

New York State Oil, Gas and Mineral Resources 2005

**New York State
Department of Environmental Conservation
Division of Mineral Resources
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www.dec.state.ny.us



George E. Pataki, Governor

Denise M. Sheehan, Commissioner

Division Mission Statement

The Division of Mineral Resources is responsible for ensuring the environmentally sound, economic development of New York's non-renewable energy and mineral resources for the benefit of current and future generations.

This report was produced by the
NYS Department of Environmental Conservation

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Bradley J. Field, Director

Executive Summary

Mining occurs in every region of the State except the New York City area. Oil and gas development has historically occurred in the western half of the State, but the Finger Lakes region has been experiencing heavy activity for several years. Due to differences in legal reporting requirements, the types of statistics presented for the two programs are not identical.

Oil, Gas and Solution Mining

Inspections - Staff traveled 108,444 miles and performed 2,577 oil and gas inspections.

Permits and Completions

Gas:	Permits	180	Completions	104
Oil:	Permits	199	Completions	93
Other:	Permits	55	Completions	64
Total:	Permits	434	Completions	261

Wells Reported (All Types) 2005 - 12,587

Wells To Date (All Types) - 75,000, majority pre-regulation (most plugging status unknown).

Production & Market Value

Gas	55.2 bcf	Value Up	18%
Oil	211,292 bbl	Value Up	15%
Total O&G Mkt Value	\$440 million		

State Leasing - 87 leases were in effect covering 64,521 acres, 189 producing wells.

Revenues from Oil and Gas

State Revenues	\$ 3.4 million
Local Govt. Taxes (est.)	\$13.0 million
Landowner Royalties (est.)	\$53.0 million

Underground Natural Gas Storage - 23 facilities were 81% full at year-end.

Total Storage Capacity	209 bcf
Working Gas Capacity	80 bcf
Max. Daily Deliverability	1.927 bcf/day

Solution Mining - 5 facilities produced 1.58 billion gallons of brine equal to 1.84 million metric tons of salt.

Financial Security - In 2005 New York held \$13.7 million to guarantee well plugging and site reclamation.

Mined Land Reclamation

Inspections - Staff traveled 210,279 miles to perform 1,982 mine inspections.

Permits Issued

Total Permits	411	Fees Annual
New Permits	66	Regulatory
Renewal & Mod.	345	\$2.8 Million

Active Mines 2,249

Estimated Market Value \$1.1 Billion

US Production Rank by Quantity

Wollastonite	1st	Salt	3rd
Garnet	1st	Talc	4th

NY Rank by Value

Crushed Stone	1st	Sand & Gravel	4th
Salt	2nd	Wollastonite	5th
Cement	3rd		

Common Mine Types

Sand & Gravel	1,869
Limestone & Dolostone	98
Bluestone	59

Owner Type

Industry	1,759
County	56
Town	418

Net Affected Acreage 48,859

Life-of-Mine Acreage 112,658

Reclaimed Acreage, 2005 1,331

Reclaimed Since 1975 24,450

Financial Security - In 2005 New York required \$107.5 million to guarantee mine site reclamation.

Division of Mineral Resources Program Highlights

New York State gas production in 2005 was 55.2 billion cubic feet (bcf), an all-time high that broke the previous record of 46.9 bcf set in 2004. The Trenton-Black River's contribution to the State's total production continued to climb and hit roughly 80% (44 bcf) in 2005.

Six new Trenton-Black River gas fields started production in 2005: South Corning, Rayner, Zimmer Hill and Oak Hill in Steuben County; Cooper Hill and Cleveland Hill in Chemung County.

With discoveries in deep sandstones (Oneida-Oswego and Theresa) and gas shows in shallow shale formations, the industry has taken notice that New York has other under-explored formations with potentially significant reserves. More advanced exploration techniques used elsewhere in the country are now routinely employed in New York by many companies.

In 2005 the price of oil reached levels not seen since the early 1980s and oil drilling picked up in the State's southern tier. Overall, New York's drilling permits hit a 20-year high in 2005. Drilling rig availability has become a significant concern for New York's oil and gas operators.

By year-end 2005 a total of 18 deep wells had been drilled on or adjacent to State land. In 2005 New York collected \$3.2 million in royalties from wells draining State land. Due to the high level of Trenton-Black River activity, Steuben County has the most State acreage under lease.

Chapter 386 of the Laws of 2005 was signed into law on August 2, 2005. The amendments to the Environmental Conservation Law included changes to Title 3 (financial security), Title 5 (well spacing), Title 7 (voluntary integration) and Title 9 (compulsory integration). The General Obligations Law was also amended to include new lease language requirements effective January 1, 2006.

In 2005 there were 2,249 active DEC-regulated mines in New York State, a drop of 23 mines from 2004 and the seventh straight year of decline. The decrease is especially noticeable in the Long Island and lower Hudson Valley regions.

Nevertheless, statewide production of New York's major mined commodities remains relatively level from year-to-year. Increasingly, mine operators are choosing to replace production by expanding current mines rather than opening new ones. This trend holds true for both sand and gravel mines and hardrock quarries. Only 66 of the 411 mining permits issued in 2005 were for new facilities.

A total of 48,859 acres were affected by mining in 2005 out of a total life-of-mine approved acreage of 112,658 acres. The Department continued to have success promoting concurrent reclamation with 528 acres reclaimed concurrently at 52 operating mines. Final reclamation of 803 acres occurred at 91 closed mines bringing the year's reclamation total to 1,331 acres. Approximately 24,450 acres of land affected by mining have been reclaimed since 1975.

In 2005 the Division published the New York State Revegetation Procedures Manual: Surface Mining Reclamation. The 91-page guide will help mine operators tailor planting decisions to the specific features of their site and the final intended use of the reclaimed land.

The level of bluestone activity continued to increase in 2005. Record values for this paving and facing stone spurred new investment and increased production.

In 2005 the Division held over \$107.5 million in financial security to guarantee reclamation of mines. However, Department experience shows that many bonds have not kept pace with reclamation costs.

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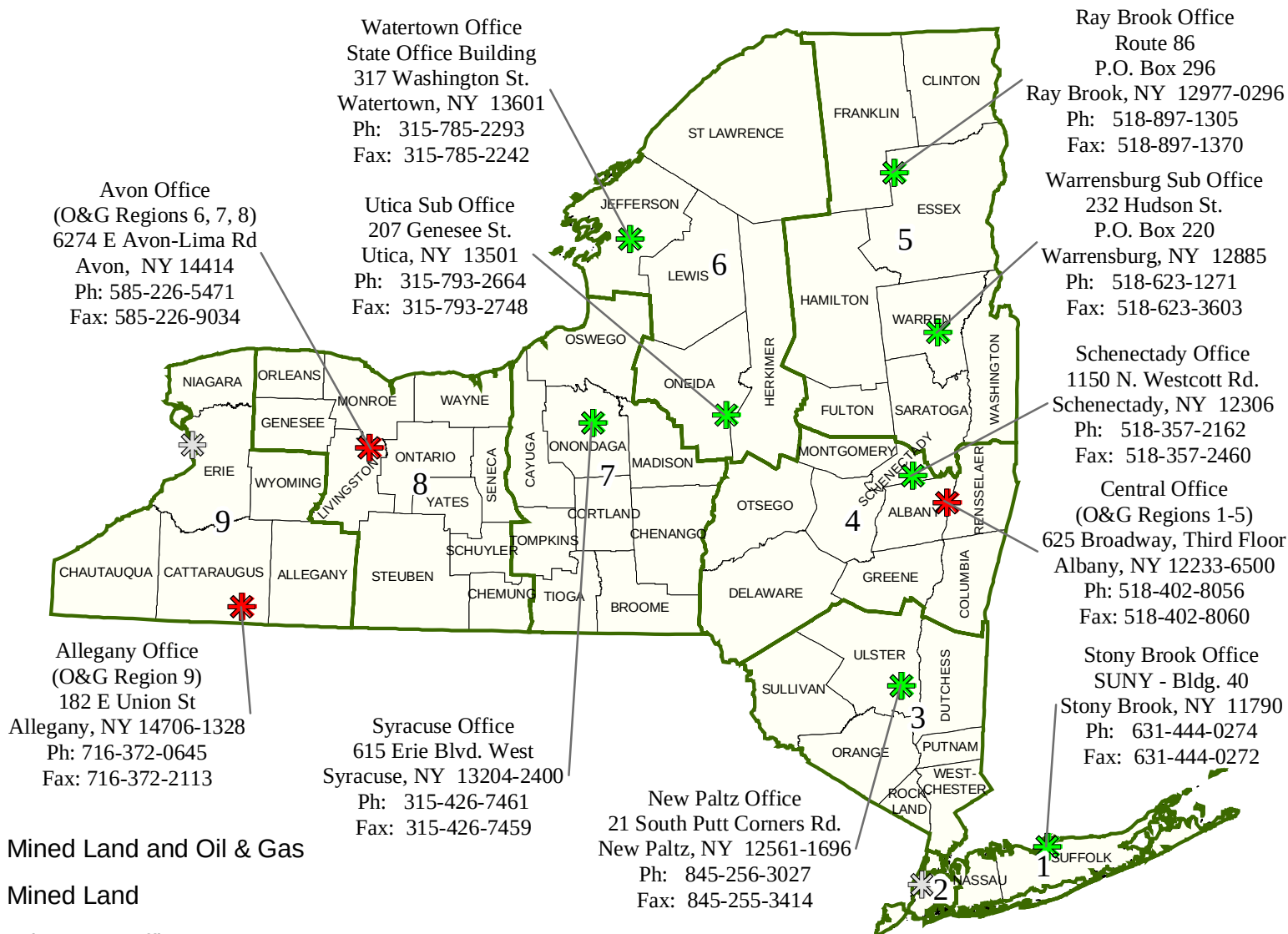
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Appendix 1 - Oil and Gas Data

Appendix 2 - Mined Land Data

Map 1 - Division of Mineral Resources Regional Service Areas



2005 New York Oil & Gas Industry At a Glance

Production and Market Value

Gas	55.2 bcf	Value Up 18%
Oil	211,292 bbl	Value Up 15%
Total Market Value	\$440 Million	

All Reported Wells 12,587

Active Wells

Natural Gas	5,957
Oil	2,767
Gas Storage	932
Solution Salt	96

Revenues In Millions

State Leasing	\$3.4 Million
Local Govt (est.)	\$13.1 Million
Landowner Royalties (est.)	\$53.1 Million

Underground Gas Storage

23 facilities, 81% full at year-end	
Total Storage Capacity	209 bcf
Working Gas Capacity	80 bcf
Max. Deliverability	1.927 bcf/day

Financial Security

Plugging & Reclamation
\$13,719,025

Solution Mining

5 facilities produced 1.58 billion gallons of brine (1.84 million metric tons salt)

State Leasing

87 leases covered 64,521 acres
and 189 productive wells

Natural Gas & Oil Abbreviations



Abbreviations for natural gas volume measurements:

mcf thousand cubic feet
mmcf million cubic feet
bcf billion cubic feet

Crude oil is also measured by volume. One barrel equals 42 gallons.



bbl barrel

What's an MCF Do ?

Roughly 4.2 million households in New York use natural gas for home heat, cooking and heating water. It takes just 69 mcf per year to heat the average New York home¹. The State's 2005 production of 55.2 bcf was enough to heat 800,000 homes.



¹ New York State data from US DOE/EIA 2001

Market Value and Economic Benefits

Market Value

Due to both higher prices and higher production, the total market value of New York's oil and gas output increased by roughly 32% from \$334 million in 2004 to over \$440 million in 2005. Likewise the market value of natural gas rose 31% between 2004 and 2005 to \$429.5 million. While oil is a much smaller contributor to the total, it nonetheless rose an impressive 71% from 2004 to \$11.1 million in 2005.

Tax Revenues to Local Governments

Communities in oil and gas producing areas also benefit from the industry's activity. DEC estimates that real property taxes on 2005 natural gas and oil production totaled roughly \$13 million. Local governments assess their taxes each year based on a unit of production value determined by the NY State Division of Equalization and Assessment using a five-year average. This dampens the impact of fluctuating oil and gas prices.

State Lease Oil and Gas Prices

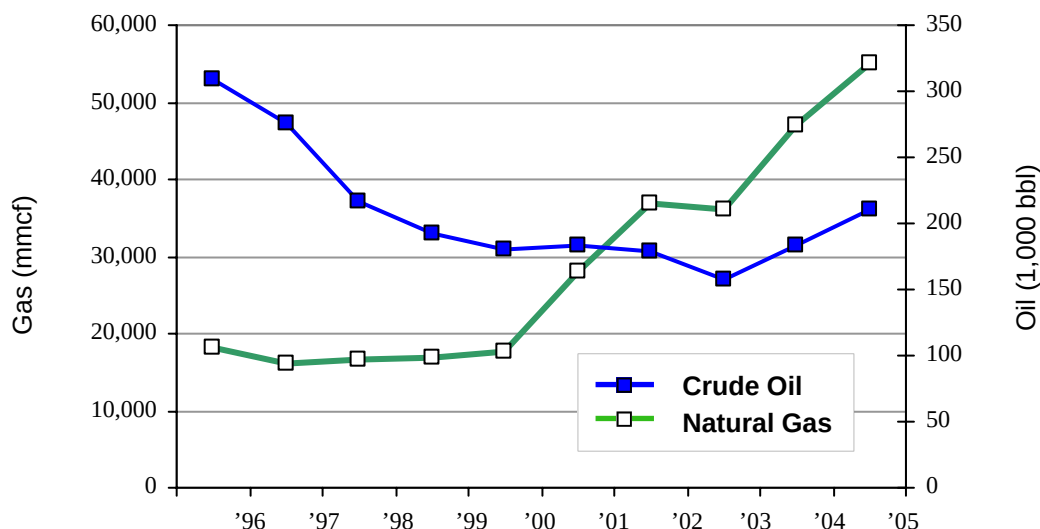
The average wellhead natural gas price of \$7.78 per mcf in 2005 was up 11% from the \$6.98 price of 2004. The average price of oil in 2005 of \$52.75 per bbl was up 49.5% from \$35.27 in 2004. These average prices were obtained from royalty payments made to New York for leases on State lands.

Landowner Royalties and Landowner Wells

The majority of landowners with producing oil and gas leases receive a royalty from the well operator. Based on an average royalty of one-eighth of the production value, it is estimated that landowners in New York received roughly \$53 million in royalties in 2005.

In addition, nearly 500 of New York's gas well operators, mostly landowners, own just one well. Typically the wells are no longer commercially productive, but produce enough gas to help reduce their home heating costs.

Chart 1 - New York State Oil and Gas Production, 1996 - 2005



Production of Oil and Gas

Natural Gas Production

New York's reported natural gas production for 2005 was 55.2 bcf, an increase of 18% from 2004. Approximately 44 bcf of gas came from just 71 producing Trenton-Black River wells, with one well producing over 6.25 bcf.

Oil Production

In 2005 New York's production of oil increased roughly 15% to 211,292 from 184,065 bbl in 2004.

Top Counties and Operators

In 2005 Chemung County took the lead when its natural gas production increased by 66% from 2004. Steuben and Chemung Counties accounted for 74% of New York's 2005 production. Former leader Steuben County dropped back to second place with a slight production decrease. Chautauqua County continued in third place (see Table 1).

In 2005 the top gas producer was Fortuna at 41 bcf of gas and the top oil producer was East Resources at 52,927 bbl of oil.

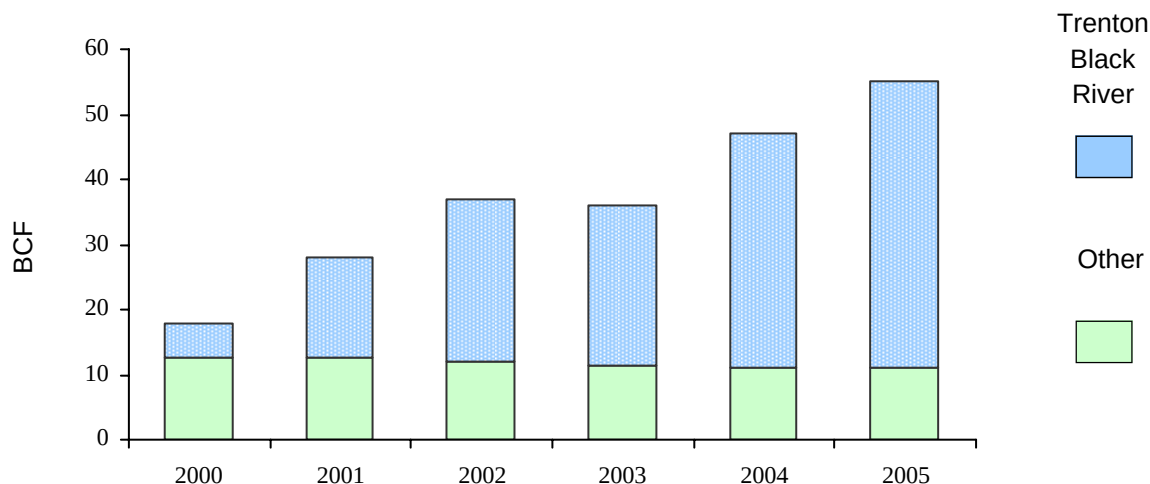
Table 1 - Top Ten Gas Counties, 2005

County	Gas (mcf)	Active Gas Wells	Average mcf/Well
Chemung	20,816,148	31	671,489
Steuben	20,281,703	53	382,674
Chautauqua	5,673,301	3,122	1,817
Schuyler	2,809,365	6	468,228
Erie	1,476,702	853	1,731
Cattaraugus	976,977	505	1,935
Genesee	667,746	498	1,341
Seneca	606,303	160	3,789
Cayuga	589,367	227	2,596
Wyoming	321,381	236	1,362

For Further Details

Map 2 (page 12) gives production information by town. Table 2 on page 13 gives production by geologic formation. Visit our website www.dec.state.ny.us/website/dmn for more information.

Chart 2 - Producing Formation for NY Natural Gas, 2000-2005



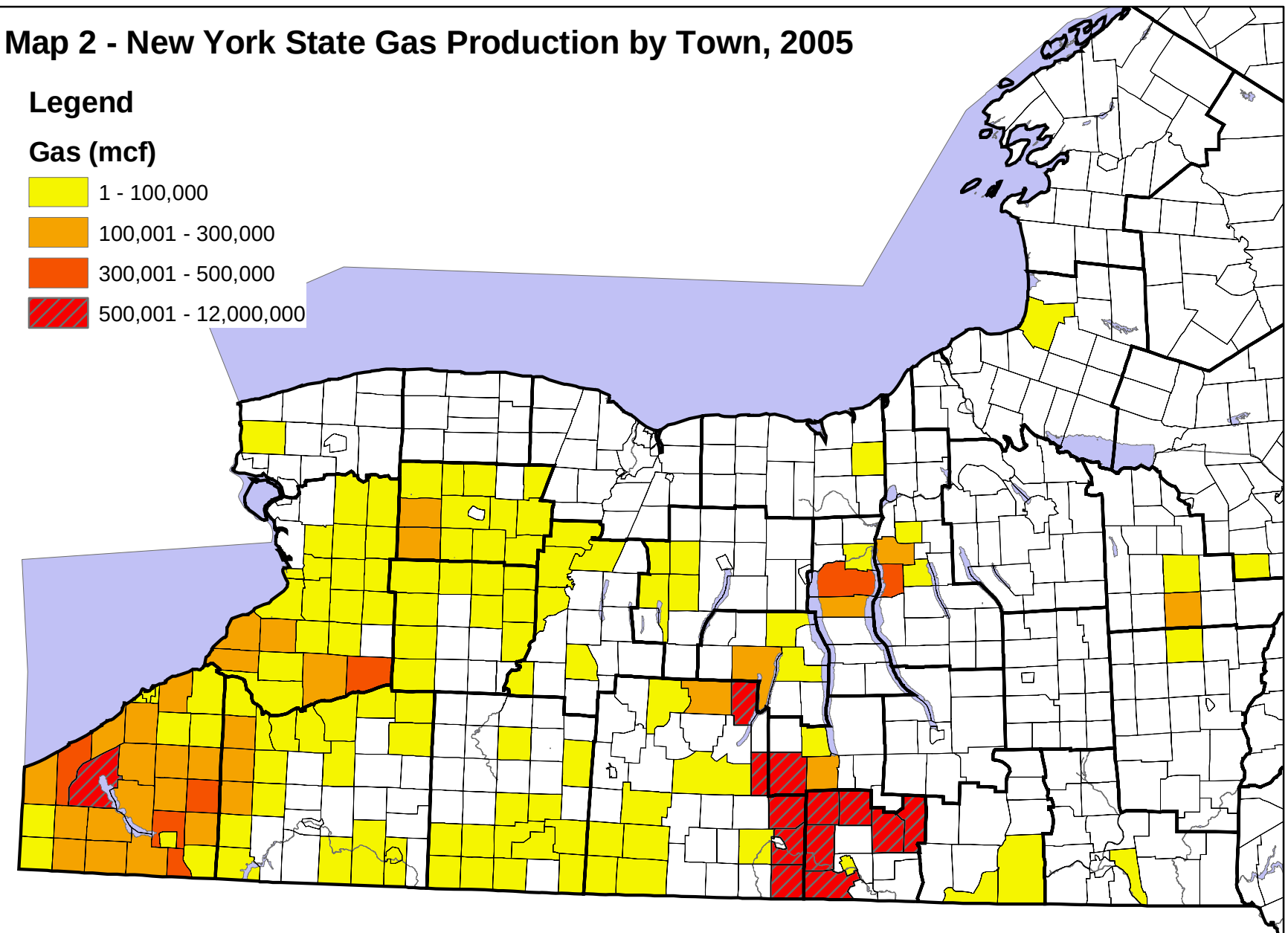


Table 2 - Production by Geologic Formation, 2005

Formation	Wells	Gas	Oil
Devonian Shale	26	27,711	0
Canadaway Group*	2,069	94,950	117,105
Perrysburg	707	187,485	48,246
Tully	11	20,376	0
Hamilton	3	0	0
Marcellus	6	1,767	0
Onondaga	49	74,093	1,483
Oriskany	15	53,431	0
Helderberg	5	45,621	0
Akron	22	17,594	0
Herkimer-Oneida-Oswego	23	238,209	0
Medina	5,223	8,545,216	201
Bass Island	60	94,662	14,911
Queenston	392	1,186,415	0
Trenton	5	21,403	0
Black River	72	43,997,660	0
Little Falls	1	16,983	0
Theresa	9	430,684	0
Other	22	122,107	12,059

* Undifferentiated Canadaway Group includes Glade, Richburg, Bradford and other well-known oil producing formations

**To see a stratigraphic column of New York's geologic formations
go to <http://www.dec.state.ny.us/website/dmn/southstrat.htm>**

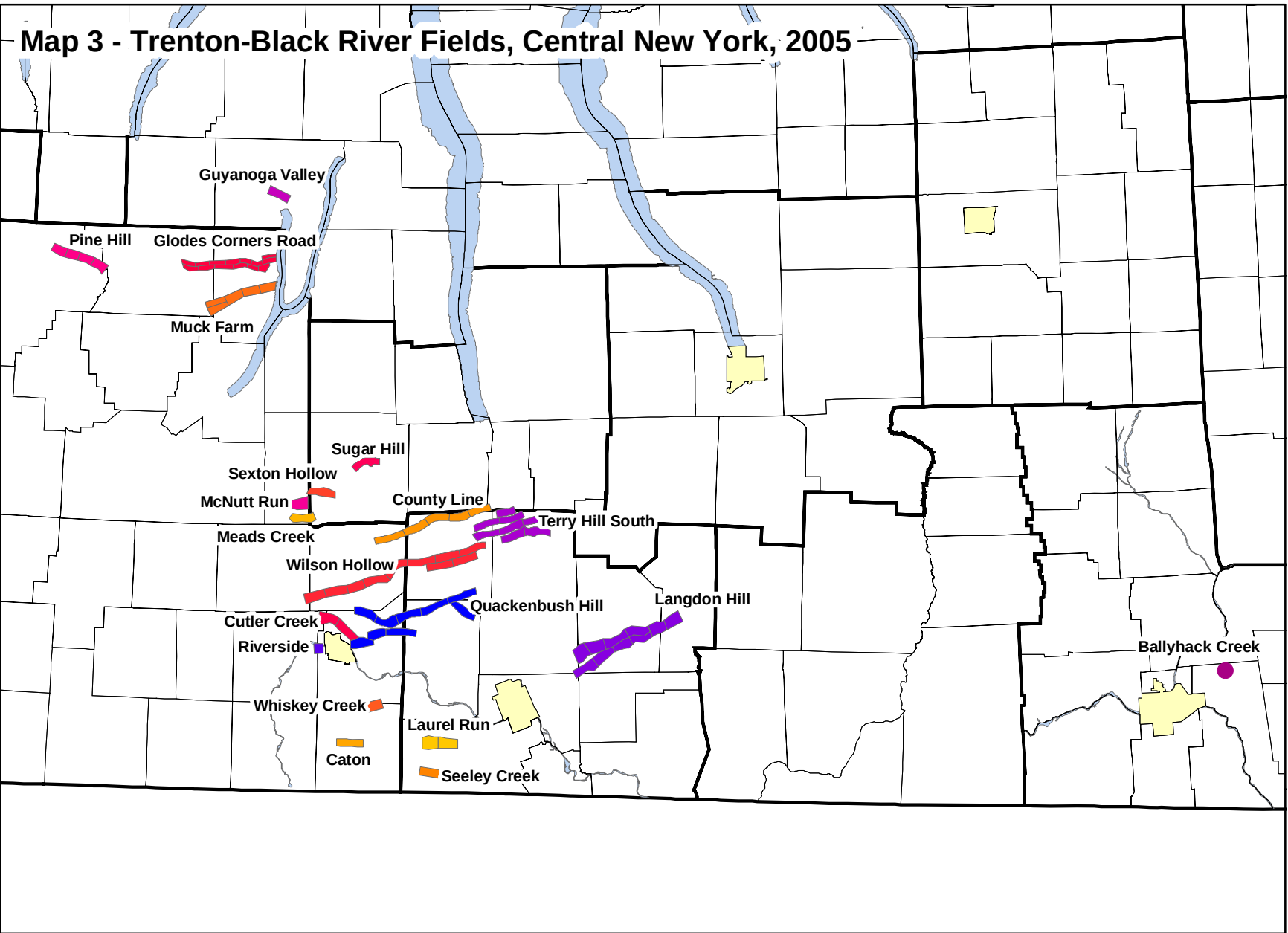


Table 3 - Top Ten Wells Trenton-Black River Production, 2005

Well Name	API Identification Number	2005 Production (bcf)	Cumulative Production Year-End 2005	County/Field
Soderblom 1	31015231340000	6.27	6.32	Chemung/Quakenbush
Reed 1323	31101230550000	4.52	10.99	Steuben/Quakenbush
Curren 1	31015230760000	2.83	3.71	Chemung/Seeley Creek
Lovell 1323	31015228310000	2.63	17.88	Chemung/Quakenbush
Hakes 1	31101230540000	2.33	5.24	Steuben/Quakenbush
Henkel 1359-A	31101228710100	2.23	8.68	Steuben/Quakenbush
Gillis 1	31101231110000	1.74	1.74	Steuben/Rayner
SRA 3-1	31097230720000	1.64	3.76	Schuyler/Meads Creek
Harndon 1	31101230400000	1.54	2.58	Steuben/Whiskey Creek
Andrews 1	31101230380000	1.36	3.86	Steuben/Quakenbush

Table 4 - Top Ten Fields Trenton-Black River Production, 2005

Field Name	2005 Production (bcf)	Number of Wells*	First Year of Production	Cumulative Production Year-End 2005
Quackenbush Hill	21.36	9	2000	64.79
Wilson Hollow	4.18	10	1999	35.19
Seeley Creek	2.83	1	2004	3.70
Langdon Hill	2.30	5	2001	4.41
Rayner	1.74	1	2005	1.74
Meads Creek	1.64	1	2004	2.12
Whiskey Creek	1.54	1	2003	2.58
McNutt Run	1.08	1	2004	1.10
Sexton Hollow	0.93	1	2004	1.39
Cutler Creek	0.92	3	2001	4.48

* Excludes shut-in wells

Drilling Permits and Well Completions

Drilling Permits

DEC issued 435 drilling permits in 2005, a 20-year record. The high price for oil and natural gas spurred the drilling increase seen in New York and the nation as a whole.

In 2005 DEC issued 180 gas, 200 oil, 12 brine, 15 geothermal, 6 storage, 7 stratigraphic and 15 monitoring well permits. While a small part of the total, the 15 geothermal permits represent an all time high for that category.

In 2005 DEC issued permits for wells in 23 counties; the top 3 were Cattaraugus (197), Chautauqua County (104) and Allegany County (21). Most of the oil drilling permits were issued for Cattaraugus (169) and Allegany (21) counties. Chautauqua (99) and Cattaraugus (21) counties had the highest number of gas permits.

Wildcats and Extensions

Operators drilled 28 gas wildcat wells and 17 gas extension wells in 2005. DEC's drilling moratorium resulted in a decrease in the drilling of wildcat and extension wells.

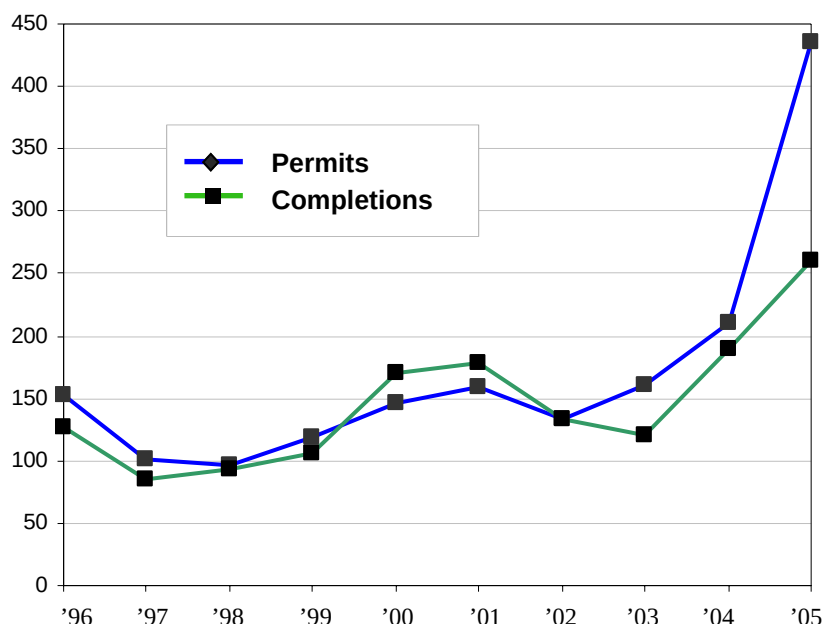
Well Spuds and Completions

The number of wells spud (started) in 2005 rose to 315, a level not seen since 1986. In 2005, 104 gas wells and 95 oil wells were completed with a total number of 261 wells of all types completed.

Formations Permitted

Industry interest in the Ordovician age carbonates of central New York remained strong during 2005 with 25 Trenton-Black River permits issued in 2005.

Chart 3 - Drilling Permits and Completions, 1996 - 2005



Drilling Permits, 2005

Gas	180
Oil	200
Other	55
Total	

Well Completions, 2005

Gas	104
Oil	95
Other	62
Total	261

Compliance and Enforcement

Inspections

In 2005 Oil and Gas staff traveled 114,317 miles to perform 2,577 well site inspections. Staff inspect well sites:

- during permit application review to check environmental and public safety issues;
- during drilling to check on well site construction and drilling permit compliance;
- during the operating phase to check for leaks, spills or other potential problems; and
- to ensure that well plugging and site reclamation comply with requirements.

DEC staff perform follow-up inspections to ensure any violations are properly remediated.

Compliance Enforcement

Violations are handled with a mixture of enforcement tools, remediation requirements and penalties. In 2005 the Oil and Gas Program assessed \$18,250 in fines and penalties plus \$137,500 in environmental benefit project value.

Permit Fees

Total oil and gas permit fees collected by the Division equaled \$510,910 in 2005, of which \$40,900 was deposited in the Oil and Gas Account.

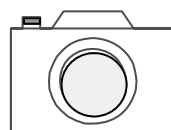
Division Inspectors On the Job



Inspectors check wells during the drilling, operating and plugging stages. Here an inspector checks a recently completed well.



Staff conducted plugging inspections for this abandoned oil well, part of a \$3 million dollar EPA project to plug approximately 70 abandoned wells.



State Land Leasing

At the end of 2005 the Division managed 87 leases covering roughly 64,500 acres of State land, a decrease from 2004's 77,500 acres (11 Allegany and Steuben County leases expired).

Steuben County has the most State acreage under lease due to the high level of drilling activity associated with the Trenton-Black River.

At year-end 2005 the State was earning royalties from 101 productive oil and gas wells physically located on State lands and another 88 producing wells on adjacent and/or unitized lands. These wells were held under 47 leases.

New York collected royalties from these 189 wells which produced 9.64 bcf of natural gas and 2,770 bbl of oil. The average prices paid were \$7.78 per mcf for gas and \$52.75 per barrel of oil.

In 2005 the State received total leasing revenues of \$3.4 million:

- **Delay Rentals** - Operators submitted a total of \$80,534 in delay rentals, down 37% from 2004. The decrease in delay rentals was due to the 11 expired leases and the transition to

royalty payments for several leases awarded in the State's 2003 lease sale.

- **Royalties** - The State received \$3,235,206 in royalty revenue from production of oil and gas on 47 leases in 9 counties (20,855 acres). The 2005 royalty total was five times higher than 2004.

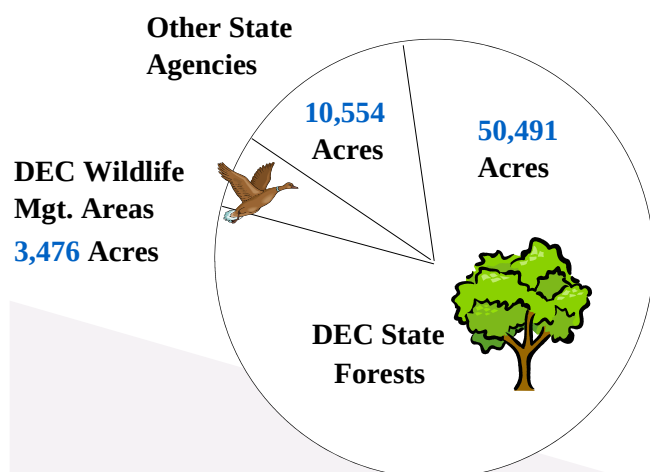
- **Storage Leases** - Fourteen storage leases added \$123,930, up 13% from 2004. The majority of New York's storage lease acreage is in Cattaraugus County.

- **Lease Sale Revenue** - The State received \$1,914 from two non-competitive leases of New York State Department of Transportation acreage in preexisting production units.

Table 5 - Total Leasing Revenues, 1998 - 2005

1998	\$279,523
1999	\$3,206,406
2000	\$181,876
2001	\$379,845
2002	\$249,685
2003	\$5,326,927
2004	\$765,782
2005	\$3,439,670

DEC Managed Oil and Gas Leases



For more information, see the 2005 Oil & Gas Leasing Report at

www.dec.state.ny.us/website/dmn

Orphaned and Abandoned Wells

2005 Status Report

The problem of abandoned wells continues to grow despite record high oil and gas prices. Operators submitted annual well reports which show that 1,029 gas wells and 1,629 oil wells had zero production in 2005. Another 2,117 registered wells were not reported by their owners in 2005 and are assumed to be abandoned. In addition, DEC records show 4,131 wells of unknown status, not including wells for which DEC has no information.

At the end of production a well must be properly plugged and abandoned. The borehole must be plugged with cement, equipment removed, and the land reclaimed.

Environmental Issues

Abandoned wells can leak oil, gas and/or brine; underground leaks may go undiscovered for years. These substances can contaminate ground and surface water, kill vegetation and cause safety and health problems. Historically, abandoned wells have been discovered along roadsides, in residential yards, playgrounds, parking lots, wooded areas, inside buildings and underwater in wetlands, creeks, streams and ponds.

Old Historic Well Problems

DEC has at least partial records on 35,000 wells, but estimates that over 75,000 oil and gas wells have been drilled in the State since the 1820s. Most of the wells date before New York established a regulatory program. Many were never properly plugged or were plugged using older techniques that may not last. Every year DEC staff discover additional abandoned wells while conducting scheduled inspections or investigating complaints. Many of these cases take several years to resolve as DEC pursues legal action against the responsible parties.

New York has an Oil and Gas Account that was created to plug problem and abandoned oil and gas wells. It is funded by a \$100 per well permit fee; at the end of 2005 the balance was \$316,000. DEC has over 600 wells on its priority plugging list, in addition to the abandoned and unreported wells cited above. Since the funds are insufficient to cover the scope of the problem, DEC has been working to find other mechanisms to plug abandoned wells. Division staff worked with the Environmental Protection Agency and Coast Guard on a \$3 million project using federal Oil Pollution Act funds to plug 70 abandoned oil wells in the Town of West Union, Steuben County. In the first phase of the project, 29 wells were plugged in 2005.

Plugging Permits and Bonds

In 2005 operators plugged 150 wells in accordance with a DEC plugging permit. At year-end DEC held \$13.7 million in financial security to guarantee well plugging and reclamation. However, bonds are not required for wells that predate DEC's regulatory program.

Plugged Wells, 2005

Oil	63
Gas	27
Other	55

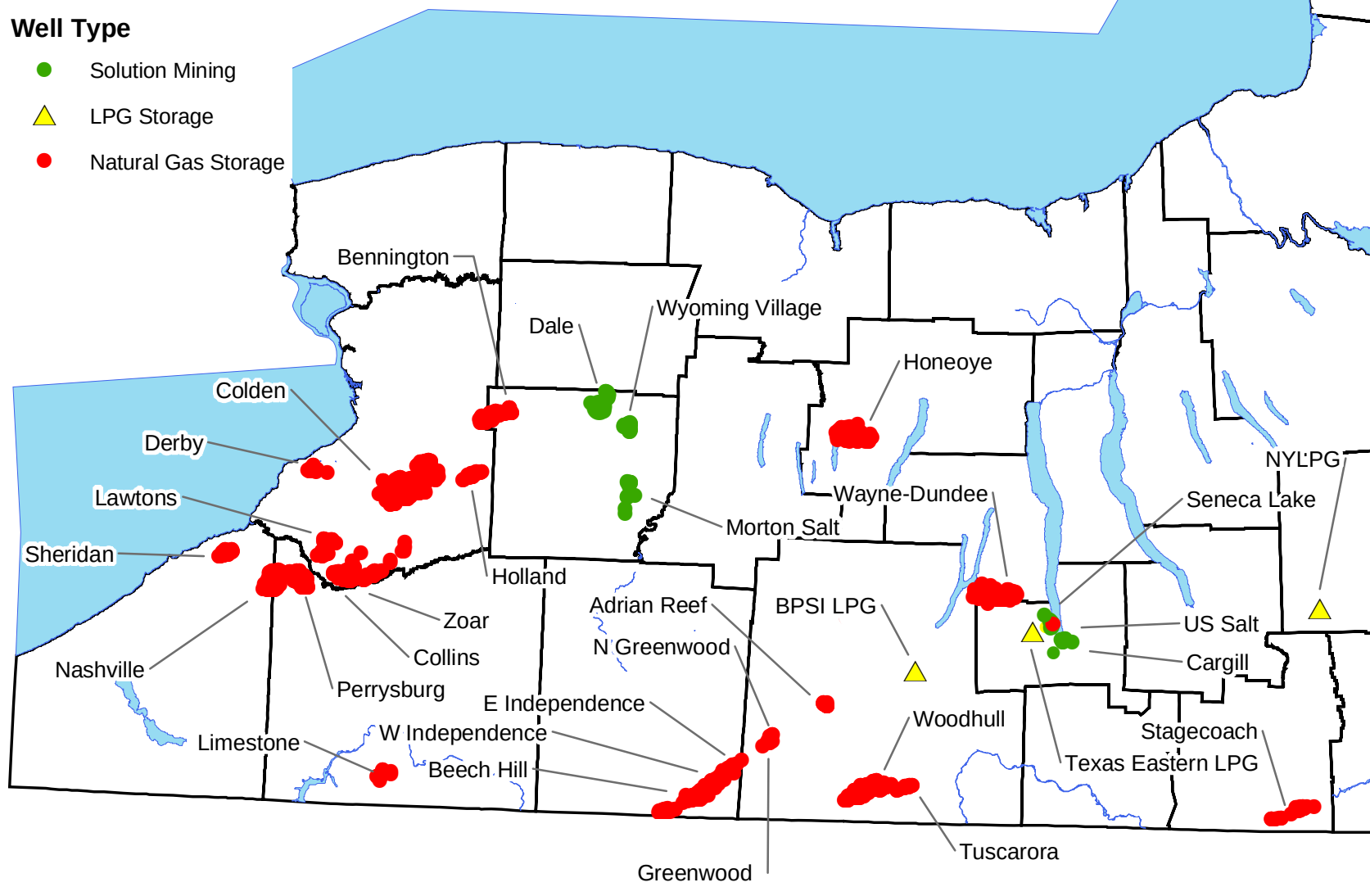
Financial Security, 2005

\$13.7 Million

Map 4 - Underground Gas Storage and Solution Salt Mining Fields, 2005

Well Type

- Solution Mining
- ▲ LPG Storage
- Natural Gas Storage



Underground Gas Storage

Twenty-three natural gas and three liquefied petroleum gas underground storage facilities operated in 10 counties in the western and central parts of New York during 2005.

Natural Gas Storage

The maximum deliverability of gas from New York's underground natural gas storage fields is 1.927 bcf/day. Operators reported that at year-end 2005 the storage fields were 81% full and working gas capacity was 80.26 bcf, a decrease of roughly 24% compared to 2004. The drop was caused by high gas prices and continued gas sales during a period when storage facilities normally replenish stocks. Hurricane Katrina's damage to onshore and offshore infrastructure in the Gulf of Mexico was severe enough to disrupt normal activity for the last five months of the year. According to a New York gas storage operator, gas flowed from the northeast to markets in the south for the first time in recent memory.

Permit Applications

In 2005 Division underground storage staff were engaged in reviewing seven permit applications submitted during 2005 or previous years. The applications included three from National Fuel Gas Supply Corp. (NFGSC) and one apiece from Bath Petroleum Storage Inc. (BPSI), Dominion Transmission, Inc. (DTI), New York LP Gas Storage, Inc. (NYLPG), and Wyckoff Gas Storage Company, LLC (Wyckoff).

In September the Division issued an underground storage permit for DTI's new Quinlan Reef storage field in the Town of Olean, Cattaraugus County. In addition to conducting its own permit review, the Department participated as a cooperating agency in the Federal Energy Regulatory Commission's review of the project.

In July the Department executed an Order on Consent with BPSI to settle longstanding permitting and legal issues. In conjunction with the set-

tlement, BPSI submitted a permit application to modify the storage capacity at its liquefied petroleum gas storage facility.

New York's underground storage industry continued to attract out-of-state interest in 2005 as it did in 2004. In 2004 SemGas LP from Oklahoma purchased the unbuilt Avoca and Wyckoff projects in Steuben County. In 2005 Inergy, LP of Missouri purchased the existing Stagecoach Storage field in Tioga County. The Stagecoach facility remains operating under the name of Central New York Oil & Gas (CNYOG).

Liquefied Petroleum Gas Storage

New York's three liquefied petroleum gas (LPG) underground storage facilities are located in Cortland, Steuben and Schuyler counties. The three facilities, which are owned by BPSI, NYLPG, and TE Products Pipeline Company (TEPPCO), store propane and/or butane in underground caverns for delivery to market by pipeline, rail and/or truck. The three companies reported a total of 37,255,000 gallons of LPG in storage at year-end 2005. This volume represents 24% of the total capacity at the three facilities.

Liquefied petroleum gas is stored in caverns excavated in the shales of the Genesee Group at the TEPPCO facility and in caverns solution mined out of the Salina Group salt formations at BPSI and NYLPG facilities. The Salina Group salt formations are the same formations used by New York's five solution mining facilities.



Well at New York LPG's Underground Storage facility in Cortland County.

Solution Salt, Geothermal and Stratigraphic Wells

While oil and gas wells are the best known part of the Division's regulatory program, there are several other important types of wells subject to permit requirements. Solution mining wells have been drilled into New York's underground salt beds since the 1800s. These wells and their facilities are subject to special drilling, operating and plugging requirements tailored to that industry. The Division also regulates geothermal and stratigraphic wells over 500 feet deep. Geothermal wells play an important role in energy conservation; stratigraphic wells provide essential information on underground rock formations and subsurface conditions.

Solution Salt

New York's five solution salt mining facilities, operated by U.S. Salt, Cargill, Morton, Texas Brine and Occidental Chemical, produced 1.58 billion gallons of brine in 2005, a decrease of 29% from 2004. These solution mining facilities are located in Wyoming County (3) and Schuyler County (2).

In 2005 solution mining operators submitted 12 drilling permit applications, compared to just 2 applications in 2004. Eleven solution mining wells were plugged in 2005.

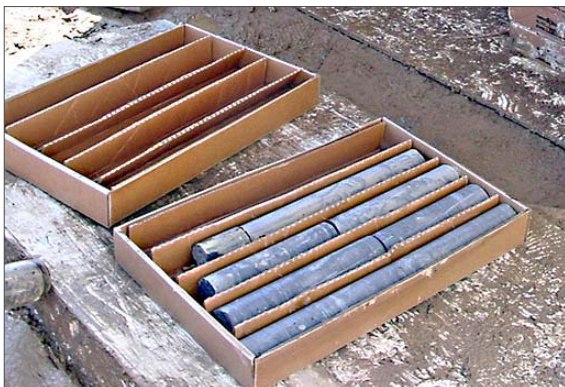
The value of New York's solution salt mining production is estimated at over \$100 million. For years New York has ranked third nationally in total volume of salt production (combined brine and rock salt). However, within New York State salt moved from third to second in economic importance for non-fuel minerals in 2004.

Geothermal

The high price of our main energy sources, gas and oil, is resulting in significant private sector investment in geothermal (heat exchange) wells. In 2005, 24 geothermal well drilling applications were submitted, which is three times the number of geothermal permit applications in 2004. In 2005 the Division issued 15 geothermal well permits for New York City and in Westchester and Essex Counties. Two geothermal wells were plugged in 2005.

Stratigraphic

In 2005 DEC received 13 stratigraphic well permit applications associated with the New York City water tunnel project. The Division issued 7 stratigraphic well drilling permits in 2005. In comparison operators submitted only 2 drilling applications in 2004. Twenty-two stratigraphic wells were plugged in 2005.



This is a core from a stratigraphic well. Operators drill stratigraphic wells to:

- gather information for construction or research projects
- evaluate underground rock formations for oil, gas, gas storage, solution mining or brine disposal
- investigate subsurface conditions in problem areas.

2005 New York Mined Reclamation Program At a Glance

Active Mines
2,249

Approx. Value
\$1.1 Billion

U.S. Quantity Rank

Wollastonite	1st
Garnet	1st
Salt	3rd
Talc	4th

Affected & Reclaimed Land

Net Affected Acreage	48,859
Life-of-Mine Acreage	112,658
Reclaimed, 2005	1,331
Reclaimed Since 1975	24,450

Common Mine Types

Sand & Gravel	1,869
Limestone (dolostone)	98
Bluestone	59
Sandstone	23

Owner Type

Industry	1,759
Government	490
- Local Govt.	474
- State Govt.	16

Financial Security

For Reclamation
\$107,514,079

Annual Regulatory Fees
\$2,821,800

Regulated Vs. Unregulated Mines

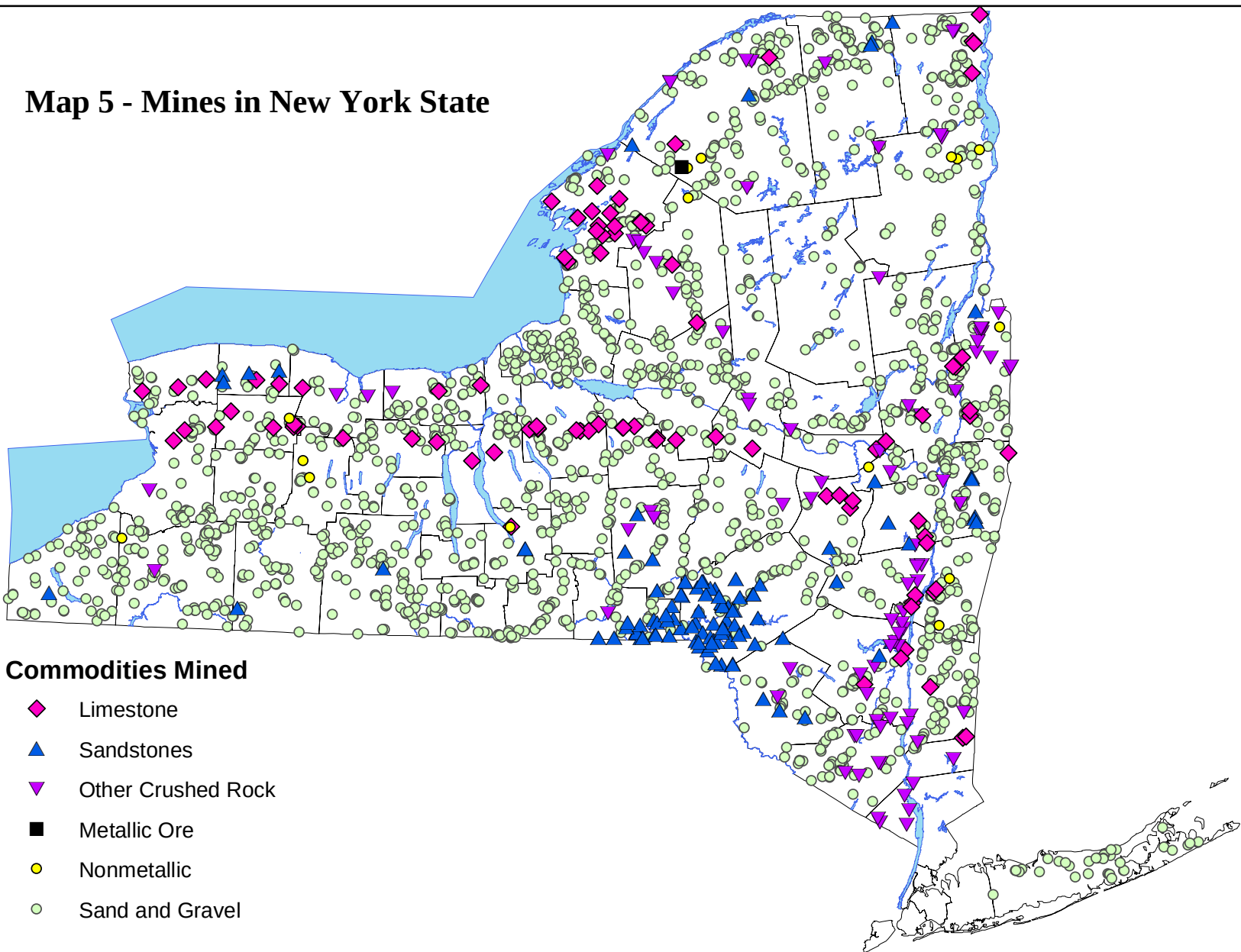
DEC's statistics in this Annual Report cover only mines regulated under the Mined Land Reclamation Law as described at the right. New York also has many unregulated mines (active & abandoned) that fall outside the law's jurisdiction. Most of these are small mines and/or mines that predate the 1975 law.

Mines need a permit under the Mined Land Reclamation Law if they remove:

- ♦ More than 1,000 tons or 750 cubic yards of minerals in 12 consecutive months.
- ♦ More than 100 cubic yards of minerals in or adjacent to any waterbody not classified as "protected" by ECL Article 15.

Lands affected by mining before 1975 and not re-affected by later mining are exempt from the Mined Land Reclamation Law.

Map 5 - Mines in New York State



Mined Land Program Overview

Types of Mines in New York

In 2005 New York had 2,249 active mines. The vast majority of these mines produce sand and gravel or other surficial deposits such as glacial till, clay or topsoil. However, New York has roughly 250 hardrock mines that produce materials ranging from limestone, shale and salt, to less common products such as wollastonite and talc. Most of the State's hardrock mines are surface quarries, but there are also a few active underground mines.

Permits Issued 2005

In 2005 staff issued 66 permits for new mines and 345 renewals or modifications, for a total of 411 permits (see Table 6). Table 7 shows the top types of new mines permitted.

Mining permits are issued for a term of five years or less and must be renewed. A renewal permit simply authorizes continued operation of the mine.

A modification permit allows changes such as expansion of the mine's surface area, mining deeper, or addition of processing equipment. Permit modifications always involve extra review and frequently require an environmental impact statement and public hearing.

Table 6 - Permits 2001 to 2005					
	2001	2002	2003	2004	2005
New Permits	71	56	51	55	66
Renewals & Modifications	307	367	538	420	345
Total Permits	378	423	589	475	411

Geographic Distribution of Mines

Map 5 on page 24 shows that mines can be found statewide; in 2005 there were active mines in 56 of New York's 62 counties. However, the map does not convey the relatively small percentage of the State's land surface devoted to mining.

The wide variation in county size means comparisons of the acreage under permit in each county can be misleading. For example, St. Lawrence, the State's largest county at 1,718,848 square acres, is 15 times larger than Rockland County. While St. Lawrence County had a relatively high total of 2,097 net affected acres under mining permit in 2005, that represented just 0.12% of the County's land area.

Therefore, Table 8 ranks counties by the percent of their land surface under permit. This table shows that mining activity is concentrated near heavily populated areas which require larger quantities of mineral resources for roads and buildings. In 2005 just 7 counties had more than 0.30% of their land surface under a mining permit (Albany, Dutchess, Genesee, Onondaga, Ontario, Rensselaer, Rockland) with a range of 0.36 to 0.44%. For most of the counties with active mines, less than 0.25% of their land is covered by mining permits.

**Table 7 - Commodity Type
New Mines Permitted, 2005**

Sand & Gravel	53
Shale	6
Bluestone	4
Granite	1
Limestone	1
Slate	1

Owner Type

In 2005 industry operators owned 1,759 mines or roughly three-fourths of the mines in New York State. Most of the government mines belong to highway departments that use the material for road maintenance.

In 2005 there were 56 county-owned mines and 418 belonging to towns, villages and other small local government entities.

In addition to owning roughly one quarter of the mines in New York State, government agencies at all levels purchase significant quantities of

sand, gravel and other aggregates from commercial mines.

Annual Regulatory Fees

In 2005 the Division collected \$2,604,850 in annual regulatory fees. Acreage-based fees are collected for individual, industry and state-owned mines. County, town, village and other local government mines are exempt. The fees support the mined land regulatory program. Database enhancements now allow staff to more closely monitor payment histories, review compliance and conduct fee enforcement.

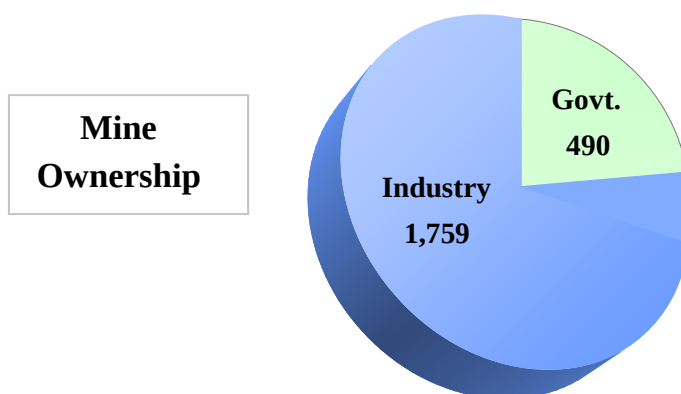


Table 8 - Counties with Highest Percentage of Land Under Mining Permit, 2005

County	Population Ctr. Nearby	Active Mines	Net Affected Acreage	Land Percent
Rockland	New York City	4	493	0.44%
Onondaga	Syracuse	44	2,022	0.41%
Genesee	Buffalo	25	1,260	0.40%
Dutchess	New York City	60	1,944	0.38%
Ontario	Rochester	43	1,583	0.38%
Rensselaer	Capital/ Tri-City	57	1,569	0.37%
Albany	Capital/ Tri-City	18	1,213	0.36%

Table 9 - Number of Permits and Acreage by County

<u>County</u>	2005 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres²</u>	<u>Number</u>	<u>Acres²</u>
Albany	0	0	18	1213
Allegany	3	14	51	503
Broome	2	8	42	791
Cattaraugus	1	3	73	1820
Cayuga	1	12	29	394
Chautauqua	0	0	57	443
Chemung	0	0	28	490
Chenango	2	16	44	712
Clinton	2	8	60	842
Columbia	0	0	38	1010
Cortland	0	0	20	378
Delaware	4	27	84	803
Dutchess	0	0	60	1944
Erie	0	0	52	1948

¹ Includes new, renewal and modified permits

² Net affected acreage

<u>County</u>	2005 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres²</u>	<u>Number</u>	<u>Acres²</u>
Essex	0	0	45	653
Franklin	1	10	71	632
Fulton	1	6	27	323
Genesee	0	0	25	1260
Greene	0	0	23	1005
Hamilton	1	4	22	122
Herkimer	1	15	53	1227
Jefferson	2	36	89	1744
Lewis	8	44	53	560
Livingston	0	0	26	1163
Madison	2	96	25	452
Monroe	0	0	14	793
Montgomery	0	0	9	535
Niagara	0	0	19	717

Table 9 - Number of Permits and Acreage by County, (continued)

<u>County</u>	2005 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres</u> ²	<u>Number</u>	<u>Acres</u> ²
Oneida	1	31	65	1260
Onondaga	0	0	44	2022
Ontario	0	0	43	1583
Orange	0	0	50	827
Orleans	0	0	20	630
Oswego	4	36	109	1581
Otsego	3	17	36	505
Putnam	0	0	4	70
Rensselaer	2	11	57	1569
Rockland	0	0	4	493
Saratoga	2	19	66	1414
Schenectady	0	0	8	222
Schoharie	2	12	19	480
Schuyler	0	0	11	266

<u>County</u>	2005 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres</u> ²	<u>Number</u>	<u>Acres</u> ²
Seneca	0	0	6	365
St. Lawrence	5	27	117	2097
Steuben	3	84	82	1883
Suffolk	2	14	39	1127
Sullivan	1	12	30	955
Tioga	4	35	39	932
Tompkins	0	0	15	519
Ulster	2	14	49	691
Warren	1	1	36	551
Washington	3	45	53	764
Wayne	0	0	47	1062
Westchester	0	0	1	4
Wyoming	0	0	26	181
Yates	0	0	13	185

1 Includes new, renewal and modified permits

2 Net affected acreage

Trends in Mine Size and Number

Mine renewal and modification permits issued in 2005 ranged in size from 1 to 939 acres. In contrast, roughly 75 percent of new mines permitted in 2005 were 10 acres or less in size. The largest new mine was the 78-acre Smith Gravel mine in Steuben County belonging to Dalrymple Gravel and Contracting Company, Inc.

Table 10 gives 2000-2005 size range information for all active mines based on net affected acreage. The table shows that the number of large mines has been increasing over time while the number of small mines has been decreasing.

The minor projects in the first row of the table are always less than five acres in size. They are subject to a simpler review process, but must comply with very strict criteria: minimum setbacks from homes and surface waters; a maximum 20-foot mine depth; no mining below water table; no hardrock (consolidated material) mining; and no on-site processing equipment, such as washing or crushing machines.

Mine Acreage Types and Statistics

Net Affected Acreage - Net affected acreage is the total affected acreage ever covered under a mined land permit minus the acreage reclaimed over the years. In 2005 the total affected land that mine operators were authorized to extract minerals from under their current permits was 48,859 acres.

Life-of-Mine Acreage - Operators must indicate the total area that they expect to mine under past, current and future permits for a site. In 2005 this total life-of-mine area, which also includes past reclaimed acreage, was 112,658 acres.

Reclaimed Acres - In 2005 Mined Land staff approved final reclamation of 803 acres at 91 closed mines and concurrent reclamation of 528 acres at 52 operating mines. Table 11 on page 32 summarizes 2005 reclamation by County. Since 1975 a total of 24,450 acres of mined land have been reclaimed. This was an increase of 1,331 acres over the previous year.

Table 10 - Range of Existing Mine Sizes, 2000-2005*

	<u>2000</u>	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>
Minor Projects	85	87	82	80	78	81
0-5 Acres	901	852	814	751	712	683
6-10 Acres	603	605	584	549	532	531
11-20 Acres	436	441	449	446	442	439
21-30 Acres	155	166	178	172	179	179
>30 Acres	295	308	310	319	329	336
Total Mines	2,475	2,459	2,417	2,317	2,272	2,249

* Net Affected Acres

Reclamation and Financial Security

Reclaimed Land Uses

Final uses of mined land can vary considerably depending on location, size and depth of the site, surrounding land uses and local zoning. Farmland and pasture are two of the most common reclamation objectives in New York State, but mined land is also reclaimed to residential, forestry, wildlife, recreational, commercial and industrial uses.

Reclamation takes two forms based on timing of the work - concurrent or final. Concurrent reclamation is reclamation of an affected or mined-out area while resources are still being extracted from other parts of the mine site.

The Division of Mineral Resources strongly promotes concurrent reclamation, particularly for mines over 10 acres. Concurrent reclamation is almost always economically feasible and has a number of advantages. Chief among these are the reduced potential for negative environmental impacts (dust, erosion, sedimentation) and the improved standing of the mine in the eyes of the surrounding community.

Financial Security

At the end of 2005 the Division held \$107.5 million in financial security posted by mine operators to guarantee the reclamation of mined land. This was an increase of \$8.5 million from 2004.

If an operator fails to reclaim a mine, DEC claims the financial security and uses it to reclaim the land. However, recent reclamation experiences show that posted bond amounts have not kept pace with rising costs over the years. The Division started a detailed analysis of financial security on file in 2004 and found the average \$2,334 per acre was insufficient to cover complete reclamation in most cases. The law authorizes DEC to increase financial security requirements if necessary.

DEC Mine Reclamation

In 2005 the Divisions of Mineral Resources and Operations worked on reclaiming two mines with seized financial security. The mines were in Chautauqua and Chenango counties. The Chautauqua County 5-acre site had been abandoned in 2004. The 26-acre Chenango County site was the largest mine reclamation project undertaken to date by the Department.

2005 NYS Mined Land Reclamation Award

A mine in the Town of Dix, Schuyler County called It's Greener Now won the 2005 New York State Mined Land Reclamation Award. The company voluntarily reclaimed 60 acres mined by someone else across the road from their Padua Ridge sand and gravel facility.

The graded and revegetated mine now supports a herd of 32 elk. The elk farm will eventually be open to the public and its close proximity to Watkins Glen State Park should help make it a popular tourist destination.



The attractive entrance to the elk farm is just a small part of this award winning reclamation effort.

2005 Reclamation Highlights

New Revegetation Manual

The Division released a Revegetation Procedures Manual in 2005 (posted at <http://www.dec.state.ny.us/website/dmn/mines/revegindex.html>).

This 91-page guide will help mine operators tailor planting decisions to the specific features of their site and the final intended use of the reclaimed land. This publication reflects the combined experience of Mined Land staff state-wide plus information from the U.S. Department of Agriculture (USDA) Plants database, various Cornell University web sites (Forages, Horticulture, Entomology), the New York State Museum, the U.S. Forest Service, the USDA Natural Resource Conservation Service and roughly 40 additional academic and web sources.

The manual discusses how to minimize the adverse impacts of mining on important soil properties that affect revegetation success.

The appendices give information on the growth rate, lifespan, uses (reclamation, wildlife, livestock) and growth requirements of the recommended plants. There are also warnings about common pitfalls that hinder reclamation and invasive species that should be avoided.

Other Notable Reclamation

Lafarge's Freedom Butterfly Project at its mine in Cattaraugus County won the company's 2005 Environmental Excellence Award. The Region 9 mine topped the competition from other mines in Lafarge's North American Division which covers over 1,000 facilities in 32 states, Canada and Mexico. The project also won a national award from the Wildlife Habitat Council for its protection of butterfly and other pollinator species.

Country Side Sand & Gravel dedicated a new public fishing site on a reclaimed portion of its mine in Cattaraugus County. The company held a picnic and an all-day fishing event on the 400 acres of excavated lakes at the mine.



New York State Department of Environmental Conservation
Division of Mineral Resources

New York State Revegetation Procedures Manual

Surface Mining Reclamation



August 2005

George E. Pataki
Governor

Denise M. Sheehan
Acting Commissioner

The manual is aimed at mine operators, but will also be useful to other landowners, land-use planners and consultants who want to restore disturbed land.



Fisherman enjoying Country Side's public fishing site.

Table 11 - Reclamation Acreage Summary, 2005*

County	Concurrent	Final	Total
Albany	-	5.0	5.0
Allegany	-	110.1	110.1
Broome	49.0	6.0	55.0
Cattaraugus	-	11.0	11.0
Cayuga	-	12.0	12.0
Chautauqua	-	23.0	23.0
Chemung	55.5	4.9	60.4
Chenango	4.0	15.0	19.0
Clinton	2.0	19.0	21.0
Columbia	-	6.0	6.0
Cortland	25.3	1.0	26.3
Delaware	2.0	-	2.0
Dutchess	19.5	20.0	39.5
Erie	3.5	-	3.5
Essex	-	27.9	27.9
Franklin	7.0	-	7.0
Fulton	6.5	5.0	11.5
Genessee	-	24.5	24.5
Herkimer	2.0	9.0	11.0
Jefferson	8.9	1.0	9.9
Lewis	-	26.6	26.6
Livingston	39.7	-	39.7
Madison	-	10.0	10.0
Monroe	59.5	-	59.5

County	Concurrent	Final	Total
Montgomery	-	26.0	26.0
Niagara	-	134.0	134.0
Oneida	4.8	-	4.8
Onondaga	-	1.0	1.0
Ontario	64.7	41.0	105.7
Orange	16.5	38.0	54.5
Orleans	4.0	0.0	4.0
Oswego	18.0	5.0	23.0
Putnam	6.9	-	6.9
Rensselaer	2.0	-	2.0
Saratoga	10.1	23.5	33.6
Schuyler	-	7.3	7.3
St. Lawrence	6.7	29.1	35.8
Steuben	38.0	-	38.0
Suffolk	54.0	71.0	125.0
Sullivan	-	18.5	18.5
Tioga	-	12.0	12.0
Tompkins	-	-	4.0
Ulster	5.0	8.0	13.0
Warren	-	14.0	14.0
Washington	9.0	26.0	35.0
Wayne	3.5	-	3.5
Wyoming	-	7.4	7.4
Statewide	527.6	802.8	1,330.4

* Figures rounded so totals may not be exact

Compliance and Enforcement

Inspections

In 2005 Mined Land staff performed 1,982 mine inspections and traveled 210,279 miles. Staff inspect mine sites:

- during permit application review,
- during the operating phase for general compliance,
- to ensure that violations are remediated as required,
- to ensure that reclamation complies with requirements, and
- to investigate complaints.

Violations and Fines

Violations are handled with a mixture of enforcement tools, remediation requirements and penalties. In 2005 the Mined Land Program collected \$116,825 in fines and penalties.

At right is an example of severe erosion and slumping caused by a mine operator's failure to install adequate erosion control measures. As required by the Department, the operator restored and revegetated the area.

Remediation After Violation



Before



After



**For More Information on the
Mined Land Reclamation Program
See the FLASH presentation at**

<http://www.dec.state.ny.us/website/dmn>



New York State 2005 Mineral Fact Sheets

**New York State
Department of Environmental Conservation
Division of Mineral Resources
625 Broadway
Albany, New York 12233-6500**

www.dec.state.ny.us



George E. Pataki, Governor

Denise M. Sheehan, Commissioner

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**Remember if it Can't be Grown
It has to be Mined !**

Products of New York Mines

New York State law does not require mine operators to report how much their facilities produce. However, every year the U.S. Geological Survey (USGS) collects information on a voluntary basis for over 100 mined commodities nationwide. Selected USGS information on state rank, production quantity and production values for New York products are included on the following pages for 2004 (2005 not yet available). These figures should be regarded as minimums since the surveys are incomplete and USGS regularly revises statistics as more information becomes available. However, the statistics are still useful for showing rough levels of production and year-to-year trends.

In 2004 New York retained its recently achieved first place rank for industrial garnet production as well as its long-standing position as the only wollastonite producing state in the country. New York likewise remained fourth in talc production, but dropped to eleventh place nationwide in cement production.

As far as economic importance within the State, in 2004 crushed stone remained New York's leading non-fuel mineral, and salt move up to second place, followed by cement (portland and masonry), construction sand and gravel, and wollastonite. These five commodities typically account for 98% of the State's nonfuel mineral value which USGS ranked at \$1.11 billion in 2004.



In world production*, the State of New York ranks 3rd in wollastonite, behind countries China and India.



In U.S. production*, New York ranks:

- 1st in wollastonite and garnet,
- 3rd in salt, and
- 4th in talc.



New Yorkers use 50 pounds of minerals per person per day.

* Production rank based on volume



Sand and gravel mines are New York's most common type of mine with 1,869 active mines spread across the State. Suffolk, Dutchess and Rensselaer Counties are New York's leading producers of sand and gravel due to their proximity to large markets and the occurrence of high quality glacial deposits. Sand and gravel is New York's fourth most economically important nonfuel mineral

In 2004 New York's production of construction grade sand and gravel increased roughly 10% to 33,100,000 metric tons. The value rose slightly to \$189 million, an increase of 10% from the previous year. The vast majority of this material was used for road and building construction and maintenance. Figures for 2005 are not yet available from USGS.

Table 1 - Sand and Gravel Mines Over 125 Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Callanan Industries	Rensselaer	North Greenbush	412
Country Side Sand & Gravel,	Cattaraugus	Dayton	375
Hanson Aggregates NY, Inc.	Oswego	Sandy Creek	273
Hanson Aggregates NY, Inc.	Livingston	Caledonia	200
Frey Concrete, Inc.	Genesee	Alexander	188
Hanson Aggregates NY, Inc.	Herkimer	Warren	186
Barney & Dickenson, Inc.	Broome	Vestal	184
Valley Sand & Gravel, Inc.	Livingston	Caledonia	175
Champion Sand & Gravel, Inc.	Jefferson	Champion	170
Coram Materials, Corp.	Suffolk	Brookhaven	160
Hanson Aggregates NY, Inc.	Herkimer	Russia	160
F S Lopke Contracting, Inc.	Tioga	Tioga	158
Knight Settlement S & G, LLC	Steuben	Bath	156
Lafarge North America, Inc.	Cattaraugus	Freedom	149
Hanson Aggregates NY, Inc.	Ontario	Phelps	149
Gernatt Asphalt Products, Inc.	Erie	Sardinia	148

Table 1 - Sand and Gravel Mines Over 125 Permitted Acres, 2005 (Continued)

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Buffalo Crushed Stone	Cattaraugus	Farmersville	146
JML Quarries, Inc.	Sullivan	Mamakating	136
Graymont Materials NY, Inc.	Clinton	Schuyler Falls	135
Hanson Aggregates NY, Inc.	Steuben	Bath	134
Troy Sand & Gravel Co. Inc.	Rensselaer	Sand Lake	128
Hanson Aggregates NY, Inc.	Ontario	Victor	127

Table 2 - Largest Sand and Gravel Mine Operators, Total Permitted Acres, 2005

<u>Company</u>	<u>Counties</u>	<u>Acres</u>
Hanson Aggregates NY, Inc.	Cattaraugus, Chemung, Herkimer, Livingston, Monroe, Montgomery, Oneida, Ontario, Oswego, Steuben, Schuyler, Wayne	1,846
Lafarge North America, Inc.	Cattaraugus, Erie, Genesee, Wyoming	588
Buffalo Crushed Stone, Inc.	Allegeny, Cattaraugus, Genesee	556
Callanan Industries, Inc.	Albany, Rensselaer	541
Graymont Materials NY, Inc.	Clinton, Essex, Franklin, Hamilton, St. Lawrence	497
Gernatt Asphalt Products, Inc.	Erie, Cattaraugus, Chautauqua	487
Dalrymple Gravel & Contracting	Steuben, Chemung	466
F S Lopke Contracting, Inc.	Tioga, Broome	465
Cranesville Aggregate Co., Inc.	Columbia, Fulton, Jefferson, Saratoga, Schenectady	412
Country Side S & G, Inc.	Cattaraugus, Chautauqua	399
Elam Sand & Gravel Corp.	Livingston, Ontario, Steuben, Wayne	302

New York Limestone & Dolostone

Limestone and dolostone make up the second biggest category of New York mines with 98 scattered across the State. These mines produce roughly 90% of the stone sold in New York State. They collectively encompass 11,796 permitted acres with nearly half of that acreage in the DEC Region 4 (Mid-Hudson) and DEC Region 8 (west-central New York) areas.

New York's most important products from these mines are crushed stone and cement which are used predominantly in building and road construction and maintenance. Based on value, crushed stone is usually New York's leading nonfuel mineral, followed by cement.

The most recently available USGS figures show New York typically produces over 50 million metric tons of stone worth roughly \$350 million. While limestone and dolostone represent the vast majority of the State's crushed stone production, New York also produces crushed granite, marble, traprock, sandstone and quartzite.

Previous USGS figures show that New York typically produces around 3 million metric tons of cement worth over \$225 million. Cement production is concentrated in the upper Hudson Valley area where a relatively pure limestone is quarried from the Coeymans formation.

Table 3 - Limestone and Dolostone Mines Over 250 Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Hanson Aggregates NY, Inc.	Onondaga	Dewitt	839
Lafarge N. American Cement	Albany	Coeymans	759
Tilcon NY, Inc.	Dutchess	Poughkeepsie	682
Buffalo Crushed Stone, Inc.	Erie	Lancaster	600
St. Lawrence Cement Co.	Greene	Catskill	318
Hanson Aggregates NY, Inc.	Livingston	Lima	289
St. Lawrence Cement Co.	Columbia	Greenport	281
Hanson Aggregates NY, Inc.	Onondaga	Skaneateles	270
Glens Falls Lehigh Cement Co.	Greene	Catskill	267
Buffalo Crushed Stone, Inc.	Genesee	Alabama	264
Hanson Aggregates NY, Inc.	Oneida	Marshall	264
Hanson Aggregates NY, Inc.	Jefferson	Pamelia	263

Table 4 - Largest Limestone & Dolostone Mine Operators, Total Acres*, 2005

<u>Company</u>	<u>Counties</u>	<u>Acres</u>
Hanson Aggregates NY, Inc.	Genesee, Herkimer, Jefferson, Livingston, Oneida, Onondaga, Ontario, St. Lawrence, Orleans, Cayuga, Montgomery, Wayne	3,322
Buffalo Crushed Stone, Inc.	Erie, Genesee	1,006
Tilcon NY, Inc.	Dutchess, Rockland, Ulster	838
Callanan Industries, Inc.**	Monroe, Montgomery, Madison, Ulster	807
Lafarge N. American Cement	Albany	759
Dolomite Products Co., Inc.	Genesee, Monroe, Ontario, Wayne	705
St. Lawrence Cement***	Columbia, Greene	599
Barrett Paving Materials, Inc.	Herkimer, Jefferson, Onedia, St. Lawrence	546
Redland Quarries NY, Inc.	Niagara	489
Glens Falls Lehigh Cement Co.	Greene, Saratoga	416
Cobleskill Stone Products, Inc.	Schoharie	300

* Acres Under Permit

** Includes Callanan dba Iroquois Rock Products

*** Includes St Lawrence Cement, LLC and Co.



The Jamesville Quarry is a very large quarry in Onondaga County. When it opened in 1878, the rock was mined by hand and loaded into horse-drawn wagons. By 1909 the new owner, Allied Chemical, was extracting raw materials using steam or electric shovels; the material was loaded onto railroad cars. Nowadays, Hanson's modern mining equipment at the quarry can produce stone at a rate up to 1,700 tons per hour.

New York Garnet

Since 2003 New York State has ranked first in industrial garnet-production in the United States. Since there are just a few companies that account for all U.S. industrial garnet production, USGS does not publish detailed production statistics for New York State. However, generally speaking, Barton Mines in Warren County is the largest U.S. garnet producer. NYCO Minerals probably ranks third in the country; the company produces accessory garnet with their main product, wollastonite.

Table 5 - New York Garnet Mine, Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Barton Mines Co., LLC	Warren	Johnsburg	107

Barton currently extracts garnet from its Ruby Mountain mine in the Town of Johnsburg. However the company's nearby Gore Mountain mine, which opened in 1878 and ran until 1983, was the largest garnet mine in the world during its operation. Garnets from the company's current Ruby Mountain site make especially high-quality abrasives. Most New York garnet is used for sandpaper. Garnet is also used in grinding and polishing glass and metal, sandblasting, water filtration and waterjet stone cutting. Garnet is a well-known gemstone, but most New York garnets have too many internal imperfections to be used in jewelry.



Garnet boulder on display at the New York State Fair in Syracuse. The boulder was donated by the Barton Garnet Mine.

New York Wollastonite

New York is the only commercial producer of wollastonite in the country and the State's four mines, located in the Adirondacks, account for all U.S. production. Since only a relatively small quantity of wollastonite is imported into the U.S, this means New York supplies almost all of the wollastonite used in the country. On a global scale, New York is the third largest producer, accounting for about 25% of world output. A significant portion of New York's wollastonite output is specially milled and/or surface treated to achieve specific industrial properties.

To protect proprietary data, the USGS does not publish detailed quantity and value statistics for NY wollastonite. However, USGS routinely quotes industry experts who estimate that the country's, and therefore New York's, production ranges between 115,000 to 127,000 tons per year. Within the State, wollastonite usually ranks as New York's fifth most valuable nonfuel mineral.

One of wollastonite's most unusual characteristics is its ability to cleave into needle-like (acicular) crystals. These fibrous particles make it useful both as an asbestos replacement and as reinforcement material in products ranging from plastics, ceramics and brake pads to paint, coatings and sealants. As shown below, plastics are the major use of wollastonite in the U.S.

**U.S. End-Uses of
Wollastonite
2005**

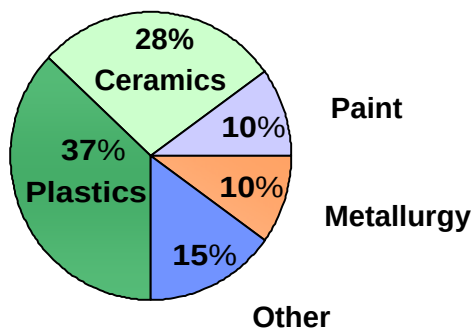


Table 6 - New York Wollastonite Mines, Permitted Acres, 2005

<u>Company & Mine</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
NYCO/ Oak Hill Mine	Essex	Lewis	127
NYCO/ Lewis Mine	Essex	Lewis	90
Gouverneur Talc/ No. 4 Mine	Lewis	Diana	49
NYCO/ Willsboro Mine	Essex	Willsboro	4

New York Salt

More than 10,000 square miles of central and western New York are underlain by the Salina formation which contains roughly 3.9 trillion metric tons of rock salt. This large salt resource has been very important throughout the State's history. Once again in 2004 New York was the third largest salt producer in the country. There are currently two active rock salt mines in New York State, Cargill's Cayuga Mine centered around Cayuga Lake in Tompkins and Seneca counties and American Rock Salt's Hampton Corners Mine in Livingston County. Salt is also produced from five solution mining facilities in Schuyler and Wyoming counties.

For 2004 the U.S. Geological Survey estimated New York's combined salt output from underground mines and solution salt mining wells at roughly 6.4 million metric tons worth \$301 million. New York's estimated brine production figures for 2004 subtracted from the total leave an estimated rock salt production of roughly 3.75 million metric tons. New York ranked third nationally in salt production from 2000 to 2004. Within the State, salt typically ranks third in the value of New York's non-fuel mineral commodities.

The Cargill Lansing mine, near Ithaca, is the larger of the State's two salt mines. It is also the deepest underground salt mine in the western hemisphere. The much smaller American Rock Salt mine in Livingston County began production in December 2000 to replace the abandoned AKZO Retsof mine near Geneseo. When the Retsof mine was in operation, it was one of the largest underground salt mine in the world.



Road salt is crucial
to winter travel.

Salt has been mined in the area of Cayuga Lake since at least 1915, but Cargill did not take over the mine until the 1970s. The company extracts salt from a depth of roughly 2,000 feet under portions of the lake and surrounding lands. Cargill leases the underwater land from the NY State Office of General Services and pays a basic royalty of 2% per ton of the market unit-value of the marketable rock salt with adjustments for production in excess of 1,500,000 tons. Virtually all the salt from this particular mine is sold as road deicing salt. However, salt also has a broad array of uses in food and chemical products.



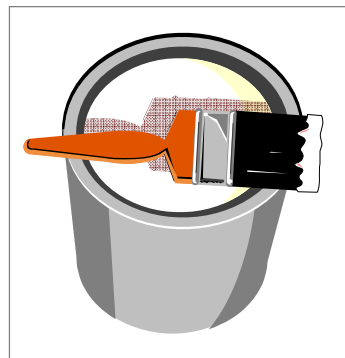
Worker installing roof bolts at Cargill's Lansing Mine. Photograph by Simon A. Wheeler, Elmira Star Gazette 2002, copyright 2004.

Table 7 - New York Underground Salt Mines, Permitted Acres, 2005

<u>Company</u>	<u>Counties</u>	<u>Acres</u>
American Rock Salt, Inc.	Livingston	672
Cargill, Inc.	Seneca, Tompkins	9,260

New York Talc

New York typically ranks fourth in the country in talc production. Since there are so few talc producing companies in the country, the USGS does not publish detailed production information. Gouverneur Talc is New York's only talc producing company, and their overall land holdings cover roughly 2,000 acres in the northwest Adirondacks. While the company has more than one mine with a current permit, most of its production is from its #1 Mine, an open pit facility also known as the Arnold Mine. Since most talc in the U.S. is sold only after crushing and grinding, Gouverneur Talc has an active milling operation at Balmat.



Industrial talc is a mixture of talc, tremolite, anthophyllite, serpentine and dolomite. Because of the presence of these minerals, New York's industrial talc is fibrous with long, thin white needle-like crystals. Talc is used as a paint extender, a carrier for insecticide dust and in many other products where a white powdery mineral is needed. It is also used in ceramics, filler in asphalt roofing, putty and linoleum.

Table 8 - New York Talc Mines. Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Gouverneur Talc No. 1 & 2 Mine	St. Lawrence	Fowler	150
Gouverneur Talc No. 3 Mine	St. Lawrence	Edwards	5

New York Zinc

While New York has historically been a major zinc producer, there was no 2005 production from the single remaining zinc mine in the northwestern Adirondacks. The Pierrepont mine was permanently closed in 2001 and the mine site reclaimed. Work at the Balmat mine was also suspended at the same time while the company awaited a buyer. When the 2 mines were operating they ranked in the top 10 zinc mines in the country and New York ranked third or fourth in total production.

During 2000, which was the last full year of operation, the Balmat mine was the third most productive zinc mine in the United States. This mine has a new owner and is expected to eventually resume production when the price of zinc improves.

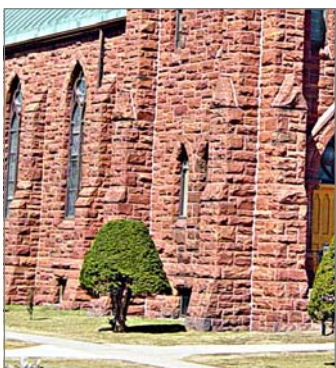
New York Sandstone

In 2005 there were 23 mines in New York producing sandstone which is widely found across the State in the form of sedimentary sandstones, graywacke, metamorphic quartzite and conglomerate. There are no quantity or value statistics available for New York sandstone production. Mines produce sandstone blocks for building, flagstone and curbing. However, most of the sandstone is crushed for aggregate and some larger blocks are sold for riprap to stabilize waterways and embankments. Pure quartz sandstone can be used to make high-quality glass, but sandstone in New York contains too much iron and alumina for this purpose.

Callanan Industries is the company with the most sandstone mines (5 in eastern New York). The highest concentrations of permitted acreage for sandstone mining is in two areas. The first is a roughly 40-mile long trend in Sullivan and Delaware Counties (total 551 permitted acres) and the second is in Orleans County (176 permitted acres).

Table 9 - Sandstone Mines Over 50 Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Callanan Industries, Inc.	Sullivan	Thompson	375
Cobleskill Stone Products, Inc.	Delaware	Hancock	123
E. Tetz & Sons, Inc.	Sullivan	Thompson	103
Shelby Crushed Stone, Inc.	Orleans	Shelby	88
Callanan Industries, Inc.	Rensselaer	Brunswick	76
Hanson Aggregates NY, Inc.	Orleans	Murray	68
Blades Construction Products	Steuben	Bath	55
Callanan Industries, Inc.	Sullivan	Cochecton	53



Potsdam sandstone is a well-known type of sandstone found on many public buildings in New York State. In the 1800s it was lauded for its ability to withstand fire better than granite (less cracking and spalling). In fact its fire resistant properties were so well known, it was used to line furnaces.



New York Bluestone

New York and Pennsylvania are the only sources of bluestone, a specific type of commercial sandstone. The New York State Bluestone Association estimates that the market value of bluestone is approximately \$40 million a year.

In 2005 there were 59 permitted bluestone mines in an area extending from Tompkins County on the west to Albany County on the east. However, the majority of the bluestone activity is in Delaware and Broome Counties. In Broome County roughly 90% of the bluestone mines are in the Pennsylvania border towns of Windsor and Sanford. In Delaware the majority of mines are in the western end of the county with the highest number in Hancock, a long-time stronghold of the bluestone industry.

Bluestone mining is by nature a relatively small-scale operation. Roughly 60% of the bluestone mines are between 1 and 5 acres in size. The operators with the largest mines are shown in Table 10. In 2005 the companies with the highest number of mines were Johnston & Rhodes Bluestone (16), Tompkins Bluestone (5), and Indian Country (3).

While bluestone is a strongly cemented rock, it splits easily into smooth thin slabs that are ideal for outdoor patios, building exteriors and indoor floors. Bluestone's current popularity has led to exploration for new deposits and reopening of old mines. In addition, bluestone's recent high prices are enabling mine operators to switch from old-fashioned hand mining to more modern techniques.

As an aid to exploration, bluestone miners have the option of applying for a simplified one-year Exploration Authorization (EA) instead the full mining permit. When the EA expires, the operator must apply for a regular mining permit if the site is commercially viable or reclaim the land.

Table 10 - Bluestone Mines Over 15 Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Heldeberg Bluestone & Marble	Albany	Berne	30
Damascus 535 Quarry & Stone	Broome	Windsor	24
Larry Schaefer	Delaware	Deposit	22
RCS, LLC	Delaware	Multiple Towns	18
Johnston & Rhodes Bluestone	Delaware	Masonville	16
Johnston & Rhodes Bluestone	Delaware	Hancock	15
Fannie E. Kemp	Broome	Sanford	15
Kenneth Decker	Broome	Conklin	15

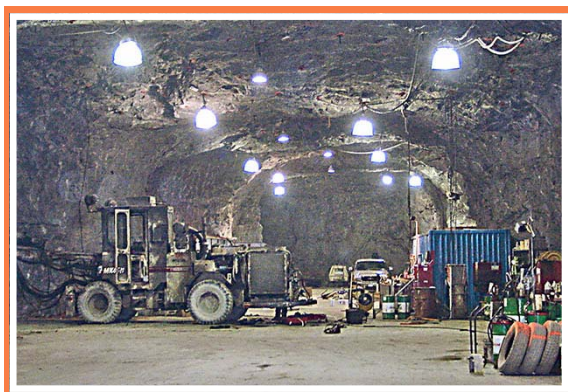
New York Granite

In 2005 there were 18 granite mines operating mostly in the Adirondack and Taconic regions. Washington County, with 6 mines, has the highest concentration of this type of mine in New York State. While granite had long been used for building exteriors, statues and gravestone monuments, it has recently become very popular for kitchen countertops and other interior decorative uses. New York granite ranges in color from gray and green to black. The larger granite mines produce crushed stone.

Granites are composed mostly of quartz and feldspar. New York granite mines also include anorthosite and granitic gneiss. Anorthosite is well-known as the core rock of the Adirondacks (its also found on the moon). Granitic gneiss is a banded form of granite.

Table 11 - Granite Mines Over 20 Permitted Acres, 2005

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Hanson Aggregates NY, Inc.	Oneida	Forestport	100
Peckham Materials Corp.	Saratoga	Greenfield	91
Graymont Materials NY, Inc.	Franklin	Brandon	67
Wingdale Materials, LLC	Dutchess	Dover	60
Thalle Industries, Inc.	Dutchess	Fishkill	46
Graymont Materials NY, Inc.	Essex	St. Armand	36
Lake Placid Granite Co.	Essex	Jay	28
Lake Placid Granite Co.	Essex	Jay	20



New York State has both above-ground and underground granite mines. Wingdale Materials' underground mine in Dutchess County supplies crushed granite for road and other construction.



**New York State
Oil, Gas
and
Mineral Resources
2005
Appendix 1- Oil and Gas Data**

**New York State
Department of Environmental Conservation
Division of Mineral Resources
625 Broadway
Albany, New York 12233-6500**

www.dec.state.ny.us



George E. Pataki, Governor

Denise M. Sheehan, Commissioner

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DIVISION OF MINERAL RESOURCES
OIL AND GAS STATISTICS¹
(1996 - 2005)

Annual Production	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005
Oil (1,000 bbl)	309	276	217	193	181	183	179	157	184	211
Gas (mmcf)	18,244	16,189	16,608	16,836	17,808	28,020	37,133	36,025	46,948	55,176
Well Statistics										
Oil	3,464	3,478	3,739	3,463	2,962	3,373	3,106	3,117	3,153	2,767
Gas	5,869	5,741	5,903	5,756	5,775	5,949	5,773	5,906	6,076	5,957
Inactive Oil	1,650	1,265	1,590	1,165	1,340	1,416	1,343	1,547	1,640	1,401
Inactive Gas	565	709	579	583	850	843	929	832	886	781
Storage	868	867	885	885	870	877	905	908	908	932
Active Brine	64	65	79	87	93	94	96	106	113	96
Inactive Brine	61	70	57	57	61	52	51	38	17	40
Water Injection	668	554	471	223	667	568	434	683	656	460
P&A (During Year)	233	187	169	138	131	79	146	142	145	150
Number of Wells	13,442	12,936	13,472	12,357	12,749	13,251	12,783	13,279	13,594	12,584
Drilling & Completions										
1. Total Wells Spudded	144	91	74	101	128	139	109	137	181	314
2. Total Wildcats	4	3	25	23	22	15	40	35	53	31
3. Discoveries	3	2	5	6	129	123	60	60	126	199
Oil Wildcat	0	1	0	0	0	0	0	1	0	0
Gas Wildcat	4	1	5	7	9	4	10	10	14	17
4. Total Dry Holes	4	3	20	21	16	24	32	25	28	18
5. Oil										
Development	71	29	7	25	17	25	17	28	56	93
Extension	0	0	0	0	0	0	0	0	0	2
6. Gas										
Development	31	20	30	15	98	80	28	19	40	82
Extension	0	1	6	6	5	14	5	3	16	5
7. Injection	0	0	0	0	0	0	0	0	0	2
8. Disposal	2	0	0	0	0	0	0	0	0	0
9. Stratigraphic	0	0	0	6	1	1	1	15	9	0
10. Service	2	0	0	0	0	0	0	0	0	0
11. Brine	3	12	19	7	13	15	10	11	15	14
12. Storage	8	1	3	0	0	5	15	3	1	4
13. Geothermal	0	2	0	0	0	6	1	6	6	14
13a. Suspended wells ²									3	10
14. Total Completions (3,4,5,6,7,8,9,10,11,12, 13, 13a)	125	68	90	87	159	174	119	121	188	261
Footage (1,000's) Vertical Wells	313	207	276	261	534	608	266	248	354	655
Deviated Wells	21	3	28	43	88	99	93	91	237	238
15. Total Footage Drilled	334	210	304	304	622	707	359	339	591	893
Proven Reserves at Year End										
Gas (mmcf)										
A. In Situ	205,522	192,546	189,342	65,160	96,273	174,014	307,214	163,559	208,707	190,300
B. In Storage Reservoirs	171,100	154,496	165,112	157,210	147,313	164,313	162,099	176,936	161,732	169,290
C. Total	376,622	347,042	354,454	222,370	243,586	338,327	469,313	340,495	370,439	359,590
Oil (1000 bbls)										
	2,900	2,645	2,428	846	783	1,189	1,069	1,066	1,056	1,205

¹ Statistics for lines 2 - 15 are based upon received completion reports from the operators.

² Suspended wells: wells drilled to TD but completion category not yet determined.

Statistics computed on August 14, 2006

Division of Mineral Resources Oil and Gas Statistics, 1996 - 2005.

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Allegany County									
Alfred	0		0	1	1	0	0	0	0
Allen	1,891		37	1	0	0	0	0	0
Alma	9,369	3,631	266	27	0	178	69	0	42
Almond	1,302		1	1	0	0	0	0	0
Amity	28,733	0	327	3	0	0	4	0	0
Andover	25,177	6,318	572	2	14	111	31	0	12
Bolivar	350	4,665	298,055	0	0	287	347	17	31
Centerville	0		0	0	1	0	0	0	0
Clarksville	350	0	0	0	0	5	56	0	27
Friendship		0	0	0	0	0	1	0	0
Genesee	910	1,281	1,491	4	4	68	84	0	73
Independence	94,614	13,839	7,117	7	0	259	3	12	0
New Hudson	0		0	0	1	0	0	0	0
Rushford	0		0	3	0	0	0	0	0
Scio	7,394	472	443	3	3	64	167	0	56
Ward	210	0	0	3	0	0	24	0	8
Wellsville	6,911	3,386	192	0	0	69	68	0	18
Willing	0	190	46	1	0	21	34	0	0
Wirt	473	661	746	1	2	99	56	0	0
County Total	177,684	34,443	309,293	57	26	1,161	944	29	267
Broome County									
Colesville	0		0	0	1	0	0	0	0
Fenton	0	0	0	0	0	0	0	0	0
Kirkwood	28,072	0	1,439	1	0	0	0	0	0
Triangle	0		0	0	1	0	0	0	0
County Total	28,072	0	1,439	1	2	0	0	0	0
Cattaraugus County									
Allegany	84,490	61,548	416,567	1	1	523	94	110	17
Ashford	10,542	0	0	9	1	0	0	0	0
Carrollton	54	44,550	4,886	0	0	400	217	6	1
Conewango	165,752	0	0	78	1	0	0	0	0
Dayton	124,268	0	25	55	6	0	0	0	0
East Otto	5,600	0	20	6	0	0	0	0	0
Ellicottville	7,815	0	0	12	0	0	0	0	0
Farmersville	120	75	210	1	0	4	0	0	0
Freedom	22,842		0	6	2	0	0	0	0
Great Valley	0		0	1	0	0	0	0	0
Leon	232,364	69	687	82	5	0	0	0	0
Little Valley	0	0	0	1	1	0	0	0	0
Mansfield	0		0	1	0	0	0	0	0
Napoli	2,014		0	2	0	0	0	0	0
New Albion	15,729		1	10	7	0	0	0	0
Olean	8,659	2,629	87	5	0	69	50	0	18
Olean City	555		0	1	0	0	0	0	0
Otto	58,332	0	90	66	3	0	0	0	0
Perrysburg	67,561	0	77	22	7	0	0	0	0
Persia	76,584	0	3	57	39	0	0	0	0
Portville	0	0	0	1	1	0	0	0	0

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Cattaraugus County									
Randolph	91,085	621	34	82	3	1	0	0	0
South Valley	1,004	0	0	2	0	0	0	0	0
Yorkshire	1,607		177	4	0	0	0	0	0
County Total	976,977	109,492	422,864	505	77	997	361	116	36
Cayuga County									
Auburn City	0		0	0	1	0	0	0	0
Aurelius	229,073	0	387	86	8	0	0	0	0
Cato	0	0	0	0	0	0	0	0	0
Conquest	0		0	0	0	0	0	0	0
Fleming	58,438	0	90	30	3	0	0	0	0
Ledyard	0		0	1	1	0	0	0	0
Mentz	0		0	0	0	0	0	0	0
Owasco	0		0	2	0	0	0	0	0
Scipio	0		0	1	0	0	0	0	0
Sennett	0	0	0	0	4	0	0	0	0
Springport	301,699	0	0	106	7	0	0	0	0
Throop	157		0	1	0	0	0	0	0
Venice	0		0	0	0	0	0	0	0
County Total	589,367	0	477	227	24	0	0	0	0
Chautauqua County									
Arkwright	99,749	0	2,088	111	6	0	0	0	0
Busti	299,844	10,822	6,751	123	8	392	77	0	0
Carroll	74,097	0	5	51	4	0	3	0	0
Charlotte	122,294	157	1,080	93	8	1	0	0	0
Chautauqua	514,706	0	5,673	316	9	0	0	0	0
Cherry Creek	230,376	0	1,779	118	7	0	0	0	0
Clymer	193,374	1,392	8,267	117	7	3	1	0	0
Dunkirk	89,894	0	419	37	7	0	0	0	0
Dunkirk City	7,017	0	30	6	1	0	0	0	0
Ellery	192,202	589	2,560	105	14	10	5	0	0
Ellicott	319,373	0	276	52	0	0	0	0	0
Ellington	379,556	0	1,758	174	6	0	0	0	0
French Creek	38,956	0	1,565	60	5	0	0	0	0
Gerry	228,921	7,017	11,512	132	22	14	3	0	0
Hanover	80,334	0	986	65	5	0	0	0	0
Harmony	205,347	0	9,763	104	18	0	0	0	0
Jamestown	6,399		33	3	1	0	0	0	0
Kiantone	447,723	0	332	68	0	0	0	0	0
Mina	82,408	0	2,091	70	2	0	0	0	0
North Harmony	282,284	6,654	27,536	134	21	14	2	0	0
Poland	272,245	27	168	117	1	0	0	0	0
Pomfret	206,223	0	8,268	166	10	0	0	0	0
Portland	192,376	0	217	130	3	0	0	0	0
Ripley	226,119	0	2,155	180	5	0	0	0	0
Sheridan	143,815	0	626	84	15	0	0	0	0
Sherman	138,307	0	6,552	83	3	0	0	0	0
Stockton	128,865	0	927	108	7	0	0	0	0
Villanova	88,740	0	2,235	74	5	0	0	0	0
Westfield	385,499	0	1,033	243	9	0	0	0	0

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Chautauqua County									
County Total	5,677,043	26,658	106,685	3,124	209	434	91	0	0
Chemung County									
Big Flats	9,847,219		5,407	3	2	0	0	0	0
Catlin	3,174,754		4,666	8	1	0	0	0	0
Chemung	0		0	0	1	0	0	0	0
Elmira	0		0	0	1	0	0	0	0
Elmira City	265		0	1	0	0	0	0	0
Erin	1,804,242	0	226,520	4	1	0	0	0	0
Southport	3,814,876	0	15,027	3	0	0	0	0	0
Van Etten	1,446,500	0	2,883	7	1	0	0	0	0
Veteran	728,292		2,662	5	1	0	0	0	0
County Total	20,816,148	0	257,165	31	8	0	0	0	0
Chenango County									
Plymouth	0		0	0	1	0	0	0	0
Smithville	0		0	0	4	0	0	0	0
Smyrna	272		0	1	2	0	0	0	0
County Total	272		0	1	7	0	0	0	0
Cortland County									
Homer	0	0	0	0	1	0	0	0	0
Virgil	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	2	0	0	0	0
Delaware County									
Hancock	0		0	0	1	0	0	0	0
County Total	0		0	0	1	0	0	0	0
Erie County									
Alden	61,701	0	5,201	56	9	0	0	0	0
Amherst	0	0	0	0	2	0	0	0	0
Aurora	49,149	0	0	23	13	0	0	0	0
Boston	13,036	0	252	29	10	0	0	0	0
Brant	160,100	0	1,332	99	15	0	0	0	0
Buffalo	0	0	0	0	3	0	0	0	0
Cheektowaga	10,775	0	6	12	2	0	0	0	0
Clarence	735	0	1	6	1	0	0	0	0
Colden	2,977	0	0	10	12	0	0	0	0
Collins	9,282	0	41	5	10	1	0	0	0
Concord	122,395	0	1,150	55	19	0	0	0	0
Eden	106,218	0	3,310	140	15	0	0	0	0
Elma	89,620	0	175	51	9	0	0	0	0
Evans	112,728	0	1,325	94	6	0	0	0	0
Hamburg	52,014	0	7	42	38	0	0	0	0
Holland	0		0	1	1	0	0	0	0
Lackawanna	799	0	0	3	1	0	0	0	0
Lancaster	50,038	0	37	28	29	0	0	0	0
Marilla	30,489	0	120	33	5	0	0	0	0
Newstead	82,058	0	284	59	9	0	0	0	0
North Collins	48,447	0	76	52	22	0	0	0	0

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Erie County									
Orchard Park	41,935	69	9	31	25	1	0	0	0
Sardinia	399,927	0	3,055	14	1	0	0	0	0
Tonawanda	0		0	0	1	0	0	0	0
Tonawanda City	0		0	1	1	0	0	0	0
Wales	3,037	0	50	6	13	0	0	0	0
West Seneca	31,188	0	0	4	5	0	0	0	0
County Total	1,478,648	69	16,431	854	277	2	0	0	0
Genesee County									
Alabama	16,787	0	250	20	1	0	0	0	0
Alexander	42,893	0	188	41	0	0	0	0	0
Batavia	42,309	0	1,050	40	1	0	0	0	0
Bergen	134		0	3	0	0	0	0	0
Bethany	18,959	0	925	31	1	0	0	0	0
Darien	295,422	0	31,212	197	13	0	0	0	0
Elba	806	0	0	3	0	0	0	0	0
Le Roy	2,920		35	5	0	0	0	0	0
Oakfield	10,004	0	210	12	0	0	0	0	0
Pavilion	20,107	0	435	21	5	0	0	0	0
Pembroke	217,335	0	1,395	124	2	0	0	0	0
Stafford	270	0	0	1	1	0	0	0	0
County Total	667,946	0	35,700	498	24	0	0	0	0
Herkimer County									
Stark	0		0	0	0	0	0	0	0
County Total	0		0	0	0	0	0	0	0
Livingston County									
Avon	32,535	0	365	17	1	0	0	0	0
Caledonia	50,274	0	2,146	48	2	0	0	0	0
Groveland	0		0	1	1	0	0	0	0
Leicester	28,061	0	0	16	8	0	0	0	0
Nunda	0		0	1	0	0	0	0	0
Ossian	0		0	1	0	0	0	0	0
Portage	1,645		0	2	0	0	0	0	0
Sparta	0		0	2	0	0	0	0	0
West Sparta	200		0	6	0	0	0	0	0
York	31,028	0	1,308	49	3	0	0	0	0
County Total	143,743	0	3,819	143	15	0	0	0	0
Madison County									
Brookfield	0		0	1	0	0	0	0	0
Eaton	3,065		7,542	4	0	0	0	0	0
Lebanon	237,664		45,782	18	8	0	0	0	0
Stockbridge	0		0	0	1	0	0	0	0
County Total	240,729		53,324	23	9	0	0	0	0
Niagara County									
Lewiston	15		0	1	0	0	0	0	0
County Total	15		0	1	0	0	0	0	0

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Oneida County									
Sangerfield	125		0	2	1	0	0	0	0
County Total	125		0	2	1	0	0	0	0
Onondaga County									
Lysander	0		0	1	1	0	0	0	0
Marcellus	0	0	0	0	2	0	0	0	0
Tully	0	0	0	0	0	0	0	0	0
County Total	0	0	0	1	3	0	0	0	0
Ontario County									
Bristol	1,586		26	2	1	0	0	0	0
Canandaigua	0		0	1	1	0	0	0	0
East Bloomfield	48,175		17	10	2	0	0	0	0
Geneva	0		0	0	2	0	0	0	0
Geneva City	0		0	0	1	0	0	0	0
Gorham	0		0	0	1	0	0	0	0
Hopewell	0	0	0	0	0	0	0	0	0
Phelps	0		0	0	1	0	0	0	0
Richmond	436		0	1	1	0	0	0	0
West Bloomfield	4,291		0	2	0	0	0	0	0
County Total	54,488	0	43	16	10	0	0	0	0
Oswego County									
Richland	100		0	1	5	0	0	0	0
Schroepfel	0		0	0	1	0	0	0	0
West Monroe	0		0	1	0	0	0	0	0
Williamstown	0		0	1	0	0	0	0	0
County Total	100		0	3	6	0	0	0	0
Otsego County									
Hartwick	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	1	0	0	0	0
Schuyler County									
Catharine	0		0	0	1	0	0	0	0
Dix	132,460		120	1	2	0	0	0	0
Montour	0		0	0	1	0	0	0	0
Orange	2,622,341		841	3	1	0	0	0	0
Reading	54,564		7,772	2	3	0	0	0	0
County Total	2,809,365		8,733	6	8	0	0	0	0
Seneca County									
Fayette	412,563	0	1,443	106	4	0	0	0	0
Junius	0	0	0	1	1	0	0	0	0
Seneca Falls	48,607	0	0	9	0	0	0	0	0
Tyre	0	0	0	0	3	0	0	0	0
Varick	145,133	0	76	44	0	0	0	0	0
County Total	606,303	0	1,519	160	8	0	0	0	0
Steuben County									
Bath	15,667		2	2	0	0	0	0	0

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Steuben County									
Bradford	2,009,094		1,325	3	0	0	0	0	0
Cameron	0	0	0	0	0	0	0	0	0
Campbell	0		0	0	1	0	0	0	0
Canisteo	200		0	1	0	0	0	0	0
Caton	3,308,864	0	3,596	3	0	0	0	0	0
Cohocton	79,399	0	0	4	0	0	0	0	0
Corning	11,742,330		9,346	9	1	0	0	0	0
Erwin	800		0	1	2	0	0	0	0
Fremont	0	0	0	0	1	0	0	0	0
Greenwood	120	217	27	2	0	4	0	0	0
Hartsville	0	0	0	1	1	0	0	0	0
Hornby	2,198,720		1,415	6	1	0	0	0	0
Howard	0	0	0	1	1	0	0	0	0
Jasper	400		0	1	1	0	0	0	0
Prattsburg	136,567	0	1,285	5	1	0	0	0	0
Pulteney	701,801	0	1,369	11	1	0	0	0	0
Troupsburg	9,388		0	1	2	0	0	0	0
Urbana	0		0	0	0	0	0	0	0
Wayne	0	0	0	0	1	0	0	0	0
West Union	78,356	23,126	10,457	2	2	169	5	12	0
County Total	20,281,703	23,343	28,822	53	16	173	5	12	0
Tioga County									
Nichols	49,998		389	5	0	0	0	0	0
Owego	435	0	5	1	0	0	0	0	0
Spencer	0		0	0	1	0	0	0	0
Tioga	0	0	0	0	0	0	0	0	0
County Total	50,433	0	394	6	1	0	0	0	0
Tompkins County									
Dryden	0	0	0	0	1	0	0	0	0
Enfield	0	0	0	0	0	0	0	0	0
Newfield	0	0	0	0	0	0	0	0	0
County Total	0	0	0	0	1	0	0	0	0
Wayne County									
Butler	21,303	0	0	2	1	0	0	0	0
Galen	0	0	0	0	4	0	0	0	0
County Total	21,303	0	0	2	5	0	0	0	0
Wyoming County									
Arcade	40,391	0	100	22	0	0	0	0	0
Attica	1,541		0	2	2	0	0	0	0
Bennington	97,805	0	5,780	87	3	0	0	0	0
Castile	10,027		0	4	0	0	0	0	0
Covington	74,890	0	622	27	4	0	0	0	0
Gainesville	0		0	0	1	0	0	0	0
Genesee Falls	0		0	0	1	0	0	0	0
Java	3,648	0	30	9	0	0	0	0	0
Middlebury	16,687	0	100	4	4	0	0	0	0
Perry	35,696	0	95	40	7	0	0	0	0

Oil and Gas Production by Town in Each County, 2005

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Wyoming County									
Pike	0		0	1	0	0	0	0	0
Sheldon	40,954	0	980	37	2	0	0	0	0
Warsaw	1,083		0	4	1	0	0	0	0
County Total	322,722	0	7,707	237	25	0	0	0	0
Yates County									
Barrington	0	0	0	0	2	0	0	0	0
Benton	250	0	0	4	7	0	0	0	0
Italy	0		0	0	0	0	0	0	0
Jerusalem	234,224	0	0	1	2	0	0	0	0
Milo	2,258	0	0	1	0	0	0	0	0
Potter	0		0	0	1	0	0	0	0
Starkey	0	0	0	0	2	0	0	0	0
Torrey	0		0	0	1	0	0	0	0
County Total	236,732	0	0	6	15	0	0	0	0
State Total	55,179,918	194,005	1,254,415	5,957	781	2,767	1,401	157	303

Permits Issued During 2005

Town	Company	API Number	Well Name	Issue Date	Spud Date
Allegany					
Alma	Klein, Roger, A. Jr.	31003242150000	Lot 53 K-25	6/20/2005	7/25/2005
Alma	Klein, Roger, A. Jr.	31003242230000	Lot 53 K-20	8/4/2005	8/30/2005
Andover	Otis Eastern Service, Inc.	31003241740000	Harder Dean 1	7/29/2005	9/14/2005
Andover	Otis Eastern Service, Inc.	31003241750000	Joyce P & H 1	7/29/2005	9/7/2005
Andover	Otis Eastern Service, Inc.	31003241760000	Rosebush 2A	7/1/2005	8/11/2005
Andover	Otis Eastern Service, Inc.	31003241770000	Rosebush 3A	7/1/2005	9/1/2005
Andover	Otis Eastern Service, Inc.	31003242740000	Harris B 1	9/28/2005	10/10/2005
Independence	Nathan Petroleum, Yahn & Yahn a	31003241290000	Austin 1Y	6/7/2005	8/8/2005
Independence	Nathan Petroleum, Yahn & Yahn a	31003241300000	Austin 2Y	6/7/2005	7/28/2005
Independence	Nathan Petroleum, Yahn & Yahn a	31003241310000	Austin 3Y	6/7/2005	8/3/2005
Independence	Nathan Petroleum, Yahn & Yahn a	31003241320000	Austin 4Y	6/7/2005	7/21/2005
Independence	Nathan Petroleum, Yahn & Yahn a	31003241330000	Austin 5Y	6/7/2005	7/27/2005
Independence	East Resources, Inc.	31003241810000	Cryder Creek Test Well 1	6/30/2005	7/13/2005
Independence	Richardson Petroleum Corp.	31003241870000	Potter 17	7/15/2005	11/23/2005
Independence	Yahn & Yahn Inc.	31003242280000	Kear 1	8/24/2005	9/22/2005
Independence	Plants & Goodwin, Inc.	31003242670000	Mervine 41	9/28/2005	12/12/2005
Independence	Plants & Goodwin, Inc.	31003242680000	Mervine 42	9/28/2005	12/22/2005
Independence	Plants & Goodwin, Inc.	31003242690000	Mervine 43	9/28/2005	12/29/2005
Independence	Plants & Goodwin, Inc.	31003242700000	Mervine 44	9/28/2005	12/19/2005
Independence	Plants & Goodwin, Inc.	31003242710000	Mervine 45	9/28/2005	12/2/2005
Independence	Richardson Petroleum Corp.	31003243740000	Potter 18	12/27/2005	1/6/2006
Cattaraugus					
Allegany	East Resources, Inc.	31009240330000	Rumsey Devonian Sec 10 Lot 3-14	2/4/2005	5/12/2005
Allegany	East Resources, Inc.	31009240340000	Rumsey Devonian Sec 10 Lot 3-15	2/4/2005	5/5/2005
Allegany	East Resources, Inc.	31009240350000	Rumsey Devonian Sec 10 Lot 3-18	1/27/2005	5/31/2005
Allegany	East Resources, Inc.	31009240360000	Rumsey Devonian Sec 14 Lot 1-25	1/27/2005	3/8/2005
Allegany	East Resources, Inc.	31009240370000	Rumsey Devonian Sec 10 Lot 3-26	1/26/2005	3/1/2005
Allegany	East Resources, Inc.	31009240380000	Rumsey Devonian Sec 14 Lot 1-17	1/27/2005	5/28/2005
Allegany	East Resources, Inc.	31009240390000	Rumsey Devonian Sec 14 Lot 1-23	1/27/2005	5/24/2005
Allegany	East Resources, Inc.	31009240400000	Rumsey Devonian Sec 14 Lot 1-24	1/27/2005	3/17/2005
Allegany	East Resources, Inc.	31009240410000	Rumsey Devonian Sec 14 Lot 1-32	1/27/2005	3/3/2005
Allegany	East Resources, Inc.	31009240420000	Rumsey Devonian Sec 14 Lot 1-39	1/27/2005	3/15/2005
Allegany	East Resources, Inc.	31009240450000	Rumsey Devonian Sec 14 Lot 3-31	1/27/2005	5/21/2005
Allegany	East Resources, Inc.	31009240480000	Rumsey Devonian Sec 14 Lot 3-38	1/27/2005	3/12/2005
Allegany	East Resources, Inc.	31009240570000	Rumsey Devonian Sec 10 Lot 3-16	2/4/2005	5/9/2005
Allegany	East Resources, Inc.	31009241010000	Rumsey Devonian Sec 14 Lot 3-43	5/5/2005	6/25/2005
Allegany	East Resources, Inc.	31009241020000	Rumsey Devonian Sec 14 Lot 3-44	5/5/2005	6/23/2005
Allegany	East Resources, Inc.	31009241030000	Rumsey Devonian Sec 14 Lot 3-45	5/5/2005	6/21/2005
Allegany	East Resources, Inc.	31009241040000	Rumsey Devonian Sec 14 Lot 3-46	5/5/2005	6/17/2005
Allegany	East Resources, Inc.	31009241050000	Rumsey Devonian Sec 14 Lot 3-48	5/5/2005	6/28/2005

Permits Issued During 2005

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	East Resources, Inc.	31009241060000	Rumsey Devonian Sec 14 Lot 3-49	5/5/2005	6/11/2005
Allegany	East Resources, Inc.	31009241070000	Rumsey Devonian Sec 14 Lot 3-50	5/5/2005	6/9/2005
Allegany	East Resources, Inc.	31009241080000	Rumsey Devonian Sec 14 Lot 3-51	5/5/2005	6/7/2005
Allegany	East Resources, Inc.	31009241090000	Rumsey Devonian Sec 14 Lot 3-52	5/5/2005	6/14/2005
Allegany	East Resources, Inc.	31009241100000	Rumsey Devonian Sec 14 Lot 3-53	5/5/2005	6/16/2005
Allegany	East Resources, Inc.	31009241110000	Rumsey Devonian Sec 14 Lot 3-57	5/5/2005	6/2/2005
Allegany	East Resources, Inc.	31009241120000	Rumsey Devonian Sec 14 Lot 3-59	5/5/2005	6/4/2005
Allegany	East Resources, Inc.	31009241190000	Rumsey Devonian Sec 14 Lot 3-22	5/23/2005	9/19/2005
Allegany	East Resources, Inc.	31009241200000	Rumsey Devonian Sec 14 Lot 3-40	5/23/2005	9/15/2005
Allegany	East Resources, Inc.	31009241210000	Rumsey Devonian Sec 14 Lot 3-41	5/23/2005	9/22/2005
Allegany	East Resources, Inc.	31009241220000	Rumsey Devonian Sec 14 Lot 3-42	5/23/2005	9/12/2005
Allegany	East Resources, Inc.	31009241230000	Rumsey Devonian Sec 14 Lot 3-47	5/23/2005	9/21/2005
Allegany	East Resources, Inc.	31009241240000	Rumsey Devonian Sec 14 Lot 3-54	5/23/2005	6/30/2005
Allegany	East Resources, Inc.	31009241250000	Rumsey Devonian Sec 14 Lot 1-55	5/23/2005	7/5/2005
Allegany	East Resources, Inc.	31009241260000	Rumsey Devonian Sec 14 Lot 3-58	5/23/2005	5/27/2005
Allegany	East Resources, Inc.	31009241340000	Rumsey Devonian Sec 14 Lot 1-67	6/6/2005	8/10/2005
Allegany	East Resources, Inc.	31009241350000	Rumsey Devonian Sec 14 Lot 1-77	6/6/2005	9/6/2005
Allegany	East Resources, Inc.	31009241360000	Rumsey Devonian Sec 14 Lot 1-80	6/6/2005	8/23/2005
Allegany	East Resources, Inc.	31009241370000	Rumsey Devonian Sec 14 Lot 1-81	6/6/2005	8/29/2005
Allegany	East Resources, Inc.	31009241380000	Rumsey Devonian Sec 14 Lot 1-82	6/7/2005	9/1/2005
Allegany	East Resources, Inc.	31009241390000	Rumsey Devonian Sec 14 Lot 1-84	6/7/2005	7/7/2005
Allegany	East Resources, Inc.	31009241400000	Rumsey Devonian Sec 14 Lot 1-85	6/7/2005	8/26/2005
Allegany	East Resources, Inc.	31009241410000	Rumsey Devonian Sec 14 Lot 1-86	6/7/2005	9/9/2005
Allegany	East Resources, Inc.	31009241420000	Rumsey Devonian Sec 14 Lot 3-60	6/6/2005	7/8/2005
Allegany	East Resources, Inc.	31009241430000	Rumsey Devonian Sec 14 Lot 3-61	6/6/2005	8/13/2005
Allegany	East Resources, Inc.	31009241440000	Rumsey Devonian Sec 14 Lot 3-37	6/6/2005	8/19/2005
Allegany	East Resources, Inc.	31009241450000	Rumsey Devonian Sec 14 Lot 3-36	6/6/2005	8/16/2005
Allegany	East Resources, Inc.	31009241540000	Rumsey Devonian Sec 10 Lot 3-122	6/17/2005	12/14/2005
Allegany	East Resources, Inc.	31009241550000	Rumsey Devonian Sec 14 Lot 1-62	6/17/2005	7/18/2005
Allegany	East Resources, Inc.	31009241560000	Rumsey Devonian Sec 14 Lot 1-63	6/17/2005	7/22/2005
Allegany	East Resources, Inc.	31009241570000	Rumsey Devonian Sec 14 Lot 1-64	6/17/2005	7/14/2005
Allegany	East Resources, Inc.	31009241580000	Rumsey Devonian Sec 14 Lot 2-66	6/17/2005	7/12/2005
Allegany	East Resources, Inc.	31009241590000	Rumsey Devonian Sec 14 Lot 1-68	6/17/2005	8/5/2005
Allegany	East Resources, Inc.	31009241600000	Rumsey Devonian Sec 14 Lot 1-69	6/17/2005	7/29/2005
Allegany	East Resources, Inc.	31009241610000	Rumsey Devonian Sec 14 Lot 1-70	6/17/2005	7/28/2005
Allegany	East Resources, Inc.	31009241620000	Rumsey Devonian Sec 14 Lot 1-71	6/17/2005	7/25/2005
Allegany	East Resources, Inc.	31009241630000	Rumsey Devonian Sec 14 Lot 1-74	6/17/2005	8/9/2005
Allegany	East Resources, Inc.	31009241640000	Rumsey Devonian Sec 14 Lot 1-75	6/17/2005	8/3/2005
Allegany	East Resources, Inc.	31009241650000	Rumsey Devonian Sec 14 Lot 1-76	6/17/2005	8/2/2005
Allegany	Uhl, Stephen L.	31009241710000	Schnell 8	7/1/2005	10/1/2005
Allegany	Uhl, Stephen L.	31009241720000	Schnell 10	7/1/2005	10/11/2005
Allegany	Uhl, Stephen L.	31009241730000	Schnell 11	7/1/2005	10/15/2005

Permits Issued During 2005

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	East Resources, Inc.	31009241900000	Rumsey Devonian Sec 14 Lot 1-65	7/20/2005	10/20/2005
Allegany	East Resources, Inc.	31009241910000	Rumsey Devonian Sec 14 Lot 1-72	7/20/2005	10/3/2005
Allegany	East Resources, Inc.	31009241920000	Rumsey Devonian Sec 14 Lot 1-73	7/20/2005	10/14/2005
Allegany	East Resources, Inc.	31009241930000	Rumsey Devonian Sec 14 Lot 1-78	7/20/2005	9/30/2005
Allegany	East Resources, Inc.	31009241940000	Rumsey Devonian Sec 14 Lot 1-79	7/20/2005	10/22/2005
Allegany	East Resources, Inc.	31009241950000	Rumsey Devonian Sec 14 Lot 1-83	7/20/2005	10/7/2005
Allegany	East Resources, Inc.	31009241960000	Rumsey Devonian Sec 14 Lot 1-87	7/20/2005	9/27/2005
Allegany	East Resources, Inc.	31009241970000	Rumsey Devonian Sec 14 Lot 1-88	7/20/2005	10/12/2005
Allegany	East Resources, Inc.	31009241980000	Rumsey Devonian Sec 14 Lot 1-89	7/20/2005	10/10/2005
Allegany	East Resources, Inc.	31009241990000	Rumsey Devonian Sec 14 Lot 1-90	7/20/2005	9/26/2005
Allegany	East Resources, Inc.	31009242000000	Rumsey Devonian Sec 14 Lot 1-91	7/20/2005	11/1/2005
Allegany	East Resources, Inc.	31009242010000	Rumsey Devonian Sec 14 Lot 1-92	7/20/2005	11/7/2005
Allegany	East Resources, Inc.	31009242020000	Rumsey Devonian Sec 14 Lot 1-93	7/20/2005	11/4/2005
Allegany	East Resources, Inc.	31009242030000	Rumsey Devonian Sec 14 Lot 1-95	7/20/2005	11/9/2005
Allegany	East Resources, Inc.	31009242040000	Rumsey Devonian Sec 10 Lot 3-96	7/20/2005	9/15/2005
Allegany	East Resources, Inc.	31009242050000	Rumsey Devonian Sec 14 Lot 1-97	7/20/2005	10/18/2005
Allegany	East Resources, Inc.	31009242060000	Rumsey Devonian Sec 10 Lot 3-98	7/25/2005	9/16/2005
Allegany	East Resources, Inc.	31009242070000	Rumsey Devonian Sec 10 Lot 3-99	7/25/2005	9/19/2005
Allegany	East Resources, Inc.	31009242080000	Rumsey Devonian Sec 10 Lot 3-100	7/20/2005	9/21/2005
Allegany	East Resources, Inc.	31009242090000	Rumsey Devonian Sec 10 Lot 3-101	7/20/2005	9/23/2005
Allegany	East Resources, Inc.	31009242100000	Rumsey Devonian Sec 10 Lot 3-102	7/20/2005	10/25/2005
Allegany	East Resources, Inc.	31009242110000	Rumsey Devonian Sec 10 Lot 3-103	7/20/2005	9/22/2005
Allegany	East Resources, Inc.	31009242120000	Rumsey Devonian Sec 10 Lot 3-108	7/20/2005	10/27/2006
Allegany	East Resources, Inc.	31009242130000	Rumsey Devonian Sec 10 Lot 3-129	7/25/2005	9/10/2005
Allegany	East Resources, Inc.	31009242140000	Rumsey Devonian Sec 10 Lot 4-130	7/25/2005	9/12/2005
Allegany	East Resources, Inc.	31009242290000	Rumsey Devonian Sec 14 Lot 1-94	9/1/2005	2/17/2006
Allegany	East Resources, Inc.	31009242300000	Rumsey Devonian Sec 10 Lot 3-104	9/1/2005	1/18/2006
Allegany	East Resources, Inc.	31009242310000	Rumsey Devonian Sec 10 Lot 3-105	9/1/2005	2/20/2006
Allegany	East Resources, Inc.	31009242320000	Rumsey Devonian Sec 10 Lot 3-106	9/1/2005	1/16/2006
Allegany	East Resources, Inc.	31009242330000	Rumsey Devonian Sec 10 Lot 3-107	9/1/2005	12/29/2005
Allegany	East Resources, Inc.	31009242340000	Rumsey Devonian Sec 10 Lot 3-109	9/1/2005	1/19/2006
Allegany	East Resources, Inc.	31009242350000	Rumsey Devonian Sec 10 Lot 3-110	9/1/2005	1/31/2006
Allegany	East Resources, Inc.	31009242360000	Rumsey Devonian Sec 10 Lot 3-111	9/1/2005	2/9/2006
Allegany	East Resources, Inc.	31009242370000	Rumsey Devonian Sec 10 Lot 3-112	9/1/2005	12/27/2005
Allegany	East Resources, Inc.	31009242380000	Rumsey Devonian Sec 10 Lot 3-113	9/1/2005	1/26/2006
Allegany	East Resources, Inc.	31009242390000	Rumsey Devonian Sec 10 Lot 3-114	9/1/2005	2/15/2006
Allegany	East Resources, Inc.	31009242400000	Rumsey Devonian Sec 10 Lot 3-115	9/1/2005	2/13/2006
Allegany	East Resources, Inc.	31009242410000	Rumsey Devonian Sec 10 Lot 3-116	9/1/2005	2/13/2006
Allegany	East Resources, Inc.	31009242420000	Rumsey Devonian Sec 10 Lot 3-117	9/1/2005	12/22/2005
Allegany	East Resources, Inc.	31009242430000	Rumsey Devonian Sec 10 Lot 3-118	9/1/2005	2/24/2006
Allegany	East Resources, Inc.	31009242440000	Rumsey Devonian Sec 10 Lot 3-119	9/1/2005	2/22/2006
Allegany	East Resources, Inc.	31009242450000	Rumsey Devonian Sec 10 Lot 3-120	9/1/2005	2/14/2006

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Cattaraugus					
Allegany	East Resources, Inc.	31009242460000	Rumsey Devonian Sec 10 Lot 3-121	9/1/2005	12/20/2005
Allegany	East Resources, Inc.	31009242470000	Rumsey Devonian Sec 10 Lot 3-123	9/1/2005	2/11/2006
Allegany	East Resources, Inc.	31009242480000	Rumsey Devonian Sec 10 Lot 3-124	9/1/2005	2/27/2006
Allegany	East Resources, Inc.	31009242490000	Rumsey Devonian Sec 10 Lot 3-125	9/1/2005	2/21/2006
Allegany	East Resources, Inc.	31009242500000	Rumsey Devonian Sec 10 Lot 3-126	9/1/2005	2/16/2006
Allegany	East Resources, Inc.	31009242510000	Rumsey Devonian Sec 9 Lot 4-127	9/1/2005	2/22/2006
Allegany	East Resources, Inc.	31009242520000	Rumsey Devonian Sec 9 Lot 4-128	9/1/2005	2/8/2006
Allegany	Snyder Brothers, Inc.	31009242590000	Nichols Run SBNR1	9/22/2005	10/6/2005
Allegany	Snyder Brothers, Inc.	31009242600000	Nichols Run SBNR2	9/22/2005	10/4/2006
Allegany	Snyder Brothers, Inc.	31009242610000	Nichols Run SBNR3	9/22/2005	9/30/2005
Allegany	Snyder Brothers, Inc.	31009242620000	Nichols Run SBNR5	9/22/2005	9/29/2005
Allegany	Snyder Brothers, Inc.	31009242630000	Nichols Run SBNR6	9/22/2005	9/27/2005
Allegany	East Resources, Inc.	31009243130000	Rumsey Devonian Sec 14 Lot 2-216	11/28/2005	5/23/2006
Allegany	East Resources, Inc.	31009243140000	Rumsey Devonian Sec 14 Lot 2-217	11/28/2005	
Allegany	East Resources, Inc.	31009243150000	Rumsey Devonian Sec 14 Lot 2-218	11/28/2005	
Allegany	East Resources, Inc.	31009243160000	Rumsey Devonian Sec 14 Lot 2-219	11/28/2005	
Allegany	East Resources, Inc.	31009243170000	Rumsey Devonian Sec 14 Lot 2-220	11/28/2005	
Allegany	East Resources, Inc.	31009243180000	Rumsey Devonian Sec 14 Lot 2-221	11/28/2005	
Allegany	East Resources, Inc.	31009243190000	Rumsey Devonian Sec 14 Lot 2-222	11/28/2005	5/22/2006
Allegany	East Resources, Inc.	31009243200000	Rumsey Devonian Sec 14 Lot 2-223	11/28/2005	
Allegany	East Resources, Inc.	31009243210000	Rumsey Devonian Sec 14 Lot 2-224	11/28/2005	
Allegany	East Resources, Inc.	31009243220000	Rumsey Devonian Sec 14 Lot 2-225	11/28/2005	
Allegany	East Resources, Inc.	31009243230000	Rumsey Devonian Sec 14 Lot 2-226	11/28/2005	3/1/2006
Allegany	East Resources, Inc.	31009243240000	Rumsey Devonian Sec 14 Lot 2-227	11/28/2005	
Allegany	East Resources, Inc.	31009243250000	Rumsey Devonian Sec 14 Lot 2-228	11/28/2005	5/8/2006
Allegany	East Resources, Inc.	31009243260000	Rumsey Devonian Sec 14 Lot 2-229	11/28/2005	
Allegany	East Resources, Inc.	31009243270000	Rumsey Devonian Sec 14 Lot 2-230	11/28/2005	5/18/2006
Allegany	East Resources, Inc.	31009243280000	Rumsey Devonian Sec 14 Lot 2-231	11/28/2005	
Allegany	East Resources, Inc.	31009243290000	Rumsey Devonian Sec 14 Lot 2-232	11/28/2005	
Allegany	East Resources, Inc.	31009243300000	Rumsey Devonian Sec 14 Lot 2-234	11/28/2005	
Allegany	East Resources, Inc.	31009243310000	Rumsey Devonian Sec 14 Lot 2-236	11/28/2005	5/25/2006
Allegany	East Resources, Inc.	31009243320000	Rumsey Devonian Sec 14 Lot 2-244	11/28/2005	3/4/2006
Allegany	East Resources, Inc.	31009243330000	Williams 1	11/28/2005	12/16/2005
Allegany	East Resources, Inc.	31009243340000	Thropp 2	11/28/2005	12/12/2005
Allegany	East Resources, Inc.	31009243570000	Rumsey Devonian Sec 14 Lot 1-207	12/8/2005	3/6/2006
Allegany	East Resources, Inc.	31009243580000	Rumsey Devonian Sec 14 Lot 1-233	12/8/2005	3/8/2006
Allegany	East Resources, Inc.	31009243590000	Rumsey Devonian Sec 14 Lot 1-235	12/8/2005	2/27/2006
Allegany	East Resources, Inc.	31009243600000	Rumsey Devonian Sec 14 Lot 1-237	12/8/2005	5/15/2006
Allegany	East Resources, Inc.	31009243610000	Rumsey Devonian Sec 14 Lot 3-238	12/8/2005	3/1/2006
Allegany	East Resources, Inc.	31009243620000	Rumsey Devonian Sec 14 Lot 1-239	12/8/2005	5/11/2006
Allegany	East Resources, Inc.	31009243630000	Rumsey Devonian Sec 14 Lot 1-240	12/8/2005	3/3/2006
Allegany	East Resources, Inc.	31009243640000	Rumsey Devonian Sec 14 Lot 1-242	12/8/2005	5/9/2006

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Cattaraugus					
Allegany	East Resources, Inc.	31009243650000	Rumsey Devonian Sec 14 Lot 1-243	12/8/2005	5/16/2006
Allegany	East Resources, Inc.	31009243670000	Rumsey Devonian Sec 10 Lot 1-169	12/12/2005	5/5/2006
Allegany	East Resources, Inc.	31009243680000	Rumsey Devonian Sec 10 Lot 1-170	12/12/2005	2/24/2006
Carrollton	McCracken, Carl A. III	31009240490000	Beardsley B-5	1/19/2005	5/10/2005
Carrollton	McCracken, Carl A. III	31009240500000	McCray #126	1/19/2005	5/26/2005
Carrollton	McCracken, Carl A. III	31009240880000	Dutka BD-3	4/26/2005	7/22/2005
Carrollton	McCracken, Carl A. III	31009240890000	Dutka BD-4	4/26/2005	7/27/2005
Carrollton	McCracken, Carl A. III	31009241470000	Roeske-Eakin RE-4	6/3/2005	7/11/2005
Carrollton	McCracken, Carl A. III	31009241480000	Roeske-Eakin RE-5	6/3/2005	7/5/2005
Carrollton	R & C Oil Co.	31009242160000	Stewart-Matson 5A	8/30/2005	11/1/2005
Carrollton	R & C Oil Co.	31009242170000	Stewart-Matson 8A	8/30/2005	10/21/2005
Carrollton	R & C Oil Co.	31009242180000	Stewart-Matson 9A	8/30/2005	4/12/2005
Carrollton	Bouquin, Fred C. & Fred L.	31009242190000	Wahl 1	7/28/2005	9/19/2005
Carrollton	Bouquin, Fred C. & Fred L.	31009242200000	Ruoff 28	7/28/2005	10/5/2005
Carrollton	Bouquin, Fred C. & Fred L.	31009242220000	Wahl 27	8/5/2005	9/23/2005
Carrollton	R & C Oil Co.	31009242560000	Stewart-Matson 3A	9/2/2005	11/23/2005
Carrollton	R & C Oil Co.	31009242570000	Stewart-Matson 4A	9/2/2005	11/15/2005
Carrollton	Dallas Energy, LLC	31009243010000	Johnson 9	11/10/2005	4/17/2006
Carrollton	Dallas Energy, LLC	31009243020000	Johnson 10	11/10/2005	
Carrollton	Dallas Energy, LLC	31009243030000	Johnson 14	11/10/2005	4/12/2006
Carrollton	Dallas Energy, LLC	31009243040000	Johnson 15	11/10/2005	4/19/2006
Carrollton	Torrey, Martha M.	31009243060000	Torrey 1-109	11/16/2005	4/21/2006
Carrollton	McCracken, Carl A. III	31009243760000	Ertz-Carey EC-5	12/29/2005	3/7/2006
Carrollton	McCracken, Carl A. III	31009243780000	Roeske-Eakin RE-1	12/29/2005	5/2/2006
Dayton	Nornew, Inc.	31009242240000	Dye 1-445	10/11/2005	11/3/2005
Olean	Dominion Transmission, Inc.	31009130260001	Quinlan (E-2A) QW-2A	12/13/2005	3/16/2006
Olean	Dominion Transmission, Inc.	31009233060001	Quinlan, QW-3A	12/13/2005	3/9/2006
Olean	Dominion Transmission, Inc.	31009241460000	Quinlan, J QW-4	7/11/2005	9/20/2005
Olean	Dominion Transmission, Inc.	31009242210000	Quinlan QW-6	8/15/2005	11/5/2005
Olean	Dominion Transmission, Inc.	31009242210001	Quinlan QW-6A	12/15/2005	1/9/2006
Olean	Dominion Transmission, Inc.	31009242250000	Quinlan QW-7	8/15/2005	11/19/2005
Olean	Dominion Transmission, Inc.	31009242270000	Quinlan QW-5	8/24/2005	
Olean	Copper Ridge Oil, Inc.	31009242900000	PY 50	10/21/2005	10/24/2005
Otto	Texas Keystone, Inc.	31009240040001	Dunkleman #4A	7/5/2005	9/26/2005
Otto	Texas Keystone, Inc.	31009242580000	Ladybug 1	9/8/2005	9/30/2005
Perrysburg	U S Energy Development Corp.	31009240650001	Chiavetta 1A	10/18/2005	2/10/2006
Perrysburg	U S Energy Development Corp.	31009240660000	Flaherty Unit 1	3/8/2005	3/29/2005
Perrysburg	U S Energy Development Corp.	31009240810000	Fort Unit 1	3/24/2005	3/31/2005
Perrysburg	U S Energy Development Corp.	31009242830000	Wesley 1	10/18/2005	11/22/2005
Perrysburg	U S Energy Development Corp.	31009242840000	Wesley 2	10/18/2005	2/22/2006
Perrysburg	U S Energy Development Corp.	31009242850000	Sisti 1	10/18/2005	3/2/2006
Perrysburg	U S Energy Development Corp.	31009242860000	Uzunov 2	10/18/2005	3/30/2006

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Cattaraugus					
Perrysburg	U S Energy Development Corp.	31009243410000	Uzunov 3	12/1/2005	3/30/2006
Perrysburg	U S Energy Development Corp.	31009243420000	Uzunov 1	12/1/2005	12/27/2005
Perrysburg	U S Energy Development Corp.	31009243430000	Wesley 4	12/1/2005	3/2/2006
Perrysburg	U S Energy Development Corp.	31009243440000	Wesley 3	12/1/2005	1/11/2006
Perrysburg	U S Energy Development Corp.	31009243510000	Taylor 1	12/22/2005	2/28/2006
Perrysburg	U S Energy Development Corp.	31009243520000	Taylor 3	12/22/2005	2/2/2006
Perrysburg	U S Energy Development Corp.	31009243750000	Taylor 2	12/30/2005	3/1/2006
Persia	Texas Keystone, Inc.	31009234330001	Burr Sarah Unit #2A	7/5/2005	8/17/2005
Persia	Texas Keystone, Inc.	31009240010000	Southwood #2	7/7/2005	9/9/2005
Persia	Texas Keystone, Inc.	31009240020001	Ackley #2A	7/5/2005	8/31/2005
Persia	Texas Keystone, Inc.	31009240030000	Ackley #4	7/1/2005	8/25/2005
Cayuga					
Mentz	Great Lakes Energy Partners	31011232210000	Mills 1	6/9/2005	
Montezuma	Great Lakes Energy Partners	31011232180000	Wiggins 1	5/16/2005	
Montezuma	Great Lakes Energy Partners	31011232190000	Murray-Vitale 1	5/16/2005	
Chautauqua					
Busti	American Natural Resources, Inc.	31013240580000	Hitchcock Unit 1	2/25/2005	3/17/2005
Busti	Nornew, Inc.	31013240840000	Babyak 1-451	4/11/2005	7/24/2005
Busti	Nornew, Inc.	31013240850000	LaBarte 3-020	4/11/2005	7/17/2005
Busti	American Natural Resources, Inc.	31013240960000	Labarte 3	5/2/2005	5/20/2005
Busti	Nornew, Inc.	31013240980000	Keough 1-466	5/4/2005	8/17/2005
Busti	Nornew, Inc.	31013241490000	Eckstrom D 4-453	6/3/2005	8/25/2005
Busti	Seneca Resources Corp.	31013241840000	VanDewark 1 (37741)	7/13/2005	9/19/2005
Busti	Nornew, Inc.	31013242260000	Waite 1-449	8/16/2005	12/12/2005
Busti	Curtis & Son Oil, Inc.	31013243690000	Anderson 14	12/29/2005	3/25/2006
Busti	Curtis & Son Oil, Inc.	31013243700000	Anderson 15	12/29/2005	3/23/2006
Busti	Curtis & Son Oil, Inc.	31013243710000	Anderson 16	12/29/2005	3/29/2006
Busti	Curtis & Son Oil, Inc.	31013243720000	Anderson 17	12/29/2005	3/28/2006
Busti	Curtis & Son Oil, Inc.	31013243730000	Anderson 18	12/29/2005	3/27/2006
Carroll	Nornew, Inc.	31013240900000	Eckman 6-455	9/8/2005	11/14/2005
Carroll	American Natural Resources, Inc.	31013240970000	Ulrich Unit 1	5/3/2005	5/25/2005
Carroll	American Natural Resources, Inc.	31013241500000	Jackson 1	6/27/2005	
Carroll	American Natural Resources, Inc.	31013241500001	Jackson 1A	9/26/2005	11/20/2005
Carroll	Nornew, Inc.	31013242550000	LEBC 3-173	10/5/2005	11/21/2005
Carroll	American Natural Resources, Inc.	31013242720000	Kane, T 1	9/29/2005	
Carroll	American Natural Resources, Inc.	31013242730000	Kane 1	9/29/2005	11/15/2005
Carroll	American Natural Resources, Inc.	31013243100000	Kocur 1	11/9/2005	12/5/2005
Charlotte	Universal Resources Holdings , Inc	31013241660000	Smith Unit 3	6/27/2005	8/26/2005
Charlotte	Universal Resources Holdings , Inc	31013241670000	Spaulding Unit 4	6/27/2005	8/22/2005
Charlotte	Universal Resources Holdings , Inc	31013241680000	Gierlinger Unit 7	6/27/2005	8/15/2005
Charlotte	Universal Resources Holdings , Inc	31013241690000	Lapp Unit 5	7/1/2005	9/6/2005

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Chautauqua					
Charlotte	Universal Resources Holdings , Inc	31013241700000	Ulrich Unit 7	6/27/2005	8/30/2005
Charlotte	Universal Resources Holdings , Inc	31013242750000	Lapp 6	10/5/2005	12/6/2005
Charlotte	Universal Resources Holdings , Inc	31013242760000	Lapp 7	10/5/2005	12/1/2005
Charlotte	Universal Resources Holdings , Inc	31013242770000	Woncki 5	10/5/2005	2/28/2006
Charlotte	Universal Resources Holdings , Inc	31013242780000	Horton 1	10/5/2005	1/31/2006
Charlotte	Universal Resources Holdings , Inc	31013242790000	Horton 2	10/5/2005	2/14/2006
Charlotte	Universal Resources Holdings , Inc	31013242800000	Gierlinger 4	10/5/2005	12/21/2005
Charlotte	Universal Resources Holdings , Inc	31013242810000	Spaulding 2	10/5/2005	1/9/2006
Charlotte	Universal Resources Holdings , Inc	31013242820000	Wilson 4	10/5/2005	
Charlotte	Universal Resources Holdings , Inc	31013242820001	Wilson 4A	11/4/2005	12/30/2005
Charlotte	Universal Resources Holdings , Inc	31013242880000	Lapp 2	10/28/2005	1/14/2006
Charlotte	Universal Resources Holdings , Inc	31013242890000	Lapp 3	10/24/2005	1/20/2006
Charlotte	Universal Resources Holdings , Inc	31013242930000	Hoisington 8	11/10/2005	3/24/2006
Charlotte	Universal Resources Holdings , Inc	31013242940000	Hoisington 6	11/10/2005	12/15/2005
Charlotte	Universal Resources Holdings , Inc	31013242950000	Hoisington 2	11/10/2005	12/12/2005
Charlotte	Universal Resources Holdings , Inc	31013242960000	Penhollow 3	11/10/2005	2/8/2006
Charlotte	Universal Resources Holdings , Inc	31013242970000	Ames 1	11/10/2005	3/24/2006
Charlotte	Universal Resources Holdings , Inc	31013243070000	Lapp 4	11/15/2005	1/25/2006
Charlotte	Universal Resources Holdings , Inc	31013243080000	Ulrich 2	11/23/2005	3/7/2006
Charlotte	Universal Resources Holdings , Inc	31013243090000	Smith 6	11/23/2005	2/21/2006
Chautauqua	U S Energy Development Corp.	31013240800000	Sawynsky Unit 1	3/23/2005	3/30/2005
Clymer	Great Lakes Energy Partners	31013240530000	Rhodes R Unit 6	2/7/2005	8/5/2005
Clymer	Great Lakes Energy Partners	31013240540000	Caflisch E Unit 4	2/7/2005	
Clymer	Great Lakes Energy Partners	31013240540001	Caflisch E 4A	5/4/2005	
Clymer	Great Lakes Energy Partners	31013240550000	Legters I 2	2/2/2005	
Clymer	Great Lakes Energy Partners	31013240550001	Legters I 2A	8/9/2005	11/11/2005
Clymer	Great Lakes Energy Partners	31013240560000	Goldberg Unit 3	2/2/2005	
Clymer	Great Lakes Energy Partners	31013240560001	Goldberg Unit 3A	8/9/2005	12/22/2005
Clymer	Great Lakes Energy Partners	31013240920000	E. Caflisch 5	4/29/2005	
Clymer	Great Lakes Energy Partners	31013240920001	Caflisch, E 5A	11/14/2005	5/8/2006
Clymer	Great Lakes Energy Partners	31013241270000	Rhebergen 3	6/6/2005	
Clymer	Great Lakes Energy Partners	31013241270001	Rhebergen 3A	12/8/2005	12/5/2005
Clymer	Great Lakes Energy Partners	31013241280000	King H 2	5/31/2005	
Clymer	Great Lakes Energy Partners	31013241280001	King H 2A	12/15/2005	1/9/2006
Clymer	Nornew, Inc.	31013242640000	Wiggers 3-075	12/2/2005	
Ellicott	Hope's Windows Inc.	31013241000000	Hopes 1	5/31/2005	9/12/2005
Hanover	U S Energy Development Corp.	31013240280000	Cross 1	1/28/2005	2/23/2005
Hanover	U S Energy Development Corp.	31013240300000	Brennan Farms 1	3/14/2005	3/29/2005
Hanover	U S Energy Development Corp.	31013240760000	Hemphill 1	3/18/2005	3/28/2005
Hanover	U S Energy Development Corp.	31013240820000	Pietrzak Unit 1	3/24/2005	3/30/2005
Hanover	U S Energy Development Corp.	31013243350000	Hahn 1	11/23/2005	1/11/2006
Hanover	U S Energy Development Corp.	31013243360000	Brown 2	12/1/2005	12/27/2005

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Chautauqua					
Hanover	U S Energy Development Corp.	31013243370000	Ellis 1	11/23/2005	1/3/2006
Hanover	U S Energy Development Corp.	31013243380000	Brown 1	11/23/2005	12/13/2005
Hanover	U S Energy Development Corp.	31013243390000	Swanson 1	12/1/2005	3/2/2006
Hanover	U S Energy Development Corp.	31013243400000	Swanson 2	12/1/2005	3/3/2006
Hanover	U S Energy Development Corp.	31013243460000	Ruggiero 1	12/30/2005	1/24/2006
Hanover	U S Energy Development Corp.	31013243480000	Drzmala 1	12/22/2005	2/28/2006
Hanover	U S Energy Development Corp.	31013243490000	Parker 1	12/19/2005	1/30/2006
Hanover	U S Energy Development Corp.	31013243530000	Steiger 1	12/22/2005	2/7/2006
Hanover	U S Energy Development Corp.	31013243540000	Steiger 2	12/30/2005	2/15/2006
Hanover	U S Energy Development Corp.	31013243800000	Waterhouse 1	12/30/2005	
Hanover	U S Energy Development Corp.	31013243810000	Waterhouse 2	12/30/2005	
Harmony	Great Lakes Energy Partners	31013235630001	Christensen 2A	1/28/2005	3/3/2005
Kiantone	American Natural Resources, Inc.	31013240610000	Johnson 2	2/18/2005	2/28/2005
Kiantone	Nornew, Inc.	31013240630000	Cheney M&S 3-459	2/16/2005	7/5/2005
Kiantone	Nornew, Inc.	31013240640000	Brustrom 3-457	4/11/2005	8/2/2005
Kiantone	Nornew, Inc.	31013240830000	Lundmark/Snow 2-031	3/29/2005	6/25/2005
Kiantone	Nornew, Inc.	31013240910000	Eckman Lodestro 1-456	5/2/2005	8/12/2005
Kiantone	Nornew, Inc.	31013240990000	Eckman 7-468	5/4/2005	8/10/2005
Kiantone	Nornew, Inc.	31013242530000	Bently 1-469	9/9/2005	12/6/2005
Kiantone	Nornew, Inc.	31013242540000	Frankson 1-025	9/9/2005	11/22/2005
North Harmony	Great Lakes Energy Partners	31013235640001	NYSRA 2-1636A	5/2/2005	7/7/2005
Poland	Nornew, Inc.	31013235830001	Sleasman 2-013	5/31/2005	7/12/2005
Poland	American Natural Resources, Inc.	31013240620000	Mee Unit 3	2/25/2005	3/9/2005
Poland	American Natural Resources, Inc.	31013240750000	Marsh 1	3/21/2005	4/30/2005
Poland	American Natural Resources, Inc.	31013240860000	Searscrest 3	4/11/2005	5/14/2005
Poland	American Natural Resources, Inc.	31013240870000	Searscrest 4	4/11/2005	5/19/2005
Poland	Nornew, Inc.	31013242650000	Marsh 2-009	12/1/2005	12/23/2006
Poland	Nornew, Inc.	31013242660000	Marsh 3-010	12/1/2005	2/15/2006
Portland	Ellington Energy, Inc.	31013241780000	Morse Unit 1	7/1/2005	7/20/2005
Portland	Ellington Energy, Inc.	31013241790000	Horvath Unit 1	7/1/2005	8/4/2005
Portland	Ellington Energy, Inc.	31013241800000	Patterson Unit 1	7/1/2005	7/28/2005
Portland	Ellington Energy, Inc.	31013242980000	Horvath Unit 2	11/15/2005	1/27/2006
Portland	Ellington Energy, Inc.	31013242990000	Patterson Unit 2	11/15/2005	1/23/2006
Portland	Ellington Energy, Inc.	31013243000000	Patterson Unit 3	11/28/2005	2/1/2006
Sheridan	Cotton Well Drilling Co., Inc.	31013241890000	Munch 1	8/15/2005	8/25/2005
Westfield	U S Energy Development Corp.	31013240670000	Mason Unit 1	3/10/2005	3/30/2005
Westfield	U S Energy Development Corp.	31013240680000	Mason Unit 2	3/24/2005	3/30/2005
Chemung					
Big Flats	Fortuna Energy, Inc.	31015231820100	Andrews 1-A	4/29/2005	4/30/2005
Catlin	Fortuna Energy, Inc.	31015232000000	Schwingel 1	8/2/2005	10/22/2005
Elmira	Fortuna Energy, Inc.	31015231730200	Hartman 1-B	2/4/2005	2/17/2005
Erin	Chesapeake Appalachia, L.L.C.	31015231560100	Meade (625477) 1-A	4/4/2005	5/20/2005

Permits Issued During 2005

Town	Company	API Number	Well Name	Issue Date	Spud Date
Chemung					
Southport	East Resources, Inc.	31015231860000	Messing 1	2/14/2005	4/1/2005
Southport	East Resources, Inc.	31015231860100	Messing 1-A	6/23/2005	6/23/2005
Southport	Fortuna Energy, Inc.	31015231860200	Messing 1-B	8/2/2005	9/17/2005
Southport	Fortuna Energy, Inc.	31015232120000	Burns 1	5/23/2005	7/9/2005
Van Etten	Fortuna Energy, Inc.	31015232030000	Mallula 1	5/2/2005	5/21/2005
Veteran	Fortuna Energy, Inc.	31015232280000	Little 1	6/22/2005	7/21/2005
Chenango					
Smyrna	Nornew, Inc.	31017231620000	Anderson 1-447	7/18/2005	10/24/2005
Cortland					
Homer	Chesapeake Appalachia, L.L.C.	31023231760100	Frost 1-A	4/22/2005	4/22/2005
Erie					
Collins	U S Energy Development Corp.	31029240770000	Appleby Unit 1	3/18/2005	3/24/2005
Concord	U S Energy Development Corp.	31029240730000	Evans Unit 2	3/23/2005	3/24/2005
Concord	U S Energy Development Corp.	31029240780000	Deacon's Alliance 1	3/18/2005	3/24/2005
Concord	U S Energy Development Corp.	31029240790000	Deacon's Alliance 2	3/18/2005	3/24/2005
Concord	Eclipse Energy Company, LLC	31029241880000	Lopez 1	7/14/2005	9/19/2005
Newstead	Subsea Oil & Gas, Inc.	31029241530000	Miles 4	7/22/2005	8/23/2005
Sardinia	Ardent Resources, Inc.	31029236000001	Baker, R Unit 1A	11/14/2005	1/23/2006
Essex					
Ticonderoga	Fort Ticonderoga Association	31031236510000	Geothermal Test Well 01	9/2/2005	10/10/2005
Genesee					
Darien	United States Gypsum Co.	31037232340000	Reynolds 1	10/17/2005	11/7/2005
Darien	United States Gypsum Co.	31037238100000	Vaughn 1	11/7/2005	11/22/2005
Darien	United States Gypsum Co.	31037238110000	Willow Ridge Farms 1	11/7/2005	12/2/2005
Pembroke	Subsea Oil & Gas, Inc.	31037232290000	Cummings 3	6/30/2005	9/6/2005
Livingston					
Leicester	Akzo Nobel Salt, Inc.	31051231940000	0501	4/7/2005	4/11/2005
Leicester	Akzo Nobel Salt, Inc.	31051231950000	0502	4/20/2005	6/6/2005
Leicester	Akzo Nobel Salt, Inc.	31051231960000	0503	4/20/2005	5/6/2005
Leicester	Akzo Nobel Salt, Inc.	31051231970000	0504	7/8/2005	7/18/2005
Leicester	Akzo Nobel Salt, Inc.	31051231980000	0505	7/8/2005	7/27/2005
Leicester	Akzo Nobel Salt, Inc.	31051231990000	0506	4/20/2005	4/28/2005
Leicester	Akzo Nobel Salt, Inc.	31051232040000	0508	7/5/2005	9/27/2005
Leicester	Akzo Nobel Salt, Inc.	31051232050000	0509	7/5/2005	9/27/2005
Leicester	Akzo Nobel Salt, Inc.	31051232060000	0510	7/5/2005	8/16/2005
Leicester	Akzo Nobel Salt, Inc.	31051232070000	0511	7/5/2005	12/20/2005
Leicester	Akzo Nobel Salt, Inc.	31051232080000	0512	7/5/2005	12/21/2005
Leicester	Akzo Nobel Salt, Inc.	31051232090000	0507	7/5/2005	9/26/2005
Leicester	Akzo Nobel Salt, Inc.	31051616260000	0509-S	7/5/2005	8/9/2005
Madison					

Permits Issued During 2005

Town	Company	API Number	Well Name	Issue Date	Spud Date
Madison					
Lebanon	Nornew, Inc.	31053231270000	Wedge 4-334	6/20/2005	10/13/2005
New York					
Manhattan	The 1400 5th LLC	31061210910000	P-9	1/7/2005	2/22/2005
Manhattan	Mogul, Jess and Sharon	31061236570000	GEO-1	9/22/2005	1/26/2006
Onondaga					
Tully	Chesapeake Appalachia, L.L.C.	31067231660000	Van Patten (625473) 1	3/5/2005	3/10/2005
Schuyler					
Orange	Fortuna Energy, Inc.	31097232300000	Frost 1	8/1/2005	10/13/2005
Orange	Fortuna Energy, Inc.	31097238130000	Alletto 1	12/2/2005	12/21/2005
Reading	EOG Resources, Inc	31097231880000	Dixon 1	2/23/2005	4/23/2005
Reading	EOG Resources, Inc	31097232220000	Affeldt 1	7/7/2005	9/1/2005
Reading	EOG Resources, Inc	31097232230000	NNR 1	6/13/2005	7/25/2005
Reading	EOG Resources, Inc	31097232240000	Affeldt 2	7/7/2005	
Reading	EOG Resources, Inc	31097232250000	Estes 1	6/13/2005	8/20/2005
Reading	EOG Resources, Inc	31097232260000	Schiavone 2	6/13/2005	7/8/2005
Reading	EOG Resources, Inc	31097232310000	Kopp 1	7/19/2005	8/6/2005
Seneca					
Fayette	Great Lakes Energy Partners	31099231800000	Wessig-Freier 4	7/26/2005	
Fayette	Great Lakes Energy Partners	31099231810000	Wessig-Freier 6	7/26/2005	
Junius	Great Lakes Energy Partners	31099231310001	Brigham 1	12/21/2005	
Junius	Great Lakes Energy Partners	31099231780001	Serven 1	12/19/2005	3/2/2006
Junius	Great Lakes Energy Partners	31099231910000	Laird 2	1/26/2005	
Junius	Great Lakes Energy Partners	31099232100000	Laird 2	4/13/2005	
Steuben					
Bradford	Fortuna Energy, Inc.	31101231890000	Mayes 1	3/14/2005	6/25/2005
Caton	East Resources, Inc.	31101232110000	Dennis 1	7/7/2005	7/27/2005
Corning	Fortuna Energy, Inc.	31101231870100	Bauer 1-A	6/16/2005	6/13/2005
Corning	Fortuna Energy, Inc.	31101231900000	Stuart 1	6/9/2005	8/12/2005
Howard	Wyckoff Gas Storage Co., LLC	31101232010000	Knoll Test 1	3/31/2005	4/7/2005
Jasper	Wyckoff Gas Storage Co., LLC	31101238120000	Banks Observation Well 1	11/10/2005	11/1/2005
Prattsburg	Chesapeake Appalachia, L.L.C.	31101231720000	NiStock (625483) 1	3/24/2005	9/9/2005
Urbana	Eastern American Energy Corp.	31101231510100	McDaniels 1A	1/4/2005	1/1/2005
West Union	Richardson Petroleum Corp.	31101232130000	Edwards II 41	4/26/2005	7/12/2005
West Union	Richardson Petroleum Corp.	31101232140000	Edwards II 40	4/26/2005	7/18/2005
West Union	Richardson Petroleum Corp.	31101232150000	Edwards II 37	4/26/2005	6/30/2005
West Union	Richardson Petroleum Corp.	31101232160000	Edwards II 36	4/26/2005	7/7/2005
West Union	Richardson Petroleum Corp.	31101232170000	Edwards II 35	4/26/2005	6/27/2005
Tioga					
Owego	MegaEnergy Operating Inc.	31107231920000	Pimpinella 1	3/5/2005	6/21/2005
Owego	MegaEnergy Operating Inc.	31107231920100	Pimpinella 1-A	12/7/2005	12/11/2005
Owego	MegaEnergy Operating Inc.	31107231920101	Pimpinella 1-A	12/14/2005	12/19/2005

Permits Issued During 2005

Town	Company	API Number	Well Name	Issue Date	Spud Date
Tioga					
Spencer	Fortuna Energy, Inc.	31107231850000	Cotton-Hanlon 1	1/21/2005	2/27/2005
Tompkins					
Newfield	Chesapeake Appalachia, L.L.C.	31109229970300	Albanese 1-C	1/20/2005	2/9/2005
Wayne					
Galen	Chesapeake Appalachia, L.L.C.	31117231480100	Salerno 1-A	4/12/2005	4/27/2005
Westchester					
Greenburgh	New York City Dept. of Environm	31119236620000	KCT B-17	12/14/2005	1/31/2006
Greenburgh	New York City Dept. of Environm	31119236630000	KCT B-18	12/14/2005	1/27/2006
Mount Pleasant	New York City Dept. of Environm	31119236640000	KCT B-21	12/14/2005	3/30/2006
New Rochelle	New York City Dept. of Environm	31119236590000	KCT B-11	12/14/2005	1/13/2006
Ossining	Ossining Public Library	31119236480000	W1	7/18/2005	9/1/2005
Ossining	Ossining Public Library	31119236490000	W2	7/18/2005	8/25/2005
Ossining	Ossining Public Library	31119236500000	W3	7/18/2005	8/16/2005
Yonkers	New York City Dept. of Environm	31119236600000	KCT B-14	12/14/2005	2/23/2006
Yonkers	New York City Dept. of Environm	31119236610000	KCT B-15	12/14/2005	3/14/2006
Wyoming					
Bennington	United States Gypsum Co.	31121242870000	Unsel 2	10/19/2005	11/15/2005
Bennington	United States Gypsum Co.	31121243050000	Sczepanski, A&D 3	11/10/2005	5/18/2006
Covington	Lenape Resources, Inc.	31121240250001	Bowman L 2-1A	1/20/2005	2/5/2005
Covington	Lenape Resources, Inc.	31121240510000	Clark H Unit 1 Well 1	1/21/2005	2/1/2005
Covington	Lenape Resources, Inc.	31121240520000	Bow Hill Farms Well 1	1/21/2005	1/27/2005
Gainesville	Morton International, Inc.	31121241510000	Morton Salt A-3	6/9/2005	9/27/2005
Gainesville	Morton International, Inc.	31121241520000	Morton Salt A-4	6/9/2005	10/5/2005
Middlebury	Occidental Chemical Corp	31121240690000	Hooker 135	3/11/2005	6/2/2005
Middlebury	Occidental Chemical Corp	31121240700000	Hooker 136	3/11/2005	5/14/2005
Middlebury	Occidental Chemical Corp	31121240710000	Hooker 153	3/11/2005	4/27/2005
Middlebury	Occidental Chemical Corp	31121240720000	Hooker 154	3/11/2005	5/5/2005
Middlebury	Texas Brine Company, LLC	31121241130000	Texas Brine 90	6/7/2005	9/26/2005
Middlebury	Texas Brine Company, LLC	31121241140000	Texas Brine 89	6/7/2005	9/14/2005
Middlebury	Texas Brine Company, LLC	31121241150000	Texas Brine 88	6/7/2005	9/2/2005
Middlebury	Texas Brine Company, LLC	31121241160000	Texas Brine 97	5/31/2005	8/26/2005
Middlebury	Texas Brine Company, LLC	31121241170000	Texas Brine 49	5/31/2005	8/1/2005
Middlebury	Texas Brine Company, LLC	31121241180000	Texas Brine 46	5/31/2005	7/20/2005

Drilled Wildcats and Field Extensions, 2005

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Broome County								
Fenton	Chesapeake Appalachia, L.L.C.	31007230780200	Olson 1-B	9,508	1/23/2005	GE	Ballyhack Creek	Black River
Cayuga County								
Scipio	Hensoil, Inc.	31011231580000	Carter 1	6,140	3/17/2005	GW	Not Applicable	Black River
Venice	Hensoil, Inc.	31011231570000	Rejman 1	6,234	1/14/2005	GW	Not Applicable	Black River
Chemung County								
Big Flats	Fortuna Energy, Inc.	31015231820000	Andrews 1	9,657	4/26/2005	GE	Not Applicable	Black River
Big Flats	Fortuna Energy, Inc.	31015231820100	Andrews 1-A	9,657	6/1/2005	GE	Not Applicable	Black River
Catlin	Fortuna Energy, Inc.	31015230170100	Hammond 1-A	9,418	2/3/2005	GE	Not Applicable	Black River
Elmira	Fortuna Energy, Inc.	31015231730100	Hartman 1-A	10,616	1/5/2005	GW	Not Applicable	Black River
Elmira	Fortuna Energy, Inc.	31015231730200	Hartman 1-B	10,363	3/11/2005	GW	Not Applicable	Black River
Erin	Chesapeake Appalachia, L.L.C.	31015231560100	Meade (625477) 1-A	10,126	6/18/2005	GE	Not Applicable	Black River
Erin	Chesapeake Appalachia, L.L.C.	31015231790000	Wholeben 1 (625519)	10,085	2/1/2005	GW	Not Applicable	Black River
Southport	East Resources, Inc.	31015231860000	Messing 1	11,025	6/18/2005	GW	Not Applicable	Black River
Southport	East Resources, Inc.	31015231860100	Messing 1-A	11,700	7/2/2005	GE	Not Applicable	Black River
Southport	Fortuna Energy, Inc.	31015231860200	Messing 1-B	10,905	10/4/2005	GE	Not Applicable	Black River
Southport	Fortuna Energy, Inc.	31015232120000	Burns 1	11,102	8/4/2005	GW	Cleveland Hill	Black River
Van Etten	Fortuna Energy, Inc.	31015232030000	Mallula 1	9,562	9/17/2005	GW	Not Applicable	Black River
Veteran	Fortuna Energy, Inc.	31015232280000	Little 1	9,461	10/30/2005	GW	Veteran Hill	Black River
Chenango County								
Smyrna	Nornew, Inc.	31017231620000	Anderson 1-447	3,997	10/30/2005	GW	Not Applicable	Oneida
Cortland County								
Homer	Chesapeake Appalachia, L.L.C.	31023231760000	Frost 1 (625474)	6,619	4/20/2005	GW	Not Applicable	Black River
Homer	Chesapeake Appalachia, L.L.C.	31023231760100	Frost 1-A	6,911	4/28/2005	GW	Not Applicable	Little Falls

Drilled Wildcats and Field Extensions, 2005

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Madison County								
Lebanon	Nornew, Inc.	31053231270000	Wedge 4-334	3,488	10/18/2005	GE	Not Applicable	Oneida
Onondaga County								
Tully	Chesapeake Appalachia, L.L.C.	31067231660000	Van Patten (625473) 1	6,684	3/24/2005	GW	Not Applicable	Black River
Schuyler County								
Orange	Fortuna Energy, Inc.	31097232300000	Frost 1	8,647	12/19/2005	GW	Howland Hill	Black River
Reading	EOG Resources, Inc	31097231880000	Dixon 1	5,599	5/2/2005	GE	Lodi	Queenston
Reading	EOG Resources, Inc	31097232220000	Affeldt 1	5,500	9/8/2005	GW	Lodi	Queenston
Reading	EOG Resources, Inc	31097232230000	NNR 1	5,382	8/3/2005	GW	Not Applicable	Queenston
Reading	EOG Resources, Inc	31097232250000	Estes 1	5,520	8/26/2005	GW	Lodi	Queenston
Reading	EOG Resources, Inc	31097232260000	Schiavone 2	5,022	7/19/2005	GW	Lodi	Queenston
Reading	EOG Resources, Inc	31097232310000	Kopp 1	5,307	8/17/2005	GE	Lodi	Queenston
Steuben County								
Bradford	Fortuna Energy, Inc.	31101231890000	Mayes 1	9,399	8/7/2005	GW	Oak Hill	Black River
Caton	East Resources, Inc.	31101232110000	Dennis 1	11,850	9/2/2005	GW	Not Applicable	Black River
Corning	Fortuna Energy, Inc.	31101231870000	Bauer 1	10,022	3/18/2005	GW	Not Applicable	Black River
Corning	Fortuna Energy, Inc.	31101231870100	Bauer 1-A	10,123	6/17/2005	GW	Not Applicable	Black River
Corning	Fortuna Energy, Inc.	31101231900000	Stuart 1	9,841	10/5/2005	GW	Not Applicable	Black River
Hornby	Fortuna Energy, Inc.	31101231550000	Behm 1	10,071	1/31/2005	GW	Not Applicable	Black River
Prattsburg	Chesapeake Appalachia, L.L.C.	31101231720000	NiStock (625483) 1	7,673	10/7/2005	GW	Not Applicable	Black River
Urbana	Eastern American Energy Corp.	31101231510100	McDaniels 1A	8,026	1/11/2005	GW	Not Applicable	Black River
Tioga County								
Owego	MegaEnergy Operating Inc.	31107231920000	Pimpinella 1	10,763	12/8/2005	GW	Not Applicable	Black River
Owego	MegaEnergy Operating Inc.	31107231920100	Pimpinella 1-A	10,870	12/18/2005	GW	New Field Wildcat	Black River
Owego	MegaEnergy Operating Inc.	31107231920101	Pimpinella 1-A	10,855	12/23/2005	GW	New Field Wildcat	Black River

Drilled Wildcats and Field Extensions, 2005

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Tioga County								
Spencer	Fortuna Energy, Inc.	31107231850000	Cotton-Hanlon 1	10,230	6/14/2005	GW	Not Applicable	Black River
Tompkins County								
Newfield	Chesapeake Appalachia, L.L.C.	31109229970300	Albanese 1-C	8,793	2/26/2005	GW	Not Applicable	Black River
Wayne County								
Galen	Chesapeake Appalachia, L.L.C.	31117231170000	Hughes 3	2,658	3/8/2005	GE	Pangburn	Trenton
Galen	Chesapeake Appalachia, L.L.C.	31117231480000	Salerno (625475) 1	3,909	2/21/2005	GE	Not Applicable	Black River
Galen	Chesapeake Appalachia, L.L.C.	31117231480100	Salerno 1-A	3,533	5/11/2005	GE	Pangburn	Black River
Galen	Columbia Natural Resources LLC	31117616200000	Salerno 1-S	550	2/16/2005	GE	Not Applicable	Not Applicable

**New York State
Oil, Gas
and
Mineral Resources
2005
Appendix 2– Mined Land Data**

**New York State
Department of Environmental Conservation
Division of Mineral Resources
625 Broadway
Albany, New York 12233-6500**

www.dec.state.ny.us



George E. Pataki, Governor

Denise M. Sheehan, Commissioner

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Mine Commodities 2005 C-1

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Albany						
Coeymans	P & M Brick LLC	40251	Coeymans Clay Mine	1/10/2005	Renewal	21.9
Guilderland	K & C Grading Co Inc	40809	Charles Desch Pit	7/20/2005	Modification	5.2
Allegany						
Angelica	West Almond, Town of	90724	Gosper Gravel Pit	10/31/2005	Renewal	1.0
Cuba	A L Blades & Sons Inc	90947	Smith Gravel Pit	6/27/2005	New	8.7
Hume	H & F Farms	90621	Harris Clay Mine	9/28/2005	Renewal	2.5
Hume	Hinz, Bruce	90944	Hinz Gravel Mine	6/21/2005	New	3.5
Hume	Hume, Town of	90946	Stone Spring Mine	7/27/2005	New	5.0
New Hudson	New Hudson, Town of	90629	Wakefield Gravel Pit	9/20/2005	Renewal	3.3
Ward	Borer, John	90714	Belmont Gravel Pit	5/16/2005	Modification	5.0
Broome						
Barker	F S Lopke Contracting Inc	70394	Whitney Point Mine	2/10/2005	Renewal	102.0
Lisle	Donenko Stone & Gravel	70050	Howland Farm Mine	9/22/2005	Modification	14.5
Sanford	Devonian Stone Of New York Inc	70830	Amendola Bluestone Quarry	6/1/2005	Modification	10.0
Sanford	Kamp, Fannie E	70783	Frank Kamp Quarry - Boskett Road	12/12/2005	Modification	15.0
Windsor	Frank X Kamp Trust	70846	Frank Kamp Town Line Quarry	12/12/2005	Modification	5.0
Windsor	Madden, William	70884	Old Bronson Lot Quarry	7/19/2005	New	3.2
Windsor	RPC Resources LLC	70787	Myers Mine	5/1/2005	Renewal	8.3
Windsor	Star Stone Quarries Inc	70883	Cascade Valley Quarry	6/3/2005	New	4.5
Windsor	Story, Alice Faye	70561	Story And Sons Mine #1 - Mountain R	7/7/2005	Renewal	4.0
Cattaraugus						
Carrollton	Duffy Inc & Caskey, James J	90516	Caskey Sand And Gravel Mine	6/27/2005	Renewal	5.0
Dayton	Country Side Sand & Gravel Inc	90676	Wesley Gravel Pit	6/27/2005	Modification	1.0
Dayton	Smith, Mark & Laurel	90584	Cottage Lime And Peat	8/26/2005	Modification	3.0
Farmersville	Buffalo Crushed Stone Inc	90677	Farmersville Operation/ Phase 1	8/29/2005	Renewal	146.0
Freedom	Borer, John Dba/ Edel-Rock	90715	John Borer Gravel Pit	10/5/2005	Renewal	5.0
Freedom	Gernatt Asphalt Products Inc	90465	Borer Property	4/6/2005	Modification	22.0
Hinsdale	Shaffer, E Ross	90312	Shaffer Pit	12/8/2005	Renewal	5.2
Hinsdale	Shaffer, E Ross	90312	Shaffer Pit	2/8/2005	Renewal	5.2
Leon	Country Side Sand & Gravel Inc	90669	Youngs Road North Gravel Pit	12/30/2005	Modification	4.0
Machias	Machias, Town of	90303	Machias Gravel Pit #1	5/13/2005	Renewal	13.0
Machias	Ungermann Excavating Inc	90658	Mapes Machias Mine	10/4/2005	Renewal	24.0

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Cattaraugus						
Napoli	Napoli, Town of	90713	Town Barns Gravel Pit	3/29/2005	Renewal	9.0
Persia	Country Side Sand & Gravel Inc	90667	Simmons Pit	6/27/2005	Renewal	6.0
Portville	Moran, William R.	90942	Moran Gravel Mine	8/22/2005	New	2.5
Yorkshire	D & H Materials, Inc.	90666	McKinstry Pit	7/18/2005	Modification	2.5
Yorkshire	Glacial Aggregates LLC	90663	Delevan Mine	4/1/2005	Modification	53.0
Cayuga						
Genoa	Cayuga Crushed Stone Inc	70391	Reeves Mine	9/22/2005	New	12.1
Chautauqua						
Arkwright	Fairbanks, Douglas L	90573	Putnam Road Gravel Mine	5/13/2005	Modification	10.0
Arkwright	Kozlowski, G Thomas	90708	Gravity Hill Rocks And Gravel	5/12/2005	Renewal	4.0
Carroll	Tri-James Services Inc	90411	Cameron Mine	12/23/2005	Modification	12.0
Charlotte	Tri-James Services Inc	90635	Merle Goot Gravel Mine	9/19/2005	Modification	10.0
Hanover	Gernatt Asphalt Products Inc	90611	Notaro Gravel Pit	2/22/2005	Renewal	4.0
Harmony	Tri-James Services Inc	90642	Neil Gravel Mine	10/4/2005	Modification	13.0
Pomfret	Longhouse Estate Inc.	90025	Longhouse Estate Inc. Pit	4/19/2005	Modification	5.0
Sheridan	Smith, Robert W.	90664	Legrano/Smith	6/27/2005	Modification	2.0
Westfield	Bittinger, Joseph Jr	90712	Bittinger #2	5/12/2005	Renewal	4.0
Chemung						
Big Flats	Elmira / Corning Regional Airport	80694	Elmira/Corning Airport Mine	6/10/2005	Modification	52.0
Catlin	Catlin, Town of	80297	Turner Creek	9/1/2005	Renewal	2.0
Chemung	Bailey, Paul R	80184	Bailey S & G	1/11/2005	Renewal	2.5
Chemung	Bailey, Paul R	80184	Bailey S & G	9/20/2005	Modification	2.5
Chemung	Calvin C Cole Inc	80306	Calvin Cole Pit	7/15/2005	Renewal	9.0
Horseheads	Narde Paving Co Inc	80705	Pall/Buch Pit	1/26/2005	Modification	30.2
Southport	Southport, Town of	80507	Southport Gravel Mine	10/11/2005	Modification	8.0
Veteran	Vanderhoff, Leslie J	80580	Middle Road Mine	11/1/2005	Renewal	4.0
Chenango						
Afton	Warren's Farm	70885	Warren's Farm Sand and Gravel Rte 7	9/6/2005	New	12.8
Oxford	Kilmer, Cecil	70804	Oxford	5/19/2005	Renewal	15.0
Sherburne	Adsit, Robert C	70880	County Route 23 Mine	5/23/2005	New	3.0
Clinton						
Ausable	Black Brook, Town of	50786	Palmer Hill Rd.Pit	8/19/2005	Renewal	8.0

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Clinton						
Beekmantown	Beekmantown, Town of	50403	T. of Beekmantown Gravel Mine	4/21/2005	Renewal	6.0
Black Brook	Maicus, Sidney G	50732	Maicus Sawmill Pit	10/27/2005	Renewal	6.0
Ellenburg	Therian, Frederick	50965	Therrian Sand Mine	5/12/2005	New	3.0
Mooers	Mooers, Town of - Highway Dept	50762	Cedar Inn Pit	10/20/2005	Renewal	5.0
Peru	Rushford, Douglas d/b/a/ Rushford	50951	Peasleeville Road Pit	3/30/2005	New	5.0
Plattsburgh	Beekmantown, Town of	50899	Beekmantown Sand Pit	11/2/2005	Renewal	3.0
Saranac	Lashway, John	50901	Lashway Sand Pit	12/12/2005	Renewal	4.0
Schuyler Falls	R Hogan Excavating LLC	50905	Hudson Sand Pit	11/7/2005	Renewal	5.0
Columbia						
Ancram	Double D Development LLC	40537	Bryant Mine NYS 82	5/17/2005	Modification	20.0
Claverack	Seymour Development Inc	40052	Seymour Development Pit	2/23/2005	Renewal	16.7
Cortland						
Cincinnatus	German, Town of	70799	Paul Perkins Gravel Mine	6/3/2005	Renewal	7.0
Cortlandville	Economy Paving Co Inc	70128	Compagni Pit -	2/14/2005	Renewal	10.0
Homer	Burhans, Paul & Joyce	70332	Burhans Pit - West Scott Road	3/22/2005	Renewal	6.0
Homer	E-Z Acres Materials, Inc.	70630	E-Z Acres	1/7/2005	Modification	30.0
Willet	Turshman, Alfred	70788	Turshman Mine #1 - Beach Road/Nys	8/18/2005	Renewal	9.5
Delaware						
Colchester	Damtown Stone & Drilling Inc	40834	Mahoney Quarry	4/21/2005	New	5.0
Delhi	Burton F Clark Inc	40555	Elk Creek Road Mine	4/25/2005	Renewal	18.6
Hamden	Clark Companies	40749	Ploutz Gravel Mine	11/18/2005	Renewal	30.0
Masonville	Star Stone Quarries Inc	40818	Sidney Quarry	3/7/2005	New	5.0
Middletown	Hoeko, John N	40761	Vly Resources	8/28/2005	Renewal	5.0
Sidney	Wakeman, Robert J	40811	Wakeman's Sidney #1 Gravel Mine	3/28/2005	New	6.2
Tompkins	Hatch, Timothy	40830	Franskevicz Bluestone Authorization	9/18/2005	Renewal	1.0
Walton	Beerston Stone Products Inc	40822	Route 10 (Neff) gravel Bank	9/9/2005	New	10.6
Walton	Devonian Stone Of New York Inc	40742	Marvin Hollow Quarry	8/9/2005	Renewal	6.0
Dutchess						
Amenia	Liberty Bell Trucking Co Inc	30277	Pressmar Mine	10/3/2005	Renewal	13.0
Amenia	Richard Allen Sand & Gravel	30048	Allen Sand Pit	7/20/2005	Renewal	15.0
Dover	Danny Fortune & Co Inc	30617	Dover Industrial Park	8/23/2005	Renewal	5.0
Dover	Holback, Ian	30558		12/16/2005	Renewal	6.8

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Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Dutchess						
Dover	Keller Brothers Sand & Gravel	30275	Dover Site	7/22/2005	Modification	18.0
Dover	Keller Brothers Sand & Gravel	30505	Pond Site	9/7/2005	Renewal	7.0
Dover	Palumbo Sand & Gravel Inc	30100		9/16/2005	Modification	89.0
Dover	Vincent, Walter A	30056		5/4/2005	Renewal	43.0
Fishkill	Jo-Mo Realty Corp	30350	Carey Road Sand & Gravel Bank	5/10/2005	Renewal	7.5
Fishkill	Thalle Industries Inc	30069		1/14/2005	Modification	45.5
Fishkill	West Hook Sand And Gravel,Inc.	30079	West Hook Sand And Gravel Mine	2/3/2005	Modification	118.3
Rhinebeck	Von Der Leith, J.D. & Sons Inc.	30137		3/10/2005	Renewal	22.0
Stanford	Layton, Myron	30260	Stanfordville Pit	10/19/2005	Renewal	18.0
Union Vale	Verbank Hunting And Fishing Clu	30605		4/12/2005	Renewal	12.0
Washington	Route 82 Sand & Gravel	30021	Rt. 82 Sand & Gravel Mine	12/16/2005	Renewal	82.8
Erie						
Concord	Holmes & Murphy Inc	90125	Gentner Pit	1/28/2005	Renewal	31.0
Concord	Russo Development, Inc.	90472	Sibley Road Pit	10/18/2005	Modification	10.0
Elma	Lafarge North America Inc	90614	Elma Gravel Mine	10/28/2005	Renewal	15.0
Lancaster	Buffalo Crushed Stone Inc	90018	Wehrle/Barton Quarry	3/14/2005	Modification	600.0
Sardinia	Gernatt Asphalt Products Inc	90502	Gabel/Thomas Site	5/12/2005	Renewal	80.0
Essex						
Lewis	Elizabethtown, Town of	50772	Elizabethtown Sand & Gravel Pit	11/1/2005	Renewal	5.0
Lewis	Graymont Materials (NY) Inc	50639	Hale Hill Mine	10/20/2005	Modification	9.0
Lewis	Morse, James R	50700	Morse Mine	5/25/2005	Renewal	7.0
North Elba	Saranac Lake Inc., Village of	50311	Will Rogers Pit	10/24/2005	Renewal	4.0
North Hudson	North Hudson, Town of	50745	Highway Pit	4/27/2005	Renewal	5.0
Willsboro	Sheehan, James	50784	Sheehan Mine	7/21/2005	Renewal	12.0
Willsboro	Sheehan, John Jr	50866	Sheehan Mine	1/4/2005	Renewal	2.0
Franklin						
Brandon	Brandon, Town of	50685	Harrington Road Pit	11/7/2005	Renewal	7.0
Brandon	Graymont Materials (NY) Inc	50358	Egan Pit	1/5/2005	Renewal	11.0
Constable	Byler, Erin M	50858	Byler Gravel Pit	6/20/2005	New	10.0
Fort Covington	Fort Covington, Town of	50878	Quain Road Sand Pit	11/7/2005	Renewal	5.0
Santa Clara	Bay Pond Condominium	50543	Stone Ledge Pit	5/11/2005	Modification	3.0
Fulton						

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Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Fulton						
Ephratah	Palatine, Town of	50766	Don Baker Sand And Gravel Pit #1	10/4/2005	Modification	14.0
Johnstown	Delaney Crushed Stone Products In	50515	Delaney Development Pit	2/25/2005	Renewal	13.0
Johnstown	Johnstown, Town of	50975		12/20/2005	New	6.0
Mayfield	Timber Tech Construction (John W	50586	Winney's Park	10/21/2005	Modification	10.9
Genesee						
Bethany	A D Call & Sons Excavating & Tru	80624	Torrey Pit	4/29/2005	Renewal	8.0
Bethany	A D Call & Sons Excavating & Tru	80624	Torrey Pit	4/29/2005	Renewal	8.0
Darien	Burkhardt, James	80585	Burkhardt Pit	1/11/2005	Modification	7.5
Darien	Burkhardt, James	80585	Burkhardt Pit	10/19/2005	Renewal	7.5
Darien	Burkhardt, James	80585	Burkhardt Pit	10/19/2005	Renewal	7.5
Le Roy	Dolomite Products Company Inc	80439	Circular Hill Quarry	5/18/2005	Renewal	52.0
Greene						
Athens	Athens Properties LLC	40381	Valley Road Pit	11/10/2005	Modification	7.0
Coxsackie	Grande Stone Quarry, LLC	40319	High Hill Shale Pit	8/30/2005	Modification	18.0
Durham	Buoniconto, Richard	40676	Durham Sand And Gravel	5/27/2005	Modification	13.6
Hunter	Bates, Craig	40578	Craig Bates Trucking & Excavating Pit	6/28/2005	Modification	7.7
Hamilton						
Indian Lake	Marion River Carry Railroad Comp	50931	Pohl Pit # 1	1/14/2005	New	4.0
Long Lake	Long Lake, Town of	50268	Cemetery Pit	11/4/2005	Renewal	1.0
Herkimer						
Litchfield	Ferdula Gravel Products Inc	60090	Ilion Gorge Pit	7/8/2005	New	14.6
Norway	Folnsbee, Earl	60815	Hurricane Road Pit	7/14/2005	Modification	25.0
Norway	P & W Forestry Products Inc	60647	Sand Pit	5/2/2005	Renewal	17.0
Russia	Weakley, Brett	60883	Grenier Mine	5/5/2005	Renewal	13.0
Schuyler	Juliano Sand & Gravel	60567	Tripple Pit	10/5/2005	Renewal	10.0
Schuyler	Ritter & Paratore Contracting Inc	60980	Schuyler Resource Recovery Center	9/6/2005	Renewal	9.0
Jefferson						
Adams	Bendwell, Bob	60293	Hough Mine	11/1/2005	Renewal	5.5
Alexandria	Fitzsimmons, Michael	60717	Fitzsimmons Quarry	1/25/2005	Renewal	8.5
Antwerp	Antwerp, Town of	60627	Town Pit	6/1/2005	Modification	40.0
Champion	Brady, Bernard	60736		8/9/2005	Renewal	7.0
Champion	Cranesville Aggregate Companies I	60874	West Carthage Site	2/23/2005	Renewal	29.1

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Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Jefferson						
Champion	Murcrest Farms LLC	60697	Switzer Road Mine	5/17/2005	Renewal	2.0
Champion	Tug Hill Construction Inc	60227	Kellogg Pit	1/3/2005	Modification	73.6
Clayton	Carlisle, Stub & Son	60084	Crystal Springs Road Site	5/3/2005	Renewal	22.7
Ellisburg	Bauer Concrete and Masonry Inc.	61055	Bauer Gravel Mine	10/18/2005	New	9.5
Ellisburg	Ellensburg, Town of	60899	Bettinger Mine	12/14/2005	Renewal	22.0
Ellisburg	R.G. King Construction, Inc.	60971	Thomas Mine	2/3/2005	Renewal	4.9
Henderson	Rural Hill Sand & Gravel	60628	Quarry	5/18/2005	Modification	26.9
Leray	Fort Drum Mountain Community	61038	Fort Drum Sand Pit	5/19/2005	New	26.0
Leray	Fort Drum Mountain Community	61038	Fort Drum Sand Pit	10/7/2005	Modification	26.0
Leray	G & J Trucking	60996	Meeks Pit	11/15/2005	Renewal	18.8
Rutland	John Vespa Inc	60168	Felts Mills Pit	5/17/2005	Renewal	60.0
Watertown	Ives Construction Co	60523	Rices Road	4/5/2005	Modification	4.7
Watertown	John Vespa Inc	60087	Overlook Drive Quarry	4/20/2005	Renewal	40.0
Wilna	Tug Hill Construction Inc	60877	Thomas Mine 2	3/17/2005	Renewal	15.1
Lewis						
Diana	Pierce, Carl D	60791	Leonard Pit	9/26/2005	Renewal	1.5
Harrisburg	Tug Hill Construction Inc	61039	Widrick Shale Pit	4/11/2005	New	4.9
Harrisburg	Tug Hill Construction Inc	61040	Long Shale Mine	4/5/2005	New	4.9
Lowville	Tug Hill Construction Inc	61041	Burke Shale Mine	4/5/2005	New	4.9
Lyonsdale	Lyonsdale, Town of	60827	Poore Mine	12/14/2005	Renewal	14.6
Lyonsdale	O'Brien Brothers	60681	River Road Mine	3/31/2005	Renewal	4.0
Lyonsdale	West Turin, Town of	60772	Fisher Pit	1/26/2005	Modification	17.4
Martinsburg	Delaney Construction, Inc.	61049	Knollman Pit	9/19/2005	Modification	7.3
Martinsburg	Delaney Construction, Inc.	61050	Nortz Pit	9/19/2005	Modification	9.0
Martinsburg	Delaney Construction, Inc.	61052	Beyers Mine	9/19/2005	New	9.0
Martinsburg	Lyndaker Excavating & Trucking	61049	Knollman Pit	9/19/2005	New	7.3
Martinsburg	Lyndaker Excavating & Trucking	61050	Nortz Pit	9/19/2005	New	9.0
New Bremen	Lyndaker Excavating & Trucking	60688	Walseman Site	9/7/2005	Modification	39.1
New Bremen	New Breman, Town of	60024	Lehman Pit	1/26/2005	Modification	16.4
New Bremen	New Breman, Town of	60707	Lyndacker Site	1/24/2005	Modification	21.0
Pinckney	Deer River Ranch Inc	61057	Deer River Ranch Gravel Pit	9/21/2005	New	2.0
Turin	Lewis County Highway Dept	60985	Ehlers Mine	6/17/2005	Renewal	9.0

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Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Livingston						
Caledonia	Valley Sand & Gravel Inc	80005	Scottsville Plant	3/2/2005	Modification	174.5
Lima	Hanson Aggregates New York Inc	80030	Rochester Plant	5/5/2005	Renewal	289.3
Lima	Lima, Town of - Highway Dept	80012	Mroczek Pit	5/4/2005	Renewal	11.0
Portage	Portage, Town of	80268	Town Of Portage Pit	2/25/2005	Renewal	7.8
Sparta	Sparta, Town of	80755	Town Of Sparta Gravel Pit	7/28/2005	Renewal	13.4
Madison						
Lebanon	Lebanon, Town of	70888	Corbin Gravel Pit	7/11/2005	New	5.0
Lincoln	Callanan Industries Inc	70017	Oxbow Quarry	6/7/2005	New	91.0
Monroe						
Sweden	Callanan Industries, Inc. d/b/a Iroq	80042	Brockport Quarry	1/12/2005	Renewal	261.1
Montgomery						
St Johnsville	Hanson Aggregates New York Inc	40224	St. Johnsville	12/22/2005	Renewal	12.5
Niagara						
Lockport	Bewley, Robert C Jr - MKB Inc	90627	Wilson Road West Sand Pit	6/27/2005	Renewal	7.0
Royalton	Redland Quarries NY Inc	90016	Gasport Plant	11/30/2005	Modification	124.0
Oneida						
Ava	Tkachuk, Tom	61042	Tkachuk Sand & Gravel	6/6/2005	New	31.4
Ava	Tkachuk, Tom	61042	Tkachuk Sand & Gravel	8/9/2005	Modification	31.4
Lee	Harvey, Gary	60286	Brookfield Road Mine	9/14/2005	Modification	36.0
Remsen	Harvey Sand & Gravel	60964	Remsen Mine	4/5/2005	Renewal	10.8
Remsen	Steuben, Town of	60512	Gloria Jones Pit	8/31/2005	Renewal	5.0
Rome	Adirondack Stone Products Ltd	60966	Wilson Road Mine	2/16/2005	Renewal	7.0
Rome	Aikens Construction Of Rome Inc	60200	Gifford Road Pit	1/13/2005	Modification	49.0
Rome	Morrison, John F	60192	Reber Road Pit	11/29/2005	Modification	55.0
Rome	Schillaci, Frank	60374	West Thomas Street Site	9/7/2005	Renewal	4.0
Rome	Universal Gravel Corp.	60281	Rossi Pit	7/14/2005	Renewal	4.0
Steuben	Steuben County	60643	Clawson Pit	2/4/2005	Renewal	8.3
Vernon	Lanz Construction Inc	60509	Marble Rd. Gravel Pit	5/30/2005	Renewal	7.0
Vienna	Vienna, Town of	60592	Dixon Road Pit	7/28/2005	Renewal	9.0
Western	Alliance Paving Materials Inc	60976	Warcup Sand & Gravel	5/20/2005	Renewal	14.0
Onondaga						
Dewitt	Hanson Aggregates New York Inc	70058	Jamesville Quarry	9/21/2005	Modification	939.0

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Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Onondaga						
Fabius	T H Kinsella Inc	70594	Dwyer Gravel Bed, Oran-Delphi Road	2/1/2005	Renewal	15.0
Skaneateles	Smith, Donald J	70161	Smith Pit- Stump Road	11/1/2005	Renewal	20.0
Ontario						
Bristol	Drayn, Robert	80275	Lower Egypt Road	3/28/2005	Renewal	2.4
Manchester	Dolomite Products Company Inc	80043	Manchester Quarry	2/15/2005	Renewal	161.6
Manchester	Outlet Road LLC	80410	Manchester Pit	3/29/2005	Modification	11.1
Naples	Wohlschlegel Construction Co. Inc.	80631	Wohlschlegel Pit	9/26/2005	Renewal	7.0
Phelps	Dendis Sand & Gravel Inc	80760	Cress Road	7/13/2005	Modification	32.8
Phelps	Elam Sand & Gravel Corp	80037	Oaks Corners Pit	5/4/2005	Renewal	89.9
Phelps	Hanson Aggregates New York Inc	80009	Phelps Mine	5/10/2005	Modification	239.4
Phelps	Seneca Meadows Inc	80763	Bostwick Road Surface Mine	5/4/2005	Renewal	14.3
Phelps	Syracuse Sand & Gravel LLC	80634	Lake Road Pit	9/21/2005	Renewal	73.6
Phelps	Syracuse Sand & Gravel LLC	80634	Lake Road Pit	9/21/2005	Modification	73.6
Victor	Hanson Aggregates New York Inc	80050	Victor Mine	1/5/2005	Modification	149.8
West Bloomfield	Elam Sand & Gravel Corp	80138	Conn Road Mine	6/20/2005	Renewal	54.7
West Bloomfield	Elam Sand & Gravel Corp	80428	West Bloomfield Mine	5/26/2005	Modification	95.8
West Bloomfield	Elam Sand & Gravel Corp	80428	West Bloomfield Mine	8/10/2005	Modification	95.8
West Bloomfield	Parrish, Wayne N	80246	Olmstead Pit	11/21/2005	Renewal	22.0
Orange						
Chester	Slate Hill Sand & Gravel Inc	30002	Chester Operation	4/5/2005	Renewal	79.0
Chester	Slate Hill Sand & Gravel Inc	30002	Chester Operation	4/5/2005	Modification	79.0
Deerpark	Monticello Blacktop Corp	30283	Rio Pit	8/12/2005	Renewal	14.0
Deerpark	Peenpack Sand & Gravel	30279	Peenpack Sand & Gravel Mine	3/9/2005	Renewal	9.2
Goshen	Gurda Gardens Ltd	30019		7/27/2005	Renewal	13.5
Montgomery	Mehlon Trucking	30195		11/21/2005	Modification	18.1
Wallkill	Chester Industrial Park Assoc Lp	30091	Tarbell Rd. East	10/19/2005	Renewal	49.0
Wallkill	Danza Group XIV LLC	30567	Wallkill Park West	5/13/2005	Renewal	9.0
Wawayanda	AAA Sod Farms Inc	30548		7/8/2005	Modification	30.0
Orleans						
Barre	Keeler Construction Co Inc	80047	Pine Hill Pit	7/20/2005	Renewal	14.5
Barre	Keeler Construction Co Inc	80498	Nesbit Pit	6/3/2005	Renewal	1.2
Barre	Waste Management of New York L	80098	Mix Road GP-6	12/20/2005	Renewal	38.0

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Orleans						
Clarendon	Kenyon, Roy M	80597	Hard Times Gravel Pit	12/27/2005	Renewal	5.2
Clarendon	Warco Equipment Co., Inc.	80127	New Guinea	3/3/2005	Renewal	37.9
Murray	Shampine, Mark	80502	Shampine Pit	11/18/2005	Renewal	5.0
Ridgeway	Keeler Construction Co Inc	80046	Fruit Ave Pit	3/30/2005	Renewal	15.9
Ridgeway	Keeler Construction Co Inc	80046	Fruit Ave Pit	3/30/2005	Renewal	15.9
Shelby	Shelby Crushed Stone, Inc.	80346	Medina	5/20/2005	Modification	88.1
Oswego						
Albion	Oswego County DPW	70434	Mattison Pit	5/13/2005	Renewal	13.0
Albion	Richland, Town of	70191	Albion Pit	8/11/2005	Renewal	13.0
Amboy	North Country Concrete & Block I	70887	Finnerty Road Mine	12/8/2005	New	12.0
Boylston	Killenbeck, Donald	70796	Beaver Meadows Mine	8/9/2005	Renewal	4.9
Constantia	Constantia, Town of	70116	Roosevelt Road Mine	4/20/2005	Renewal	18.0
Constantia	West Monroe, Town of	70294	Trach Gravel Pit	5/13/2005	Renewal	15.0
Granby	Gilbert, Luc	70592	Shestax Pit - Co. Rt. 3	11/22/2005	Renewal	3.0
Granby	Hildreth, Allen R	70860	Welch	2/10/2005	New	12.7
Granby	Syracusa Sand & Gravel Corp	70465	Granby Mine, County Route 85	3/25/2005	Renewal	36.0
Hannibal	Hannibal, Town of	70775	Phillips Mine - Co. Rt. 85	10/18/2005	Modification	5.4
Hastings	Brown Excavating Co Inc	70821	Hastings Gravel	11/2/2005	Renewal	39.0
Hastings	Hastings, Town of	70859	County Route 38 Gravel Pit	1/26/2005	New	6.0
Hastings	Weaver, Robert L	70189	Pit #2- Rt.11	8/17/2005	Renewal	20.0
Orwell	Orwell, Town of	70665	Orwell Pit #2, Co. Rt 22 North	1/20/2005	Renewal	9.0
Palermo	Bresnahan, Robert	70818	Roberta Rice Mine	4/20/2005	Modification	3.8
Palermo	Syracuse Sand & Gravel LLC	70469	Bradshaw Rd. Pit (Formerly Green Min	3/8/2005	Modification	14.0
Part	Coffin, Robert E	70445	Coffin Farm Pit #1 -Co. Rt. 48 & Cobb	10/27/2005	New	5.0
Redfield	Oswego County DPW	70439	Redfield Stone Quarry	5/13/2005	Renewal	4.0
Schroepfel	Bates Gravel Bed Inc	70305	Bates Bed	9/19/2005	Renewal	28.0
Schroepfel	Sitterly Estates LLC	70745	Smith Mining Pit - Hurlbutt Road	7/26/2005	Renewal	1.0
Scriba	Oswego County DPW	70059	Scriba Mine	5/13/2005	Renewal	9.0
Volney	Northern Aggregates Inc	70721	Fitch/Old Lady Mine	4/20/2005	Renewal	32.0
Volney	Oswego County DPW	70361	Phol Pit - County Route 45	12/8/2005	Renewal	11.0
West Monroe	Brown Excavating Co Inc	70803	Hildreth - Bisbo Mine	5/27/2005	Modification	14.9
Williamstown	Farmer, Kenneth R	70470	Lover's Lane Mine	4/20/2005	Renewal	11.0

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Otsego						
Hartwick	Scott Ubner Excavating Inc.	40832	Ubner Mine	11/10/2005	New	3.2
Middlefield	Kiser, Arthur	40689	Rt. 166 Pit	7/18/2005	Modification	26.1
Oneonta	Clark Companies	40831	Henderson Gravel Mine	4/21/2005	New	8.0
Pittsfield	Dye, Charles Jr, Estate of	40694	Rt. 80 Pit	1/19/2005	Modification	5.0
Pittsfield	Seward Sand & Gravel Inc	40597	Hoffman Gravel Mine	6/22/2005	Modification	24.4
Unadilla	Smith, Erwin	40805	Erwin Smith Gravel Bank	1/5/2005	New	5.8
Putnam						
Patterson	Patterson Materials Corp	30042	Patterson Quarry	7/19/2005	Renewal	55.8
Philipstown	Lyons, Harold	30254	Lyons/Weisman Mine	12/1/2005	Renewal	11.3
Rensselaer						
Brunswick	Callanan Industries Inc	40031	Cropseyville Quarry	6/23/2005	Modification	76.0
East Greenbush	Edison Paving Corp	40322	Onderdonk Ridge Pit	3/7/2005	Modification	12.6
Poestenkill	Polaro Construction Co Inc	40841	Polaro Construction Co Inc Mine	10/26/2005	New	4.7
Sand Lake	Dahl, John W. & Eric M.	40838	Dahl Property Mine	6/16/2005	New	6.0
Sand Lake	Rifenburg Construction Inc	40137	Hoffay Farm Pit	12/21/2005	Modification	61.4
Schaghticoke	Wag Truck Sales Inc	40542	Brown Road Bank	1/5/2005	Renewal	5.0
Schaghticoke	Warren W Fane Inc	40283	Perry Pit /Route 40	6/20/2005	Modification	70.5
Saratoga						
Greenfield	Peckham Materials Corp.	50265	Coy Rd Pit	8/18/2005	Modification	103.9
Greenfield	Pompa Bros Inc	50263	Coy Rd Pit	6/29/2005	Modification	102.5
Hadley	Smead, David T.	50929		10/24/2005	Renewal	9.7
Halfmoon	Constantine Construction & Farm I	50383	Halfmoon Pit	4/9/2005	Modification	33.7
Halfmoon	CP Landmark Ltd / Linda Kakulski	50910	HM Mine	5/27/2005	New	17.0
Halfmoon	Troy Sand & Gravel Co Inc	50714	Bailey Farm Pit	10/1/2005	Modification	23.0
Halfmoon	William M Larned & Sons Inc	50340	Kakulski Site	9/16/2005	Renewal	9.5
Malta	Perlman, Robert	50969	Perl Pit	5/10/2005	New	2.0
Moreau	Barden, Christopher M	50607	Barden Topsoil Mining	7/19/2005	Modification	5.0
Moreau	Finch Pruyn & Co Inc	50742	Smith Farm Mine	4/28/2005	Renewal	23.0
Moreau	Glens Falls Lehigh Cement Co	50021	Quarry	11/7/2005	Modification	149.0
Northumberland	Morning Star Excavating Inc	50892		7/13/2005	Renewal	9.0
Providence	Troy Topsoil Co Inc	50479	Providence Bank	7/14/2005	Modification	20.0
Wilton	Legacy Builders LLC	50710	Janet Shaw Pit	9/14/2005	Modification	17.4

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Schenectady						
Glenville	Cranesville Aggregate Companies I	40150	Plant 5	3/8/2005	Renewal	118.0
Glenville	Cranesville Aggregate Companies I	40452	Fox Farm Bank	6/20/2005	Renewal	8.0
Schoharie						
Carlisle	Chichester, Everett R. , Jr.	40635	Hunt Carlisle Shale Mine	3/14/2005	Modification	6.0
Cobleskill	Cobleskill Stone Products Inc	40077	Cobleskill Quarry	1/5/2005	Renewal	110.0
Conesville	Eric J Dahlberg Construction Inc	40829	Manor Kill Mine	5/25/2005	New	6.6
Conesville	Rion, James E.	40837	Rion Gravel Bank	6/24/2005	New	5.0
Gilboa	Platterkill Sand & Gravel, Inc.	40481	Platterkill Gravel Mine	7/5/2005	Modification	9.6
Schoharie	Cobleskill Stone Products Inc	40094	Schoharie Quarry	11/1/2005	Renewal	86.0
Seward	Seward, Town of - Highway Dept	40176	Brumaghim Pit	3/25/2005	Renewal	7.0
Schuyler						
Cayuta	Hanson Aggregates Brd	80766	Cayuta Mine	10/25/2005	Renewal	54.0
Seneca						
Junius	Seitz Farms Inc	80690	Seitz Farms	11/15/2005	Renewal	6.0
St. Lawrence						
Brasher	Brasher, Town of	61044	Burnell-Bush Road Pit	6/21/2005	New	4.5
Brasher	Curran Logging Inc	60945	County Route 37 Mine # 2	11/28/2005	Renewal	74.0
Colton	Colton, Town of	60558	Raquette Valley Fish & Game Club Min	11/9/2005	Renewal	47.8
Edwards	French, Wayne	60876	Pit # 2	2/3/2005	Renewal	3.8
Fine	Fine, Town of	60080	Crackerbox Road Pit	4/12/2005	Renewal	6.0
Fine	Fine, Town of	60828	Javall Mine	9/26/2005	Renewal	9.2
Gouverneur	Blair, Ronald L	60905	Wells Mine	5/12/2005	Modification	2.5
Gouverneur	Burritt, Daniel W	60905	Wells Mine	5/12/2005	Renewal	2.5
Lisbon	Bowdish, James or Patricia	61056	Murphy Road Sand Pit	10/19/2005	New	2.8
Lisbon	McBath, Hollis	60422	Tuck Road	6/2/2005	Renewal	17.0
Norfolk	Curran Logging Inc	60114	Larue Pit	9/26/2005	Renewal	15.6
Parishville	Adon Farms	60969	Chapel Hill Road Mine	3/2/2005	Renewal	4.5
Parishville	Graymont Materials (NY) Inc	60033	Potsdam Stone And Concrete	2/3/2005	Renewal	119.0
Parishville	Graymont Materials (NY) Inc	60910	Parishville Bank	8/2/2005	Modification	18.0
Piercefield	Mitchell, Paul	60757	Gale Pit	10/6/2005	Renewal	4.4
Piercefield	Piercefield, Town of	61019	Piercefield gravel pit	11/22/2005	New	5.0
Pierrepont	Appl Resources Inc	60977	Deans Corners	11/21/2005	Renewal	18.2

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
St. Lawrence						
Potsdam	Graymont Materials (NY) Inc	60612	Niagara Mohawk Sandstone Pit	9/26/2005	Renewal	4.0
Stockholm	Cockayne, Stephen J	61036	Rocking C Sand and Topsoil Mine	1/26/2005	New	5.0
Stockholm	Stockholm Sand & Gravel, LLC	60979	East Part Mine	6/21/2005	Renewal	26.2
Stockholm	Stockholm, Town of	61045	County Route 47 Pit	8/2/2005	New	10.0
Steuben						
Addison	Addison, Town of	80163	Addison Gravel Pit	3/24/2005	Renewal	21.0
Bath	Bath, Town of	80444	Chamberlain Pit	7/7/2005	Renewal	15.0
Bath	Dalrymple Gravel & Contracting C	80815	Murphy Farm Pit	2/18/2005	New	4.4
Bath	Knight Settlement Sand & Gravel	80013	Bath Pit	7/26/2005	Modification	148.3
Bath	Steuben County DPW	80001	Conrad Pit	11/23/2005	Renewal	27.0
Bradford	NYS DEC Bath	80817	Birdseye Hollow - Aulls Road	11/22/2005	New	2.3
Cameron	Buck Excavation & Gravel, LLC	80717	Buck Excavation & Gravel Pit	6/23/2005	Modification	5.0
Cameron	Cameron, Town of	80759	County Rte 22 Gravel Pit	9/26/2005	Renewal	10.0
Campbell	Campbell, Town of	80751	Town Of Campbell Gravel Pit	12/7/2005	Renewal	7.5
Campbell	Campbell, Town of	80751	Town Of Campbell Gravel Pit	12/7/2005	Renewal	7.5
Campbell	Dalrymple Gravel & Contracting C	80796	Smith Gravel Mine	3/30/2005	New	77.6
Canisteo	Canisteo, Town of - Highway Dept	80347	Colonel Bills Creek	12/29/2005	Modification	4.5
Corning	Crystal Valley Farm	80661	Crystal Valley Fram	8/15/2005	Renewal	8.0
Corning	Dalrymple Gravel & Contracting C	80026	East Corning Pit	9/2/2005	Renewal	50.0
Corning	Rhinehart Sand & Gravel Inc	80380	Steele Pit	12/1/2005	Renewal	31.0
Erwin	Addison, Town of	80584	Wade Gravel Mine	7/6/2005	Renewal	22.0
Erwin	Dalrymple Gravel & Contracting C	80769	Smith Hill Road Pit	3/30/2005	Modification	93.7
Erwin	Glenn O Hawbaker Inc	80527	Scudder Mine - Indian Hills Road	1/11/2005	Renewal	41.1
Fremont	Fremont, Town of	80147	Wendall Jones Pit	9/1/2005	Renewal	10.0
Fremont	Fremont, Town of	80608	Hendee Pit	10/21/2005	Renewal	16.0
Rathbone	Rathbone, Town of	80174	Rathbone Pit	3/24/2005	Renewal	17.9
Rathbone	Rathbone, Town of	80480	Saunders Road Pit	3/24/2005	Renewal	7.5
Thurston	Thurston, Town of	80715	Yost Road	9/2/2005	Renewal	10.0
West Union	West Union, Town of	80684	Reed Sampson	12/27/2005	Renewal	14.0
Suffolk						
Brookhaven	Coram Materials Corp	10098	Coram Materials	8/18/2005	Renewal	216.0
Brookhaven	Coram Materials Corp	10098	Coram Materials	8/20/2005	Modification	216.0

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Suffolk						
Brookhaven	Sparrow Mining Of Suffolk LLC	10060	Sparrow Mining	3/16/2005	Renewal	88.0
Huntington	West Hills Silica Sand Mining Cor	10001	110 Sand Co.	6/29/2005	Modification	121.0
Riverhead	Calverton Industries LLC	10104	Calverton Industries	5/17/2005	Renewal	41.0
Riverhead	NF Development, LLC	10119	Olde Vine Golf Club	2/15/2005	New	3.0
Smithtown	Saint James Development Corp.	10120	Hamlet Estates at Saint James	7/8/2005	New	10.7
Southampton	East Coast Mines Ltd	10020	East Coast Mines	8/1/2005	Renewal	75.0
Southampton	Sand Farm Corporation	10028	Sand Farm Corporation	4/1/2005	Modification	59.0
Southampton	Sand Farm Corporation	10028	Sand Farm Corporation	7/29/2005	Renewal	59.0
Sullivan						
Bethel	Mongaup Valley Sand & Gravel In	30039		11/18/2005	Modification	12.4
Fallsburgh	Krum & Sons Inc	30448	Mccosco Property	4/28/2005	Renewal	5.2
Mamakating	D B Roe Enterprises	30640	Reinhardt Farm	7/25/2005	New	12.0
Mamakating	Dick's Concrete Co Inc	30226	Spring Glen	2/2/2005	Renewal	25.0
Mamakating	JML Quarries Inc	30007	Masten Lake Mine	10/21/2005	Renewal	136.1
Thompson	Monticello Blacktop Corp	30051		6/14/2005	Renewal	28.0
Tioga						
Barton	Barton, Town of - Highway Depart	70204	Town Of Barton - Chapel Road	2/1/2005	Modification	17.0
Candor	Van Etten, Martin R.	70878	Martin Van Etten Mine	3/25/2005	New	6.6
Owego	Barney And Dickenson Inc	70856	Truman Pit	3/14/2005	New	27.0
Owego	Steen, Roger	70874	Steen Mine	6/29/2005	New	1.5
Richford	Berkshire, Town of - Highway Dep	70877	Town of Berkshire Pit #2	10/28/2005	New	0.3
Tioga	F S Lopke Contracting Inc	70655	Schoonover	12/22/2005	Renewal	31.0
Tompkins						
Newfield	Newfield Gravel Corporation	70747	Newfield Mine - Off NYS Route 13	6/13/2005	Modification	29.0
Ulster						
Hardenburgh	Beaverkill Realty Corp	30447	Davis Road Quarry	11/28/2005	Renewal	4.0
Kingston	Lund, L Allen	30550		9/7/2005	Renewal	4.0
Marbletown	Mombaccus Estates Ltd	30606	Peak Road Shale Mine	11/1/2005	Renewal	8.3
Plattekill	Advanced Excavating & Landscapi	30633		1/12/2005	New	4.8
Plattekill	Hansen, Arnold	30547		9/7/2005	Renewal	16.0
Rochester	Bill Lyons Crusher Sales Inc	30261	Doug Rd. Shale Mine	6/21/2005	Renewal	4.0
Rochester	Metro Recycling & Crushing Inc	30466	Rock Mt. Farm - Queens Hgwy.	5/10/2005	Renewal	20.5

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Ulster						
Saugerties	AMA Farms	30347	Ama Farms Mine	10/7/2005	Renewal	2.3
Saugerties	Glens Falls Lehigh Cement Co	30328	Rothe Shale Quarry	11/18/2005	Renewal	7.2
Shawangunk	Watchtower Bible & Tract Society	30243	Birch Rd.	9/20/2005	Renewal	11.0
Wawarsing	Lurock LLC	30639	Lurock	6/23/2005	New	9.0
Warren						
Chester	Hayes, Bradford	50889	Cooper Gravel Mine	10/6/2005	Renewal	3.1
Johnsburg	J. H. Schrade Ent. Inc.	50418	Bateman Pit	8/19/2005	Renewal	2.0
Johnsburg	Morin, Leon	50970		11/3/2005	New	1.3
Lake Luzerne	Lake Luzerne, Town of	50414	Transfer Station Pit	10/6/2005	Modification	19.7
Thurman	Thurman, Town of	50845		12/1/2005	Modification	4.0
Washington						
Cambridge	Easton, Town of	50480	Bott Gravel Bed	8/18/2005	Renewal	3.0
Dresden	Richard Dedrick Trucking	50819	Dedrick's Dresden Station Sand Pit	1/6/2005	Renewal	2.2
Fort Ann	D A Collins Construction Co Inc	50531	Pattens Mills Pit	8/19/2005	Renewal	9.0
Fort Ann	Markie, Ronald	50794	Deweys Bridge Quarry	8/15/2005	Modification	2.8
Fort Edward	WCC, LLC	50912		11/2/2005	Modification	25.5
Greenwich	Boyce, William and Juanita	50972	Wilbur Ave Pit	12/19/2005	New	34.6
Hartford	Washington Co. Dept. Of Public W	50761	Wash. Co. Solid Wst. Mgt Facility	1/14/2005	Renewal	2.0
Hebron	Parzych, Sandra	50744		2/9/2005	Renewal	4.9
Salem	Hebron, Town of	50904		9/16/2005	Renewal	4.8
Salem	Jameson, Ronald S.	50757	Coles Gravel Bank	2/2/2005	Renewal	3.0
Salem	Peabody-Bates Inc	50473	Salem Bank	8/19/2005	Renewal	9.0
Salem	Salem Sand and Gravel	50458		11/10/2005	Modification	4.5
Salem	Salem, Town of	50446	Town Of Salem Sand & Gravel Pit	8/16/2005	Renewal	15.0
Whitehall	Davis, Dwight A	50967	Indian River Red Slate Quarry	3/3/2005	New	5.0
Whitehall	North Country Stone Inc	50962	Quarry #1 and #2	5/10/2005	New	5.8
Wayne						
Arcadia	Graf Art Inc	80152	Art Graf, Inc. Mine	5/13/2005	Renewal	5.6
Butler	Bond, Kenneth E	80531	Doty Pit	7/7/2005	Renewal	19.2
Butler	Hanson Aggregates New York Inc	80606	Butler Plant	3/8/2005	Renewal	55.4
Galen	Arliss Sand & Gravel	80424	Arliss Sand And Gravel	11/7/2005	Modification	20.0
Galen	David Fisk Jr.	80688	M & J Gravel Pit	12/21/2005	Renewal	4.0

Mined Land Permits Issued During 2005

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Wayne						
Galen	Galen, Town of	80412	McLoed Site	4/1/2005	Renewal	14.0
Huron	Wayne County Highway Dept	80686	Lummisville Road, C.R.155	7/22/2005	Renewal	9.6
Macedon	Macedon, Town of	80103	Macedon Pit	5/12/2005	Renewal	17.0
Macedon	Pulcini, Walter J	80323	Pulcini Gravel Mine	1/6/2005	Renewal	17.8
Palmyra	Morrison Excavating Inc	80677	Canal Town Park	9/13/2005	Renewal	7.5
Rose	Wayne County Highway Dept	80465	Bacon Pit	12/9/2005	Renewal	28.0
Walworth	Dolomite Products Company Inc	80022	Walworth Quarry	9/26/2005	Renewal	162.1
Wyoming						
Attica	Attica Sand & Gravel Inc	90299	Attica Sand And Gravel, Inc.	7/12/2005	Renewal	13.0
Attica	Merle, Douglas C	90574	Merle Gravel Pit	10/24/2005	Renewal	3.0
Attica	Pembroke Sand & Gravel Inc	90618	Attica - Rt. 98 Site	6/9/2005	Renewal	5.0
Middlebury	A D Call & Sons Excavating & Tru	90628	Dill Brothers Pit	10/3/2005	Renewal	3.0
Pike	Robb, Donald Sr	90482	Robb Gravel Pit	12/2/2005	Modification	22.0
Wethersfield	Wethersfield, Town of	90523	Jacoby Gravel Pit	5/19/2005	Renewal	2.0
Yates						
Jerusalem	Jerusalem, Town of	80100	Guyanoga Road	9/2/2005	Renewal	28.8
Potter	Potter, Town of	80083	Town Of Potter Gravel Pit	3/28/2005	Renewal	19.5
Starkey	Perry, David	80205	Former Spence Pit	12/21/2005	Renewal	5.0
Torrey	Hansen, Tim	80229	Hansen Pit	9/12/2005	Renewal	22.8

Mines With Final Reclamation During 2005

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Albany						
Westerlo	Salzer, Joseph Jr	40574	Carriage Way Rt. 85 Shale Mine	Shale	10/5/2005	5.0
Allegany						
Alfred	Buffalo Crushed Stone Inc	90051	Alfred Station Sand And Gravel Plant	Sand and Gravel	6/24/2005	80.0
Caneadea	Caneadea, Town of	90668	Genesee River Bar Mine	Sand and Gravel	8/23/2005	5.2
Cuba	Lakestone Development Inc	90934	Cuba VFW Borrow Pit	Sand and Gravel	10/3/2005	4.0
Hume	Allegany County DPW	90591	Fillmore Rush Creek Gravel Bars	Sand and Gravel	11/19/2005	10.9
Hume	Hume, Town of	90039	Hume Town Pit #2	Sand and Gravel	4/28/2005	5.0
New Hudson	Lyndon, Town of	90579	Shafer Gravel Pit	Sand and Gravel	6/3/2005	5.0
Broome						
Windsor	Star Stone Quarries Inc	70861	Damascus #1 Flagstone	Bluestone	5/31/2005	5.0
Cattaraugus						
Allegany	Ungermann Excavating Inc	90064	Birch Run Pit	Sand and Gravel	6/21/2005	28.0
Cayuga						
Moravia	Economy Paving Co Inc	70172	O'Toole's Mine	Sand and Gravel	12/5/2005	6.0
Sennett	Robinson Concrete Inc	70779	Peters Mine	Sand and Gravel	8/24/2005	8.0
Chautauqua						
Charlotte	L W Parker Enterprises Inc	90228	Parker #2	Sand and Gravel	8/16/2005	12.0
Poland	Whippo, Paul A Db a Eckman Excavati	90079	Area Gravel Products	Sand and Gravel	7/7/2005	6.0
Portland	Jordan, Michael & Trenholm	90456	Webster Road Mine	Sand and Gravel	12/31/2005	7.0
Westfield	Laportedale Farms (Partnership)	90551	Laportdale Farms Mine	Sand and Gravel	9/15/2005	7.0
Chemung						
Catlin	A L Blades & Sons Inc	80807	Easling Mine	Sand and Gravel	6/30/2005	4.9
Chenango						
German	German, Town of	70080	Joseph Randall Mine - Cross Road	Shale	8/3/2005	3.0
Greene	Hawkins' Manufactured Housing Inc	70397	Greene Pit	Sand and Gravel	6/14/2005	5.0
Oxford	Hollings, Walter Jr	70817	Hollings Bluestone Quarry	Bluestone	7/1/2005	7.0
Clinton						
Champlain	Racine, Allen J	50780	Racine Gravel Mine	Sand and Gravel	8/16/2005	5.0
Plattsburgh	Luck Bros Inc	50936	Champagne Pit	Sand and Gravel	12/7/2005	2.0

Mines With Final Reclamation During 2005

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Clinton						
Plattsburgh	Nor-Co Concrete Inc	50016	Nor-Co Concrete, Inc.	Sand and Gravel	7/24/2005	28.0
Columbia						
Austerlitz	My Sister's Garden, Inc.	40726	My Sisters Garden, Inc.	Sand and Gravel	10/5/2005	3.0
Chatham	Chatham, Town of	40416	Thruway Pit	Sand and Gravel	10/5/2005	3.0
Cortland						
Marathon	Marathon, Village of	70743	Hunts Creek Gravel Mine - East Main St	Sand and Gravel	1/31/2005	1.0
Dutchess						
Dover	Judson, Thomas E	30140		Sand and Gravel	5/24/2005	8.0
East Fishkill	Hosner Mountain Sand & Stone Co	30068		Sand and Gravel	9/8/2005	28.0
Union Vale	Verbank Hunting And Fishing Club Inc	30605		Sand and Gravel	9/12/2005	12.0
Essex						
Crown Point	Crown Point, Town of	50235	Mackay Pit	Sand and Gravel	6/16/2005	3.0
Minerva	Minerva, Town of	50178		Sand and Gravel	7/26/2005	7.5
Moriah	Antonetti, Jeffrey C	50791	Antonetti Pit	Sand and Gravel	10/18/2005	3.0
Ticonderoga	Armstrong, Patrick	50792	South Ti Sand And Gravel Pit	Sand and Gravel	10/4/2005	9.4
Westport	Westport, Town of	50748	Town of Wesport landfill cover mine	Sand and Gravel	11/16/2005	2.0
Wilmington	Essex County Highway Dept	50213	Crowley Pit	Sand and Gravel	5/25/2005	4.0
Fulton						
Johnstown	Callanan Industries Inc	50004	Gloversville Mine	Sand and Gravel	4/27/2005	5.0
Genesee						
Darien	B Pariso Transport Inc	80486	Palmer Pit	Sand and Gravel	6/16/2005	20.0
Le Roy	Northrup, James	80767	Route 19 Pit	Sand and Gravel	11/14/2005	4.5
Herkimer						
Litchfield	Construction Materials Inc	60963	Albany Road Mine	Sand and Gravel	5/11/2005	9.0
Jefferson						
Rutland	Vespa, James V.	60965	Garvin Topsoil Mine	Topsoil	10/5/2005	9.3
Lewis						
Harrisburg	Tug Hill Construction Inc	61039	Widrick Shale Pit	Shale	12/30/2005	4.9
Harrisburg	Tug Hill Construction Inc	61040	Long Shale Mine	Shale	12/30/2005	4.9

Mines With Final Reclamation During 2005

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Lewis						
Lowville	Lowville, Town of	61028	Willow Grove Pit	Sand and Gravel	7/29/2005	2.9
Lowville	Tug Hill Construction Inc	61041	Burke Shale Mine	Shale	12/30/2005	4.9
Lyonsdale	West Turin, Town of	60594		Sand and Gravel	8/9/2005	9.0
West Turin	West Turin, Town of	60593	Goodhines Pit	Sand and Gravel	7/21/2005	7.0
Madison						
Brookfield	Brookfield, Town of	70758	Whitacre Home Farm - Beaver Creek Ro	Sand and Gravel	12/13/2005	6.0
Lincoln	Lincoln, Town of	70207	Lincoln Gravel Bed - Buyea Road	Sand and Gravel	8/4/2005	4.0
Montgomery						
St Johnsville	Rifenburg Construction Inc	40240	Moyer Pit	Sand and Gravel	6/15/2005	26.0
Niagara						
Wheatfield	National Conservation Corp	90373	Wheatfield Lakes	Clay	7/28/2005	134.0
Onondaga						
Camillus	Syracuse Pottery Inc	70044	Clay Mine	Clay	12/2/2005	2.0
Ontario						
Farmington	Eastern Sand & Gravel Inc	80529	Herendeen Gravel Pit	Sand and Gravel	4/8/2005	20.0
Victor	Hogan, Marvin E	80193	Saxby Pit	Sand and Gravel	9/21/2005	35.0
Orange						
Crawford	Vespo Marketing Associates,Inc.	30553	Vespo Marketing Sand And Gravel Mine	Sand and Gravel	10/17/2005	9.0
Hamptonburgh	Maybrook Materials Inc	30120	Neelytown Rd. Mine	Dolostone	6/13/2005	25.0
Middletown	Kosuga, Pauline	30508		Sand and Gravel	10/4/2005	4.0
Saratoga						
Hadley	Smead, David T.	50929		Topsoil	6/30/2005	9.7
Saratoga	Saratoga County DPW	50038	Sararoga County Gravel Pit	Sand and Gravel	6/20/2005	6.0
Stillwater	T D N I Properties	50868		Sand and Gravel	1/7/2005	5.0
Wilton	Morris, William J	50277	Meadowbrook Mine	Sand and Gravel	10/11/2005	6.0
Schuyler						
Hector	Arcangeli, Marjorie	80668	Arcangeli's Gravel Mine	Sand and Gravel	7/12/2005	13.3
St. Lawrence						
Lisbon	Tug Hill Construction Inc	60988	Pike Mine	Sand and Gravel	12/30/2005	9.1

Mines With Final Reclamation During 2005

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
St. Lawrence						
Parishville	Parishville, Town of	60382	Picketville Pit	Sand and Gravel	8/8/2005	2.0
Pitcairn	Diana, Town of	60902	Hall Mine	Sand and Gravel	6/8/2005	5.0
Stockholm	Green Island Construction Co Inc	60960	Rutley Old Market Road Mine	Sand and Gravel	9/1/2005	11.0
Stockholm	J E Sheehan Contracting Corp	60896	Rotunde	Sand and Gravel	7/7/2005	24.1
Suffolk						
Brookhaven	AvalonBay Communities Inc	10110	The Village Of The Fairways	Sand and Gravel	10/7/2005	5.0
Brookhaven	Frowein Road LLC	10112	Frowein Road Llc	Sand and Gravel	3/1/2005	6.0
Brookhaven	Mt.Sinai Associates, LLC	10111	The Hamlet At Willow Creek	Sand and Gravel	9/27/2005	17.0
Brookhaven	Roanoke Sand & Gravel Corp	10062	Roanoke Sand And Gravel (Yaphank Sit	Sand and Gravel	2/8/2005	9.0
Smithtown	Izzo, Alex And Anthony	10114	Izzo Pit	Sand and Gravel	10/18/2005	4.0
Southampton	Southampton, Town of	10096	Town Of Southhampton	Sand and Gravel	4/11/2005	10.0
Southold	Southold, Town of	10087	Town Of Southhold (old)	Sand and Gravel	11/15/2005	8.0
Southold	Southold, Town of	10113	Town of Southold (New)	Sand and Gravel	1/4/2005	12.0
Sullivan						
Fallsburgh	Fallsburg, Town of	30581	Hasbrouck Dr. Gravel Mine	Sand and Gravel	9/14/2005	10.0
Fallsburgh	Scheinman, Robert DbA Woodbourne L	30453	Gold And Brock Property Ny Rte 42 Fall	Sand and Gravel	6/6/2005	8.0
Mamakating	Mamakating, Town of	30608	Town Park Mine Cr 171	Sand and Gravel	9/14/2005	2.5
Tioga						
Barton	Porter's Concrete Service Inc	70557	Blanket St. (Pit #3),	Sand and Gravel	10/18/2005	12.0
Tompkins						
Newfield	Jenney, Leroy C	70677	Mazourek Pit - NYS Route 13	Sand and Gravel	7/7/2005	4.0
Ulster						
Rochester	Togar Estates (A New York Partnership	30472		Sand and Gravel	10/21/2005	2.0
Saugerties	Myer, David	30408	S.Berzal Property Rte 212	Shale	6/23/2005	1.0
Shawangunk	Watchtower Bible & Tract Society of N	30227	Shale Mine	Shale	5/27/2005	3.0
Wawarsing	Mccombs Sand & Gravel	30303		Sand and Gravel	8/4/2005	2.0
Warren						
Hague	Hague, Town of	50304	Carney Pit	Sand and Gravel	9/1/2005	8.0
Lake George	Lake George, Village of	50843		Sand and Gravel	9/26/2005	6.0

Mines With Final Reclamation During 2005

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Washington						
Argyle	Howard Burch Construction	50135	Harrington	Sand and Gravel	9/29/2005	10.0
Cambridge	Cambridge, Town of	50930		Sand and Gravel	6/27/2005	4.0
Cambridge	Peabody-Bates Inc	50569	Duell Hollow Bank	Sand and Gravel	9/9/2005	10.0
Greenwich	Tracy Materials Inc	50941	Boehringer Pit	Sand and Gravel	10/4/2005	2.0
Wyoming						
Castile	Pankow, Harry M	90490	Pankow Sand And Gravel Mine	Sand and Gravel	6/6/2005	2.4
Java	Java, Town of	90568	Keenan Gravel Pit	Sand and Gravel	5/23/2005	6.0

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Albany						
Bluestone	1	0	86	40	0	40
Clay	2	3	111	49	8	41
Limestone	2	0	1,116	764	0	764
Sand and Gravel	12	20	704	549	250	299
Shale	1	3	103	104	26	78
Topsoil	0	1	22	22	22	0
County Totals	18	27	2,143	1,528	306	1,223
Allegany						
Bluestone	0	0	27	0	0	0
Clay	1	1	19	7	4	3
Glacial Till	0	2	3	2	2	0
Sand and Gravel	47	40	1,423	807	266	538
Sandstone	1	0	13	4	0	4
Shale	0	0	3	3	3	0
Stone	0	0	0	1	0	1
Topsoil	1	0	11	5	0	5
County Totals	50	43	1,499	828	275	551
Broome						
Bluestone	18	4	274	202	18	184
Clay	0	2	34	6	6	0
Glacial Till	0	3	19	19	19	0
Sand and Gravel	25	25	1,700	1,384	589	794
Sandstone	0	0	4	4	0	4
Shale	1	0	11	46	10	36
Topsoil	0	1	3	3	3	0
County Totals	44	35	2,045	1,664	645	1,019
Cattaraugus						
Clay	0	2	42	16	16	0
Glacial Till	0	2	14	8	8	0
Peat	1	0	11	3	0	3
Sand and Gravel	71	40	4,703	2,493	592	1,893
Shale	1	3	21	21	15	6
Topsoil	0	1	16	17	15	2
County Totals	73	48	4,807	2,558	646	1,904
Cayuga						
Clay	0	2	66	17	17	0
Glacial Till	1	1	26	26	6	20
Limestone	1	0	225	74	0	74
Sand and Gravel	24	35	843	554	248	306
Shale	0	1	0	0	0	0
Topsoil	0	0	56	59	0	56
County Totals	26	39	1,216	730	271	456
Chautauqua						
Clay	1	2	82	73	44	29
Glacial Till	0	2	35	28	28	0

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Chautauqua						
Peat	0	0	7	0	0	0
Sand and Gravel	52	74	1,820	1,036	552	475
Sandstone	1	0	28	12	0	12
Topsoil	0	3	30	33	31	2
County Totals	54	81	2,002	1,182	655	518
Chemung						
Clay	0	1	4	4	4	0
Glacial Till	0	1	0	6	6	0
Sand and Gravel	25	20	803	597	186	411
Topsoil	2	0	34	30	6	24
County Totals	27	22	841	637	202	435
Chenango						
Bluestone	3	1	46	36	13	23
Clay	0	1	13	1	1	0
Sand and Gravel	38	40	1,410	968	245	698
Shale	3	4	21	20	12	8
Topsoil	0	1	9	0	0	0
County Totals	44	47	1,499	1,025	271	729
Clinton						
Clay	0	2	2	4	4	0
Granite	2	0	156	23	0	23
Limestone	2	1	225	121	3	118
Sand and Gravel	53	44	1,901	1,027	291	734
Sandstone	0	0	27	21	0	21
Topsoil	1	3	25	37	27	10
County Totals	58	50	2,337	1,233	325	906
Columbia						
Clay	0	6	48	111	111	0
Limestone	2	0	1,299	357	0	357
Peat	2	8	77	72	39	33
Sand and Gravel	34	22	1,408	972	241	731
Shale	0	1	3	3	3	0
Topsoil	0	0	23	23	0	23
County Totals	38	37	2,858	1,538	394	1,144
Cortland						
Glacial Till	0	2	9	5	5	0
Sand and Gravel	21	28	1,067	770	400	371
Shale	0	1	1	1	1	0
Topsoil	0	0	20	20	0	20
County Totals	21	31	1,097	796	406	391
Delaware						
Bluestone	46	1	378	297	14	283
Clay	1	0	5	4	0	4
Sand and Gravel	36	31	789	597	192	406

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Delaware						
Sandstone	2	0	141	136	0	136
County Totals	85	32	1,312	1,034	206	829
Dutchess						
Clay	0	0	0	0	0	0
Dolostone	1	0	682	682	0	682
Glacial Till	0	1	0	0	0	0
Granite	2	0	353	111	5	106
Limestone	1	0	95	95	0	95
Marble	1	0	2	2	0	2
Sand and Gravel	54	58	2,669	2,243	1,151	1,102
Stone	0	1	70	70	70	0
Topsoil	0	0	0	0	0	0
County Totals	59	60	3,870	3,202	1,226	1,986
Erie						
Clay	4	11	475	247	197	57
Glacial Till	0	3	93	66	65	1
Gypsum	0	0	17	0	0	0
Limestone	3	0	1,347	1,057	0	1,057
Sand and Gravel	42	26	2,945	1,678	677	1,001
Shale	1	0	44	4	0	4
Topsoil	0	3	310	143	139	4
County Totals	50	43	5,231	3,195	1,078	2,124
Essex						
Clay	0	1	3	3	3	0
Granite	3	0	356	85	1	84
Iron Ore	0	1	138	138	138	0
Limestone	0	2	7	4	4	0
Sand and Gravel	38	26	1,051	525	159	366
Topsoil	0	1	0	10	10	0
Wollastonite	3	0	226	221	0	221
County Totals	44	31	1,781	986	315	671
Franklin						
Clay	1	0	5	5	0	5
Granite	1	0	108	67	0	67
Sand and Gravel	64	34	1,051	725	163	562
Sandstone	2	0	53	18	0	18
Topsoil	1	1	10	10	8	2
County Totals	69	35	1,227	824	171	653
Fulton						
Glacial Till	0	1	0	2	2	0
Sand and Gravel	26	24	904	529	188	342
Topsoil	0	1	8	7	7	0
County Totals	26	26	912	538	197	342
Genesee						

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Genesee						
Clay	0	1	3	3	3	0
Gypsum	0	0	15	15	15	0
Limestone	5	0	1,077	759	0	759
Marl	1	1	29	29	23	7
Sand and Gravel	18	13	1,602	799	334	465
County Totals	24	15	2,726	1,606	374	1,231
Greene						
Clay	0	1	12	12	12	0
Limestone	3	0	2,948	692	0	692
Sand and Gravel	12	10	290	229	66	163
Sandstone	1	1	129	18	4	14
Shale	6	3	293	192	29	163
Topsoil	0	1	8	8	8	0
County Totals	22	16	3,680	1,151	119	1,032
Hamilton						
Sand and Gravel	22	18	252	205	83	122
County Totals	22	18	252	205	83	122
Herkimer						
Clay	0	8	66	66	66	0
Dolostone	2	0	70	42	0	42
Limestone	2	0	336	306	0	306
Sand and Gravel	46	56	1,754	1,142	262	880
Topsoil	1	1	17	9	3	6
County Totals	51	65	2,243	1,565	331	1,234
Jefferson						
Clay	1	8	98	133	132	1
Granite	1	0	15	9	0	9
Limestone	17	6	1,268	928	20	908
Peat	0	2	23	14	14	0
Sand and Gravel	63	101	2,179	1,648	781	867
Shale	1	0	2	2	0	2
Topsoil	3	9	238	210	194	15
County Totals	86	126	3,824	2,943	1,142	1,801
Lewis						
Clay	0	3	6	6	6	0
Limestone	1	0	20	3	0	3
Sand and Gravel	37	68	902	762	292	469
Shale	4	8	72	72	49	24
Topsoil	0	1	0	3	3	0
Wollastonite	1	0	54	54	5	49
County Totals	43	80	1,054	900	355	545
Livingston						
Limestone	1	0	429	289	0	289
Salt	2	0	9,055	727	30	697

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Livingston						
Sand and Gravel	22	11	1,223	836	66	770
County Totals	25	11	10,707	1,852	96	1,756
Madison						
Clay	0	1	10	1	1	0
Glacial Till	0	1	18	18	18	0
Limestone	3	0	466	219	0	219
Peat	0	1	70	5	5	0
Sand and Gravel	21	18	871	508	193	315
Topsoil	0	1	49	0	0	0
County Totals	24	22	1,484	751	217	534
Monroe						
Dolostone	2	0	247	220	0	220
Glacial Till	0	1	25	25	25	0
Limestone	1	0	298	261	10	251
Sand and Gravel	11	10	1,162	818	496	322
County Totals	14	11	1,732	1,324	531	793
Montgomery						
Clay	1	0	4	4	0	4
Dolostone	2	0	308	269	0	269
Limestone	1	1	207	175	7	168
Sand and Gravel	5	3	233	171	53	118
County Totals	9	4	752	619	60	559
Multicounty						
Limestone	1	0	159	159	0	159
Sand and Gravel	1	0	2	2	0	2
County Totals	2	0	161	161	0	161
Multi-Region						
Salt	1	0	13,417	9,260	0	9,260
Sand and Gravel	0	0	1	0	0	0
Shale	0	0	0	0	0	0
County Totals	1	0	13,418	9,260	0	9,260
Nassau						
Sand and Gravel	0	1	273	273	273	0
County Totals	0	1	273	273	273	0
Niagara						
Clay	11	8	986	517	215	302
Glacial Till	0	1	10	33	10	23
Limestone	3	0	1,058	538	49	489
Sand and Gravel	2	13	268	184	160	24
Topsoil	1	0	16	18	0	18
County Totals	17	22	2,338	1,290	434	856
Oneida						

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Oneida						
Clay	0	3	20	25	25	0
Granite	1	0	100	100	0	100
Industrial Sand	2	0	525	29	0	29
Limestone	1	0	342	264	0	264
Sand and Gravel	59	74	2,548	1,501	632	869
Shale	0	2	6	6	6	0
Topsoil	1	1	13	13	8	5
County Totals	64	80	3,554	1,938	671	1,267
Onondaga						
Clay	2	2	46	31	21	10
Glacial Till	1	14	202	187	182	5
Limestone	8	0	2,169	1,728	108	1,620
Sand and Gravel	30	23	1,368	1,023	513	510
Shale	0	4	82	20	18	0
Topsoil	3	3	179	153	98	55
County Totals	44	46	4,046	3,142	940	2,200
Ontario						
Clay	1	2	32	32	8	24
Glacial Till	1	0	202	96	0	96
Limestone	2	0	586	365	0	365
Sand and Gravel	38	18	2,619	1,927	826	1,101
County Totals	42	20	3,439	2,420	834	1,586
Orange						
Clay	0	0	0	5	0	5
Dolostone	1	1	80	80	25	55
Glacial Till	0	1	3	2	2	0
Limestone	0	0	0	30	0	30
Sand and Gravel	41	35	1,600	1,340	695	700
Shale	5	0	196	84	0	84
County Totals	47	37	1,879	1,541	722	874
Orleans						
Clay	0	4	64	60	60	0
Limestone	2	0	404	260	0	260
Sand and Gravel	14	6	683	266	69	197
Sandstone	4	0	185	176	0	176
County Totals	20	10	1,336	762	129	633
Oswego						
Clay	0	0	5	0	0	0
Glacial Till	1	4	82	73	33	40
Industrial Sand	0	1	8	5	2	3
Sand and Gravel	102	61	4,691	2,822	1,264	1,558
Topsoil	3	2	168	138	32	77
County Totals	106	68	4,955	3,038	1,331	1,678
Otsego						

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Otsego						
Bluestone	0	1	5	5	5	0
Clay	0	3	7	10	10	0
Sand and Gravel	35	14	907	698	179	519
Shale	1	1	5	1	0	1
County Totals	36	19	924	714	194	520
Putnam						
Glacial Till	0	0	0	0	0	0
Granite	0	0	8	8	0	8
Limestone	1	0	56	56	0	56
Sand and Gravel	3	2	39	47	33	14
County Totals	4	2	103	111	33	78
Rensselaer						
Clay	2	3	80	77	16	61
Limestone	1	0	71	29	0	29
Sand and Gravel	50	34	2,136	1,540	268	1,259
Sandstone	3	0	583	151	0	151
Shale	1	1	149	140	12	128
County Totals	57	38	3,020	1,937	296	1,628
Rockland						
Dolostone	1	0	184	145	0	145
Granite	0	0	225	0	0	0
Trap Rock	3	0	407	348	0	348
County Totals	4	0	816	493	0	493
Saratoga						
Clay	4	3	57	44	20	24
Dolostone	1	0	71	67	0	67
Granite	1	0	132	104	0	104
Industrial Sand	0	1	0	5	5	0
Limestone	2	0	388	228	0	228
Sand and Gravel	52	44	2,397	1,364	347	1,017
Shale	1	1	12	6	1	5
Topsoil	1	2	36	35	31	4
County Totals	62	51	3,092	1,852	404	1,448
Schenectady						
Clay	0	1	15	15	15	0
Limestone	1	0	3	3	0	3
Peat	1	0	107	13	0	13
Sand and Gravel	6	6	321	292	78	214
Sandstone	0	0	4	4	0	4
Shale	1	1	26	11	6	5
County Totals	9	8	476	338	99	239
Schoharie						
Limestone	4	0	525	377	0	377
Sand and Gravel	12	9	187	134	47	87

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Schoharie						
Sandstone	0	0	15	15	0	15
Shale	2	4	27	21	8	13
County Totals	18	13	754	547	55	492
Schuyler						
Sand and Gravel	11	10	492	366	88	278
Topsoil	0	1	2	2	2	0
County Totals	11	11	494	368	90	278
Seneca						
Clay	2	0	102	102	0	102
Limestone	1	0	424	173	0	173
Sand and Gravel	3	3	161	122	31	91
Shale	0	1	2	2	2	0
County Totals	6	4	688	398	33	365
St. Lawrence						
Clay	2	8	202	195	147	48
Dolostone	4	0	586	394	5	389
Granite	1	0	4	4	0	4
Limestone	1	0	24	24	0	24
Marble	1	0	173	84	2	82
Sand and Gravel	99	116	2,739	1,926	918	1,008
Sandstone	2	0	34	9	0	9
Talc	2	0	194	214	40	174
Topsoil	5	14	443	405	211	194
Zinc	1	3	1,441	513	81	432
County Totals	118	141	5,839	3,767	1,404	2,363
Statewide						
Bluestone	0	1	0	1	1	0
Clay	0	2	26	46	46	0
Emery	0	1	10	10	10	0
Glacial Till	0	30	18	196	196	0
Industrial Sand	0	1	90	90	90	0
Limestone	0	1	0	6	6	0
Peat	0	4	3	149	149	0
Salt	0	1	0	50	50	0
Sand and Gravel	0	300	557	1,877	1,629	248
Sandstone	0	1	0	0	0	0
Shale	0	9	14	29	29	0
Stone	0	1	0	4	4	0
Topsoil	0	4	10	53	53	0
County Totals	0	356	728	2,511	2,263	248
Steuben						
Clay	0	1	0	25	25	0
Glacial Till	0	2	11	13	13	0
Sand and Gravel	79	35	2,892	2,256	343	1,913
Sandstone	1	0	64	55	0	55

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Steuben						
Topsoil	0	2	36	33	13	20
County Totals	80	40	3,003	2,382	394	1,988
Suffolk						
Sand and Gravel	37	23	1,743	1,583	426	1,157
County Totals	37	23	1,743	1,583	426	1,157
Sullivan						
Clay	1	0	5	5	0	5
Sand and Gravel	22	34	1,100	752	335	417
Sandstone	3	1	804	533	2	531
Shale	2	1	12	8	2	6
County Totals	28	36	1,921	1,298	339	959
Tioga						
Glacial Till	0	2	3	5	5	0
Sand and Gravel	37	28	2,198	1,469	520	948
Topsoil	1	1	31	23	18	5
County Totals	38	31	2,233	1,497	543	953
Tompkins						
Bluestone	1	0	20	17	0	17
Clay	0	1	4	4	4	0
Glacial Till	0	3	19	11	11	0
Limestone	1	0	126	126	103	23
Sand and Gravel	12	21	533	363	149	215
Topsoil	0	2	2	5	5	0
County Totals	14	27	704	526	272	255
Ulster						
Bluestone	3	0	56	26	0	26
Clay	3	3	53	53	36	17
Dolostone	1	0	397	11	0	11
Limestone	3	0	361	193	0	193
Sand and Gravel	26	33	963	653	326	327
Sandstone	1	1	15	15	4	11
Shale	12	16	276	201	83	118
County Totals	49	53	2,121	1,152	449	703
Warren						
Garnet	1	1	180	162	55	107
Limestone	1	0	21	21	0	21
Sand and Gravel	33	17	975	604	92	512
County Totals	35	18	1,176	787	147	640
Washington						
Clay	1	2	52	52	47	5
Dolostone	1	0	197	64	0	64
Granite	8	0	176	75	0	75
Limestone	3	0	232	151	0	151

Mine Commodities 2005

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Washington						
Sand and Gravel	40	38	1,316	816	305	511
Sandstone	1	1	12	13	1	12
Shale	2	1	18	10	4	6
Slate	1	0	25	5	0	5
Topsoil	1	2	75	41	26	15
County Totals	58	44	2,102	1,226	382	844
Wayne						
Clay	0	1	28	28	28	0
Dolostone	1	0	167	162	0	162
Glacial Till	0	4	25	25	25	0
Limestone	1	0	134	117	0	117
Sand and Gravel	44	36	2,077	1,393	562	831
Topsoil	0	1	65	1	1	0
County Totals	46	42	2,495	1,726	615	1,111
Westchester						
Emery	0	1	5	5	5	0
Sand and Gravel	0	3	21	18	18	0
Shale	1	0	4	4	0	4
Trap Rock	0	0	2	0	0	0
County Totals	1	4	32	27	23	4
Wyoming						
Clay	0	1	8	12	8	4
Sand and Gravel	26	23	951	418	214	204
Topsoil	0	1	21	21	15	6
County Totals	26	25	980	451	237	214
Yates						
Clay	0	1	18	18	18	0
Sand and Gravel	12	5	376	255	82	173
County Totals	12	6	394	273	100	173
State Totals	2,198	2,331	136,364	86,205	25,027	61,157