owned Lands Under Jurisdiction of the Department of Environmental Conservation, NYS: Selected Years 1950-2000
 - O-13 Cooperative Forest Management, NYS: Fiscal Years 1980-81 — 2000-01
 - O-14 Primary Use Impairment and Severity of Water Quality Problem for Each Segment Type, NYS: 1999
 - O-15 Seedlings Distributed from the State-Owned Saratoga Nursery, NYS: 1975-1998
 - O-16 Sales of Forest Products from State-Owned Forests, NYS: 1975-2000
 - O-17 Forest Fires and Acres Burned, NYS: Selected Years 1955-2000
 - O-18 Search and Rescue Missions, NYS: 1963-2000
 - O-19 Resident Hunting, Fishing and Trapping Licenses by Type, NYS: Selected Years 1940-2000
 - O-20 Hunting Accidents, Fatal and Nonfatal, NYS: 1940-2000
 - O-21 Calculated Deer Take, NYS: Selected Years 1965-2000
 - O-22 Resident and Nonresident Hunting, Fishing and Trapping Licenses by Type, NYS by County: License Year Ended September 30, 2001
 - O-23 Environmental Conservation, Division of Law Enforcement, Annual Activity, NYS: Fiscal Years 1995-96 — 2000-01
 - O-24 Motorboat and Snowmobile Registrations, NYS by County: 1997-1999 Average and 2000
 - O-25 Fish Distributed by State Hatcheries, NYS: Selected Fiscal Years 1949-50 — 2000-01
 - O-26 Fish Distributed by State Hatcheries by Size and Species, NYS: Fiscal Year 2000-01
 - O-27 Marine Recreational Fish Catch, NYS: 1993-2000
 - O-28 Marine Commercial Fishing, Value of Products, NYS 1993-2000
 - O-29 Marine Commercial Fishing Licenses, NYS: 1995-2000
 - O-30 Location and Intensity of Significant Earthquakes in NYS: 1737-2001
 - O-31 Air Pollution by Types of Contaminant, NYS: 1964-2001
 - O-32 Air Pollution Sources by Permit Type, NYS by County: As of November 9, 2001
 - O-33 Active Solid Waste Disposal Sites, NYS by County: Selected Years 1970-2001
 - O-34 Hazardous Waste Sites Confirmed or Suspected, by Class, NYS: November 2001
- Figures**
- O-1 New York State Park Regions: 2002
 - O-2 Location and Intensity of Significant Earthquakes, NYS: 1737-2001
 - O-3 Mineral Resources, NYS: 2002

TABLE O-1
Acreeage of and Attendance at State-Owned Public Campgrounds
Within the Adirondack and Catskill Forest Preserves
1995-2001

Campsite	County	Acres Developed	Attendance						
			1995(a)	1996	1997	1998	1999	2000	2001
New York State		6,452	1,457,713	1,380,857	1,410,756	1,410,792	1,424,218	1,419,427	1,574,749
Alger Island	Herkimer	45	3,755	3,846	3,813	5,276	5,399	5,310	5,945
Ausable Point	Clinton	30	47,586	43,747	46,498	42,565	47,682	44,148	62,564
Beaverkill	Sullivan	62	15,093	11,672	11,218	13,394	14,324	14,214	16,914
Brown Tract Pond	Hamilton	20	11,934	11,774	10,600	10,593	10,271	9,417	10,413
Buck Pond	Hamilton	150	17,735	16,744	15,620	14,569	15,567	15,723	17,049
Caroga Lake	Fulton	40	22,458	20,964	20,301	20,476	22,280	18,646	15,637
Cranberry Lake	St. Lawrence	90	35,706	32,580	30,153	33,103	31,915	34,009	36,228
Crown Point	Essex	39	16,213	16,078	14,037	12,540	10,175	10,004	18,634
Devil's Tombstone	Greene	24	5,159	5,148	5,006	5,002	4,469	4,185	4,165
Eagle Point	Warren	16	16,695	14,964	15,006	16,765	15,805	14,796	14,558
Eighth Lake	Hamilton	75	35,845	33,206	34,539	34,729	31,762	36,319	36,039
Fish Creek Pond	Franklin	121	101,590	101,944	99,333	102,651	101,955	112,989	119,691
Forked Lake	Hamilton	27	12,605	11,496	10,385	9,352	9,823	8,976	9,290
Fourth Lake Day Use Area	Herkimer	10	1,066	1,221	941	1,050	1,120	965	1,239
Golden Beach	Hamilton	40	40,536	37,114	36,482	38,394	40,093	37,980	37,371
Hearthstone Point	Warren	89	55,518	53,861	56,161	56,412	57,799	56,122	57,426
Hinckley Reservoir	Herkimer	2,782	12,580	10,247	9,955	10,449	11,905	8,051	11,418
Indian Lake Islands	Hamilton	15	15,387	14,964	16,619	17,831	18,167	17,058	17,310
Lake Durant	Hamilton	25	18,807	19,041	17,550	16,909	15,978	16,842	17,430
Lake Eaton	Hamilton	30	24,087	24,975	22,352	24,933	24,936	25,884	29,386
Lake George Battleground	Warren	12	20,433	17,859	17,652	17,579	18,191	17,488	21,107
Lake George Islands	Warren	305	99,257	92,823	98,019	82,288	87,258	80,900	85,254
Lake Harris	Essex	21	13,665	11,771	10,973	11,886	12,671	11,319	13,134
Lewey Lake	Hamilton	40	39,082	38,991	37,675	37,237	33,827	37,363	35,439
Limekilin Lake	Hamilton	50	37,119	32,673	32,478	34,844	35,355	34,566	35,531
Lincoln Pond	Essex	160	9,363	8,427	9,323	9,852	10,886	11,130	12,620
Little Pond	Delaware	46	18,662	15,961	19,020	19,470	17,813	17,408	18,561
Little Sand Point	Hamilton	20	11,317	10,340	9,227	9,477	10,343	12,882	12,132
Luzerne	Warren	625	37,363	35,158	38,006	37,358	39,267	36,913	39,132
Meacham Lake	Franklin	100	42,600	38,689	40,620	39,699	46,383	47,838	53,198
Meadowbrook	Essex	13	9,100	9,053	6,820	6,761	7,365	6,668	7,257
Moffitt Beach	Hamilton	75	50,593	46,441	45,581	49,475	49,105	47,340	51,385
Mongaup Pond	Sullivan	275	42,259	38,881	43,032	45,987	41,517	39,203	45,462
Nicks Lake	Herkimer	200	39,249	38,245	40,604	39,553	36,676	40,762	43,603
Northampton Beach	Fulton	60	94,729	81,636	93,670	95,467	102,163	104,568	133,316
North/South Lake	Greene	128	109,309	113,034	118,564	114,921	106,405	107,234	132,529
Paradox Lake	Essex	6	15,072	14,279	14,241	13,075	13,435	13,241	14,671
Point Comfort	Hamilton	15	9,358	10,137	8,850	9,565	8,940	8,405	9,875
Poke-O-Moonshine	Essex	3	3,473	3,347	3,128	2,584	2,193	1,395	1,927
Poplar Point	Hamilton	15	4,917	4,191	2,711	4,017	4,038	3,259	4,799
Putnam Road	Essex	46	14,865	15,460	15,140	15,268	16,380	16,743	16,515
Rogers Rock	Warren	186	70,636	68,056	73,892	72,872	77,900	76,846	85,534
Rollins Pond	Franklin	95	57,048	53,718	58,246	58,056	60,002	60,976	62,486
Sacandaga	Hamilton	25	19,306	19,588	18,103	21,003	21,335	22,848	22,989
Saranac Lake Islands	Essex	NA	15,463	14,883	17,039	18,377	20,827	19,226	19,336
Sharp Bridge	Essex	10	2,580	2,570	2,403	1,552	1,625	1,422	1,907
Taylor Pond	Clinton	10	4,405	4,062	3,934	4,036	4,455	4,400	5,469
Tioga Point	Fulton	25	1,409	1,229	1,615	2,085	1,959	1,726	1,968
Wilmington Notch	Essex	9	13,517	14,356	11,086	10,107	8,778	9,075	8,612
Wilson Park	Ulster	125	28,733	27,468	30,164	26,913	25,181	22,683	27,965
Woodland Valley	Ulster	15	12,481	11,945	12,371	12,435	10,520	11,962	12,329

NA Not available.

a Detail does not add to totals.

SOURCE: New York State Department of Environmental Conservation, Bureau of Recreation.

TABLE O-2
Public Use of State-Owned Summer Recreational Facilities¹
Within the Adirondack and Catskill Forest Preserves
New York State — 1975-2001

Operation Year Ended October 31	Individual Users			Days of Use			Camping Permits Sold
	Total ²	Day-Users Only	Campers	Total ²	Day-Users Only	Camper Use ¹	
1975	2,452,315	1,833,652	618,663	4,100,883	1,833,652	2,267,231	154,605
1976	2,156,313	1,556,908	599,405	3,842,936	1,556,908	2,286,028	149,149
1977	2,091,877	1,530,867	561,010	3,557,416	1,530,867	2,026,549	140,867
1978	2,200,576	1,598,611	601,965	3,711,003	1,598,611	2,112,392	152,092
1979	2,371,042	1,831,248	539,794	3,793,084	1,831,248	1,961,836	133,847
1980	1,926,170	1,427,775	498,395	2,715,578	1,427,775	1,287,803	141,291
1981	895,132	429,211	465,921	1,593,926	429,211	1,164,715	133,128
1982	939,036	496,684	442,352	1,602,588	496,684	1,105,904	124,259
1983	946,857	487,331	459,526	1,636,146	487,331	1,148,815	133,187
1984	957,800	513,489	444,311	1,624,267	513,489	1,110,778	126,946
1985	987,583	529,902	457,681	1,674,104	529,902	1,144,202	130,766
1986	946,910	479,949	466,961	1,647,352	479,949	1,167,403	128,356
1987	1,056,696	585,481	471,215	1,763,519	585,481	1,178,038	124,436
1988	1,139,162 ^r	641,354	497,808	1,910,764	641,354	1,269,410 ^r	140,836
1989	1,078,473	596,835	481,638	1,829,828	596,835	1,232,993	136,373
1990	931,499	505,682	425,817	1,570,224	505,682	1,064,542	130,468
1991	943,255	486,771	456,484	1,627,981	486,771	1,141,210	131,251
1992	818,890	392,258	426,632	1,458,838	392,258	1,066,580	127,851
1993	1,560,294	470,674	1,089,620	a	a	a	137,971
1994	1,583,642	415,759	1,167,883	a	a	a	121,156
1995	1,611,443	459,103	1,152,340	a	a	a	139,208
1996	1,524,896	410,335	1,114,561	a	a	a	114,213
1997	1,565,825	424,808	1,141,017	a	a	a	113,055
1998	1,513,931	374,300	1,139,630	a	a	a	113,601
1999	1,486,827	373,107	1,113,720	a	a	a	120,167
2000	1,412,666	313,116	1,099,550	a	a	a	109,683
2001	1,521,527	373,324	1,148,203	a	a	a	123,393

r Revised.

a As of 1993, "Days of Use" are included in "Individual Users."

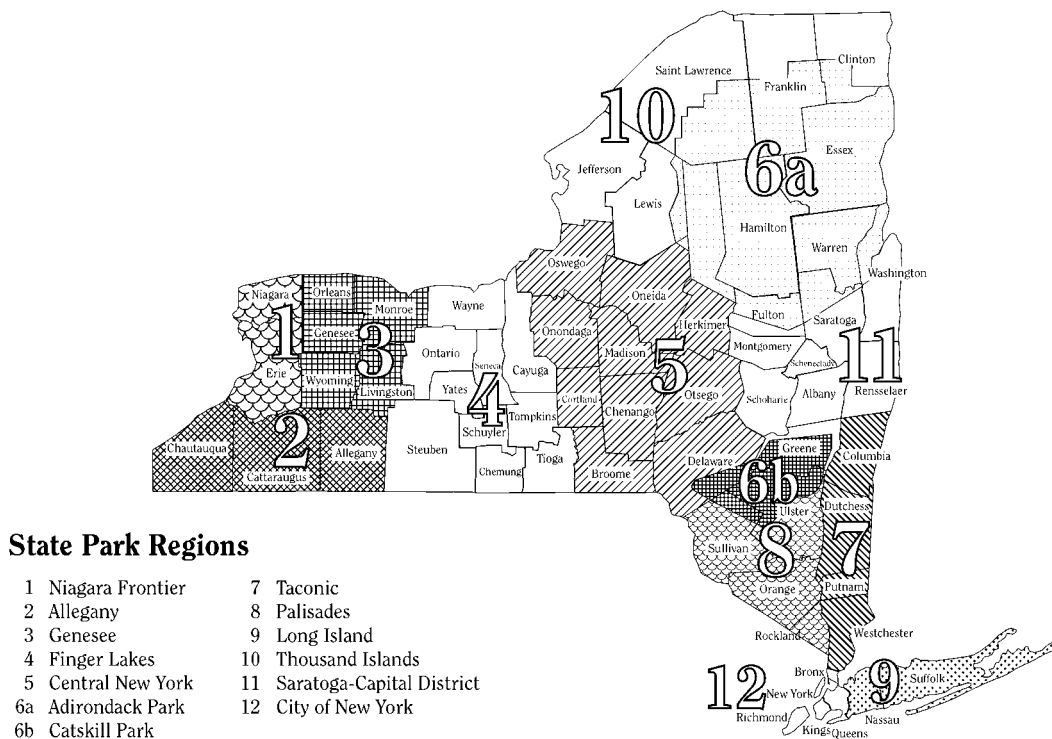
¹ Operated by the Bureau of Recreation, New York State Department of Environmental Conservation.

² After 1980, includes utilization of developed summer recreation areas only.

³ Measured in camper days (which is number of campers times number of days camped).

SOURCE: New York State Department of Environmental Conservation, Bureau of Recreation.

FIGURE O-1
New York State Park Regions — 2002



SOURCE: New York State Office of Parks, Recreation, and Historic Preservation.

TABLE O-3
Public and Commercial Camping Facilities by Region
2001

Operator	Places with Vacation Camping		Number of Campsites		Places with Electric Campsites		Number of Electric Sites		Places with Group Camps	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1,456	100.0%	107,876	100.0%	1,097	100.0%	63,262	100.0%	774	100.0%
Allegany	105	7.2	8,554	7.9	85	7.7	6,152	9.7	27	3.5
Capital District	131	9.0	9,633	8.9	96	8.8	6,337	10.0	54	7.0
Central	225	15.5	16,240	15.1	172	15.7	10,593	16.7	82	10.6
Finger Lakes	162	11.1	11,621	10.8	124	11.3	7,135	11.3	66	8.5
Forest Preserve	259	17.8	19,808	18.4	206	18.8	9,096	14.4	103	13.3
Genesee	76	5.2	9,376	8.7	61	5.6	7,126	11.3	34	4.4
Long Island	26	1.8	2,382	2.2	15	1.4	545	0.9	36	4.7
New York City	—	—	—	—	—	—	—	—	—	—
Niagara	60	4.1	5,258	4.9	41	3.7	2,978	4.7	32	4.1
Palisades	114	7.8	9,919	9.2	86	7.8	5,091	8.0	201	26.0
Taconic	56	3.8	3,167	2.9	26	2.4	1,336	2.1	77	9.9
Thousand Islands	242	16.6	11,918	11	185	16.9	6,873	10.9	62	8.0

— Represents zero.

SOURCE: New York State Office of Parks, Recreation and Historic Preservation.

TABLE O-4
Public and Commercial Day Use Facilities by Operator
2001

Operator	Places with Picnic Tables				Places with Tennis Courts				Places with Basketball Courts			
	Number of Facilities		Number of Tables		Number of Facilities		Number of Courts		Number of Facilities		Number of Courts	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	4,898	100.0%	105,846	100.0%	1,835	100.0%	5,092	100.0%	1,793	100.0%	2,344	100.0%
State	286	5.8	42,710	40.4	30	1.6	230	4.5	40	2.2	64	2.7
County	168	3.4	22,174	20.9	56	3.1	108	2.1	27	1.5	63	2.7
City/Village	1,232	25.2	10,199	9.6	536	29.2	1,100	21.6	497	27.7	620	26.5
Town	1,000	20.4	9,275	8.8	385	21.0	514	10.1	379	21.1	408	17.4
Federal	6	0.1	51	0.1	1	0.1	6	0.1	—	—	—	—
School District	652	13.3	132	0.1	330	18.0	1,236	24.3	529	29.5	915	39.0
Nonprofit	140	2.9	1,289	1.2	36	2.0	46	0.9	41	2.3	28	1.2
Private Club	189	3.9	2,481	2.3	144	7.8	451	8.9	42	2.3	47	2.0
Commercial	1,225	25.0	17,535	16.6	317	17.3	1,401	27.5	238	13.3	199	8.5

— Represents zero.

SOURCE: New York State Office of Parks, Recreation and Historic Preservation.

TABLE O-5
Public and Commercial Day Use Facilities by State Park Region
2001

State Park Region	Places with Picnic Tables		Number of Picnic Tables(e)		Places with Tennis Courts		Places with Basketball Courts	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	4,898	100.0%	105,846	100.0%	1,835	100.0%	1,793	100.0%
Allegany	162	3.3	2,642	2.5	32	1.7	25	1.4
Capital District	558	11.4	9,273	8.8	200	10.9	250	13.9
Central	826	16.9	15,271	14.4	292	15.9	382	21.3
Finger Lakes	403	8.2	8,579	8.1	110	6.0	43	2.4
Forest Preserve	362	7.4	6,408	6.1	73	4.0	116	6.5
Genesee	230	4.7	8,752	8.3	77	4.2	57	3.2
Long Island	810	16.5	11,603	11.0	382	20.8	432	24.1
New York City	236	4.8	2,201	2.1	123	6.7	24	1.3
Niagara	271	5.5	16,054	15.2	132	7.2	91	5.1
Palisades	351	7.2	9,385	8.9	122	6.6	104	5.8
Taconic	368	7.5	8,032	7.6	199	10.8	169	9.4
Thousand Islands	321	6.6	7,646	7.2	93	5.1	100	5.6

e Estimated.

SOURCE: New York State Office of Parks, Recreation and Historic Preservation.

TABLE O-6
Public and Commercial Camping Facilities by Operator
2001

Operator	Places with Vacation Camping		Number of Campsites		Places with Cabins		Number of Cabins		Places with Group Camps	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total	1,456	100.0%	107,876	100.0%	455	100.0%	3,509	100.0%	774	100.0%
State	142	9.8	15,815	14.7	25	5.5	833	23.7	19	2.5
County	39	2.7	2,786	2.6	3	0.7	38	1.1	16	2.1
City/Village	18	1.2	849	0.8	—	—	—	—	3	0.4
Town	42	2.9	1,970	1.8	1	0.2	1	0.1	5	0.6
Federal	5	0.3	86	0.1	—	—	—	—	1	0.1
School District	3	0.2	24	—	—	—	—	—	2	0.3
Nonprofit	34	2.3	1,940	1.8	15	3.3	138	3.9	215	27.8
Private Club	28	1.9	1,447	1.3	21	4.6	155	4.4	109	14.2
Commercial	1145	78.6	82,959	76.9	390	85.7	2,344	66.8	404	52.2

— Represents zero.

SOURCE: New York State Office of Parks, Recreation and Historic Preservation.

TABLE O-7
Attendance¹ at Selected State-Owned Recreational Facilities²
Within the Adirondack and Catskill Forest Preserves
New York State — 1992-2001

	1992	1993	1994	1995	1996	1997	1998	1999(r)	2000(r)	2001
Adirondack Forest Preserve										
Lake George Beach	41,494	52,585	39,260	47,688	45,883	44,472	80,041	63,125	49,251	NA
Lake George Battlefield	7,122	8,697	5,953	7,119	7,028	5,869	6,552	5,820	5,897	5,435
Prospect Mountain Highway	79,681	83,058	82,138	84,056	77,994	84,731	82,229	70,889	84,486	86,614
Catskill Forest Preserve										
Ski Center										
Belleayre Mountain	93,159	88,800	70,247	81,489	71,209	83,854	84,042	107,211	141,886	NA

r Revised.

the jurisdiction of the New York State Office of Parks, Recreation and Historic Preservation.

NA Not available.

SOURCE: New York State Department of Environmental Conservation.

1 Seasonal only; none of these facilities are open year-round.

2 Under the jurisdiction of the New York State Department of Environmental Conservation. See Tables O-8 and O-9 for facilities under

TABLE O-8
Acreage of and Attendance at State Parks and Historic Sites
New York State by Region
Fiscal Years 1994-95 — 2000-01

Region	Facilities		Acres(r)	Attendance (thousands)						
	State Parks(r)	Historic Sites		1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000
New York State ¹	164	35	294,070	64,409	65,358	61,891	65,302	60,050	57,006	53,949
Allegany	3	—	66,211	1,654	2,172	2,110	1,790	1,838	1,907	1,809
Central New York	18	7	13,634	2,979	3,381	2,879	2,915	2,841	2,875	2,782
Finger Lakes	19	1	12,870	3,943	3,892	3,376	3,252	3,530	3,494	2,819
Genesee	5	—	19,087	1,757	1,761	1,627	1,366	1,368	1,398	1,093
Long Island	27	3	25,374	20,817	19,428	18,588	19,529	19,422	18,774	18,095
New York City	8	—	900	4,854	5,221	4,341	6,055	4,987	3,153	3,135
Niagara Frontier	17	1	6,402	13,417	13,857	14,396	15,074	11,146	10,708	10,378
Palisades	19	6	92,667	6,772	7,216	6,954	7,259	7,463	7,609	7,181
Saratoga/Capital District	12	9	13,653	2,174	2,168	1,938	1,998	2,028	1,968	1,989
Taconic	11	6	27,539	4,128	4,293	3,736	4,243	3,664	3,339	2,969
Thousand Islands	25	2	15,733	1,914	1,969	1,946	1,821	1,763	1,781	1,699

— Represents zero.

SOURCE: New York State Office of Parks, Recreation and Historic Preservation.

r Revised.

1 Not including Adirondack and Catskill Forest Preserves.

TABLE O-9
Acreege of and Attendance at Facilities Operated by the Office of Parks,
Recreation and Historic Preservation
Fiscal Years 1994-95 — 2000-01

Facility	County	Acres	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
A.E. Smith/Sunken Meadow	Suffolk	1,266	1,578	1,495	1,475	1,550	1,539	1,451	1,356
Allan H. Treman	Tompkins	91	153	159	159	108	107	129	126
Alleghany	Cattaraugus	64,800	1,407	1,908	1,802	1,461	1,407	1,438	1,455
Appalachian Trail	Putnam	544	—	—	—	—	—	—	—
Athens Boat Launch	Greene	3	—	—	—	—	—	—	—
Battle Island	Oswego	235	42	46	36	43	42	40	37
Bayard Cutting Arboretum	Suffolk	690	81	75	79	83	105	116	117
Bayswater Point	Queens	21	—	—	—	—	—	—	—
Bear Mountain/Iona	Orange/Rockland	5,067	1,758	1,547	1,401	1,547	1,387	1,738	1,105
Beaver Island	Erie	952	269	316	256	259	274	227	187
Belmont Lake	Suffolk	459	318	317	305	355	344	331	305
Bennington Battlefield (NHL ¹ /NR ²)	Rensselaer	276	15	14	20	16	12	21	19
Bethpage	Suffolk/Nassau	1,475	1,001	917	875	822	770	764	813
Big Six Mile Creek Marina	Erie	19	49	54	50	51	34	31	26
Black Diamond Trail	Tompkins	62	a	a	a	a	a	a	a
Black Lake Boat Launch	St. Lawrence	3	13	18	12	43	22	19	24
Black River Recreationway	Jefferson	60	b	b	b	b	b	b	b
Blauvelt	Rockland	590	—	—	—	—	—	—	—
Bonavista	Seneca	137	20	17	17	24	23	23	15
Bowman Lake	Chenango	653	43	45	34	40	46	51	48
Bristol Beach	Ulster	117	16	17	19	21	23	19	21
Brookhaven	Suffolk/Nassau	1,589	—	—	—	—	—	—	—
Buckhorn Island	Erie	895	17	22	17	17	19	14	17
Burnham Point	Jefferson	12	12	14	13	13	13	13	9
Buttermilk Falls	Tompkins	762	199	185	134	154	150	147	136
Caleb Smith	Suffolk	546	56	50	50	37	35	34	28
Camp Hero	Suffolk	754	76	60	62	101	104	107	106
Canadarago Marine Park	Otsego	4	49	45	24	20	17	28	32
Canandaigua Lake Marine Park	Ontario	15	278	176	108	63	61	58	48
Canoe Picnic Point	Jefferson	70	8	7	7	7	7	10	7
Captree	Suffolk	298	1,900	1,660	1,693	1,632	1,573	1,423	1,519
Catharine Valley Trail	Chemung/Schuyler	217	a	a	a	a	a	a	a
Caumsett (NR ²)	Suffolk	1,506	287	274	266	286	277	279	296
Cayuga Lake	Seneca	141	200	208	171	193	218	266	184
Cedar Island	St. Lawrence	10	4	3	4	4	4	4	3
Cedar Point	Jefferson	48	63	69	65	64	65	66	48
Chaumont Boat Launch	Jefferson	27	25	25	24	7	11	11	24
Chenango Valley	Broome	1,118	269	317	316	277	298	262	251
Cherry Plain	Rensselaer	175	32	29	25	24	27	34	16
Chimney Bluffs	Wayne	597	124	183	182	121	110	114	70
Chittenango Falls	Madison	193	66	59	59	58	61	60	58
Clarence Fahnestock	Putnam	10,822	202	218	240	250	240	195	187
Clark Reservation	Onondaga	377	73	74	67	48	29	40	37
Clay Pit Ponds	Richmond	258	32	45	45	54	54	50	46
Clermont (NHL ¹ /NR ²)	Columbia/Dutchess	579	113	108	82	100	103	114	96
Clinton House (NR ²)	Dutchess	2	—	—	—	—	—	—	—
Coles Creek	St. Lawrence	1,800	102	115	129	113	121	123	121
Conesus Lake Boat Launch	Livingston	3	49	51	78	32	31	30	13
Connetquot River	Suffolk	3,473	282	290	269	235	282	220	227
Coxsackie Boat Launch	Greene	4	—	—	—	—	—	—	—
Crailo (NHL ¹ /NR ²)	Rensselaer	1	17	16	9	9	9	12	9
Crown Point (NHL ¹ /NR ²)	Essex	380	74	63	26	27	32	32	45
Cumberland Bay	Clinton	350	105	113	94	83	73	83	69
Darien Lakes	Genesee	1,845	74	84	77	61	76	77	66
Deans Cove Boat Launch	Seneca	10	—	—	6	—	—	—	50
Delta Lake	Oneida	400	251	241	197	184	167	164	152
Devil's Hole	Niagara	42	294	295	266	270	257	242	204
DeWolf Point	Jefferson	13	16	16	15	11	10	8	7
Earl W. Brydges Artpark	Niagara	197	606	512	436	423	470	327	253
Eel Weir	St. Lawrence	16	8	7	9	14	11	5	8
Empire-Fulton Ferry	Kings	9	27	43	45	48	67	76	63
Evangola	Erie	733	234	221	211	202	217	204	148
Fair Haven Beach	Cayuga	742	374	443	388	323	312	327	268
Fillmore Glen	Cayuga	941	69	76	60	58	67	63	63
Fort Montgomery (NHL ¹ /NR ²)	Rockland	150c	—	—	—	—	—	—	—
Fort Niagara	Niagara	505	802	857	791	740	783	785	936
Fort Ontario (NR ²)	Oswego	36	211	223	163	345	231	166	128
Four Mile Creek Campsite	Niagara	248	67	66	75	47	83	83	48
Franklin D. Roosevelt	Westchester	761	992	980	869	948	780	670	561
Ganondagan (NHL ¹ /NR ²)	Ontario	495	23	27	25	27	37	28	31

(Continued on the following page)

TABLE O-9 (continued)
Acreege of and Attendance at Facilities Operated by the Office of Parks,
Recreation and Historic Preservation
Fiscal Years 1994-95 — 2000-01

Facility	County	Acres	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
Gantry Plaza	Queens	3	—	—	—	—	93	119	96
Gilbert Lake	Otsego	1,569	105	114	101	100	101	106	98
Gilgo Beach	Suffolk	1,223	—	—	—	—	—	—	—
Glimmerglass	Otsego	593	112	135	93	70	85	92	82
Golden Hill	Niagara	510	174	177	188	183	213	219	213
Goose Pond Mountain	Orange	1,543	—	—	—	—	—	—	—
Grafton Lakes	Rensselaer	2,357	186	215	185	188	178	185	139
Grant Cottages (NR ²)	Saratoga	1	—	—	—	—	—	—	—
Grass Point	Jefferson	108	41	43	47	39	41	38	33
Great Chazy Boat Launch	Clinton	7	11	12	18	13	14	21	24
Green Lakes	Onondaga	1,955	858	931	839	848	824	928	971
Guy Park (NR ²)	Montgomery	1	—	—	—	—	—	—	—
Hamlin Beach	Monroe	1,224	320	340	302	270	303	343	272
Harriet Holister Spencer	Ontario	678	55	55	51	50	55	49	32
Harriman: Anthony Wayne	Orange/Rockland	46,613	1,229	1,246	1,225	1,249	1,232	1,163	1,157
Beaver Pond	Orange/Rockland		60	65	76	76	85	75	47
Group Camp	Orange/Rockland		283	288	287	298	290	274	246
Hiker Lake	Orange/Rockland		43	39	45	44	43	45	39
Lake Tiorati	Orange/Rockland		569	536	436	497	555	549	869
Lake Welch	Orange/Rockland		313	318	297	297	309	307	206
Sebago Lake	Orange/Rockland		208	213	170	194	184	148	138
Haverstraw Beach	Rockland	73	—	—	—	—	—	—	—
Heckscher	Suffolk	1,657	1,349	1,332	1,398	1,527	1,546	1,628	1,609
Hempstead Lake	Nassau	727	488	451	431	436	405	468	346
Herkimer Home (NR ²)	Herkimer	154	27	42	31	34	33	31	29
High Tor	Rockland	565	42	39	27	29	34	32	28
Highland Lakes	Orange	3,086	—	—	—	—	—	—	—
Higley Flow	St. Lawrence	1,200	38	49	40	38	26	29	29
Hiither Hills	Suffolk	1,755	378	383	380	397	389	398	397
Honeoye Boat Launch	Ontario	9	69	73	61	56	64	58	42
Hook Mountain	Rockland	676	—	—	—	—	—	—	—
Hudson Highlands	Dutchess/Putnam	4,931	75	82	116	130	149	115	81
Hudson River Islands	Columbia	235	b	b	b	b	b	b	b
Hunt's Pond	Chenango	235	12	7	8	10	14	11	10
Hyde Hall (NHL ¹ /NR ²)	Otsego	12	—	—	—	—	—	—	—
Irondequoit Bay	Monroe	35	206	178	149	—	—	—	—
Jacques Cartier	St. Lawrence	461	35	42	42	46	38	34	32
James Baird	Dutchess	590	479	563	553	480	500	419	349
John B. Thacher	Albany	1,348	256	263	253	245	245	182	193
John Brown Farm (NR ²)	Essex	270	47	55	40	45	61	39	70
John Burroughs Memorial(NR ²)	Delaware	3	—	—	—	—	—	—	—
John Jay Homestead (NHL ¹ /NR ²)	Westchester	64	85	84	72	66	75	105	110
Johnson Hall (NHL ¹ /NR ²)	Fulton	19	80	94	71	74	75	76	63
Jones Beach	Nassau	2,413	7,477	6,684	6,035	6,458	6,198	5,906	5,689
Joseph Davis	Niagara	388	91	88	91	97	108	104	63
Keeewaydin	Jefferson	242	69	72	62	68	62	68	71
Keuka Lake	Yates	621	116	123	122	121	127	125	108
Knox Headquarters (NHL ¹ /NR ²)	Orange	48	9	7	6	7	8	9	4
Kring Point	Jefferson	61	59	62	60	62	68	66	52
Lake Erie	Chautauqua	355	41	70	123	129	159	211	145
Lake Lauderdale	Washington	117	—	—	—	—	—	—	—
Lake Superior	Sullivan	1,409	—	—	—	—	—	—	—
Lake Taghkanic	Columbia	1,569	215	219	189	204	194	180	161
Lakeside Beach	Orleans	734	92	90	79	78	86	85	81
Letchworth	Livingston/Wyoming	14,339	931	949	889	904	836	812	625
Lodi Point	Seneca	12	33	39	51	20	17	23	12
Long Point	Jefferson	23	23	23	24	20	22	23	26
Long Point (Cayuga Lake)	Cayuga	230	20	18	18	20	17	17	16
Long Point (on Lake Chautauqua)	Chautauqua	360	206	194	185	200	272	258	209
Lorenzo (NR ²)	Madison	33	34	33	33	31	40	25	78
Macomb Reservation	Clinton	600	28	27	32	36	35	35	41
Margaret Lewis Norrie	Dutchess	330	488	491	453	438	435	404	349
Mark Twain	Chemung	469	32	45	55	58	61	47	48
Mary Island	Jefferson	13	5	4	5	6	5	4	3
Max V. Shaul	Schoharie	70	18	19	17	8	6	7	6
Mexico Point Marine Park	Oswego	19	102	112	59	39	43	42	42
Mills Mansion (NHL ¹ /NR ²)	Dutchess	1	32	33	20	29	31	37	29
Mine Kill	Schoharie	500	71	73	66	62	59	51	41
Minnewaska	Ulster	11,989	269	274	318	352	382	320	347
Montauk Downs	Suffolk	171	246	245	202	215	220	219	210
Montauk Point	Suffolk	862	933	906	849	901	917	926	913
Moreau Lake	Saratoga	4,110	157	171	173	171	179	192	169
Napeague	Suffolk	1,364	213	178	184	202	202	204	196
New Windsor Cantonment(NR ²)	Orange	120	18	17	12	12	13	13	19
Newtown Battlefield (NHL ¹ /NR ²)	Chemung	320	d	d	d	d	d	d	d
Niagara Reservation	Niagara	435	9,662	10,123	10,857	11,714	7,615	7,588	7,516
Nissequogue River	Suffolk	153	—	—	—	—	—	—	39
Nyack Beach	Rockland	61	143	205	184	175	194	195	262
Oak Orchard Marine Park	Orleans	81	85	69	53	21	17	18	14
Ogden & Ruth Livingston Mills	Dutchess	637	f	f	f	f	f	f	f

(Continued on the following page)

TABLE O-9 (continued)
Acreage of and Attendance at Facilities Operated by the Office of Parks,
Recreation and Historic Preservation
Fiscal Years 1994-95 — 2000-01

Facility	County	Acres	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
Olana (NHL/NR ²)	Columbia	681	230	210	191	241	217	272	291
Old Croton Aqueduct (NR ²)	Westchester	216	566	542	570	914	578	420	354
Old Erie Canal	Madison/Oneida/Onondaga	981	128	144	110	133	155	163	135
Old Fort Niagara (NHL/NR ²)	Niagara	25	—	—	—	—	—	—	—
Oquaga Creek	Broome/Delaware/Chemung	1,385	58	58	51	48	42	45	44
Orient Beach	Suffolk	363	223	183	168	160	152	162	129
Oriskany Battlefield(NHL/NR ²)	Oneida	80	—	—	—	7	6	8	24
Palisades	Rockland	20	—	—	—	—	—	—	—
Palisades Interstate	Rockland	1,839	—	—	—	—	—	—	—
Peebles Island	Saratoga	142	—	—	59	60	78	81	102
Philipse Manor Hall (NHL/NR ²)	Westchester	2	—	—	—	—	—	8	28
Pinnacle St. Golf Course	Steuben	715	36	42	36	40	42	39	36
Pixley Falls	Oneida	375	19	20	20	26	37	21	38
Planting Fields Arboretum (NR ²)	Nassau	409	243	230	227	206	196	159	132
Point Au Roche	Clinton	856	71	83	78	85	84	95	91
Point Au Roche Boat Launch	Clinton	9	7	7	10	9	9	11	12
Reservoir	Niagara	132	228	223	193	171	172	143	121
Rexford Aqueduct	Saratoga	1	—	—	—	—	—	—	—
Riverbank	New York	28	3,170	3,783	3,160	4,757	3,333	1,900	1,734
Robert H. Treman	Tompkins	1,075	148	160	124	163	179	182	146
Robert Moses	Suffolk	875	3,191	3,178	3,123	3,320	3,538	3,336	3,222
Robert Moses	St. Lawrence	2,322	262	279	280	279	330	321	324
Roberto Clemente	Bronx	22	1,625	1,350	1,091	1,196	1,440	1,008	1,196
Rock Island Light House	Jefferson	4	2	1	1	1	1	1	1
Rockefeller Park Preserve	Westchester	948	354	412	219	204	197	232	229
Rockland Lake	Rockland	1,133	1,416	1,969	2,047	2,005	2,221	2,235	2,199
Sackets Harbor (NR ² /UCP)	Jefferson	31	135	114	121	145	107	112	87
Sag Harbour	Suffolk	341	—	—	—	—	33	36	38
Sampson	Seneca	1,901	402	442	382	451	391	422	196
Saratoga Lake Boat Launch	Saratoga	3	—	—	32	28	37	54	56
Saratoga Spa	Saratoga	2,033	1,099	1,055	848	902	871	842	949
Schodack Island	Rensselaer/Greene/Columbia	1,052	—	—	—	—	—	—	—
Schoharie Crossing (NHL/NR ²)	Montgomery	240	113	92	103	114	94	103	69
Schuyler Mansion (NHL/NR ²)	Albany	2	12	14	9	8	7	8	7
Selkirk Shores	Oswego	980	288	490	397	286	294	317	239
Senate House (NR ²)	Ulster	3	33	36	26	33	30	21	24
Seneca Lake	Ontario/Seneca	141	532	338	244	171	354	310	234
Silver Lake	Wyoming	776	—	—	—	—	19	33	22
Southwick Beach	Jefferson	472	106	115	96	90	101	107	91
St. Lawrence	St. Lawrence	316	25	30	26	19	20	25	25
Sterling Forest	Orange	17,500	—	—	—	—	67	75	86
Stony Brook	Steuben	568	185	189	164	151	166	162	118
Stony Creek Boat Launch	Jefferson	23	18	19	18	6	10	11	22
Stony Point Battlefield(NHL/NR ²)	Rockland	87	19	21	13	21	18	14	12
Storm King	Orange	1,884	—	—	—	—	—	—	—
Taconic: Copake Falls	Columbia	1,709	124	175	142	169	144	147	122
Taconic: Rudd Pond	Dutchess	2,239	26	24	21	20	21	21	19
Tallman Mountain	Rockland	687	317	352	346	377	368	360	359
Taughannock Falls	Tompkins	745	466	441	404	440	450	401	381
Thompson's Lake	Albany	313	44	50	42	62	58	49	37
Valley Stream	Nassau	97	138	141	161	183	205	182	157
Verona Beach	Oneida	1,735	232	245	241	265	272	272	242
Von Steuben Memorial	Oneida	64	—	—	—	3	4	3	7
Walt Whitman Birthplace (NR ²)	Suffolk	1	20	21	23	16	14	14	15
Washington Headquarters (NHL/NR ²)	Orange	7	27	27	19	25	20	17	16
Waterson Point	Jefferson	6	3	3	5	3	3	2	1
Watkins Glen	Schuyler	776	409	453	414	440	522	506	459
Wellesley Island	Jefferson	2,636	286	279	332	200	182	166	156
Westcott Beach	Jefferson	319	136	142	117	116	124	125	112
Whetstone Gulf	Lewis	2,100	114	114	113	128	134	134	132
Whirlpool	Niagara	109	548	528	471	467	450	423	366
Wildwood	Suffolk	767	339	358	333	374	378	411	235
Wilson Hill Boat Launch	St. Lawrence	4	7	7	7	8	10	11	14
Wilson-Tuscarora	Niagara	424	376	375	359	344	347	197	200
Wonder Lake	Putnam	794	—	—	—	—	—	—	—
Woodlawn Beach	Erie	107	—	—	135	89	104	121	80

— Represents zero.

a Under development.

b Undeveloped.

c Acres are included in Bear Mountain.

d Under management of Chemung County.

f Attendance figures are included with Margaret Lewis Norrie.

1 National Historic Landmark.

2 National Register.

SOURCE: New York State Department of Parks, Recreation and Historic Preservation.

TABLE O-10
Attendance at State Parks and Historic Sites¹
by Type of Activity
New York State — Fiscal Years 1994-95 — 2000-01

Type of Activity	Attendance (thousands)						
	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
All Activities	64,409	65,358	61,891	65,302	60,050	57,006	53,949
Parking	36,597	36,170	33,375	33,529	34,815	33,505	32,005
Campsites	2,316	2,475	2,402	2,392	2,447	2,524	2,108
General Admission	2,455	2,499	2,778	2,796	6,712	7,163	7,987
Golf	1,180	1,161	1,097	1,073	1,094	999	926
Cabins	386	452	454	435	449	461	450
Other ²	21,475	22,601	21,785	25,077	14,533	12,354	10,473

1 Not including Adirondack and Catskill Forest Preserves.

SOURCE: New York State Office of Parks, Recreation and Historic Preservation.

2 Includes walk-ins, buses, bicycles, etc. Totals are estimated.

TABLE O-11
Tour Participants at the State Capitol, Executive Mansion and the Corning Tower
Fiscal Years 1994-95 — 2000-01

Type of Tour	Participants						
	1994-95	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
New York State Capitol	58,502	117,202	34,748	33,218	33,905	35,401	36,727
Executive Mansion	2,102a	7,212	3,064	3,428	2,419b	3,758	3,305
Observation Deck of Corning Tower	89,374	75,129	45,961	44,118	23,565b	25,503	42,509

a April through November.

SOURCE: New York State Office of General Services, Visitor Services Office.

b Figures reflect the fact that facilities were closed for renovations during certain periods.

TABLE O-12
State-Owned Lands
Under Jurisdiction of the Department of Environmental Conservation
New York State — Selected Years 1950-2000

Year	Acres ¹	Year	Acres ¹
1950	3,051,940	1985	3,715,209
1955	3,101,897	1986	3,752,894
1960	3,186,887	1987	3,760,944
1965	3,478,435	1988	3,789,786
1970	3,533,524	1989	NA
1976	3,549,731	1990	NA
1977	3,550,968	1991	3,924,422
1978	3,567,944	1992	3,955,758
1979	3,597,349	1993	3,965,185
1980	3,657,015	1994	3,970,329
1981	3,665,906	1995	3,988,905
1982	3,679,989	1996	3,992,657
1983	3,685,738	1997	3,997,889
1984	3,693,473	1998	4,010,750
		1999	4,192,360
		2000	4,198,082

NA Not available.

SOURCE: New York State Department of Environmental Conservation, Division of Lands and Forests.

1 In addition to Forest Preserves, acreage includes several nonforest preserve classifications, some of which are cited in the 1972 and 1986 Environmental Quality Bond Acts. Also includes lands encumbered by conservation easement.

TABLE O-13
Cooperative Forest Management¹
New York State — Fiscal Years 1980-81 — 2000-01

Fiscal Year	Forest Owners Served	Forest Products Marked (acres)	Forest Improvement ² (acres)	Forest Management Plans ³ (acres)
1980-81	5,247	9,780	17,039	164,945
1981-82	3,713	6,575	6,555	165,139
1982-83	4,039	10,202	6,899	128,898
1983-84	3,735	8,060	3,212	141,681
1984-85	3,668	7,590	3,395	138,190
1985-86	4,099	6,606	3,412	138,202
1986-87	2,283	6,643	2,506	146,535
1987-88	3,214	6,552	3,841	138,830
1988-89	2,832	6,977	2,610	137,013
1989-90	2,792	5,002	3,295	106,594
1990-91	2,726	4,608	2,284	97,673
1991-92	2,968	4,072	2,924	109,269
1992-93	2,885	2,991	5,373	138,661
1993-94	2,831	13,076	6,373	163,454
1994-95	3,336	15,294	5,012	246,013
1995-96	2,810	37,178	4,302	202,343
1996-97	3,560	32,352	16,187	143,710
1997-98	3,248	1,576	3,931	122,040
1998-99	2,419	17,581	5,000	143,658
1999-2000	2,871	23,776	5,225	141,559
2000-01	2,477	26,804	2,904	122,575

1 Forestry services to private owners of forest lands who sign agreements with the Department of Environmental Conservation to follow New York State forest management standards.

2 Includes advice on tree pruning and/or cutting of immature trees to improve the overall quality of a forest.

3 Includes plans for planting, maintaining and harvesting forests.

SOURCE: New York State Department of Environmental Conservation, Division of Lands and Forests.

TABLE O-14
Primary Use Impairment and Severity of Water Quality Problem for
Each Segment Type
New York State — 1999

Primary Use Impairment	Total	Precluded ¹	Impaired ²	Stressed ³	Threatened ⁴
--- Rivers --- (Miles)					
Total	2,526.4	216.5	827.8	1,379.0	103.1
Water Supply	141.0	—	55.9	76.6	8.5
Shellfishing	X	X	X	X	X
Public Bathing	133.9	19.0	56.1	48.7	10.1
Fish Consumption	427.4	81.5	259.9	86.0	—
Aquatic Life	1,697.2	116.0	429.4	1,067.3	84.5
Recreation	34.9	—	17.0	17.9	—mode.
Aesthetics	92.0	—	9.5	82.5	—
--- Lakes, Reservoirs --- (Acres)					
Total	401,003.4	11,329.6	299,412.2	90,162.6	99.0
Water Supply	66,035.2	—	16,808.8	49,162.4	64.0
Shellfishing	X	X	X	X	X
Public Bathing	124,519.3	4,293.0	87,923.9	32,267.4	35.0
Fish Consumption	151,556.2	172.7	151,383.5	—	—
Aquatic Life	49,183.2	6,863.9	34,505.0	7,814.3	—
Recreation	9,645.0	—	8,784.0	861.0	—
Aesthetics	64.5	—	7.0	57.5	—
--- Great Lakes Shoreline --- (Miles)					
Total	457.2	—	416.9	40.3	—
Water Supply	—	—	—	—	—
Shellfishing	X	X	X	X	X
Public Bathing	77.3	—	37.0	40.3	—
Fish Consumption	373.9	—	373.9	—	—
Aquatic Life	—	—	—	—	—
Recreation	6.0	—	6.0	—	—
Aesthetics	—	—	—	—	—
--- Bays, Estuaries --- (Acres)					
Total	259,709.0	120,480.0	132,360.0	6,869.0	0.0
Water Supply	X	X	X	X	X
Shellfishing	104,370.0	102,139.0	2,231.0	—	—
Public Bathing	62,224.0	13,835.0	48,389.0	—	—
Fish Consumption	76,860.0	4,200.0	72,660.0	—	—
Aquatic Life	9,346.0	306.0	9,040.0	—	—
Recreation	40.0	—	40.0	—	—
Aesthetics	6,869.0	—	—	6,869.0	—
--- Ocean Coastal --- (Shore Miles)					
Total	3.0	3.0	—	—	—
Water Supply	X	X	X	X	X
Shellfishing	3.0	3.0	—	—	—
Public Bathing	—	—	—	—	—
Fish Consumption	—	—	—	—	—
Aquatic Life	—	—	—	—	—
Recreation	—	—	—	—	—
Aesthetics	—	—	—	—	—

— Represents zero.

X Not applicable.

1 Frequent/persistent water quality, or quantity, conditions and/or associated habitat degradation prevents all aspects of the waterbody use.

2 Occasional water quality, or quantity, conditions and/or habitat characteristics periodically prevent the use of the waterbody, or; waterbody uses are not precluded, but some aspects of the use are limited or restricted, or; waterbody uses are not precluded, but frequent/persistent water quality, or quantity, conditions and/or associated habitat degradation discourage the use of the waterbody, or; support of the waterbody use requires additional/advanced measures or treatment.

3 Waterbody uses are not significantly limited or restricted, but occasional water quality, or quantity, conditions and/or associated habitat degradation periodically discourage the use of the waterbody.

4 Water quality currently supports waterbody uses and the ecosystem exhibits no obvious signs of stress, however, existing or changing land use patterns may result in restricted use of ecosystem disruption, or; monitoring data reveals increasing contamination or the presence of toxics below the level of concern, or; waterbody uses are not restricted and no water quality problems exist, but the waterbody is a highly valued resource deemed worthy of special protection and consideration.

SOURCE: New York State Department of Environmental Conservation, Division of Water; February 2000 Priority Waterbodies List.

TABLE O-15
Seedlings Distributed from the State-Owned Saratoga Nursery
New York State — 1975-1998
(thousands except receipts)

Year	Total	Tree Seedlings		Shrub Seedlings	Receipts
		To State Land	To Nonstate Land		
1975	8,527	225	7,945	357	\$ 184,043
1976	8,067	113	7,347	607	222,649
1977	6,215	103	5,385	727	202,152
1978	7,108	75	6,340	693	226,252
1979	7,247	240	6,340	667	259,305
1980	8,349	136	7,694	519	377,550
1981	6,670	109	6,159	402	307,481
1982	5,147	71	4,502	574	334,870
1983	6,327	281	5,888	158	508,051
1984	6,495	254	5,967	274	516,000
1985	5,121	190	4,581	350	544,564
1986	6,318	233	5,826	259	549,873
1987	6,724	253	6,192	279	508,885
1988	5,930	194	5,379	357	550,668
1989	5,711	213	5,274	224	555,574
1990	4,902	483	4,016	403	543,443
1991	3,815	182	3,329	304	386,309
1992	3,802	468	2,921	413	413,619
1993	3,115	388	2,380	347	339,534
1994	2,835	350	2,245	240	335,041
1995	2,250	236	1,696	318	318,190
1996	1,467	171	1,048	248	278,102
1997	1,334	252	866	216	267,512
1998	1,228	152	888	188	275,036

SOURCE: New York State Department of Environmental Conservation,
Division of Lands and Forests.

TABLE O-16
Sales of Forest Products from State-Owned Forests
New York State — 1975-2000

Year	Board Feet (millions)	Pulpwood (cords)	Firewood (cords)	Receipts (dollars)
1975	7.83	56,400	16,300	\$ 623,886
1976	6.18	51,100	22,000	478,825
1977	15.01	68,600	28,300	1,071,259
1978	10.78	68,500	54,344	1,113,517
1979	8.23	65,439	49,748	1,097,404
1980	10.71	68,682	69,128	1,470,990
1981	15.86	83,775	62,292	1,770,051
1982	17.83	65,286	48,474	2,064,581
1983	21.94	59,177	39,969	2,455,892
1984	13.65	57,858	35,268	1,984,289
1985	20.35	56,646	36,911	1,818,985
1986	26.71	56,131	35,565	2,316,601
1987	38.46	54,685	28,453	3,288,139
1988	36.67	53,226	27,351	3,442,404
1989	31.67	56,676	25,157	4,560,123
1990	19.23	54,413	30,471	3,040,595
1991	16.03	40,184	27,041	2,620,827
1992	22.48	49,621	28,955	3,365,035
1993	23.47	44,137	25,197	4,039,372
1994	24.57	48,776	26,566	3,958,898
1995	33.07	44,760	22,870	6,024,918
1996	20.98	39,306	21,956	4,078,645
1997	25.92	44,897	13,866	3,404,467
1998	26.32	65,348	14,637	6,692,293
1999	19.17	49,986	10,786	5,872,419
2000	21.98	34,947	13,791	7,302,178

SOURCE: New York State Department of Environmental Conservation,
Division of Lands and Forests.

TABLE O-17
Forest Fires and Acres Burned
New York State — Selected Years 1955-2000

Year	Forest Fires	Acres Burned	Average Acres Burned Per Fire
1955	1,720	23,127	13.4
1960	714	5,065	7.1
1965	1,200	8,469	7.1
1970	631	2,262	3.6
1971	596	2,203	3.7
1972	508	2,693	5.1
1973	669	3,300	4.9
1974	558	2,268	4.1
1975	795	2,968	3.7
1976	484	6,140	12.7
1977	895	7,016	7.8
1978	792	7,143	9.0
1979	552	2,593	4.7
1980	772	5,391	7.0
1981	655	5,540	8.4
1982	610	3,389	5.5
1983	356	1,585	4.5
1984	319	1,516	4.8
1985	644	3,666	5.7
1986	460	3,799	8.3
1987	267	1,072	4.0
1988	556	5,031	9.0
1989	603	11,730	19.5
1990	322	1,589	4.9
1991	535	3,453	6.5
1992	292	2,014	6.9
1993	243	992	4.1
1994	129	1,177	9.1
1995	379	7,334	19.4
1996	79	211	2.7
1997	309	1,218	3.9
1998	346	2,569	7.4
1999	629	5,557	9.3
2000	134	451	3.4

SOURCE: New York State Department of Environmental Conservation, Division of Forest Protection and Fire Management.

TABLE O-18
Search and Rescue Missions
New York State — 1963-2000

Year	Missions	Staff Time ¹ (hours)	Year	Missions	Staff Time ¹ (hours)
1963	76	1,296	1980	164	4,382
1964	53	816	1981	163	5,300
1965	106	3,050	1982	184	6,858
1966	116	1,877	1983	215	7,003
1967	130	2,447	1984	188	5,381
1968	100	1,805	1985	201	5,698
1969	113	4,028	1986	211	5,730
1970	116	1,320	1987	253	5,064
1971	104	9,255	1988	223	8,063
1972	138	8,604	1989	259	6,081
1973	178	15,941a	1990r	259	7,804
1974	144	15,941a	1991r	252	4,290
1975	162	4,049	1992	244	11,282
1976	211	6,741	1993	241	8,907
1977	202	5,324	1994	208	5,100
1978	156	3,334	1995	212	6,200
1979	163	4,445	1996	236	7,700
			1997	251	6,494
			1998	209	7,049
			1999	228	4,130
			2000	286	10,725

r Revised.

a Reflects time spent by Environmental Conservation Officers as well as Department Foresters on several unusually large searches.

¹ Spent by Forest Rangers of the Department of Environmental Conservation.

SOURCE: New York State Department of Environmental Conservation, Division of Forest Protection and Fire Management.

TABLE O-19
Resident Hunting, Fishing and Trapping Licenses by Type
New York State — Selected Years 1940-2000

Year ¹	All Licenses	Combination Hunting and Fishing	Hunting	Fishing	Big Game	Trapping	Bow Hunting ²	Sportsman
1940	776,187	254,134	159,334	196,090	158,226	8,403		
1945	801,576	221,164	160,748	204,923	202,746	11,995		
1950	1,273,085	231,101	219,315	458,673	348,131	14,729	1,136	
1955	1,509,684	265,464	268,072	524,369	419,700	12,771	19,308	
1960	1,444,898	204,576	280,450	511,391	418,953	9,152	20,376	
1965	1,515,990	210,268	299,173	501,410	482,950	8,349	13,840	
1970	1,803,637	252,860	309,992	585,276	599,683	9,533	46,293	
1971	1,617,055	223,525	269,952	534,797	527,953	9,047	51,781	
1972	1,670,542	219,503	257,469	597,105	526,831	11,682	57,952	
1973	1,626,248	220,220	253,558	572,220	510,134	11,699	58,417	
1974	1,773,304	242,925	267,389	581,372	591,374	15,399	74,845	
1975	1,877,385	247,045	270,155	617,128	632,549	16,799	93,709	
1976	1,798,618	214,754	257,208	567,807	649,073	15,507	94,269	
1977	1,743,747	195,644	239,159	542,141	649,225	17,545	100,033	
1978	1,696,417	188,334	227,520	533,473	636,327	19,483	91,280	
1979	1,508,204	54,049	180,011	524,970	437,835	22,527	89,628	192,641
1980	1,527,827	37,947	163,251	554,726	409,860	31,543	90,932	232,723
1981	1,538,830	34,303	154,758	558,935	406,056	26,970	80,517	263,629
1982	1,535,119	25,499	114,859	561,951	360,542	23,221	90,586	284,279
1983	1,493,689	25,338	97,159	525,573	352,548	21,534	99,688	255,029
1984	1,533,027	21,631	80,017	494,219	336,617	17,081	103,519	248,041
1985	1,559,190	20,807	71,484	512,062	332,559	16,882	108,413	253,168
1986	1,520,601	19,805	63,155	510,910	306,308	14,457	103,622	259,152
1987	1,542,091	18,931	57,192	521,806	287,938	15,613	128,507	263,953
1988	1,558,674	18,697	52,886	528,065	275,399	17,087	139,831	274,692
1989	1,560,980	17,231	46,782	523,901	261,754	14,723	152,175	287,880
1990	1,560,517	16,056	42,029	541,344	248,057	11,513	156,958	291,184
1991	1,572,428	15,293	40,006	543,590	236,227	9,164	167,676	298,064
1992	1,455,793	21a	59,328	454,975	212,816	7,740	165,880	363,673
1993	1,413,718	20a	47,178	419,140	192,569	7,167	171,771	373,179
1994	1,401,897	20a	43,025	412,256	184,079	6,878	168,272	375,766
1995	1,389,602	19a	42,248	420,041	177,763	7,700	165,225	363,509
1996	1,355,435	20a	38,764	396,467	176,870	7,224	165,203	355,846
1997r	1,346,862	19a	36,336	395,527	162,655	8,656	163,363	355,425
1998	1,336,342	19a	34,814	395,747	149,902	9,045	163,657	351,435
1999	1,342,615	18a	30,700	386,240	142,415	8,938	167,149	362,605
2000	1,336,706	17a	28,482	370,894	134,203	7,899	170,587	365,892

(Continued on the following page)

TABLE O-19 (continued)
Resident Hunting, Fishing and Trapping Licenses by Type
New York State — Selected Years 1940-2000

Year ¹	Hunting and Big Game	3-Day Fishing	Muzzle Loading ²	Junior Archery	Junior Trapping	Senior License	Free Combination	Junior Hunting
1940								
1945								
1950								
1955								
1960								
1965								
1970								
1971								
1972								
1973								
1974								
1975								
1976								
1977								
1978								
1979			3,905	2,638				
1980			3,865	2,980				
1981			4,801	3,573	5,288			
1982	53,448	6,907	5,526	3,757	4,544			
1983	79,572	19,139	10,364	3,845	3,900			
1984	80,520	29,171	11,448	3,838	2,854	42,414	61,657	
1985	82,158	31,209	13,102	3,982	2,332	46,910	64,122	
1986	80,665	33,495	12,433	4,372	1,881	48,377	61,969	
1987	79,292	35,414	15,712	4,333	1,546	48,511	63,343	
1988	77,269	37,209	18,798	4,088	1,481	48,052	65,120	
1989	74,823	38,352	24,084	4,105	1,111	47,786	66,273	
1990	68,509	38,040	28,196	3,998	780	48,004	65,849	
1991	65,704	36,601	34,539	4,007	499	48,280	72,778	
1992	99a	31,413	35,023	4,080	391	92,430	10,583	17,341
1993	96a	32,614	41,358	4,314	327	93,549	9,952	20,484
1994	93a	31,582	46,958	4,372	339	97,459	9,520	21,278
1995	88a	31,125	46,465	4,214	399	100,621	9,261	20,923
1996	89a	28,535	49,573	3,985	404	102,786	9,442	20,227
1997r	89a	27,315	58,761	3,806	431	104,435	9,185	20,859
1998	87a	26,744	63,569	3,732	601	105,104	10,302	21,584
1999	87a	24,390	74,963	3,747	781	106,830	12,051	21,701
2000	87a	26,744	84,885	4,104	490	107,507	13,312	21,603

a These licenses were discontinued in 1991; 1992 through 1996 figures represent lifetime licenses purchased prior to October 1, 1991.

1 1940 to 1955 are on a calendar year basis; all other years are by license year ending September 30.

2 Resident and Nonresident.

SOURCE: New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources.

TABLE O-20
Hunting Accidents, Fatal and Nonfatal
New York State — 1940-2000

Year	Total	Nonfatal	Fatal	Year	Total	Nonfatal	Fatal
1940	194	168	26	1970	130	124	6
1941	231	194	37	1971	100	97	3
1942	191	158	33	1972	74	67	7
1943	100	86	14	1973	103	96	7
1944	117	108	9	1974	122	111	11
1945	117	94	23	1975d	122	109	13
1946	104	93	11	1976	84	77	7
1947	97	80	17	1977	94	87	7
1948	110	96	14	1978	78	67	11
1949a	133	115	18	1979	110	94	16
1950	113	100	13	1980	90	83	7
1951b	141	124	17	1981	96	90	6
1952	120	106	14	1982	88	79	9
1953	112	105	7	1983	71	69	2
1954	120	110	10	1984	97	90	7
1955	130	118	12	1985f	96	90	6
1956	143	132	11	1986	70	65	5
1957	125	113	12	1987	87	81	6
1958	141	128	13	1988	78	72	6
1959	137	122	15	1989	75	69	6
1960c	143	128	15	1990r	91	88	3
1961	140	123	17	1991	98	87	11
1962	102	91	11	1992	64	57	7
1963	147	138	9	1993r	67	63	4
1964	124	117	7	1994	52	51	1
1965	157	146	11	1995	62	55	7
1966	166	153	13	1996	57	48	9
1967	159	148	11	1997	55	54	1
1968	130	121	9	1998	64	62	2
1969	103	95	8	1999	54	50	4
				2000	43	39	4

r Revised.

a Hunter education became mandatory for new hunters under 17 years old.

b Hunter education became mandatory for new hunters under 21 years old.

c Hunter education became mandatory for all new hunters.

d Hunter education course 6-hour minimum established.

f Hunter education course 10-hour minimum established.

SOURCE: New York State Department of Environment Conservation, Division of Fish, Wildlife and Marine Resources.

TABLE O-21
Calculated Deer Take
New York State — Selected Years 1965-2000

Year	Total	Males		Females	
		Adults	Fawns	Adults	Fawns
1965	67,420	43,846	5,379	13,670	4,525
1970	65,013	36,538	6,450	16,648	5,377
1971	48,290	35,821	3,109	6,852	2,508
1972	55,638	41,071	3,571	8,130	2,866
1973	75,379	49,979	5,849	14,776	4,775
1974	103,303	63,266	8,944	23,786	7,307
1975	103,225	59,055	9,496	26,937	7,737
1976	90,215	54,879	7,808	21,140	6,388
1977	83,204	55,880	6,407	15,631	5,286
1978	85,559	51,872	7,549	19,921	6,217
1979	94,059	59,086	7,855	20,685	6,433
1980	136,255	75,441	14,177	35,100	11,537
1981r	166,322	83,669	19,558	46,962	16,133
1982	185,455	78,460	24,436	62,338	20,221
1983	167,449	79,746	20,082	51,111	16,510
1984r	170,310	77,596	21,676	53,174	17,864
1985r	149,083	80,732	17,167	36,972	14,212
1986	178,713	90,719	21,622	48,665	17,707
1987	204,715	97,595	25,883	59,577	21,660
1988	193,464	92,987	23,804	58,464	18,209
1989	181,879	99,589	20,600	45,623	16,067
1990	190,810	103,258	20,314	51,757	15,481
1991	212,633	110,701	24,326	58,765	18,841
1992	233,144	117,984	28,257	64,385	22,518
1993	220,288	102,431	26,408	71,340	20,109
1994	165,683	89,328	18,460	45,106	12,789
1995	188,284	113,566	16,670	45,648	12,400
1996r	202,765	104,689	22,781	59,161	16,134
1997	216,836	119,090	21,811	58,772	17,163
1998	230,758	121,911	23,652	67,672	17,523
1999	255,959	125,392	26,305	84,432	19,830
2000	295,859	140,857	31,317	98,265	25,420

r Revised.

SOURCE: New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources.

TABLE O-22
Resident and Nonresident Hunting, Fishing and Trapping Licenses by Type
New York State by County
License Year Ended September 30, 2001

County of Issue	All Licenses	Resident								
		3-Day Fishing	Fishing	Hunting	Trapping	Junior Trapping	Big Game	Sportsman	Junior Archery	Junior Hunt
New York State	1,525,573	22,805	376,094	26,325	7,572	496	129,033	362,476	4,118	19,753
New York City	34,832	297	8,996	1,402	43	—	4,613	9,955	31	218
Bronx	3,721	9	1,437	81	1	—	412	960	3	11
Kings	8,563	36	2,211	283	11	—	1,106	2,377	8	52
New York	1,827	86	1,458	—	—	—	—	—	—	—
Queens	16,699	153	3,528	910	27	—	2,256	5,414	14	105
Richmond	4,022	13	362	128	4	—	839	1,204	6	50
Rest of State	1,490,741	22,508	367,098	24,923	7,529	496	124,420	352,521	4,087	19,535
Albany	48,911	265	12,652	633	207	6	2,689	9,541	65	272
Allegany	15,491	107	1,830	295	108	17	1,879	4,678	126	468
Broome	37,417	402	10,151	593	132	4	3,865	9,392	101	653
Cattaraugus	25,062	184	3,825	464	219	23	2,895	7,527	131	619
Cayuga	19,721	266	5,490	298	94	7	1,658	4,355	83	326
Chautauqua	44,560	422	7,971	636	195	14	2,908	9,659	158	836
Chemung	20,150	172	4,915	305	81	3	1,822	5,705	90	272
Chenango	15,463	88	2,214	261	143	6	2,014	4,742	72	316
Clinton	21,498	101	5,225	391	133	7	1,745	4,793	23	273
Columbia	11,150	57	1,844	167	106	8	1,283	2,788	38	150
Cortland	15,504	92	3,506	289	90	9	2,031	4,254	75	305
Delaware	23,368	359	3,783	407	167	17	2,598	5,672	79	390
Dutchess	28,081	199	7,342	426	158	3	2,417	7,927	77	361
Erie	102,949	1,662	32,558	1,473	310	28	6,224	28,501	300	1,277
Essex	19,360	541	4,099	164	116	3	1,072	3,229	16	226
Franklin	20,253	293	3,995	324	166	15	2,122	3,902	32	261
Fulton	13,395	210	3,342	189	67	4	1,328	3,338	24	180
Genesee	14,839	148	3,143	255	114	7	1,293	4,700	87	317
Greene	9,463	270	1,954	217	47	1	1,114	2,202	21	121
Hamilton	7,218	491	1,976	32	40	5	234	674	1	35
Herkimer	18,002	235	3,689	381	122	5	2,305	4,814	30	314
Jefferson	52,480	2,145	12,735	670	258	19	4,117	8,432	91	503
Lewis	13,964	74	1,474	257	173	13	2,310	3,350	41	323
Livingston	14,046	93	2,141	547	106	8	1,427	4,540	79	267
Madison	17,132	148	4,512	290	98	7	1,932	4,418	45	264
Monroe	72,101	1,372	25,644	925	197	10	4,021	18,052	201	717
Montgomery	9,731	58	2,370	202	38	—	973	2,617	22	189
Nassau	22,276	210	4,448	1,103	57	5	3,437	6,466	26	188
Niagara	42,825	619	10,323	489	173	9	1,990	11,006	182	598
Oneida	40,650	374	11,087	746	215	10	4,262	9,390	68	476
Onondaga	65,095	1,176	22,915	886	257	25	4,151	15,463	133	623
Ontario	29,540	421	8,187	440	157	15	2,079	8,430	130	457
Orange	39,996	313	11,460	633	212	9	3,191	10,492	102	512
Orleans	13,491	154	2,292	100	53	8	476	2,404	43	179
Oswego	72,875	1,916	11,389	450	283	19	2,899	9,094	68	443
Otsego	17,298	146	2,983	328	150	11	2,145	4,912	57	408
Putnam	9,027	71	3,420	120	44	3	492	1,720	11	85
Rensselaer	20,080	94	5,287	323	97	5	2,170	4,820	55	255
Rockland	21,293	240	6,559	216	58	4	658	2,930	22	111
St. Lawrence	48,514	584	8,415	682	430	38	6,084	10,059	134	705
Saratoga	25,031	290	8,103	293	102	4	1,964	5,930	29	253
Schenectady	15,466	117	5,694	223	51	2	1,086	3,574	26	147
Schoharie	9,884	65	1,649	451	98	2	1,270	2,746	30	188
Schuyler	7,618	134	1,615	90	44	5	552	1,835	37	109
Seneca	8,802	114	2,342	96	39	6	448	2,103	27	173
Steuben	31,033	176	4,117	517	195	12	3,388	9,675	212	661
Suffolk	43,830	289	9,468	2,942	125	6	6,293	11,941	85	484
Sullivan	26,510	1,175	6,599	185	144	3	2,077	4,675	40	215
Tioga	10,939	44	1,447	167	78	15	1,059	3,324	41	169
Tompkins	15,023	110	3,999	222	64	1	1,348	3,990	48	224
Ulster	26,822	350	8,776	424	125	5	2,239	6,104	66	367
Warren	31,887	2,018	8,978	254	153	11	1,932	4,758	27	274
Washington	14,059	71	2,423	225	103	2	1,554	3,318	36	185
Wayne	24,298	427	7,119	262	131	2	1,221	5,689	92	340
Westchester	29,713	201	9,096	713	91	1	2,289	7,296	55	157
Wyoming	8,458	71	1,362	182	71	4	900	2,846	49	203
Yates	7,099	84	1,166	70	44	5	490	1,729	48	111

(Continued on the following page)

TABLE O-22 (continued)
Resident and Nonresident Hunting, Fishing and Trapping Licenses by Type
New York State by County
License Year Ended September 30, 2001

County of Issue	Resident		Nonresident						Resident and Nonresident	
	Senior License	Free Combination	Fishing	5-Day Fishing	Combine	Hunting	Big Game	Trap	Bow-Hunting	Muzzle-Loader
New York State	108,511	14,493	67,773	74,074	5,764	9,074	29,738	25	174,536	92,913
New York City	2,653	120	380	77	43	115	451	—	4,637	801
Bronx	378	21	20	6	—	2	34	—	300	46
Kings	739	21	53	12	16	22	97	—	1,324	195
New York	56	4	181	42	—	—	—	—	—	—
Queens	1,256	73	100	12	10	56	98	—	2,274	413
Richmond	224	1	26	5	17	35	222	—	739	147
Rest of State	105,858	14,373	67,393	73,997	5,721	8,959	29,287	25	169,899	92,112
Albany	2,628	395	3,159	1,251	1,063	1,756	4,453	23	5,392	2,461
Allegany	1,276	194	287	140	141	102	724	—	2,252	867
Broome	3,084	198	1,354	471	123	298	1,044	—	4,444	1,108
Cattaraugus	1,701	278	809	262	139	286	1,239	—	3,525	936
Cayuga	1,384	166	1,092	1,062	11	30	87	—	2,268	1,044
Chautauqua	2,617	242	5,341	4,556	639	742	2,384	—	4,364	876
Chemung	1,513	138	640	223	102	115	520	—	2,820	714
Chenango	1,199	157	146	131	52	177	523	—	2,306	916
Clinton	1,395	297	1,355	525	82	119	421	—	1,463	3,150
Columbia	1,020	96	229	105	427	81	703	—	1,554	494
Cortland	958	112	212	245	15	61	222	—	2,142	886
Delaware	1,802	163	1,945	1,016	130	317	1,064	—	2,722	737
Dutchess	2,133	228	283	129	88	191	396	—	4,325	1,398
Erie	8,678	825	987	1,065	33	122	474	—	15,029	3,403
Essex	1,230	169	2,196	2,822	84	124	367	—	730	2,172
Franklin	1,294	337	1,316	1,744	36	62	374	—	1,028	2,952
Fulton	1,139	210	235	249	7	14	103	—	1,081	1,675
Genesee	996	148	98	165	3	21	71	—	2,396	877
Greene	872	95	376	360	47	83	278	1	1,090	314
Hamilton	508	58	792	1,660	10	29	186	—	150	337
Herkimer	1,296	209	304	468	28	62	259	—	1,819	1,662
Jefferson	3,068	710	3,725	6,630	27	162	302	—	2,738	6,148
Lewis	898	394	119	188	11	47	185	—	853	3,254
Livingston	974	112	85	127	12	12	95	—	2,538	883
Madison	1,332	186	185	201	17	35	95	—	2,007	1,360
Monroe	5,966	518	444	935	12	58	208	—	10,102	2,719
Montgomery	806	122	108	124	2	21	97	—	1,057	925
Nassau	1,916	175	49	28	4	30	51	—	3,390	693
Niagara	3,147	557	2,026	3,594	14	45	281	—	6,187	1,585
Oneida	3,514	709	458	572	22	77	272	1	3,819	4,578
Onondaga	5,398	758	706	744	19	90	197	—	7,367	4,187
Ontario	1,918	155	372	648	7	29	208	—	4,357	1,530
Orange	2,582	232	910	275	180	362	1,239	—	5,525	1,767
Orleans	758	82	1,633	3,542	4	13	49	—	1,178	523
Oswego	2,392	390	13,969	21,349	61	199	349	—	3,683	3,922
Otsego	1,374	176	283	359	58	261	452	—	2,186	1,009
Putnam	526	66	511	87	71	128	236	—	1,124	312
Rensselaer	1,639	193	278	111	214	81	584	—	2,638	1,236
Rockland	1,013	85	3,392	360	535	700	2,172	—	1,751	487
St. Lawrence	3,110	1,107	2,127	2,562	47	108	373	—	3,098	8,851
Saratoga	2,150	360	330	392	18	21	110	—	2,165	2,517
Schenectady	1,442	142	81	116	3	14	61	—	1,662	1,025
Schoharie	702	134	78	57	30	111	247	—	1,333	693
Schuyler	621	59	684	503	24	30	149	—	877	250
Seneca	764	80	488	614	16	21	83	—	1,055	333
Steuben	2,243	244	732	537	328	232	1,417	—	4,738	1,609
Suffolk	2,849	299	148	85	12	126	148	—	7,562	968
Sullivan	1,958	153	2,834	1,885	116	164	936	—	2,446	905
Tioga	913	119	769	114	84	210	462	—	1,531	393
Tompkins	960	142	483	467	19	38	182	—	2,075	651
Ulster	2,314	218	694	377	43	65	348	—	3,314	993
Warren	1,430	200	2,400	4,642	35	78	406	—	1,502	2,789
Washington	1,116	166	934	287	189	198	553	—	1,331	1,368
Wayne	1,781	227	949	1,946	19	43	80	—	2,845	1,125
Westchester	2,270	204	771	119	179	342	564	—	4,679	686
Wyoming	618	86	35	69	6	2	49	—	1,375	530
Yates	673	98	447	702	23	14	155	—	911	329

— Represents zero.

SOURCE: New York State Department of Environmental Conservation, Division of Fish, Wildlife and Marine Resources.

TABLE O-23
Environmental Conservation, Division of Law Enforcement
Annual Activity
New York State — Fiscal Years 1995-96 — 2000-01

	1995-96	1996-97	1997-98	1998-99	1999-2000	2000-01
Bureau of Environmental Conservation Investigation (BECI)¹						
Total Investigations	320	304	253	524	524	313
Total Litigations	99	73	103	43	37	47
Total Recoveries	\$ 3,099,304	\$ 2,792,140	\$ 1,226,777	\$ 638,808	\$ 629,757	\$ 425,620
Number of Staff	37	32	26	26	28	31
Uniform²						
Total Cases	15,085	10,572	14,201	15,763	10,878	10,269
Total Recoveries	\$ 636,092	\$ 617,937	\$ 1,387,825	\$ 1,738,436	\$ 1,384,520	\$ 1,096,712
Number of Staff	237	214	218	234	230	232

1 BECI is a detective force assigned to longer-term investigations.

2 Generally short-term investigations (i.e., one or two days) by uniformed Environmental Conservation Officers.

SOURCE: New York State Department of Environmental Conservation, Division of Law Enforcement.

TABLE O-24
Motorboat and Snowmobile Registrations
New York State by County
1997-1999 Average and 2000

County	Motorboats				Snowmobiles			
	By County of Principal Use		By County of Residence		By County of Principal Use		By County of Residence	
	1997-99 Average ¹	2000	1997-99 Average ¹	2000	1997-99 Average ¹	2000	1997-99 Average ¹	2000
New York State	519,214	527,426	519,214	527,426	118,119	144,327	118,119	144,327
New York City	21,176	21,752	26,924	27,457	84	95	303	341
Bronx	3,272	3,311	3,182	3,221	8	9	25	20
Kings	4,932	4,991	5,343	5,329	13	16	41	49
New York	1,591	1,848	4,202	4,531	8	11	38	43
Queens	6,676	6,833	9,075	9,169	24	27	88	102
Richmond	4,705	4,769	5,122	5,207	30	32	111	127
Rest of State	492,011	500,731	480,251	487,566	115,376	142,507	104,444	127,818
Albany	6,860	6,921	10,455	10,639	1,940	2,123	2,441	2,731
Allegany	2,260	2,343	1,923	2,035	590	824	550	752
Broome	5,894	5,953	8,230	8,218	1,236	1,557	1,289	1,628
Cattaraugus	3,303	3,341	3,417	3,435	1,744	2,341	1,556	2,063
Cayuga	6,611	6,778	5,542	5,713	1,415	1,970	1,526	2,095
Chautauqua	10,757	10,996	8,138	8,287	4,042	5,402	2,729	3,283
Chemung	1,845	1,980	4,649	4,690	251	302	271	309
Chenango	1,994	2,024	2,326	2,367	1,236	1,556	1,194	1,513
Clinton	6,660	6,601	6,122	6,062	1,974	2,500	1,992	2,484
Columbia	3,027	3,128	2,886	2,984	764	883	774	909
Cortland	2,325	2,258	2,442	2,478	876	1,323	896	1,347
Delaware	1,189	1,243	1,317	1,379	1,600	2,096	1,243	1,605
Dutchess	7,187	7,368	8,055	8,263	1,215	1,469	1,520	1,807
Erie	27,469	27,237	29,710	29,387	7,297	9,140	7,657	9,377
Essex	5,833	5,928	4,335	4,414	1,139	1,495	1,050	1,405
Franklin	5,446	5,507	4,206	4,264	1,922	2,334	1,776	2,129
Fulton	6,969	7,044	4,743	4,888	2,753	3,240	2,624	3,092
Genesee	1,379	1,374	2,432	2,499	1,282	1,630	1,401	1,731
Greene	2,384	2,524	2,346	2,474	921	1,047	836	935
Hamilton	4,723	4,859	2,114	2,144	2,992	3,260	1,001	1,092
Herkimer	4,498	4,660	3,999	4,027	8,312	10,045	3,192	4,044
Jefferson	16,089	16,398	10,593	10,719	2,283	2,673	2,700	3,074
Lewis	2,066	2,120	1,890	1,933	6,226	7,198	2,176	2,457
Livingston	4,497	4,515	3,985	4,004	732	953	766	972
Madison	4,687	4,859	4,542	4,676	2,231	2,759	2,316	2,911
Monroe	25,061	25,387	32,083	32,237	3,197	3,992	3,788	4,574
Montgomery	1,627	1,697	2,494	2,463	1,505	1,893	1,621	2,007
Nassau	37,138	37,648	38,660	39,047	294	373	677	792
Niagara	10,055	10,069	10,075	10,090	1,617	2,139	1,761	2,263
Oneida	11,523	11,416	12,600	12,463	6,802	8,326	6,958	8,404
Onondaga	18,053	18,609	24,228	24,470	4,393	5,551	5,104	6,499
Ontario	8,540	8,907	7,397	7,711	993	1,334	1,242	1,558
Orange	9,238	9,500	9,809	10,080	1,563	2,018	1,668	2,131
Orleans	2,489	2,603	2,299	2,404	556	776	584	799
Oswego	15,502	15,133	10,006	9,961	8,106	9,804	5,310	6,205
Otsego	3,212	3,316	2,694	2,805	1,334	1,759	1,366	1,781
Putnam	2,667	2,856	3,066	3,241	240	272	392	444
Rensselaer	4,799	4,892	6,436	6,577	1,648	1,905	1,787	2,066
Rockland	5,864	5,898	5,407	5,400	246	274	403	464
St. Lawrence	12,314	12,454	10,585	10,689	4,421	4,879	4,356	4,753
Saratoga	13,226	14,081	13,350	13,820	3,624	4,628	3,868	4,815
Schenectady	5,499	5,323	7,773	7,672	1,205	1,393	1,537	1,794
Schoharie	879	893	1,134	1,161	1,184	1,513	1,095	1,378
Schuyler	4,142	4,202	1,597	1,669	262	321	248	306
Seneca	4,407	4,419	3,085	3,167	346	442	376	468
Steuben	5,582	5,662	5,617	5,706	667	926	715	951
Suffolk	83,203	85,414	77,136	79,245	871	1,066	1,445	1,745
Sullivan	4,522	4,388	3,381	3,325	1,317	1,598	1,112	1,362
Tioga	1,950	1,954	2,801	2,843	530	677	510	637
Tompkins	4,655	4,838	3,797	3,904	474	644	486	678
Ulster	5,736	5,973	6,154	6,342	1,405	1,682	1,496	1,789
Warren	12,774	13,306	7,229	7,550	2,679	3,397	1,973	2,386
Washington	3,167	3,226	3,402	3,467	1,827	2,497	1,815	2,437
Wayne	7,974	8,274	7,103	7,372	2,406	3,037	2,662	3,307
Westchester	13,217	13,267	14,012	14,131	407	417	686	753
Wyoming	2,511	2,619	1,852	1,928	2,040	2,536	1,627	2,155
Yates	4,535	4,548	2,590	2,647	241	318	297	372
Out of State, uncoded and multiple county of use ²	6,026	4,943	12,040	12,403	2,659	1,725	13,372	16,168

¹ Because of rounding, total may differ slightly from the sum of the components.

² Not included in Rest of State.

SOURCE: New York State Department of Motor Vehicles.

TABLE O-25
Fish Distributed by State Hatcheries
New York State — Selected Fiscal Years 1949-50 — 2000-01

Fiscal Ended March 31	All Species		Trout and Salmon		Warm Water	
	Number (thousands)	Weight (pounds)	Number (thousands)	Weight (pounds)	Number (thousands)	Weight (pounds)
1950	518,341	354,032	7,791	339,372	510,550	14,660
1955	289,457	375,806	8,552	361,662	280,905	14,144
1960	388,987	535,898	6,582	511,154	382,404	24,744
1965	382,803	636,984	7,989	606,661	374,814	30,323
1970	269,122	606,329	5,773	601,216	263,349	5,113
1971	326,172	529,263	5,764	524,105	320,407	5,158
1972	143,377	609,767	5,698	606,826	137,680	2,941
1973	219,379	591,212	4,728	585,942	214,650	5,270
1976	180,156	790,773	8,867	781,033	171,289	9,740
1977	461,883	759,206	7,628	749,202	454,254	10,004
1978	100,571	626,691	5,446	620,353	95,125	6,338
1979	97,584	593,163	6,187	588,178	91,397	4,985
1980	174,130	611,474	7,268	606,561	166,862	4,913
1981	119,118	680,644	9,811	670,759	109,307	9,885
1982	189,069	766,668	9,409	758,140	179,659	8,528
1983	171,836	1,046,554	13,102	1,036,373	158,733	10,181
1984	175,398	1,206,055	12,023	1,200,279	163,375	5,776
1985	196,317	1,162,827	13,386	1,155,940	182,931	6,887
1986	201,115	1,145,248	13,101	1,128,582	188,014	16,666
1987	181,314	1,141,165	12,974	1,125,012	168,339	16,153
1988	162,832	975,702	11,211	959,804	151,621	15,898
1989r	157,299	1,108,825	12,186	1,088,875	145,114	19,950
1990r	165,988	1,134,032	11,513	1,118,847	154,475	15,185
1991r	161,130	1,072,010	11,123	1,057,936	150,007	14,074
1992r	143,929	965,731	10,928	952,912	133,001	12,819
1993	24,934	896,794	10,592	886,834	14,342	9,960
1994	161,812	1,017,000	9,202	992,369	152,611	24,368
1995	200,956	903,517	8,070	878,952	192,886	24,565
1996	189,531	869,566	7,908	839,255	181,623	30,311
1997	195,965	901,095	8,492	879,514	187,473	21,581
1998	194,662	1,000,611	8,659	978,544	186,003	22,067
1999	210,120	989,258	7,654	961,500	202,466	27,759
2000	156,607	1,006,155	7,863	980,138	148,744	26,017
2001	206,428	936,903	7,294	910,436	199,135	26,467

NOTE: Detail may not add to totals due to rounding.
r Revised.

SOURCE: New York State Department of Environmental Conservation,
Division of Fish, Wildlife and Marine Resources.

TABLE O-26
Fish Distributed by State Hatcheries by Size and Species
New York State — Fiscal Year 2000-01(a)

Species	All Sizes		Size Categories — measured in inches					
	Number (thousands)	Weight (pounds)	Fry ¹	1 - 4 1/4	4 1/2 - 5 3/4	6 - 6 3/4	7 - 7 3/4	8 and Over
All species	206,428,448	936,903	198,243,442	3,108,994	1,172,070	726,320	699,215	2,478,407
Warm Water								
Walleye	198,616,780	9,080	198,162,000	320,560	134,220	—	—	—
Muskellunge	372,860	1,879	80,000	264,470	8,330	—	—	20,060
Tiger Muskellunge	138,560	14,711	—	—	—	—	36,500	102,060
Sturgeon	3,267	132	1,442	—	—	—	1,825	—
Paddle Fish	130	65	—	—	—	—	—	130
Pan Fish	3,000	600	—	—	—	—	—	3,000
Trout								
Brook	525,334	40,963	—	327,494	103,130	1,000	—	93,710
Brown	1,911,122	529,702	—	41,130	118,360	36,900	22,040	1,692,692
Rainbow	574,185	143,670	—	78,000	2,100	47,500	—	446,585
Rainbow (Steelhead)	774,030	44,155	—	—	594,430	130,000	49,600	—
Lake	819,010	71,427	—	—	26,000	236,800	453,710	102,500
Splake	17,460	5,796	—	—	—	—	—	17,460
Salmon								
Landlocked	642,510	39,135	—	260,140	30,500	274,120	77,540	210
Coho	213,000	17,994	—	—	155,000	—	58,000	—
Chinook	1,654,300	17,123	—	1,654,300	—	—	—	—
Kokanee	162,900	471	—	162,900	—	—	—	—

— Represents zero.

a April 1, 2000 through March 31, 2001.

¹ Includes eggs and fish under one inch in length.

SOURCE: New York State Department of Environmental Conservation,
Division of Fish, Wildlife and Marine Resources.

TABLE 0-27
Marine Recreational Fish Catch
New York State — 1993-2000
(thousands)

Species	1993(r)	1994(r)	1995(r)	1996(r)	1997(r)	1998	1999	2000
All Species	16,292	15,995	10,316	10,843	10,733	9,145	13,567	32,812
Bluefish	2,415	2,777	1,732	1,304	1,715	1,356	1,867	3,195
Black Sea Bass	248	545	434	409	740	91	820	1,495
Scup	2,304	1,299	262	1,144	940	927	1,072	4,237
Summer Flounder	4,266	4,576	2,138	2,398	3,303	2,752	4,020	5,029
Winter Flounder	1,357	664	1,064	1,452	615	182	288	456
Striped Bass	773	1,220	1,314	1,854	1,256	1,051	1,424	1,572
Tautog	1,347	554	572	203	259	586	983	459
Weakfish	34	47	110	106	204	51	54	106
Atlantic Mackerel	105	15	21	5	33	14	27	16
Atlantic Cod	393	107	194	11	21	14	—	80
Northern Puffers	70	95	12	13	58	6	140	4
Other	2,980	4,096	2,463	1,944	1,581	2,175	2,872	16,163
Number of Anglers	622	770	487	584	522	476	376	479
Number of Trips	4,189	4,380	4,019	4,372	4,276	3,431	2,903	4,444

NOTE: Detail may not add to totals due to rounding.
r Revised.

— Represents zero.

SOURCE: New York State Department of Environmental Conservation,
Division of Fish, Wildlife and Marine Resources.

TABLE 0-28
Marine Commercial Fishing
Value of Products
New York State — 1993-2000

Principal Species	Value of Product (thousands of dollars)							2000
	1993(r)	1994	1995	1996	1997	1998	1999	
All Species ¹	\$ 61,001	\$ 66,800	\$ 81,474	\$ 86,735	\$ 96,763	\$ 84,323	\$ 76,249	\$ 59,501
Finfish ¹								
Whiting	5,900	5,793	5,724	5,581	6,560	6,285	4,629	2,340
Yellowtail Flounder	377	45	71	287	960	468	1,012	597
Summer Flounder	1,629	2,888	3,791	1,987	2,033	1,971	1,837	1,975
Tile Fish	2,769	2,592	2,340	3,577	4,247	3,330	1,898	2,006
Scup	1,115	1,563	1,311	1,066	1,301	1,020	718	906
Winter Flounder	766	598	683	691	780	1,048	924	1,003
Atlantic Cod	527	311	256	183	66	100	161	123
Striped Bass	322	509	1,403	1,252	1,151	1,255	1,226	1,510
Swordfish	1,266	826	893	451	697	680	662	604
Bluefish	626	594	578	568	568	632	741	632
Butterfish	361	360	496	657	660	556	513	461
Tunas	3,087	4,791	4,632	1,664	1,828	885	1,644	920
Weakfish	119	4,792	156	231	246	371	437	337
Mollusks and Crustacea ¹								
American Lobster	9,053	13,055	22,118	32,938	38,053	29,851	27,333	11,988
Squid	6,130	6,912	3,814	3,339	6,271	6,742	7,454	7,688
Hard Clam	14,164	14,565	20,293	17,491	18,753	19,185	17,777	17,547
Oyster	2,213	756	1,683	3,427	2,440	1,359	392	1,311
Bay Scallop	143	1,765	203	a	66	22	96	1
Surf Clam	5,555	3,460	3,659	3,851	3,700	2,497	2,203	3,602

NOTE: All Species includes other species not listed in this table and
thus will not add to detail.

¹ May include values for species not identified separately.

SOURCE: New York State Department of Environmental Conservation.

r Revised.

a Less than one.

TABLE O-29
Marine Commercial Fishing Licenses
New York State — 1995-2000

Type of License	1995(r)	1996(r)	1997	1998	1999	2000(a)
All Licenses	10,837	10,643	10,645	9,059	8,834	8,258
Resident Commercial (Lobster)	995	932	888	761	746	657
Resident Non-Commercial (Lobster)	1,689	1,658	1,718	1,728	1,581	882
Non-Resident Lobster	75	68	63	63	61	48
Lobster Landings	11	9	10	12	9	13
Resident Crab	1,096	1,114	1,027	715	724	697
Non-Resident Crab	23	48	36	26	26	31
Commercial Striped Bass	712	693	641	580	585	544
Commercial Fluke	433	446	418	440	386	359
Shellfish Bed	8	7	4	7	10	10
Menhaden Purse Seine Vessel	45	48	55	33	35	23
Marine Hatchery	12	16	17	16	16	16
Marine On/Off Bottom Culture	28	30	33	37	43	47
Food Fish Landing	72	55	54	46	40	46
Resident Food Fish	1,770	1,587	1,473	1,285	1,355	1,287
Non-Resident Food Fish	76	71	68	67	67	66
Shellfish Shipper — Class A	29	27	26	23	21	20
Shellfish Shipper — Class B	118	118	118	115	117	117
Shellfish Shipper — Class C	118	123	114	117	108	98
Shellfish Shipper — Class D	60	64	66	59	50	49
Shellfish Shipper — Class E	18	21	22	14	13	13
Shellfish Shipper — Class F	540	591	632	378	356	299
Shellfish Shipper — Class G	52	34	32	33	34	27
Diggers	2,857	2,883	3,130	2,504	2,451	1,977

r Revised.

a All Licenses for 2000 include several new categories of individual licenses that are not included on this table. As such, detail will not add to totals.

SOURCE: New York State Department of Environmental Conservation; Division of Fish, Wildlife and Marine Resources.

TABLE O-30
Location and Intensity of
Significant Earthquakes in New York State
1737-2001

Date	Locality	Location		Io Maximum Modified Mercalli Intensity	M General Mgnitude
		Latitude (North)	Longitude (west)		
Dec. 18, 1737	New York City	40.60	73.80	VI	5.0e
Mar. 12, 1853	Lowville	43.70	75.50	VI	4.8e
Oct. 23, 1857	Buffalo	42.90	78.30	V	4.6e
Dec. 18, 1867	Canton	44.05	75.15	VI	4.8e
Dec. 11, 1874	Tarrytown	41.00	73.90	VI	4.8e
Aug. 10, 1884	Rockaway Beach (NYC)	40.50	73.80	VI	5.3e
May 28, 1897	Plattsburgh	44.50	73.50	VI	
Mar. 18, 1928	Saranac Lake	44.50	74.30	VI	4.5e
Aug. 12, 1929	Attica	42.84	78.24	VII	5.2
Apr. 20, 1931	Warrensburg	43.50	73.80	VII	4.5
Apr. 15, 1934	Dannemora	44.70	73.80	VI	4.5
Sep. 5, 1944	Massena	45.00	74.85	VIII	6.0
Sep. 5, 1944	Massena	45.00	74.85	V	4.5
Jan. 1, 1966	Attica	42.84	78.25	VI	4.6
Jun. 13, 1967	Attica	42.84	78.23	V	4.4
Oct. 7, 1983	Newcomb	43.94	74.26	VI	5.1
Oct. 19, 1985	White Plains	40.98	73.83	V	4.0
June 17, 1991	Summit	42.63	74.68	V	4.1
March 22, 1994	Cuylerville	42.78	77.86	VI	3.6a

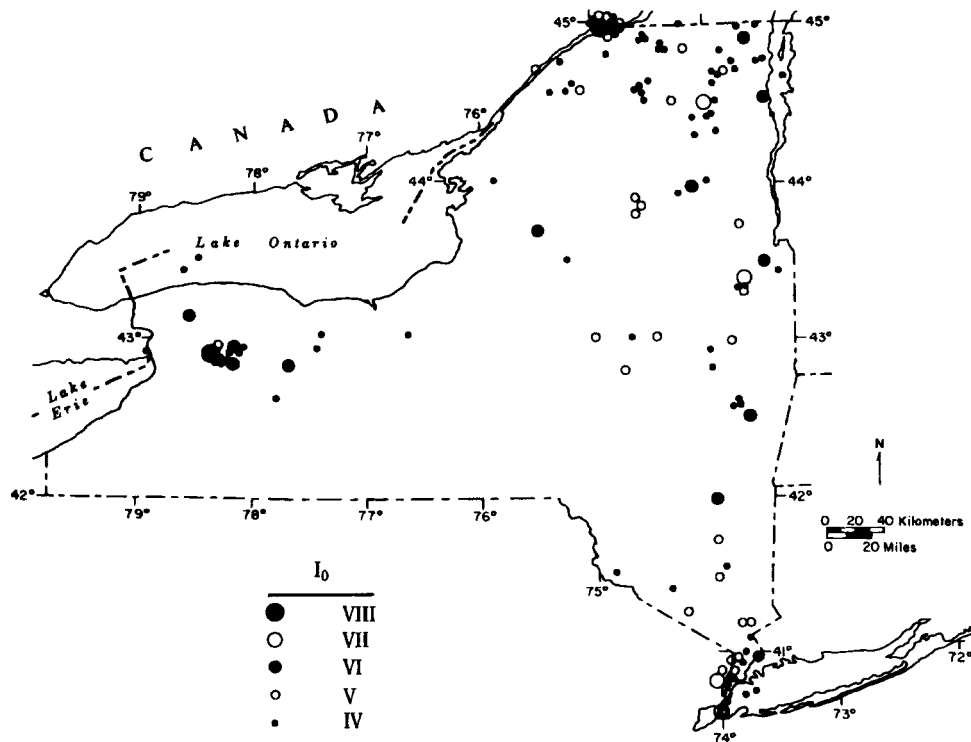
e Estimated.

a Caused by roof collapse in salt mine.

SOURCE: New York State Education Department, Geological Survey.

FIGURE O-2

**Location and Intensity of Significant Earthquakes
New York State — 1737-2001**



I₀ Maximum Modified Mercalli Intensity

SOURCE: New York State Education Department, Geological Survey.

Modified Mercalli Earthquake Intensity Scale

- | | |
|--|---|
| <p>I. Not felt except by a very few under especially favorable circumstances.</p> <p>II. Felt only by a few persons at rest, especially on upper floors of buildings. Delicately suspended objects may swing.</p> <p>III. Felt quite noticeably indoors, especially on upper floors of buildings but many people do not recognize it as an earthquake. Standing motor cars may rock slightly. Vibration like passing of truck. Duration estimated.</p> <p>IV. During the day felt indoors by many, outdoors by few. At night some awakened. Dishes, windows, doors disturbed; walls make cracking sound. Sensation like heavy truck striking building. Standing motor cars rocked noticeably.</p> <p>V. Felt by nearly everyone, many awakened. Some dishes, windows, etc., broken; a few instances of cracked plaster; unstable objects overturned. Disturbance of trees, poles and other tall objects sometimes noted. Pendulum clocks may stop.</p> <p>VI. Felt by all, many frightened and run outdoors. Some heavy furniture moved; a few instances of fallen plaster or damaged chimneys. Damage slight.</p> <p>VII. Everybody runs outdoors. Damage negligible in building of good design and construction; slight to moderate in well-built ordinary structures; considerable in poorly built or badly designed structures; some chimneys broken. Noticed by persons driving motor cars.</p> | <p>VIII. Damage slight in specially designed structures; considerable in ordinary substantial buildings, with partial collapse; great in poorly built structures. Panel walls thrown out of frame structure. Fall of chimneys, factory stacks, columns, monuments, walls. Heavy furniture overturned. Sand and mud ejected in small amounts. Changes in well water. Persons driving motor cars disturbed.</p> <p>IV. Damage considerable in specially designed structures: well-designed frame structures thrown out of plumb; great in substantial buildings, with partial collapse. Buildings shifted off foundations. Ground cracked conspicuously. Underground pipes broken.</p> <p>X. Some well-built wooden structures destroyed; most masonry and frame structures destroyed with foundations; ground badly cracked. Rails bent. Landslides considerable from river banks and steep slopes. Shifted sand and mud. Water splashed (stopped) over banks.</p> <p>XI. Few, if any, (masonry) structures remain standing. Bridges destroyed. Broad fissures in ground. Underground pipelines completely out of service. Earth slumps and land slips in soft ground. Rails bent greatly.</p> <p>XII. Damage total. Practically all works of construction are damaged greatly or destroyed. Waves seen on ground surface. Lines of sight and level are distorted. Objects are thrown upward into the air.</p> |
|--|---|

TABLE O-31
Air Pollution by Types of Contaminant
New York State
1964-2001

Year	All Suspended Particulates ¹			Carbon Monoxide				Ozone
	Annual Geometric Mean ² (m/cm) ³	Number of Sites in Violation	Sulfur Dioxide (ppm) ⁴	Number of Times a Running 8-hour Average Exceeded NYS Standard ⁵		Number of Days During Which a Running 8-hour Average Exceeded NYS Standard ⁵		Number of Days During Which One or More of the One-Hour Averages Exceeded NYS Standard ⁶
				NYC ⁷	NYS ⁸	NYC ⁷	NYS ⁸	
1964	96.0							
1965	92.5							
1966	89.0	48						
1967	82.5	57						
1968	79.0	62						
1969	72.5	57						
1970	73.0	67	0.036					
1971	76.2	77	0.034					
1972	71.2	59	0.021					
1973	68.9	52	0.019					19
1974	63.4	36	0.019					35
1975	56.2	23	0.016					37
1976	57.1	8	0.015					47
1977	51.6	14	0.017					45
1978	50.5	9	0.015					36
1979	51.7	4	0.016					37
1980	54.9	3	0.015					41
1981	51.4	6	0.014	52	5	43	5	24
1982	44.6	2	0.014	21	4	21	4	20
1983	39.4	—	0.013	22	2	20	2	36
1984	44.7	—	0.013	23	4	23	3	17
1985	41.6	—	0.012	4	—	4	—	15
1986	40.5	—	0.012	2	1	2	1	9
1987	44.3	—	0.011	1	2	1	2	20
1988	44.1	—	0.012	—	1	-	1	33
1989	43.0	—	0.012	2	—	2	—	8
1990	35.9	—	0.011	4	—	3	—	9
1991	37.8	—	0.011	2	—	2	—	15
1992	32.9	—	0.009	—	—	—	—	2
1993	32.3	—	0.008	—	—	—	—	9
1994	39.3	—	0.008r	—	—	—	—	8
1995	37.5	—	0.006	1	—	1	—	8
1996	35.6	—	0.006	—	—	—	—	4
1997	34.8	—	0.006	—	—	—	—	8
1998	36.0	—	0.006	—	—	—	—	3
1999	42.2a	—	0.007	—	—	—	—	10
2000	41.1a	—	0.007	—	—	—	—	1
2001	NA	NA	NA	NA	NA	NA	NA	5

NA Not available.

— Represents zero.

r Revised.

a No longer representative, only 3 monitoring sites.

1 Any matter, solid or liquid, dispersed into the atmosphere and capable of being collected by a high-volume air sampler.

2 Annual geometric mean: 50 percent of the values sampled during the year are higher and 50 percent are lower.

3 Micrograms of contaminant per cubic meter of air.

4 Parts (of contaminant) per million parts of air by volume.

5 NYS Ambient Air Quality Standard of 9 ppm (parts per million parts of air).

6 NYS Ambient Air Quality Standard of 0.12 ppm (parts per million parts of air). Readings are taken from continuous sampling stations.

7 Midtown Manhattan Traffic Site — 110 East 45th Street (1981-1989); Alexander's Department Store — 59th Street (1990-1991); Bloomingdales (1992-1995); Brooklyn Transit (1984-1995).

8 Statewide (excluding Traffic Sites).

SOURCE: New York State Department of Environmental Conservation, Division of Air Resources.

TABLE 0-32
Air Pollution Sources by Permit Type
New York State by County
As of November 9, 2001

County	Title V ¹	State Facility	Registration
New York State	550	1,130	6,705
New York City	133	211	3,576
Bronx	21	39	480
Kings	39	61	864
New York	33	43	1,245
Queens	35	55	843
Richmond	5	13	144
Rest of State	417	919	3,129
Albany	14	23	69
Allegany	3	2	20
Broome	8	19	52
Cattaraugus	3	12	45
Cayuga	3	6	19
Chautauqua	13	16	75
Chemung	3	13	31
Chenango	4	9	16
Clinton	3	18	24
Columbia	4	5	12
Cortland	2	12	17
Delaware	3	5	10
Dutchess	4	18	51
Erie	33	81	256
Essex	1	4	4
Franklin	1	10	11
Fulton	3	13	24
Genesee	3	6	28
Greene	3	7	7
Hamilton	—	3	1
Herkimer	4	16	22
Jefferson	4	12	26
Lewis	3	9	9
Livingston	4	5	15
Madison	—	3	25
Monroe	20	43	148
Montgomery	1	14	22
Nassau	31	45	472
Niagara	21	33	70
Oneida	9	29	65
Onondaga	16	39	102
Ontario	6	11	34
Orange	25	34	81
Orleans	1	6	8
Oswego	11	12	29
Otsego	—	7	10
Putnam	1	7	19
Rensselaer	9	16	32
Rockland	12	28	115
St. Lawrence	7	18	33
Saratoga	6	14	51
Schenectady	6	14	19
Schoharie	1	5	12
Schuyler	2	3	3
Seneca	3	7	7
Steuben	7	19	30
Suffolk	46	67	427
Sullivan	2	7	8
Tioga	—	6	11
Tompkins	4	4	12
Ulster	7	23	23
Warren	4	13	16
Washington	8	14	26
Wayne	5	7	25
Westchester	16	38	324
Wyoming	3	8	21
Yates	1	1	5

— Represents zero.

SOURCE: New York State Department of Environmental Conservation,
 Division of Air Resources.

¹ Title V permits are issued under the authority of the Clean Air Act Amendments of 1990 to major sources of air pollution.

TABLE O-33
Active Solid Waste Disposal Sites¹
New York State by County
Selected Years 1970-2001

County	1970	1982	1984	1986	1988	1990	1992	1994	1996	2000	2001	Permitted Landfills ²
New York State	861	524	511	354	263	220	127	67	67	53	51	49
New York City	6	5	3	2	2	2	1	1	1	1	—	—
Rest of State	855	519	508	352	261	218	126	66	66	52	51	49
Albany	12	13	12	8	5	5	4	3	3	3	3	3
Allegany	16	9	9	2	1	1	1	1	1	2	2	2
Broome	10	4	4	3	3	2	2	2	2	2	2	2
Cattaraugus	36	5	5	4	2	—	—	—	—	—	—	—
Cayuga	22	10	10	9	6	1	1	1	1	1	1	1
Chautauqua	14	3	3	4	3	2	2	2	2	2	2	2
Chemung	11	2	2	2	1	1	1	1	1	1	1	1
Chenango	18	9	9	8	7	6	2	1	1	1	1	1
Clinton	14	4	4	3	3	3	2	1	1	1	1	1
Columbia	13	14	14	5	1	—	—	—	—	—	—	—
Cortland	12	2	2	3	1	1	1	1	1	1	1	1
Delaware	16	5	5	4	2	1	1	1	1	1	1	1
Dutchess	14	15	15	11	9	6	4	—	—	—	—	—
Erie	31	23	24	7	5	3	3	2	2	2	2	2
Essex	17	16	17	14	14	14	3	2	2	1	1	1
Franklin	17	16	16	16	16	15	2	1	1	1	1	1
Fulton	12	9	9	5	4	1	1	1	1	1	1	1
Genesee	11	6	6	2	1	1	1	1	1	1	1	1
Greene	6	6	6	5	4	4	4	1	1	1	1	1
Hamilton	9	8	8	6	5	5	5	2	2	—	—	—
Herkimer	14	7	6	5	3	3	1	1	1	1	1	—
Jefferson	21	12	13	13	7	6	5	2	2	2	2	2
Lewis	12	9	9	11	4	1	—	—	—	—	—	—
Livingston	16	5	5	3	2	1	1	1	1	1	1	1
Madison	12	1	1	1	1	1	1	2	2	1	1	1
Monroe	21	11	11	2	2	2	2	3	3	2	2	2
Montgomery	29	2	2	2	2	2	2	1	1	—	—	—
Nassau	10	11	11	2	1	1	—	—	—	—	—	—
Niagara	7	10	10	7	5	4	2	2	2	2	2	2
Oneida	17	10	8	6	4	4	2	1	1	—	—	—
Onondaga	23	17	17	14	5	4	2	—	1	—	—	—
Ontario	17	9	9	2	3	3	3	2	2	2	2	2
Orange	26	6	6	6	5	5	5	2	2	2	2	2
Orleans	9	2	2	1	1	—	—	—	—	—	—	—
Oswego	15	3	2	1	1	1	1	1	1	1	1	1
Otsego	17	10	10	7	1	1	—	—	—	—	—	—
Putnam	6	6	6	2	2	2	1	—	—	—	—	—
Rensselaer	15	16	16	12	13	10	8	1	1	1	—	—
Rockland	4	5	5	3	4	4	3	3	3	1	1	—
St. Lawrence	36	36	36	28	7	5	2	—	—	—	—	—
Saratoga	19	17	17	18	18	17	5	3	3	2	2	2
Schenectady	12	7	7	6	6	6	4	—	—	—	—	—
Schoharie	10	2	2	1	1	1	—	—	—	—	—	—
Schuyler	4	4	4	1	—	—	—	—	—	—	—	—
Seneca	12	8	8	1	1	1	1	1	1	1	1	1
Steuben	19	5	5	2	2	2	2	2	2	2	2	2
Suffolk	17	24	15	13	13	12	7	4	3	3	3	3
Sullivan	16	9	9	6	6	3	2	1	1	1	1	1
Tioga	6	3	3	3	2	2	1	—	—	—	—	—
Tompkins	3	2	2	1	1	1	1	1	1	1	1	1
Ulster	21	18	18	16	15	15	15	2	2	—	—	—
Warren	11	12	12	12	12	12	2	1	1	—	—	—
Washington	13	16	16	14	12	11	3	3	3	2	2	2
Wayne	13	11	11	6	3	1	—	—	—	—	—	—
Westchester	17	9	9	1	1	1	1	1	1	1	1	1
Wyoming	14	3	3	1	1	—	—	—	—	—	—	—
Yates	10	2	2	1	1	1	1	1	1	1	1	1

— Represents zero.

¹ Active sanitary, industrial and ash monofill landfills. Does not include active construction and demolition debris landfills.

² Operating under a Part 360 permit or SAPA Equivalency Permit as of June 30, 1999.

SOURCE: New York State Department of Environmental Conservation, Division of Solid and Hazardous Materials.

TABLE O-34
Hazardous Waste Sites
Confirmed or Suspected, by Class
New York State — November 2001

County	Total	Class ¹				
		2	2A	3	4	5
New York State	866	509	35	84	222	16
New York City	35	26	1	3	3	2
Bronx	3	2	1	—	—	—
Kings	8	5	—	2	—	1
New York	1	1	—	—	—	—
Queens	14	10	—	1	3	—
Richmond	9	8	—	—	—	1
Rest of State	831	483	34	81	219	14
Albany	19	8	—	4	7	—
Allegany	7	2	1	—	2	2
Broome	20	12	—	1	7	—
Cattaraugus	14	7	—	1	5	1
Cayuga	5	3	1	1	—	—
Chautauqua	16	6	—	5	5	—
Chemung	10	6	1	1	2	—
Chenango	7	3	—	1	3	—
Clinton	8	3	—	—	5	—
Columbia	5	4	—	1	—	—
Cortland	5	4	—	—	1	—
Delaware	8	5	—	—	3	—
Dutchess	33	24	—	1	8	—
Erie	65	28	2	10	21	4
Essex	1	1	—	—	—	—
Franklin	1	1	—	—	—	—
Fulton	4	1	—	1	2	—
Genesee	5	4	—	—	1	—
Greene	8	6	—	2	—	—
Hamilton	—	—	—	—	—	—
Herkimer	13	7	—	2	4	—
Jefferson	6	4	—	—	2	—
Lewis	3	1	—	1	1	—
Livingston	5	4	1	—	—	—
Madison	4	2	—	1	1	—
Monroe	50	32	3	6	8	1
Montgomery	3	1	—	—	2	—
Nassau	80	68	1	1	10	—
Niagara	56	20	1	14	20	1
Oneida	27	16	1	1	7	2
Onondaga	39	18	1	5	15	—
Ontario	7	3	1	2	1	—
Orange	25	16	—	2	7	—
Orleans	8	8	—	—	—	—
Oswego	12	8	—	1	3	—
Otsego	2	2	—	—	—	—
Putnam	6	2	1	—	3	—
Rensselaer	19	12	1	2	4	—
Rockland	17	11	2	—	3	1
St. Lawrence	20	7	1	—	12	—
Saratoga	18	8	—	5	5	—
Schenectady	12	7	1	2	2	—
Schoharie	2	2	—	—	—	—
Schuyler	1	1	—	—	—	—
Seneca	9	3	2	1	3	—
Steuben	9	2	—	1	6	—
Suffolk	58	40	7	—	10	1
Sullivan	2	1	—	—	1	—
Tioga	10	6	1	—	3	—
Tompkins	6	3	—	1	2	—
Ulster	13	8	1	1	3	—
Warren	4	4	—	—	—	—
Washington	9	6	—	—	2	1
Wayne	4	1	—	1	2	—
Westchester	23	17	2	—	4	—
Wyoming	4	2	—	2	—	—
Yates	4	2	1	—	1	—

NOTE: There are no sites classified as Class 1 in New York State.

— Represents zero.

1 Definitions of Classes:

- 1 Immediate Action Required: site causes or presents an imminent danger of irreparable damage to public health or the environment.
- 2 Action Required: site is a significant threat to public health or the environment.
- 2A Inadequate Data: not enough information to decide whether a site needs remediation.

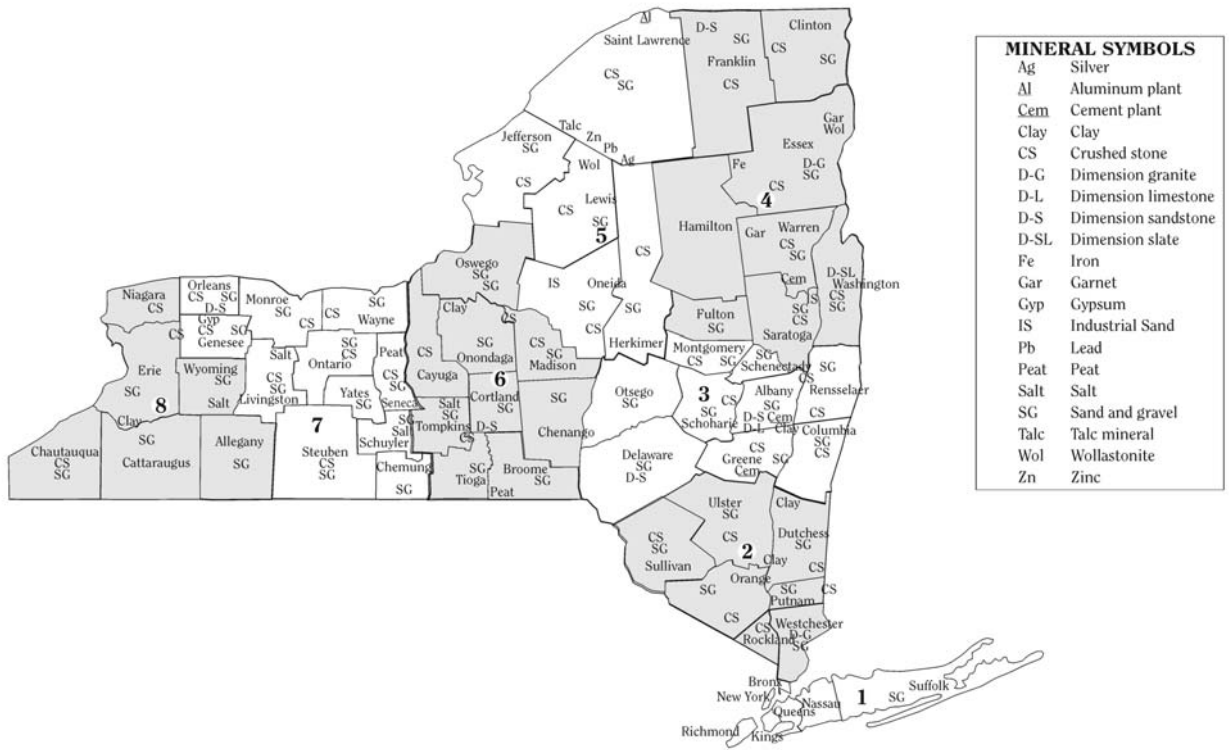
3 Action May be Deferred: site contains hazardous waste but does not present a significant threat to public health or the environment.

4 Requires Continued Management: site has been properly closed or remediated.

5 No Further Action Required.

SOURCE: New York State Department of Environmental Conservation, Division of Environmental Remediation.

FIGURE O-3
New York State
Mineral Resources
2002



SOURCE: New York State Geological Survey/U.S. Geological Survey.