

**New York State
Oil, Gas
and
Mineral Resources
2006**

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

www.dec.ny.gov



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

Division of Mineral Resources
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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 111,405 miles and performed 2,555 oil and gas inspections.

Permits and Completions

Gas:	Permits	353	Completions	191
Oil:	Permits	190	Completions	176
Other:	Permits	79	Completions	84
Total:	Permits	622	Completions	451

Wells Reported (All Types) 2006 - 13,621

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

Production & Market Value

Gas	55.342 bcf	Value Down	8%
Oil	319,099 bbl	Value Up	79%
Total O&G Mkt Value	\$414 million		

State Leasing - 86 leases were in effect covering 63,558 acres, 208 producing wells.

Revenues from Oil and Gas

State Revenues	\$ 3.3 million
Local Govt. Taxes (est.)	\$12.4 million
Landowner Royalties (est.)	\$51.8 million

Underground Natural Gas Storage - 24 facilities were 84% full at year-end.

Total Storage Capacity	219 bcf
Working Gas Capacity	109 bcf
Max. Daily Deliverability	2.127 bcf/day

Solution Mining - 5 facilities produced 2.09 billion gallons of brine equal to 2.43 million metric tons of salt.

Financial Security - In 2006 New York held \$14.9 million to guarantee well plugging and site reclamation.

Mined Land Reclamation

Inspections - Staff traveled 174,709 miles to perform 2,021 mine inspections.

Permits Issued

Total Permits	374	Fees Annual
New Permits	47	Regulatory
Renewal & Mod.	327	\$2.7 Million

Active Mines 2,215

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	1,838
Limestone	100
Bluestone	64

Owner Type

Industry	1,739
County	53
Town	408

Net Affected Acreage 49,214

Life-of-Mine Acreage 115,126

Reclaimed Acreage, 2006 997

Reclaimed Since 1975 25,615

Financial Security - In 2006 New York required \$122.1 million to guarantee mine site reclamation.

Division of Mineral Resources Program Highlights

New York State gas production in 2006 was 55.342 billion cubic feet (bcf), just above last year's record total of 55.156 bcf. Trenton-Black River production declined slightly, but accounted for 78% (42.8 bcf) of 2006 production. Oil production jumped 51% to 319,099 barrels.

Five new Trenton-Black River gas fields started production in 2006: Stoney Ridge in Steuben County, Howland Hill and Goudry Hill in Schuyler County, Darling Creek and Veteran Hill in Chemung County.

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

In 2006 state drilling permits were at the highest level since 1984. Total drilled depth of the wells for the year was over 1.4 million feet (more than the distance from Schenectady to Buffalo). Drilling rig availability has become a significant concern for New York's oil and gas operators.

By year-end 2006 the total number of deep wells drilled on or adjacent to State land had risen to 19 wells, an increase of 1 (one) from 2005. In 2006 New York collected \$3.1 million in royalties from wells draining State land. Steuben County has the most State acreage under lease.

In 2006 the Division of Mineral Resources (Division) conducted 34 compulsory integration hearings in accordance with the 2005 amendments to the Oil, Gas, and Solution Mining Law, with 31 final orders signed. The 3 orders which remained pending were referred to the Office of Hearings and Mediation Services for adjudication on issues including data and site access, assessment of risk penalty, and pipeline costs.

In 2006 there were 2,215 active DEC-regulated mines in New York State, a drop of 34 mines from 2005 and the eighth straight year of decline. Nevertheless, 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 47 of the 374 mining permits issued in 2006 were for new facilities.

A total of 49,214 acres were affected by mining in 2006 out of a total life-of-mine approved acreage of 115,126 acres. The Division continued to have success promoting concurrent reclamation with 574 acres reclaimed at 78 operating mines. Final reclamation of 423 acres occurred at 68 closed mines bringing the year's reclamation total to 997 acres. Roughly 25,615 acres of land affected by mining have been reclaimed since 1975.

In 2006 the Division held over \$122.1 million in financial security to guarantee mine reclamation. However, staff analysis showed that the average reclamation bond of \$2,791 per acre was inadequate to cover current costs in the \$5,000-6,000 per acre range. In 2006 the Division adopted new standardized statewide procedures for calculating the financial security for new permits, as well as permit renewals, modifications and transfers.

The Division remains committed to promoting concurrent reclamation and is also investigating other approaches to reducing mining impacts. Another Division initiative to reduce environmental impacts was a workshop cosponsored with the New York Construction Materials Association. The workshop was held in four locations across the State and attended by over 175 people who learned how to improve their compliance with Mined Land Reclamation program requirements.

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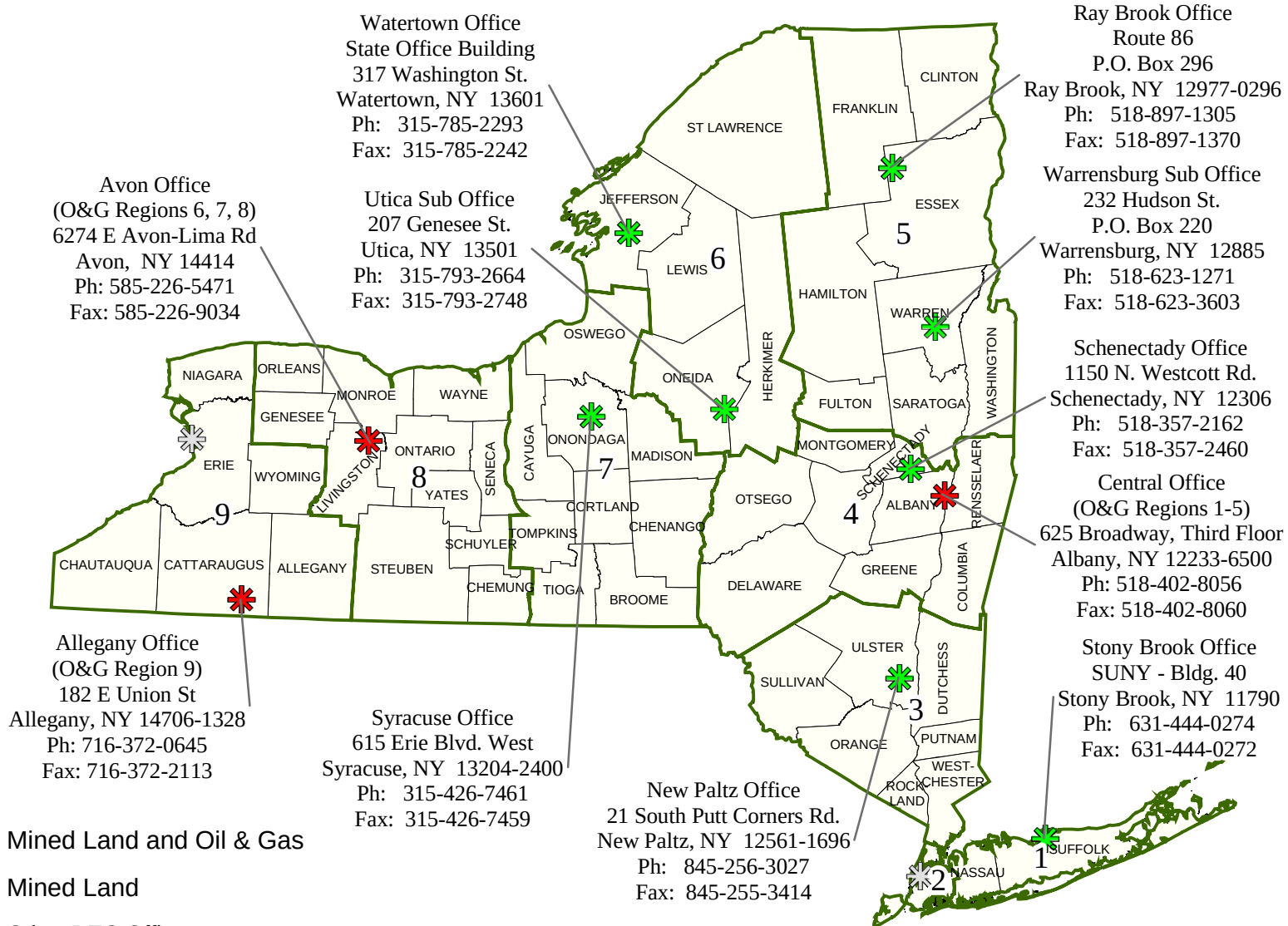
Details on major mineral commodities in New York State

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Appendix 1 - Oil and Gas Data

Appendix 2 - Mined Land Data

Map 1 - Division of Mineral Resources Regional Service Areas



2006 New York Oil & Gas Industry At a Glance

Production and Market Value

Gas	55.342 bcf	Value Down 8%
Oil	319,099 bbl	Value Up 79%
Total Market Value	\$414 Million	

All Reported Wells 13,621

Active Wells

Natural Gas	6,213
Oil	3,364
Gas Storage	936
Solution Salt	98

Revenues In Millions

State Leasing	\$3.3 Million
Local Govt (est.)	\$12.4 Million
Landowner Royalties (est.)	\$51.8 Million

Underground Gas Storage

24 facilities, 84% full at year-end	
Total Storage Capacity	219 bcf
Working Gas Capacity	109 bcf
Max. Deliverability	2.127 bcf/day

Financial Security

Plugging & Reclamation
\$14,884,552

Solution Mining

5 facilities produced 2.09 billion gallons of
brine (2.43 million metric tons salt)

State Leasing

86 leases covered 63,558 acres
and 208 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 vol-
ume. 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 home. The State's
2006 production of 55.3 bcf was enough
to heat 800,000 homes.



* 2005 NYS Energy Fast Facts, NYSDERDA

Market Value and Economic Benefits

Market Value

Gas production hit a record level, but New York's estimated total market value for oil and gas declined 6% to \$414 million in 2006. A drop of \$0.65 per thousand cubic feet (mcf) in the average natural gas price offset the slight increase in gas production from 2005. Breaking down the figures in more detail, the market value for natural gas dropped 8% from \$429.5 million in 2005 to \$394.6 million in 2006. New York produces much less oil than gas, but oil's market value rose an impressive 79% from \$11.1 million in 2005 to \$19.9 million in 2006.

Tax Revenues to Local Governments

Communities in oil and gas producing areas also benefit from the industry's activity. The Division estimates that real property taxes on 2006 production totaled roughly \$12.4 million. To dampen the impact of fluctuating prices, local governments assess taxes on a five-year average unit of production value from the NY State Division of Equalization and Assessment.

State Lease Oil and Gas Prices

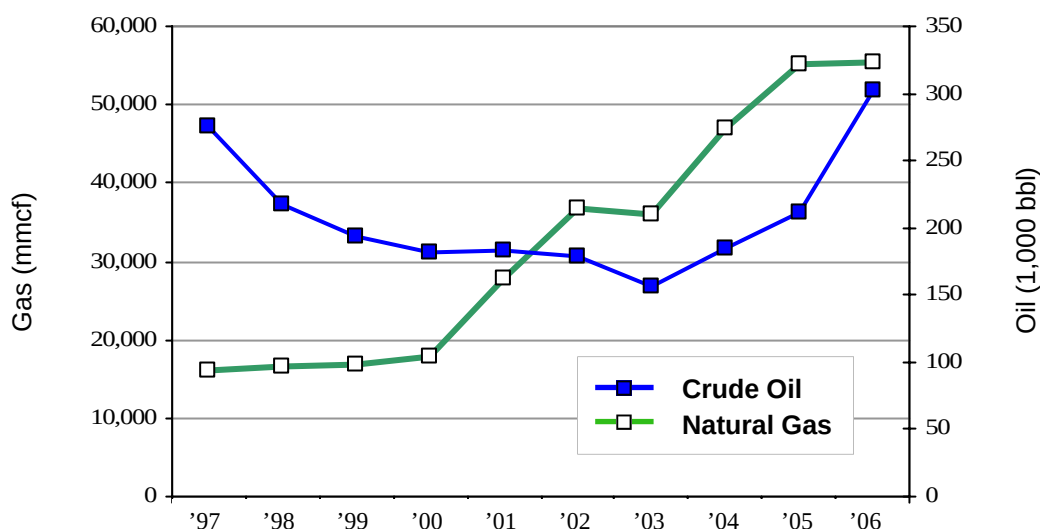
The average wellhead natural gas price of \$7.13 per mcf in 2006 was down 8% from the \$7.78 price of 2005. The average price of oil in 2006 of \$62.38 per bbl was up 18.3% from \$52.75 in 2005. These average prices were obtained from royalty payments made to New York for leases on State lands.

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, the Division estimates that landowners in New York received roughly \$51.8 million in royalties in 2006.

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

Chart 1 - New York State Oil and Gas Production, 1997 - 2006



Production of Oil and Gas

Natural Gas Production

New York's reported natural gas production for 2006 was a new State record of 55.342 bcf, compared to 55.156 for 2005. Approximately 42.81 bcf of gas came from just 84 producing Trenton-Black River wells, with one well alone producing 3.94 bcf. Production from other formations was the highest since 1999.

Oil Production

In 2006 New York's production of oil increased 51% to 319,099 barrels from 211,292 in 2005, the highest level since 1993

Top Producers

In 2006 Chemung County continued as the top gas-producing county. Chemung and Steuben counties accounted for 72% of New York's 2006 production. Chautauqua County continued in third place (see Table 1).

In 2006 the top gas producer was Fortuna Energy Inc. at 40 bcf of gas and the top oil producer was East Resources at 139,935 bbl of oil. Tables 2 and 3 on the next page show the top 10 oil and gas producers. Tables 5 and 6 on page 16 show the top 10 Trenton-Black River producing wells and fields for 2006.

Table 1 - Top 10 Gas Counties, 2006

County	Gas (mcf)	Active Gas Wells	Average mcf/Well
Chemung	22,797,796	36	633,272
Steuben	17,192,399	59	291,397
Chautauqua	5,868,690	3,186	1,842
Schuyler	2,822,341	11	256,576
Erie	1,622,797	873	1,858
Cattaraugus	1,495,117	554	2,699
Cayuga	783,029	301	2,601
Seneca	673,115	174	3,868
Genesee	656,622	505	1,300
Wyoming	332,846	264	1,261

For Further Details

Map 2 on page 13 gives production information by town. Table 4 on page 14 gives production by geologic formation. For further production details, please visit our website at www.dec.ny.gov/energy/205.html.

Chart 2 - Producing Formation for NY Natural Gas, 2002-2006

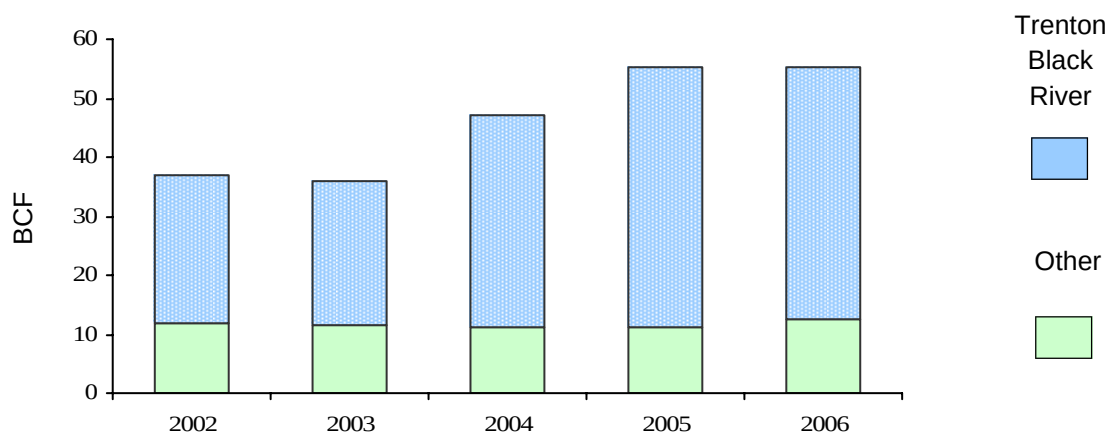


Table 2 - Top 10 Gas Producing Companies, 2006

Company	2006 Mcf Gas	2005 Rank	2006 Change
1. Fortuna Energy Inc.	40,033,739	1	-2%
2. Chesapeake Appalachia, LLC	4,037,276	2	-<1%
3. Great Lakes Energy Partners	2,641,618	3	-2%
4. Nornew, Inc.	1,453,636	4	+36%
5. Ardent Resources, Inc.	589,348	9	+31%
6. Seneca Resources Corp.	524,658	5	-2%
7. United States Gypsum Co.	516,106	7	+2%
8. US Energy Development Corp.	467,528	>10	+159%
9. Steadman Energy, Inc.	453,037	8	-3%
10. Kastle Resources Enterprises, Inc.	414,219	6	-21%

Table 3 - Top 10 Oil Producing Companies, 2006

Company	2006 Barrels	2005 Rank	2006 Change
1. East Resources, Inc.	139,935	1	+164%
2. McCracken, Carl A. III	23,106	3	+27%
3. Richardson Petroleum Corp.	21,052	2	-16%
4. Case Brothers, Inc.	13,514	4	+53%
5. Bouquin, Fred C. & Fred L.	9,510	5	+23%
6. Otis Eastern Service, Inc.	7,600	6	+9%
7. Plants & Goodwin, Inc.	6,326	7	-3%
8. Johnson, Mark & Troy	5,727	10	+24%
9. Snyder Brothers, Inc.	5,575	new company	-
10. Copper Ridge Oil, Inc.	5,007	>10	+47%

Map 2 - New York State Gas Production by Town, 2006

Legend

Gas (mcf)

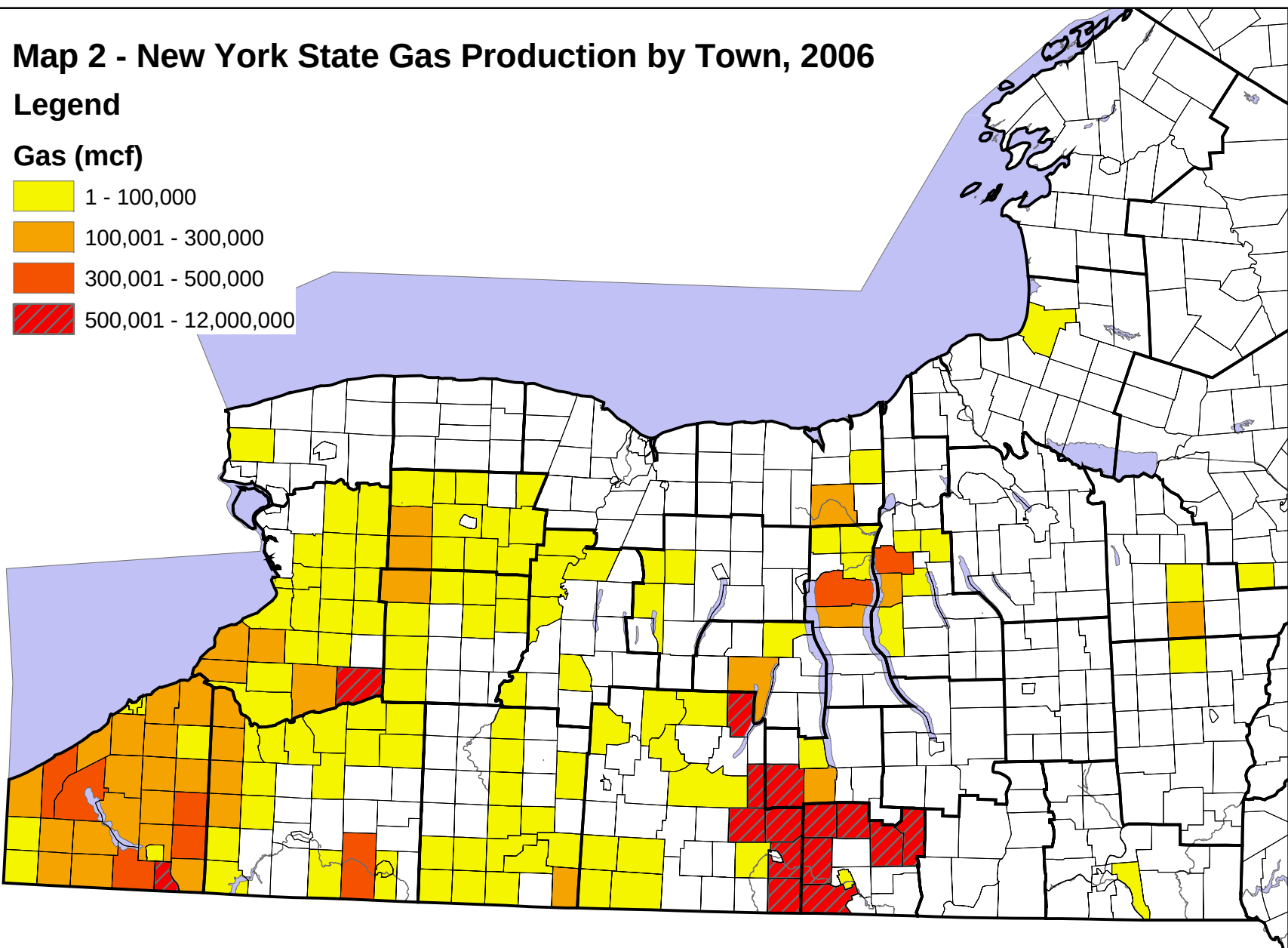
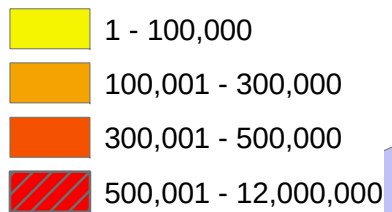


Table 4 - Production by Geologic Formation, 2006

Formation	Wells	Gas (mcf)	Oil (bbl)
Devonian Shale	30	27,294	0
Undifferentiated Canadaway Group	4,103	373,445	244,599
Perrysburg	948	238,046	47,879
Tully	11	21,243	0
Hamilton	8	0	0
Marcellus	10	8,570	0
Onondaga	83	114,126	2,196
Oriskany	40	201,061	129
Helderberg	4	0	0
Akron	29	18,292	0
Herkimer-Oneida- Oswego	33	241,958	0
Medina	6,047	8,805,300	15
Bass Island	79	102,803	12,113
Queenston	521	1,531,525	0
Trenton	14	243,700	0
Black River	107	42,809,812	0
Little Falls	1	13,465	0
Theresa	17	568,103	0
Other	396	22,998	836

* 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.ny.gov/energy/33893.html>**

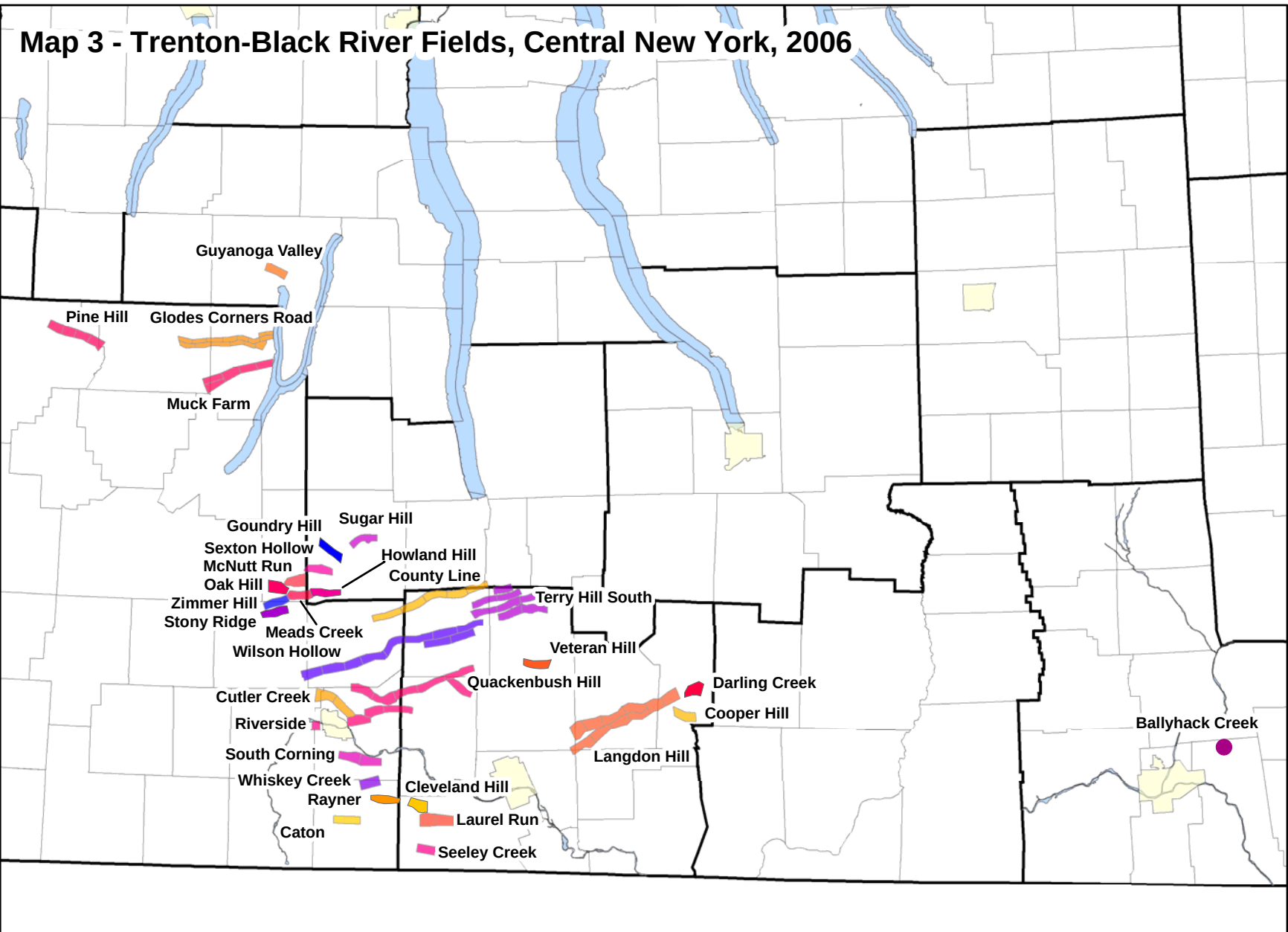


Table 5 - Top 10 Wells, Trenton-Black River Production, 2006

Well Name	API Identification Number	2006 Production (bcf)	Cumulative Production Year-End 2006	County/ Field
Stoscheck 1	31015238140000	3,939,874	3,939,874	Chemung/ Darling Creek
Reed 1	31101230550000	2,387,267	13,385,525	Steuben/ Quakenbush Hill
Lovell 1323	31015228310000	2,371,548	20,248,768	Chemung/ Quakenbush Hill
Little 1	31015232280000	2,109,663	2,109,663	Chemung/ Veteran Hill
Gillis 1	31101231100000	2,101,064	3,841,059	Steuben/ Rayner
Hartman, BJ 1	31101232270000	1,898,203	1,898,203	Steuben/ Rayner
Schwingel 2	31015238200000	1,719,702	1,719,702	Chemung/ Quakenbush Hill
Henkel 1359-A	31101228710100	1,599,585	10,282,408	Steuben/ Quakenbush Hill
Frost 1	31097232300000	1,399,236	1,399,236	Schuyler/ Howland Hill
Soderblom 1	31015231340000	1,390,354	7,722,949	Chemung/ Quakenbush Hill

Table 6 - Top 10 Fields, Trenton-Black River Production, 2006

Field Name	2006 Production (bcf)	Number of Wells*	First Year of Production	Cumulative Production Year-End 2006
Quackenbush Hill	13.58	11	2000	78.37
Wilson Hollow	3.57	11	1999	38.76
Glodes Corners Road	0.20	12	1996	9.73
Muck Farm	0.53	4	2000	8.39
Terry Hill South	0.62	5	2001	8.19
Langdon Hill	2.67	7	2001	7.50
Rayner	4.00	2	2005	5.74
Cutler Creek	0.59	3	2001	5.08
Seeley Creek	0.90	1	2004	4.61
Darling Creek	3.94	1	2006	3.94

* Excludes shut-in wells

Drilling Permits and Well Completions

Drilling Permits

DEC issued 622 drilling permits in 2006, a 43% increase from the previous year and the highest number of permits since 1984.

DEC issued 353 natural gas, 190 oil, 11 brine, 34 geothermal, 11 underground gas storage, 23 stratigraphic well permits. While a small part of the total, the 34 geothermal permits represent an all-time high for that category.

In 2006 DEC issued permits for wells in 23 counties; the top 3 were Chautauqua County (158), Cattaraugus County (152) and Erie County (62). Most of the oil drilling permits were issued for Cattaraugus (144) and Allegany (27) counties. Chautauqua (149) and Erie (62) counties had the highest number of gas permits.

Wildcats and Extensions

Operators drilled 36 gas wildcat wells, 5 oil wildcat wells and 20 gas extension wells in 2006.

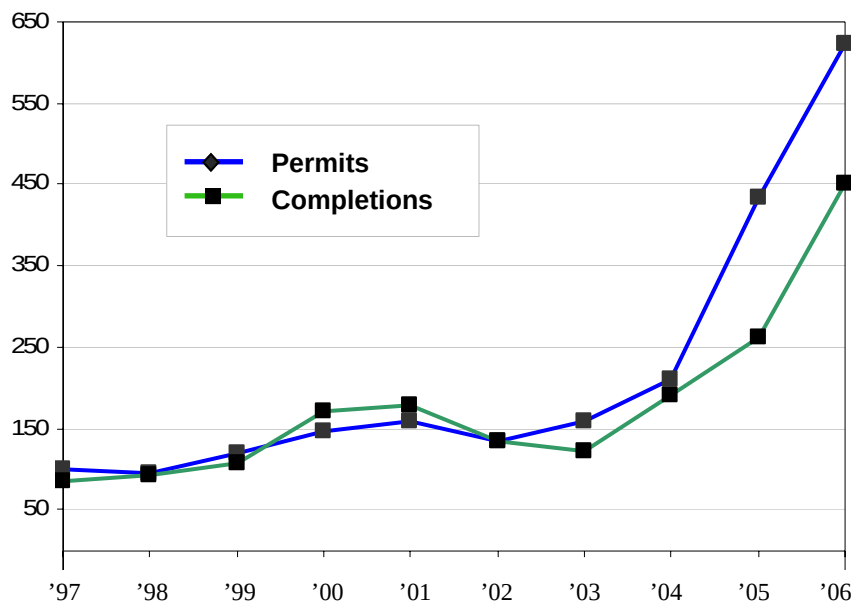
Well Spuds and Completions

The number of wells spud (started) in 2006 rose to 540, a level not seen since 1984. In 2006, 191 gas wells and 176 oil wells were completed with a total number of 451 wells of all types completed.

Formations Permitted

Industry interest in the Ordovician age carbonates of central New York remained strong during 2006 with 42 Black River and Trenton permits issued in 2006. Other primary gas permit targets included Medina (238) and Queenston (26).

Chart 3 - Drilling Permits and Completions, 1997 - 2006



Drilling Permits, 2006

Gas	353
Oil	190
Other	79
Total	622

Well Completions, 2006

Gas	191
Oil	176
Other	84
Total	451

Compliance and Enforcement

Inspections

In 2006 Oil and Gas staff traveled 111,405 miles to perform 2,555 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 2006 the Oil and Gas Program assessed \$14,000 in fines and penalties from 12 administrative cases, plus \$50,000 in environmental benefit project funds and \$175,756 in settlements and penalties from cases referred to the Attorney General's Office.

Permit Fees

Total oil and gas permit fees collected by the Division equaled \$796,632 in 2006, of which \$62,200 was deposited in the Oil and Gas Account.

Division inspectors log over 100,000 miles every year inspecting wells, but rarely are well sites as interesting as this one at Fort Ticonderoga where a geothermal well was being drilled to help heat and cool the facility. At right soldier reenactors march inside the fort.



At left a student intern observes a well cementing inspection. The Division's rigorous well cementing requirements protect groundwater.

State Land Leasing

At the end of 2006 the Division managed 86 leases covering roughly 63,558 acres of State land, a decrease from the previous year's 64,500 acres.

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

At year-end 2006 the State was earning royalties from 108 productive oil and gas wells physically located on State lands and another 100 producing wells on adjacent and/or unitized lands. These wells are associated with 55 State leases.

New York collected royalties from these 208 wells which produced 10 bcf of natural gas and 2,145 bbl of oil. The average prices paid were \$7.13 per mcf for gas and \$62.38 per barrel of oil.

In 2006 the State received total leasing revenues of \$3.3 million:

- **Delay Rentals** - Operators submitted a total of \$75,305 in delay rentals, down 6.5% from 2005, due to leases going to production and to expiring leases.

- **Royalties** - The State received \$3,096,620 in royalty revenue from production of oil and gas on 55 leases in 9 counties (31,121 acres).

- **Storage Leases** - Fourteen storage leases added \$125,007, up 1% from 2005. The majority of New York's storage lease acreage is in Cattaraugus County.

- **Lease Sale Revenue** - The State received \$823 from two non-competitive leases of New York State Department of Transportation acreage in preexisting production units. The Division also conducted a lease sale for 253 acres of SUNY Fredonia land. The high bid was \$12,966 with the school getting a first-purchase option on any gas produced.

The Division held a major oil and gas lease sale on August 23 for 19,277 acres of state land and received high bonus bids totaling \$8.98 million. The bids were not recorded as 2006 revenues, however, due to the schedule for finalizing contracts.

DEC Managed Oil and Gas Leases

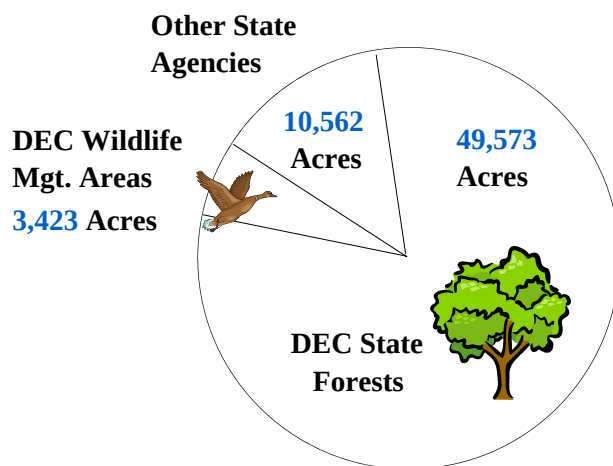


Table 7 - Total Leasing Revenues, 2002 - 2006

2002	\$249,685
2003	\$5,326,927
2004	\$765,782
2005	\$3,439,670
2006	\$3,296,932

For more information, see the 2006 Oil & Gas Leasing Report at

<http://www.dec.ny.gov/energy/1579.html>

Orphaned and Abandoned Wells

2006 Status Report

Abandoned, unreported and inactive wells continue to be a problem despite high oil and gas prices. A total of 224 operators reported 2,871 wells with zero production in 2006. Another 1,105 wells remain unreported for 2006 and are considered abandoned by the operator of record. These wells are in addition to over 4,500 orphan wells in the Department's records. DEC enforcement actions have reduced the number of unreported wells, but the number of inactive wells remains significant and is certain to grow as marginally productive wells become uneconomic to produce. An active shut-in/temporary abandonment program is planned to address these problems.

Environmental Issues

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.

Abandoned wells can leak oil, gas and/or brine; underground leaks may go undiscovered for years. These fluids can contaminate ground and surface water, kill vegetation and cause public safety and health problems. Historically, abandoned wells have been discovered in wooded areas, along roadsides, in residential yards, playgrounds, parking lots, inside buildings, and in wetlands, 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 wells. It is funded by a \$100 per well permit fee; at the end of 2006 the balance was \$377,862. DEC has over 600 wells on its priority plugging list, in addition to thousands of 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 abandoned oil wells in the Town of West Union, Steuben County. By the end of 2006 EPA had plugged 70 wells; the project was scheduled to resume in 2007.

Plugging Permits and Bonds

In 2006 operators plugged 213 wells in accordance with a DEC plugging permit. At year-end DEC held \$14.9 million in financial security to guarantee well plugging and reclamation. However, wells that predate DEC's regulatory program are exempt from financial security requirements.

Plugged Wells, 2006

Oil	171
Gas	20
Other	22

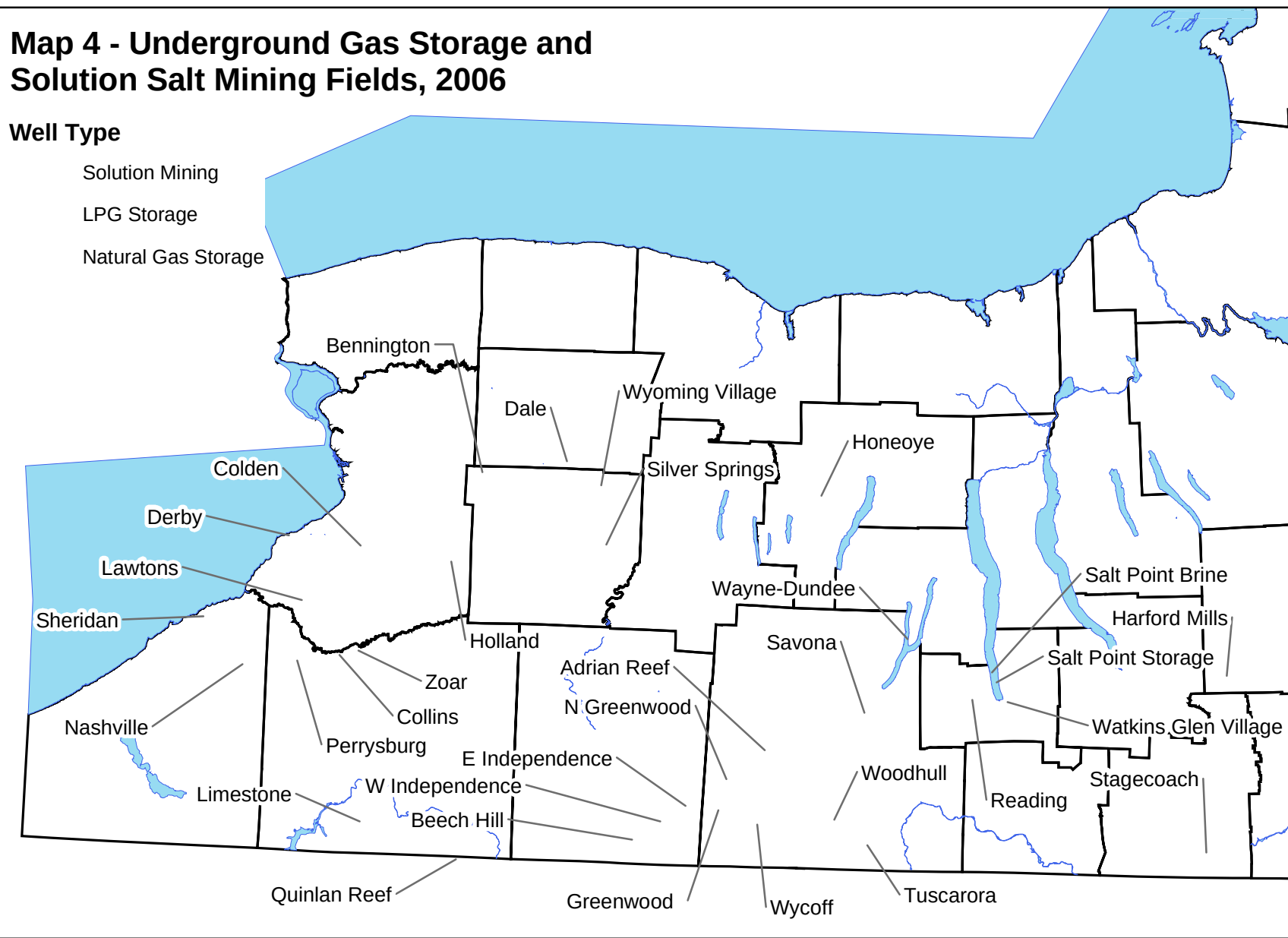
Financial Security, 2006

\$14.9 Million

Map 4 - Underground Gas Storage and Solution Salt Mining Fields, 2006

Well Type

- Solution Mining
- LPG Storage
- Natural Gas Storage



Underground Gas Storage

Twenty-four natural gas and three liquefied petroleum gas underground storage facilities operated in 10 counties in the western and central parts of New York during 2006.

Natural Gas Storage

Total maximum deliverability from the underground natural gas storage fields operating in New York at year-end 2006 was 2.127 bcf of gas per day and total capacity was 218.9 bcf. Working gas capacity was 108.8 bcf. Operators reported that these storage fields were 83.7% full at the end of the year, with 183.3 bcf in storage.

Total natural gas storage capacity and daily deliverability will increase by 16.2 and 0.3 bcf respectively, when additional capacity that the Division permitted in 2006 is placed into operation.

Liquefied Petroleum Gas Storage

New York's three liquefied petroleum gas (LPG) underground storage facilities are located in Cortland, Steuben and Schuyler counties. At year's end Department records showed Inergy Midstream, LLC (Inergy), New York LP Gas Storage, Inc. (NYLPG), and TE Products Pipeline Company (TEPPCO), as the owners of the three facilities. Inergy purchased the facility formerly owned by Bath Petroleum Storage, Inc. (BPSI) in Steuben County, and Division staff approved the transfer on October 1, 2006. TEPPCO purchased the NYLPG facility in Cortland County in mid-2006. Department approval of this transfer was pending at year's end.

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

As mentioned in the Division's annual report for 2005, the Department and BPSI executed an Order on Consent that year. Inergy has assumed responsibility for BPSI's obligations under the Order, including, the obligation to fund an Environmental Benefit Project to plug orphaned wells. By the end of 2006, \$100,000 of the \$275,000 due by July 2008 had been paid into a dedicated account.

Permit Applications

In 2006 Division staff finalized three underground storage permits. Including those three projects, staff were engaged in reviewing seven permit applications submitted during 2006 and previous years. The applications included three from National Fuel Gas Supply Corp. (NFGSC) and one apiece from Inergy (originally submitted by BPSI), NYLPG, Wyckoff Gas Storage Company, LLC (Wyckoff), and Central New York Oil and Gas, LLC (CNYOG).

The Division issued a permit to Wyckoff for a new natural gas storage facility in the Onondaga and Oriskany formations at a former gas production field in Steuben County. The Division also issued permits to NYLPG and CNYOG for capacity increases at their existing facilities in Cortland and Tioga counties, respectively.

In addition to conducting its own review of the Wyckoff and CNYOG projects, the Department participated as a cooperating agency in the Federal Energy Regulatory Commission's (FERC) process. Division staff provided input to FERC for the Environmental Assessments on both projects and accompanied FERC reviewers on a site visit to CNYOG's Stagecoach field.

FERC only has jurisdiction over interstate natural gas facilities, and therefore was not involved with the NYLPG liquefied petroleum gas storage permitting project.

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 2.09 billion gallons of brine in 2006, an increase of 32% from 2005. These solution mining facilities are located in Wyoming County (3) and Schuyler County (2).

In 2006 solution mining operators submitted 11 drilling permit applications, compared to 12 applications in 2005. Thirteen solution mining wells were plugged in 2006.

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).

Geothermal

The high prices of our main energy sources, gas and oil, are resulting in significant private sector investment in geothermal (heat exchange) wells. In 2006, 53 geothermal well drilling applications were submitted, over twice the number for 2005. The Division issued 34 geothermal well permits during the year for New York City, and Westchester and Essex counties.

Stratigraphic

In 2006 DEC received 16 stratigraphic well permit applications, 10 of which were associated with the New York City water tunnel project. Statewide, the Division issued 22 stratigraphic well drilling permits, up from 13 drilling permits in 2005. Four stratigraphic wells were plugged in 2006.



This is a view inside a wooden box of cores 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.

For example, in recent years New York City has drilled a number of wells to assist with its water tunnel construction projects.



Photo courtesy of Pioneer Oil Museum, Bolivar New York

Before DEC Regulation - This photograph of Richburg, New York (Allegany County) taken long before DEC regulation shows just how densely wells used to be spaced. At least 25 well derricks are visible in just this one small section of the village. The rule of capture reigned; this meant to get the oil and gas under your land you had to drill your own well. This led states to adopt oil and gas conservation statutes and regulations setting forth efficient well spacing to maximize resource recovery and provide just and reasonable compensation to resource owners.

2006 New York Mined Land Reclamation Program At a Glance

Active Mines
2,215

Approx. Value
\$1.1 Billion

U.S. Quantity Rank

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

Affected & Reclaimed Land

Net Affected Acreage	49,214
Life-of-Mine Acreage	115,126
Reclaimed, 2006	997
Reclaimed Since 1975	25,615

Common Mine Types

Sand & Gravel	1,838
Limestone	100
Bluestone	64
Sandstone	21

Owner Type

Industry	1,739
Government	476
- Local Govt.	461
- State Govt.	15

Financial Security

For Reclamation
\$122,102,664

Annual Regulatory Fees

\$2,704,863

Regulated Vs. Unregulated Mines

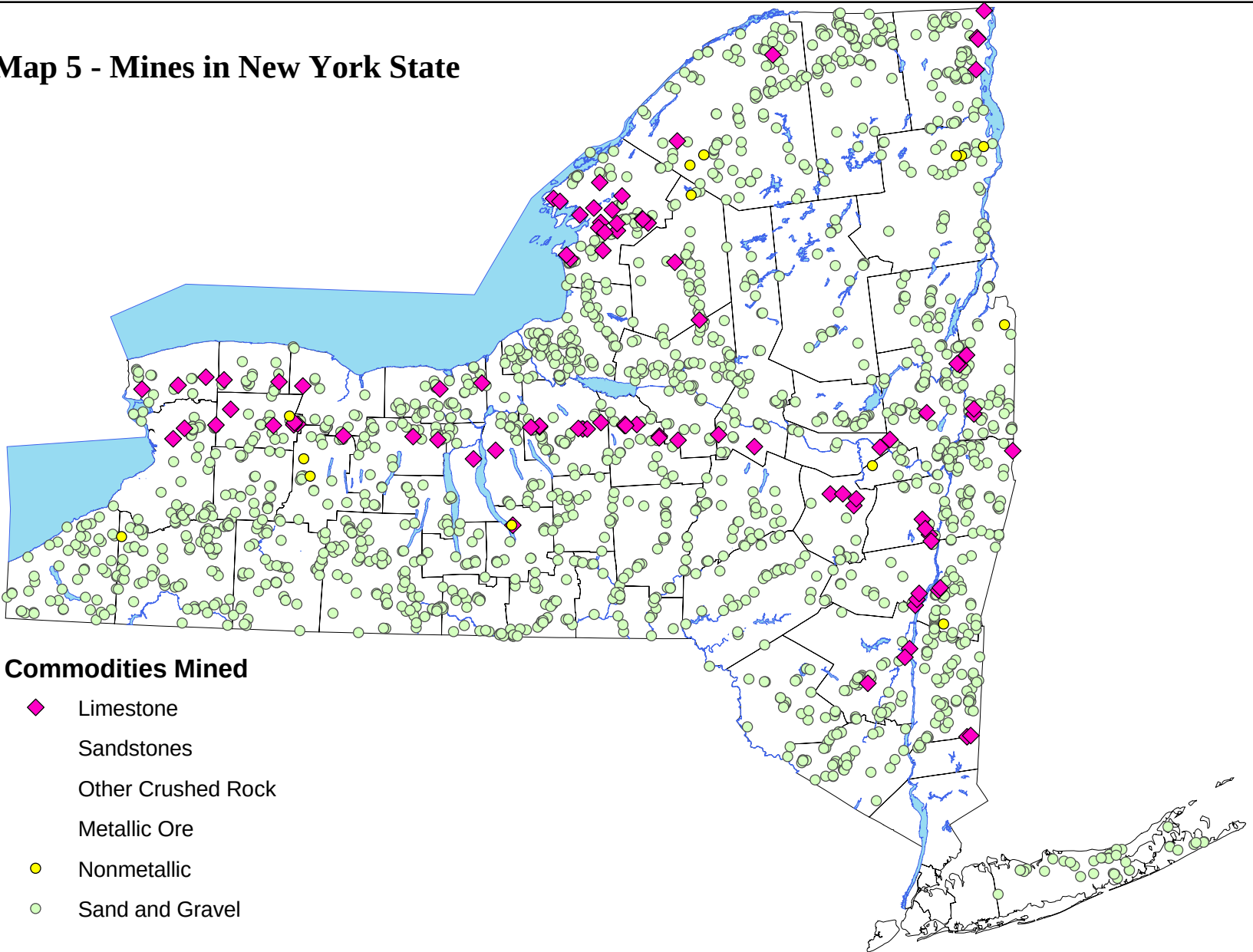
DEC's statistics in this Annual Report cover only mines regulated under the Mined Land Reclamation Law as described at the right. New York also has many unregulated mines (active & abandoned) that fall outside the law's jurisdiction. Most of these are small mines and/or mines that predate the 1975 law.

Miners 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 (grandfathered) from the law.

Map 5 - Mines in New York State



Mined Land Reclamation Program Overview

Types of Mines in New York

In 2006 New York had 2,215 active mines. The vast majority of these mines produce sand and gravel or other surficial deposits such as glacial till, clay or topsoil. However, roughly 250 hardrock mines produce materials ranging from limestone, shale and salt, to less common products such as wollastonite and talc. Most of the hardrock mines are surface quarries, but there are also a few permitted underground mines.

Permits Issued 2006

Sand and gravel mines were the most common type of mine permitted in 2006 (see Table 8). The Division issued 47 permits for new mines and 327 renewals or modifications, for a total of 374 permits (see Table 9). Table 11 starting on page 29 gives a more detailed breakdown of permits by county.

Mining permits are issued for annual terms of five years or less and may be renewed. A renewal permit allows continued operation of the mine within approved limits. A modification permit authorizes changes, such as addition of processing equipment or expansion of the mine's surface area or depth beyond the original approved limits.

Table 8 - New Mines, 2006	
Sand & Gravel	31
Topsoil	5
Granite	3
Limestone	3
Bluestone	3
Peat	1
Shale	1

Geographic Distribution of Mines

Map 5 on page 26 shows that mines can be found statewide; in 2006 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 with a 1,718,848 square-acre area, is 15 times larger than Rockland County. While St. Lawrence County had a relatively high total of 2,209 net affected acres under mining permit in 2006, that represented just 0.13% of the County's land.

Therefore, Table 10 ranks counties by the percent of their land surface under permit. It shows that mining activity is concentrated near heavily populated areas which require larger quantities of mineral resources for roads and buildings.

In 2006 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 0.41%. For most of the counties with active mines, less than 0.25% of their land is affected by mining.

Table 9 - Permits, 2002 to 2006					
	2002	2003	2004	2005	2006
New Permits	56	51	55	66	47
Renewals & Modifications	367	538	420	345	327
Total Permits	423	589	475	411	374

Owner Type

In 2006 industry operators owned 1,739 mines or slightly over 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 2006 there were 53 county-owned mines and 408 belonging to towns, villages and other small local government entities.

In addition to owning roughly one-fifth 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 2006 the Division collected \$2,704,863 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.

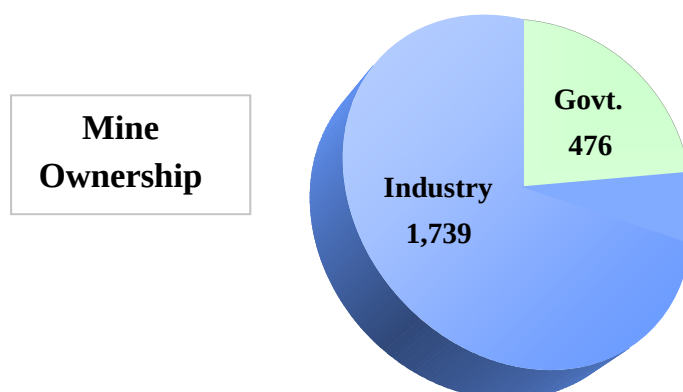


Table 10 - Counties with Highest Percentage of Land Under Mining Permit, 2006

County	Population Ctr. Nearby	Active Mines	Net Affected Acreage	Land Percent
Onondaga	Syracuse	44	2,030	0.41%
Rockland	New York City	4	433	0.39%
Genesee	Buffalo	25	1,227	0.39%
Dutchess	New York City	60	1,942	0.38%
Ontario	Rochester	43	1,568	0.38%
Rensselaer	Capital/ Tri-City	57	1,594	0.38%
Albany	Capital/ Tri-City	18	1,213	0.36%

Table 11 - Number of Permits and Acreage by County

<u>County</u>	2006 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres²</u>	<u>Number</u>	<u>Acres²</u>
Albany	0	0	18	1,213
Allegany	1	1	47	474
Broome	2	13	46	714
Cattaraugus	1	15	74	1,930
Cayuga	0	0	25	398
Chautauqua	2	6	56	421
Chemung	0	0	25	426
Chenango	0	0	44	725
Clinton	2	58	61	915
Columbia	1	15	38	995
Cortland	1	5	21	363
Delaware	0	0	85	804
Dutchess	2	13	60	1,942
Erie	0	0	50	1,934

¹ Includes all regulated mines

² Net affected acreage

<u>County</u>	2006 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres²</u>	<u>Number</u>	<u>Acres²</u>
Essex	0	0	44	651
Franklin	2	7	70	626
Fulton	0	0	26	360
Genesee	0	0	24	1,227
Greene	0	0	23	1,002
Hamilton	0	0	22	121
Herkimer	0	0	54	1,244
Jefferson	4	41	84	1,777
Lewis	0	0	44	518
Livingston	0	0	25	1,133
Madison	1	16	25	520
Monroe	0	0	14	791
Montgomery	0	0	9	559
Niagara	0	0	15	662

Table 11 - Number of Permits and Acreage by County, (continued)

<u>County</u>	2006 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres</u> ²	<u>Number</u>	<u>Acres</u> ²
Oneida	2	10	63	1,238
Onondaga	0	0	43	2,030
Ontario	2	29	42	1,568
Orange	0	0	49	779
Orleans	0	0	20	631
Oswego	2	24	107	1,584
Otsego	1	7	38	526
Putnam	0	0	4	70
Rensselaer	3	27	59	1,594
Rockland	0	0	4	433
Saratoga	0	0	63	1,404
Schenectady	1	13	9	235
Schoharie	0	0	18	477
Schuyler	2	42	13	276

<u>County</u>	2006 New Permits ¹		Total Permits ¹	
	<u>Number</u>	<u>Acres</u> ²	<u>Number</u>	<u>Acres</u> ²
Seneca	0	0	6	427
St. Lawrence	4	141	118	2,209
Steuben	2	19	81	1,960
Suffolk	0	0	37	1,125
Sullivan	0	0	29	1,037
Tioga	0	0	37	886
Tompkins	1	11	14	241
Ulster	1	3	51	746
Warren	1	3	36	633
Washington	4	25	59	847
Wayne	2	6	46	1,044
Westchester	0	0	1	4
Wyoming	0	0	25	185
Yates	0	0	12	159

¹ Includes all regulated mines² Net affected acreage

Trends in Mine Size and Number

Mine renewal and modification permits issued in 2006 ranged in size from 1 to 278 acres. However, new mines tend to be smaller; nearly 70 percent of new mines permitted in 2006 were 10 acres or less in size. The largest new mine was the 126-acre Livingston Topsoil mine in St. Lawrence County belonging to Seaway Timber Harvesting, Inc.

Table 12 gives 2001-2006 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 covered under successive mined land permits for the site minus the acreage reclaimed over the years. In 2006 the total affected land authorized for mineral extraction under current permits was 49,214 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 2006 this total life-of-mine area, which also includes past reclaimed acreage, was 115,126 acres.

Reclaimed Acres - In 2006 the Division approved final reclamation of 423 acres at 68 closed mines and concurrent reclamation of 574 acres at 78 operating mines. Table 13 on page 34 summarizes 2006 reclamation by County. Since 1975 a total of 25,615 acres of mined land have been reclaimed, including 997 acres reclaimed in 2006.

Table 12 - Range of Existing Mine Sizes, 2001-2006*

	<u>2001</u>	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>
Minor Projects	87	82	80	78	81	80
0 to 5 Acres	852	814	751	712	683	652
>5 to 10 Acres	605	584	549	532	531	531
>10 to 20 Acres	441	449	446	442	439	439
>20 to 30 Acres	166	178	172	179	179	169
>30 Acres	308	310	319	329	336	344
Total Mines	2,459	2,417	2,317	2,272	2,249	2,215

* 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. Once the Division permits a proposed land-use objective in a mined land reclamation plan, the mine operator may not change it without a permit modification.

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 strongly promotes concurrent reclamation, particularly for mines over 10 acres. Concurrent reclamation 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. See Table 13 on page 34 for a breakdown of reclamation type by county.

Financial Security Requirements Increasing

Municipal and other government operations are exempt from financial security requirements. However, private sector mine operators are required to post financial security to guarantee reclamation of their mines. At the end of 2006 the Division held roughly \$122.1 million in financial security, an increase of \$14.6 million from 2005.

In the rare case where a mine operator fails to reclaim a mine, the Division calls the financial security and reclaims the land. The Department's recent reclamation projects revealed that posted bond amounts have not kept pace with rising costs over the years. As a result, the Division conducted a detailed analysis of financial security on file versus actual reclamation costs. In 2006 the

average statewide financial security amount was assessed at \$2,791 per acre, but the average reclamation liability was calculated at \$6,328 per acre. Therefore, in 2006 the Division embarked on a focused program to increase financial security amounts statewide for new permits, as well as permit renewals, modifications and transfers.

The Division's figures were based on careful analysis of contractor's estimates for past reclamation projects, as well as published industry standard figures for labor, materials and equipment. Staff now estimate reclamation costs according to a set methodology that applies statewide; it takes into account the final land-use objective, the total number of disturbed acres, and the cost of:

- equipment mobilization
- backfilling, grading and slope treatment
- refuse disposal
- personal property removal
- building demolition
- drainage and erosion control
- topsoil and fertilizer, and
- revegetation

Reclamation estimates that staff completed in 2006 usually exceeded \$5,000 per acre unless the reclamation objective included development of a water body on a substantial portion of the disturbed site. As more project reviews result in new estimates, it is anticipated that the average financial security will continue to rise to the Division's goal of \$5,000-\$6,000 per acre.

Reclamation Related Links

Revegetation Procedures Manual
www.dec.ny.gov/lands/5401.html

Technical Guidance on Creating Wetlands
www.dec.ny.gov/lands/5403.html



The formerly active part of the mine in the background has already been graded and revegetated at this site in Dutchess County. The Division of Mineral Resources strongly promotes concurrent reclamation.

Compliance and Enforcement

Inspections

In 2006 Mined Land staff performed 2,021 mine inspections and traveled 174,709 miles. Staff inspect mine sites:

- during permit application review,
- during operation 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 2006 the Mined Land Program collected \$186,050 in fines and penalties for 47 cases.



Mined Land inspections are conducted year-round. Here an inspector sets out on snowshoes to check a mine in Onondaga County.

Table 13 - Reclamation Acreage Summary, 2006

County	Concurrent	Final	Total
Albany	0	0	0
Allegany	16.0	10.0	26.0
Broome	46.3	0	46.3
Cattaraugus	0	0	0
Cayuga	0	15.0	15.0
Chautauqua	0	16.0	16.0
Chemung	7.5	19.0	26.5
Chenango	24.7	3.0	27.7
Clinton	26.1	1.0	27.1
Columbia	6.5	0	6.5
Cortland	21.2	0	21.2
Delaware	1.8	15.0	16.8
Dutchess	14.5	0	14.5
Erie	2.8	1.0	3.8
Essex	2.0	0	2.0
Franklin	2.0	15.5	17.5
Fulton	0	1.0	1.0
Genessee	0.4	4.5	4.9
Herkimer	0	4.0	4.0
Jefferson	48.1	39.5	87.6
Lewis	1.5	25.3	26.8
Livingston	62.6	7.0	69.6
Madison	5.0	27.0	32.0
Monroe	2.1	0	2.1
Montgomery	5.5	0	5.5
Niagara	0	2	2.0

County	Concurrent	Final	Total
Oneida	8.4	35	43.4
Onondaga	40.0	4.0	44.0
Ontario	17.3	47.0	64.3
Orange	33.0	0	33.0
Orleans	0	0	0
Oswego	50.5	22	72.5
Otsego	4.5	5.0	9.5
Putnam	0	0	0
Rensselaer	10.0	0	10.0
Saratoga	1.9	22.3	24.2
Schoharie	0	1.5	1.5
Schuyler	35.7	0	35.7
Seneca	30.9	0	30.9
St. Lawrence	2.5	14.6	17.1
Steuben	5.8	2.8	8.6
Suffolk	6.0	7.0	13.0
Sullivan	3.0	3.0	6.0
Tioga	3.7	2.0	5.7
Tompkins	0	7.0	7.0
Ulster	0	0	0
Warren	1.0	6.0	7.0
Washington	1.0	0	1.0
Wayne	14.0	36.0	50.0
Wyoming	0	2.0	2.0
Yates	7.9	0	7.9
Statewide	573.7	423.0	996.7

Flash Presentation

Restoring Mined Land



One of the guiding principles of the Mined Land Reclamation program is that once mining is completed, the site must be returned to productive use. Check out our Flash presentation at www.dec.ny.gov/lands/33251.html for details on how the Division of Mineral Resources ensures compatible and complete restoration of mined land.



New York State 2006 Mineral Fact Sheets

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

www.dec.ny.gov



Eliot Spitzer, Governor

Pete Grannis, 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. The federal agency's schedule for publishing survey results varies by commodity and tends to run one to three years behind. Therefore, USGS production and ranking information included in this section ranges in date from 2004 to 2006. While figures from a single year would be preferable, USGS ranking of minerals both within New York and nationwide tends to remain the same or change only slightly from year to year. The production figures should also be treated as minimums since the surveys do not cover every mine operator producing a particular commodity and not every operator responds resulting in need for estimates. USGS also regularly revises its statistics as more information becomes available. However, the figures are still very valuable for showing rough levels of production for New York's major mined commodities.

As far as economic importance within the State, USGS reported that in 2004 crushed stone remained New York's leading non-fuel mineral, and salt moved 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. USGS noted that other important minerals mined in New York include bluestone, sandstone, granite, shale, slate and clay.

Looking at the picture nationwide, USGS reported for 2004 that New York retained its first-place rank for quantity of industrial garnet. 2005 statistics showed that New York remained the only wollastonite producing state in the country and continued to rank second in the quantity of sandstone (including bluestone) produced. For 2005 USGS also reported that New York continued to rank third in nationwide production of salt. USGS's figures for 2006 show that New York remained in 4th place for quantity of talc.



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
- 4th in talc



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



Sand and gravel mines are New York's most common type of mine with 1,838 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 2005 New York's production of construction grade sand and gravel decreased roughly 6% to 31,100,000 metric tons. The value rose to \$204 million, an increase of 8% from the previous year. The vast majority of this material was used for road and building construction and maintenance. Figures for 2006 are not yet available from USGS.

Table 1 - Sand and Gravel Mines Over 125 Permitted Acres, 2006

<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
Peckham Materials Corp.	Warren	Chester	183
Valley Sand & Gravel, Inc.	Livingston	Caledonia	172
Coram Materials Corp.	Suffolk	Brookhaven	160
Hanson Aggregates NY, Inc.	Herkimer	Russia	160
F S Lopke Contracting, Inc.	Tioga	Tioga	158
Lafarge North America, Inc.	Cattaraugus	Freedom	149
Hanson Aggregates NY, Inc.	Ontario	Phelps	149
Gernatt Asphalt Products, Inc.	Erie	Sardinia	148
Buffalo Crushed Stone, Inc.	Cattaraugus	Farmersville	146
JML Quarries, Inc.	Sullivan	Mamakating	136
Blades Construction Products	Steuben	Howard	135

Table 1 - Sand and Gravel Mines Over 125 Permitted Acres, 2006 (Continued)

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Graymont Materials NY, Inc.	Clinton	Schuyler Falls	135
Hanson Aggregates NY, Inc.	Steuben	Bath	134
Knight Settlement S & G, Inc.	Steuben	Bath	134
Material Sand & Gravel	Herkimer	Russia	133
I A Construction Corp.	Cattaraugus	Allegany	128
Hanson Aggregates NY, Inc.	Ontario	Victor	127

Table 2 - Largest Sand and Gravel Mine Operators, Total Permitted Acres, 2006

<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	1,890
Lafarge North America, Inc.	Cattaraugus, Erie, Genesee, Wyoming	579
Buffalo Crushed Stone, Inc.	Allegany, Cattaraugus, Genesee	550
Graymont Materials NY, Inc.	Clinton, Essex, Franklin, Hamilton, St. Lawrence	531
Gernatt Asphalt Products, Inc.	Erie, Cattaraugus, Chautauqua	486
F S Lopke Contracting, Inc.	Tioga, Broome	479
Dalrymple Gravel & Constructing	Steuben, Chemung	457
Callanan Industries, Inc.	Albany, Rensselaer	422
Cranesville Aggregate Co., Inc.	Columbia, Fulton, Jefferson, Saratoga, Schenectady	412
Country Side S & G, Inc.	Cattaraugus, Chautauqua	395

New York Limestone & Dolostone

Limestone and dolostone make up the second biggest category of New York mines with 100 scattered across the State. These mines produce roughly 90% of the stone sold in New York State. They collectively encompass 12,554 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.

USGS figures for 2005 show New York production of crushed stone remained the same as 2004 at 52,700,000 metric tons, but the value of that stone increased nearly, 28% to \$445 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.

USGS last published cement figures for New York in 2001 when the State produced almost 3 million metric tons of cement worth over \$230 million. New York remains an active cement manufacturer with production concentrated in the upper Hudson Valley area where a relatively pure limestone is quarried from the Coeymans formation. In 2004 USGS still listed cement (portland and masonry) in New York State's top five most valuable non-fuel mineral products.

Table 3 - Limestone and Dolostone Mines Over 250 Permitted Acres, 2006

<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

Table 3 (Continued) - Limestone & Dolostone Mines Over 250 Permitted Acres, 2006

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Buffalo Crushed Stone, Inc.	Genesee	Alabama	264
Hanson Aggregates NY, Inc.	Oneida	Marshall	264
Hanson Aggregates NY, Inc.	Jefferson	Pamelia	263
Seneca Stone Corp.	Seneca	Fayette	259
Callanan/ Iroquois Rock Prod.	Monroe	Sweden	251

Table 4 - Largest Limestone & Dolostone Mine Operators, Total Acres*, 2006

<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	3,251
Callanan Industries, Inc.**	Albany, Monroe, Montgomery, Madison Ulster	1,035
Buffalo Crushed Stone, Inc.	Erie, Genesee	1,013
Tilcon NY, Inc.	Dutchess, Rockland, Ulster	838
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, Oneida, St. Lawrence	589
Redland Quarries NY, Inc.	Niagara	489
Glens Falls Lehigh Cement Co.	Greene, Saratoga	416
Cobleskill Stone Products, Inc.	Schoharie	300
Seneca Stone Corp.	Seneca	259

* Acres Under Permit

** Includes Callanan dba Iroquois Rock Products

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

New York Garnet

USGS statistics for 2004 showed that New York State continued to rank 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 its main product, wollastonite.

Table 5 - New York Garnet Mine, Permitted Acres, 2006

<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 between 20-25 percent 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 quoted industry experts who estimated that the country's, and therefore New York's, production was less than 125,000 metric tons per year in 2005 (USGS statistics from previous years quote a range of 115,000 to 127,000 metric tons). 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.

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

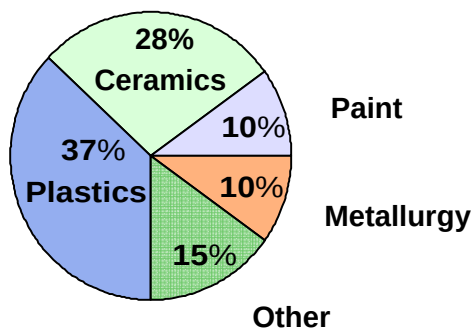


Table 6 - New York Wollastonite Mines, Permitted Acres, 2006

<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. 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 2005 the U.S. Geological Survey estimated New York's combined salt output from underground mines and solution salt mining wells at roughly 6.84 million metric tons worth \$327 million. New York's estimated brine production figures for 2004 subtracted from the total leave an estimated rock salt production of roughly 4.36 million metric tons. USGS statistics for 2005 showed that New York continued to rank third nationally in salt production. Within the State, salt typically ranks third in the value of New York's nonfuel 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 mines 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.



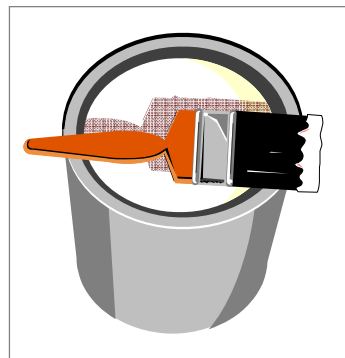
Worker installing roof bolts at Cargill's Lansing Mine. Photograph by Simon A. Wheeler, Elmira Star Gazette 2002, copyright 2004.

Table 7 - New York Underground Salt Mines, Permitted Acres, 2006

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

New York Talc

For 2006 USGS reported that New York ranked fourth in the country in the quantity of talc produced. 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, 2006

<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

New York has historically been a major zinc producer with 2 of the top 10 zinc mines in the country and a State rank of third or fourth in quantity of zinc produced. However, in 2001 the Pierrepont mine was permanently closed and reclaimed. The Balmat mine was also temporarily shut down in 2001 when the global price for zinc concentrate plunged to \$0.32 a pound. In 2005 the mine was sold to a Canadian company with the goal of reopening it when prices rose again. In 2006 zinc prices soared to near \$2 a pound and settled in the \$1.50 to \$1.65 range, once again making mining economical at this site. Preparations are being made to reopen this facility and to resume mining zinc. The use of older traditional underground mining methods will hopefully reduce the amount of waste rock and increase the percent of marketable zinc produced from the ore.

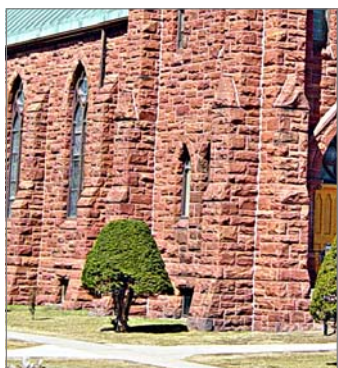
New York Sandstone

In 2006 there were 21 mines in New York producing sandstone which is widely found across the State in the form of sedimentary sandstones, graywacke, metamorphic quartzite and conglomerate. For 2005 USGS ranked New York second nationwide in the production of sandstone dimension stone (blocks and slabs), taking into account the subcategory of bluestone covered on the next page. Sandstone mine operators produce 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 a roughly 40-mile long trend in Sullivan and Delaware Counties (total 659 permitted acres).

Table 9 - Sandstone Mines Over 50 Permitted Acres, 2006

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Callanan Industries, Inc.	Sullivan	Thompson	375
E. Tetz & Sons, Inc.	Sullivan	Thompson	161
Cobleskill Stone Products, Inc.	Delaware	Hancock	123
Callanan Industries, Inc.	Rensselaer	Brunswick	76
Hanson Aggregates NY, Inc.	Orleans	Murray	68
Blades Construction Products	Steuben	Bath	64
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 2006 there were 64 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 or is cut with a saw 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, 2006

<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. Kamp	Broome	Sanford	15
Kenneth Decker	Broome	Conklin	15

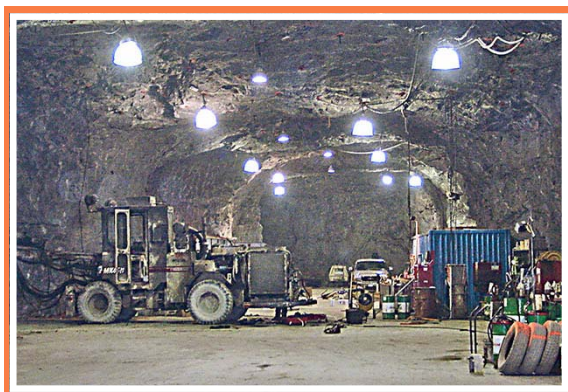
New York Granite

In 2006 there were 21 granite mines operating mostly in the Adirondack and Taconic regions. Washington County, with 9 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 (it's also found on the moon). Granitic gneiss is a banded form of granite.

Table 11 - Granite Mines Over 20 Permitted Acres, 2006

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Peckham Materials Corp.	Saratoga	Greenfield	104
Hanson Aggregates NY, Inc.	Oneida	Forestport	100
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
2006
Appendix 1 – Oil & 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 STATISTICS ¹
(1997 - 2006)

Annual Production	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Oil (1,000 bbl)	276	217	193	181	183	179	157	184	211	319
Gas (mmcf)	16,189	16,608	16,836	17,808	28,020	37,133	36,025	46,948	55,156	55,342

Well Statistics

Oil	3,478	3,739	3,463	2,962	3,373	3,106	3,117	3,153	2,767	3,190
Gas	5,741	5,903	5,756	5,775	5,949	5,773	5,906	6,076	5,957	6,213
Inactive Oil	1,265	1,590	1,165	1,340	1,416	1,343	1,547	1,640	1,401	1,373
Inactive Gas	709	579	583	850	843	929	832	886	781	839
Storage	867	885	885	870	877	905	908	908	932	936
Active Brine	65	79	87	93	94	96	106	113	96	98
Inactive Brine	70	57	57	61	52	51	38	17	40	35
Water Injection	554	471	223	667	568	434	683	656	460	517
P&A (During Year)	187	169	138	131	79	146	142	145	150	213
Number of Wells	12,936	13,472	12,357	12,749	13,251	12,783	13,279	13,594	12,584	13,414

Drilling & Completions

1. Total Wells Spudded	91	74	101	128	139	109	137	181	314	540
2. Total Wildcats	3	25	23	22	15	40	35	53	31	41
3. Discoveries	2	5	6	129	123	60	60	126	199	369
Oil Wildcat	1	0	0	0	0	0	1	0	0	0
Gas Wildcat	1	5	7	9	4	10	10	14	17	17
4. Total Dry Holes	3	20	21	16	24	32	25	28	18	7
5. Oil										
Development	29	7	25	17	25	17	28	56	93	174
Extension	0	0	0	0	0	0	0	0	2	2
6. Gas										
Development	20	30	15	98	80	28	19	40	82	165
Extension	1	6	6	5	14	5	3	16	5	11
7. Injection	0	0	0	0	0	0	0	0	2	2
8. Disposal	0	0	0	0	0	0	0	0	0	0
9. Stratigraphic	0	0	6	1	1	1	15	9	0	24
10. Service	0	0	0	0	0	0	0	0	0	0
11. Brine	12	19	7	13	15	10	11	15	14	19
12. Storage	1	3	0	0	5	15	3	1	4	16
13. Geothermal	2	0	0	0	6	1	6	6	14	11
13a. Suspended wells ²								3	10	5

14. Total Completions

(3,4,5,6,7,8,9,10,11,12, 13, 13a)

Footage (1,000's) Vertical Wells ³	207	276	261	534	608	266	248	394	673	1,116
Deviated Wells ³	3	28	43	88	99	93	91	272	238	327

15. Total Footage Drilled

	210	304	304	622	707	359	339	665	911	1,443
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Proven Reserves at Year End

Gas (mmcf)										
A. In Situ	192,546	189,342	65,160	96,273	174,014	307,214	163,559	208,707	190,300	212,766
B. In Storage Reservoirs	154,496	165,112	157,210	147,313	164,313	162,099	176,936	161,732	169,290	183,316
C. Total	347,042	354,454	222,370	243,586	338,327	469,313	340,495	370,439	359,590	396,082
Oil (1000 bbls)	2,645	2,428	846	783	1,189	1,069	1,066	1,056	1,205	1,910

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.³ Footage drilled data revised for 2004 - 2006

Statistics computed on July 10, 2007

Division of Mineral Resources Oil and Gas Statistics, 1997 - 2006.

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Oil and Gas Production by Town in Each County, 2006

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	0	1	1	0	0	0	0
Allen	1,700	0	0	1	1	0	0	0	0
Alma	8,380	3,372	530	25	0	123	102	10	43
Almond	1,315		1	1	0	0	0	0	0
Amity	33,957	0	458	2	1	0	4	0	0
Andover	37,191	6,811	352	2	14	123	13	0	0
Angelica	333	0	0	1	0	0	0	0	0
Bolivar	207	3,688	186,252	0	8	269	456	17	83
Centerville	0	0	0	0	1	0	0	0	0
Clarksville	350	22	12	0	0	6	50	0	27
Cuba	0	0	0	0	0	0	0	0	0
Friendship		0	0	0	0	0	1	0	0
Genesee	911	1,102	1,347	4	6	72	97	0	73
Granger	333	0	0	1	0	0	0	0	0
Independence	144,604	14,746	21,075	7	0	269	4	12	0
New Hudson	0		0	0	1	0	0	0	0
Rushford	0	0	0	2	0	0	0	0	0
Scio	5,064	440	630	2	4	74	94	0	56
Ward	210	0	0	3	0	0	24	0	8
Wellsville	831	3,219	152	0	0	60	68	0	18
Willing	0	111	0	1	0	7	31	0	0
Wirt	380	538	738	0	3	105	25	0	0
County Total	235,766	34,049	211,547	53	40	1,108	969	39	308
Broome County									
Fenton	0	0	0	0	0	0	0	0	0
Kirkwood	8,247	0	1,080	1	0	0	0	0	0
Triangle	0		0	0	1	0	0	0	0
County Total	8,247	0	1,080	1	1	0	0	0	0
Cattaraugus County									
Allegany	474,709	159,378	325,037	8	1	731	113	100	10
Ashford	10,845	153	0	16	4	2	0	0	0
Carrollton	18,386	61,164	11,548	5	0	545	108	18	2
Cold Spring	0	0	0	0	5	0	0	0	0
Conewango	151,914	0	0	78	1	0	1	0	0
Dayton	110,912	0	54	54	6	0	0	0	0
East Otto	7,271	0	17	6	0	0	0	0	0
Ellicottville	8,197	0	60	11	1	0	0	0	0
Farmersville	172	40	140	2	0	4	0	0	0
Freedom	14,843	514	1	7	3	1	0	0	0
Great Valley	0		0	1	0	0	0	0	0
Hinsdale		16	0	0	0	4	0	0	0
Leon	213,136	0	144	83	4	0	0	0	0
Little Valley	0		0	2	0	0	0	0	0
Machias	100	0	0	1	1	0	0	0	0
Mansfield	0		0	1	0	0	0	0	0
Napoli	945		0	2	0	0	0	0	0
New Albion	14,280		28	11	6	0	0	0	0
Olean	8,604	7,668	323	5	0	124	99	0	23

Oil and Gas Production by Town in Each County, 2006

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									
Olean City	544	0	0	1	0	0	0	0	0
Otto	71,947	152	483	70	1	0	0	0	0
Perrysburg	206,334	0	468	31	7	0	0	0	0
Persia	92,407	0	3	59	39	0	0	0	0
Portville	0		0	1	0	0	0	0	0
Randolph	70,535	523	4	81	3	1	0	0	0
South Valley	1,027	0	12	2	0	0	0	0	0
Yorkshire	18,009	4	2	16	6	0	0	0	0
County Total	1,495,117	229,612	338,324	554	88	1,412	321	118	35
Cayuga County									
Auburn City	0		0	0	1	0	0	0	0
Aurelius	429,853	0	419	144	2	0	0	0	0
Cato	0	0	0	0	0	0	0	0	0
Conquest	0	0	0	0	0	0	0	0	0
Fleming	55,765	0	250	34	2	0	0	0	0
Genoa	0		0	0	0	0	0	0	0
Ledyard	1		0	2	0	0	0	0	0
Owasco	0	0	0	2	0	0	0	0	0
Scipio	0		0	1	0	0	0	0	0
Sennett	253	0	0	1	4	0	0	0	0
Springport	291,086	0	243	108	7	0	0	0	0
Throop	6,071	0	0	9	0	0	0	0	0
Venice	0	0	0	0	0	0	0	0	0
County Total	783,029	0	912	301	16	0	0	0	0
Chautauqua County									
Arkwright	103,692	0	1,178	118	9	0	0	0	0
Busti	337,985	11,678	2,080	132	7	422	48	0	0
Carroll	120,566	0	46	60	4	0	3	0	0
Charlotte	299,222	949	6,076	112	16	1	0	0	0
Chautauqua	475,379	0	5,178	316	8	0	0	0	0
Cherry Creek	209,388	0	1,208	115	10	0	0	0	0
Clymer	210,790	767	9,826	117	14	3	2	0	0
Dunkirk	79,342	0	493	37	5	0	0	0	0
Dunkirk City	10,717	0	28	6	1	0	0	0	0
Ellery	101,314	604	3,507	71	10	9	6	0	0
Ellicott	188,410	10	309	57	1	1	0	0	0
Ellington	301,479	0	1,005	173	7	0	0	0	0
French Creek	36,527	0	1,127	51	14	0	0	0	0
Gerry	219,588	5,059	7,531	131	26	12	5	0	0
Hanover	136,174	0	1,261	94	9	0	0	0	0
Harmony	221,336	0	12,343	105	20	0	0	0	0
Jamestown	5,836		0	4	0	0	0	0	0
Kiantone	574,622	0	1,394	80	0	0	0	0	0
Mina	73,155	0	1,693	70	2	0	0	0	0
North Harmony	293,837	4,844	16,549	130	25	14	2	0	0
Poland	392,478	190	1,459	128	2	0	0	0	0
Pomfret	206,148	0	895	170	21	0	0	0	0
Portland	200,149	0	113	136	5	0	0	0	0
Ripley	222,996	0	1,530	182	6	0	0	0	0
Sheridan	129,137	0	735	81	17	0	0	0	0

Oil and Gas Production by Town in Each County, 2006

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									
Sherman	137,127	470	6,431	83	4	0	0	0	0
Stockton	114,461	0	556	111	1	0	0	0	0
Villanova	55,527	0	681	55	4	0	0	0	0
Westfield	411,308	0	1,768	261	10	0	0	0	0
County Total	5,868,690	24,571	87,000	3,186	258	462	66	0	0
Chemung County									
Big Flats	5,282,526		4,702	4	1	0	0	0	0
Catlin	4,527,809		7,519	9	2	0	0	0	0
Elmira	0		0	0	1	0	0	0	0
Elmira City	2,630	0	0	1	0	0	0	0	0
Erin	1,766,827	0	84,686	5	1	0	0	0	0
Southport	2,972,163	0	26,335	3	1	0	0	0	0
Van Etten	5,519,173	0	6,376	8	1	0	0	0	0
Veteran	2,726,668		7,084	6	0	0	0	0	0
County Total	22,797,796	0	136,702	36	7	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	4,025	0	0	2	2	0	0	0	0
County Total	4,025	0	0	2	7	0	0	0	0
Cortland County									
Homer	0	0	0	0	1	0	0	0	0
Scott	0	0	0	0	0	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	0	1	0	0	0	0
County Total	0	0	0	0	1	0	0	0	0
Erie County									
Alden	61,865	0	456	55	10	0	0	0	0
Amherst	0		0	0	1	0	0	0	0
Aurora	36,428	0	0	40	23	0	0	0	0
Boston	13,267	0	107	31	8	0	0	0	0
Brant	132,497	0	887	100	14	0	0	0	0
Buffalo	0	0	0	0	3	0	0	0	0
Cheektowaga	9,559	0	4	11	3	0	0	0	0
Clarence	824	0	1	6	2	0	0	0	0
Colden	3,153	0	1	10	12	0	0	0	0
Collins	12,607	0	41	8	12	1	0	0	0
Concord	139,135	0	1,226	61	20	0	0	0	0
Eden	105,476	0	1,143	133	10	0	0	0	0
Elma	83,164	0	237	50	9	0	0	0	0
Evans	118,935	0	870	95	5	0	0	0	0
Hamburg	65,009	0	5	43	37	0	0	0	0
Holland	0	0	0	3	0	0	0	0	0
Lackawanna	1,970		41	3	1	0	0	0	0

Oil and Gas Production by Town in Each County, 2006

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									
Lancaster	43,451	0	53	27	30	0	0	0	0
Marilla	29,859	0	75	32	5	0	0	0	0
Newstead	96,481	0	138	52	20	0	0	0	0
North Collins	40,071	0	99	53	19	0	0	0	0
Orchard Park	43,498	85	0	33	29	1	0	0	0
Sardinia	554,745	0	3,096	16	1	0	0	0	0
Tonawanda	0		0	0	1	0	0	0	0
Tonawanda City	0	0	0	1	1	0	0	0	0
Wales	3,884	0	90	6	13	0	0	0	0
West Seneca	26,919	0	0	4	5	0	0	0	0
County Total	1,622,797	85	8,570	873	294	2	0	0	0
Genesee County									
Alabama	16,815	0	80	21	0	0	0	0	0
Alexander	41,306	0	302	41	0	0	0	0	0
Batavia	40,621	0	780	42	0	0	0	0	0
Bergen	19	0	0	3	0	0	0	0	0
Bethany	18,244	0	700	29	3	0	0	0	0
Darien	299,483	0	1,267	205	9	0	0	0	0
Elba	908	0	0	2	0	0	0	0	0
Le Roy	2,350		79	5	0	0	0	0	0
Oakfield	10,938	0	120	12	0	0	0	0	0
Pavilion	19,331	0	437	21	4	0	0	0	0
Pembroke	206,295	0	820	123	1	0	0	0	0
Stafford	312		0	1	1	0	0	0	0
County Total	656,622	0	4,585	505	18	0	0	0	0
Herkimer County									
Stark	0	0	0	0	0	0	0	0	0
County Total	0	0	0	0	0	0	0	0	0
Livingston County									
Avon	32,216	0	410	16	0	0	0	0	0
Caledonia	50,007	0	1,503	49	1	0	0	0	0
Groveland	0		0	0	1	0	0	0	0
Leicester	6,378	0	0	9	5	0	0	0	0
Nunda	0		0	1	0	0	0	0	0
Ossian	0		0	0	1	0	0	0	0
Portage	1,699		0	2	0	0	0	0	0
Sparta	0		0	2	0	0	0	0	0
West Sparta	200	0	0	6	0	0	0	0	0
York	32,368	0	3,008	49	1	0	0	0	0
County Total	122,868	0	4,921	134	9	0	0	0	0
Madison County									
Brookfield	0		0	1	0	0	0	0	0
Eaton	3,482		7,542	4	0	0	0	0	0
Lebanon	240,768	0	44,277	20	5	0	0	0	0
Stockbridge	0	0	0	0	1	0	0	0	0
County Total	244,250	0	51,819	25	6	0	0	0	0

Oil and Gas Production by Town in Each County, 2006

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
Niagara County									
Lewiston	15		0	1	0	0	0	0	0
County Total	15		0	1	0	0	0	0	0
Oneida County									
Sangerfield	125	0	0	2	1	0	0	0	0
County Total	125	0	0	2	1	0	0	0	0
Onondaga County									
Lysander	0		0	1	0	0	0	0	0
Marcellus	0	0	0	0	2	0	0	0	0
Spafford	0	0	0	0	0	0	0	0	0
Tully	0	0	0	0	0	0	0	0	0
County Total	0	0	0	1	2	0	0	0	0
Ontario County									
Bristol	0	0	0	2	1	0	0	0	0
Canandaigua	0		0	1	1	0	0	0	0
East Bloomfield	43,774	0	21	11	1	0	0	0	0
Geneva	0	0	0	0	2	0	0	0	0
Geneva City	0	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	0	1	0	0	0	0
Richmond	413		0	1	0	0	0	0	0
West Bloomfield	3,510	0	0	2	0	0	0	0	0
County Total	47,697	0	21	17	8	0	0	0	0
Oswego County									
Richland	1	0	0	1	4	0	0	0	0
Schroeppel	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	1	0	0	3	5	0	0	0	0
Schuyler County									
Catharine	0		0	0	1	0	0	0	0
Dix	101,867	0	3,150	3	2	0	0	0	0
Montour	0		0	0	1	0	0	0	0
Orange	2,663,556		1,448	5	1	0	0	0	0
Reading	56,918	0	7,863	3	2	0	0	0	0
County Total	2,822,341	0	12,461	11	7	0	0	0	0
Seneca County									
Fayette	435,798	0	1,217	116	2	0	0	0	0
Junius	9,647	0	0	3	0	0	0	0	0
Seneca Falls	67,092	0	115	9	0	0	0	0	0
Tyre	15,413	0	20	3	0	0	0	0	0
Varick	145,165	0	112	43	0	0	0	0	0
Waterloo	0	0	0	0	1	0	0	0	0
County Total	673,115	0	1,464	174	3	0	0	0	0

Oil and Gas Production by Town in Each County, 2006

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									
Avoca	469	0	0	2	0	0	0	0	0
Bath	13,196	0	2	2	0	0	0	0	0
Bradford	1,465,564		1,507	3	0	0	0	0	0
Cameron	0	0	0	1	0	0	0	0	0
Campbell	846,889		687	0	2	0	0	0	0
Canisteo	0		0	0	1	0	0	0	0
Caton	5,620,240	0	5,334	4	0	0	0	0	0
Cohocton	72,926	0	30	4	0	0	0	0	0
Corning	6,553,032		10,907	10	1	0	0	0	0
Dansville	2,324	0	0	1	0	0	0	0	0
Erwin	713		0	1	2	0	0	0	0
Fremont	0		0	0	1	0	0	0	0
Greenwood	1,201	308	24	2	0	4	0	0	0
Hartsville	0		0	1	1	0	0	0	0
Hornby	1,790,723		2,801	6	1	0	0	0	0
Howard	0	0	0	1	1	0	0	0	0
Jasper	17,348	0	0	2	5	0	0	0	0
Prattsburg	88,349	0	1,649	5	2	0	0	0	0
Pulteney	649,345	0	1,590	11	1	0	0	0	0
Troupsburg	1,153	0	0	1	1	0	0	0	0
Urbana	0	0	0	0	0	0	0	0	0
Wayne	0	0	0	0	1	0	0	0	0
West Union	68,927	19,142	54,729	2	2	202	9	17	0
County Total	17,192,399	19,450	79,260	59	22	206	9	17	0
Tioga County									
Nichols	0		0	0	4	0	0	0	0
Owego	0	0	0	0	1	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	0	0	0	0	6	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	1	0	0	0	0
County Total	0	0	0	0	2	0	0	0	0
Wayne County									
Butler	771	0	0	2	1	0	0	0	0
Galen	242,928	0	0	3	1	0	0	0	0
County Total	243,699	0	0	5	2	0	0	0	0
Wyoming County									
Arcade	54,793	0	5	37	0	0	0	0	0
Attica	2,504		0	2	2	0	0	0	0
Bennington	102,520	0	1,474	88	1	0	0	0	0
Covington	85,062	0	932	34	4	0	0	0	0
Genesee Falls	0		0	0	1	0	0	0	0
Java	11,598	0	30	23	0	0	0	0	0
Middlebury	14,233	0	45	4	4	0	0	0	0

Oil and Gas Production by Town in Each County, 2006

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									
Perry	21,757	0	92	33	3	0	0	0	0
Pike	0	0	0	1	0	0	0	0	0
Sheldon	39,253	0	890	38	1	0	0	0	0
Warsaw	1,126		0	4	1	0	0	0	0
County Total	332,846	0	3,468	264	17	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	190,379	0	2,509	1	2	0	0	0	0
Milo	0	0	0	1	0	0	0	0	0
Potter	0	0	0	0	1	0	0	0	0
Starkey	0	0	0	0	2	0	0	0	0
Torrey	0	0	0	0	2	0	0	0	0
County Total	190,629	0	2,509	6	16	0	0	0	0
State Total	55,342,074	307,767	944,643	6,213	838	3,190	1,365	174	343

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Permits Issued During 2006

Town	Company	API Number	Well Name	Issue Date	Spud Date
Allegany					
Alma	National Fuel Gas Supply Corp.	31003004710001	Burns T SC-517A	11/27/2006	5/27/2007
Alma	National Fuel Gas Supply Corp.	31003554480001	Burns T SC-519A	11/27/2006	4/30/2007
Andover	Otis Eastern Service, Inc.	31003244110000	Joyce P & H 2	2/9/2006	2/14/2006
Andover	Otis Eastern Service, Inc.	31003244120000	Clark Road Project 2	2/9/2006	2/22/2006
Andover	Otis Eastern Service, Inc.	31003245050000	Hess J 6	4/27/2006	6/22/2006
Bolivar	Bull Dog Oil	31003246520000	Bull Dog 1	8/14/2006	9/21/2006
Bolivar	Bull Dog Oil	31003246530000	Bull Dog 2	8/14/2006	9/28/2006
Cuba	Plants & Goodwin, Inc.	31003246550000	Cabado 2	8/17/2006	11/15/2006
Independence	East Resources, Inc.	31003243950000	Cryder Creek Test Well 2	4/10/2006	7/11/2006
Independence	East Resources, Inc.	31003243970000	Cryder Creek Test Well 6	4/10/2006	7/7/2006
Independence	Nathan Petroleum, Yahn & Yahn a	31003245210000	Austin 12Y	6/13/2006	8/15/2006
Independence	Nathan Petroleum, Yahn & Yahn a	31003245220000	Austin 14Y	6/13/2006	8/7/2006
Independence	Nathan Petroleum, Yahn & Yahn a	31003245230000	Austin 15Y	6/13/2006	8/2/2006
Independence	Nathan Petroleum, Yahn & Yahn a	31003245240000	Austin 16Y	6/13/2006	8/10/2006
Independence	Nathan Petroleum, Yahn & Yahn a	31003245250000	Austin 17Y	6/13/2006	8/23/2006
Independence	Plants & Goodwin, Inc.	31003245260000	Grantier 11	7/21/2006	7/21/2006
Independence	Plants & Goodwin, Inc.	31003245270000	Grantier 12	6/16/2006	7/25/2006
Independence	Plants & Goodwin, Inc.	31003245280000	Grantier 13	6/16/2006	7/28/2006
Independence	Plants & Goodwin, Inc.	31003245290000	Mervine 46	6/16/2006	8/11/2006
Independence	Plants & Goodwin, Inc.	31003245300000	Mervine 47	6/16/2006	8/3/2006
Independence	Nathan Petroleum Corp.	31003246560000	Kear II 1	8/30/2006	9/18/2006
Independence	Nathan Petroleum Corp.	31003246570000	Nilson 1	8/30/2006	9/8/2006
Independence	Otis Eastern Service, Inc.	31003246630000	Ponderosa 3	9/1/2006	9/7/2006
Independence	East Resources, Inc.	31003247510000	Cryder Creek Test 11	11/27/2006	12/5/2006
Wellsville	Otis Eastern Service, Inc.	31003246640000	Fanton, R 5	9/1/2006	9/15/2006
Wellsville	Otis Eastern Service, Inc.	31003247650000	Fanton R 6	12/18/2006	1/11/2007
Wellsville	Otis Eastern Service, Inc.	31003247660000	Fanton R 7	12/18/2006	1/5/2007
Wellsville	Otis Eastern Service, Inc.	31003247670000	Fanton R 8	12/18/2006	1/17/2007
Willing	Richardson Petroleum Corp.	31003246510000	Smith 2	8/7/2006	8/17/2006
Willing	National Fuel Gas Supply Corp.	31003638610001	Maxwell T SC-511A	12/22/2006	2/26/2007
Bronx					
Bronx	New York City Dept. of Design &	31005236070000	W-2	8/4/2006	
Bronx	New York City Dept. of Design &	31005236070002	W-2	8/4/2006	1/24/2007
Bronx	New York City Dept. of Design &	31005236080002	W-3	8/4/2006	
Bronx	New York City Dept. of Design &	31005236090002	W-4	8/4/2006	1/15/2007
Bronx	New York City Dept. of Design &	31005236100000	W-5	5/12/2006	
Bronx	New York City Dept. of Design &	31005236100002	W-5	8/4/2006	1/9/2007
Cattaraugus					
Allegany	East Resources, Inc.	31009121820001	Enterprise Transit St 116A	10/25/2006	
Allegany	East Resources, Inc.	31009122540001	Enterprise Transit St 101A	9/6/2006	8/27/1976

Permits Issued During 2006

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	East Resources, Inc.	31009122820001	Enterprise Transit St 107A	9/6/2006	9/2/1976
Allegany	East Resources, Inc.	31009123030001	Enterprise Transit St 115A	9/6/2006	
Allegany	East Resources, Inc.	31009124640001	Enterprise Transit St 103A	10/25/2006	
Allegany	East Resources, Inc.	31009124790001	Enterprise Transit St 119A	9/6/2006	
Allegany	East Resources, Inc.	31009125650001	Enterprise Transit St 121A	10/25/2006	
Allegany	East Resources, Inc.	31009126950001	Enterprise Transit St 128A	10/25/2006	
Allegany	Simon of Bolivar, Inc.	31009242910000	Wasson HAC4	11/27/2006	2/28/2007
Allegany	Simon of Bolivar, Inc.	31009242920000	Wasson HAC3	11/27/2006	2/9/2007
Allegany	East Resources, Inc.	31009243140001	Rumsey Devonian Sec 14 Lot 2-217A	5/17/2006	6/15/2006
Allegany	East Resources, Inc.	31009243150001	Rumsey Devonian Sec 14 Lot 2-218A	5/17/2006	6/7/2006
Allegany	East Resources, Inc.	31009243160001	Rumsey Devonian Sec 14 Lot 2-219A	5/17/2006	7/22/2006
Allegany	East Resources, Inc.	31009243170001	Rumsey Devonian Sec 14 Lot 2-220A	5/17/2006	6/12/2006
Allegany	East Resources, Inc.	31009243180001	Rumsey Devonian Sec 14 Lot 2-221A	5/17/2006	6/26/2006
Allegany	East Resources, Inc.	31009243200001	Rumsey Devonian Sec 14 Lot 2-223A	5/17/2006	6/5/2006
Allegany	East Resources, Inc.	31009243210001	Rumsey Devonian Sec 14 Lot 2-224A	5/17/2006	7/20/2006
Allegany	East Resources, Inc.	31009243220001	Rumsey Devonian Sec 14 Lot 2-225A	5/17/2006	6/28/2006
Allegany	East Resources, Inc.	31009243240001	Rumsey Devonian Sec 14 Lot 2-227A	5/17/2006	7/13/2006
Allegany	East Resources, Inc.	31009243260001	Rumsey Devonian Sec 14 Lot 2-229A	5/17/2006	6/2/2006
Allegany	East Resources, Inc.	31009243280001	Rumsey Devonian Sec 14 Lot 2-231A	5/17/2006	7/14/2006
Allegany	East Resources, Inc.	31009243290001	Rumsey Devonian Sec 14 Lot 2-232A	5/17/2006	6/9/2006
Allegany	East Resources, Inc.	31009243300001	Rumsey Devonian Sec 14 Lot 2-234A	5/17/2006	5/31/2006
Allegany	East Resources, Inc.	31009244880000	Rumsey Devonian Sec 14 Lot 2-211	4/4/2006	6/17/2006
Allegany	East Resources, Inc.	31009244890000	Rumsey Devonian Sec 14 Lot 2-212	4/4/2006	7/27/2006
Allegany	East Resources, Inc.	31009244900000	Rumsey Devonian Sec14 Lot 2-213	4/4/2006	6/20/2006
Allegany	East Resources, Inc.	31009244910000	Rumsey Devonian Sec 14 Lot 2-215	4/4/2006	7/25/2006
Allegany	East Resources, Inc.	31009245310000	Rumsey Devonian Sec 14 Lot 3-252	6/22/2006	8/16/2006
Allegany	East Resources, Inc.	31009245320000	Rumsey Devonian Sec 14 Lot 3-253	6/22/2006	9/5/2006
Allegany	East Resources, Inc.	31009245330000	Rumsey Devonian Sec 14 Lot 3-254	6/21/2006	8/21/2006
Allegany	East Resources, Inc.	31009245340000	Rumsey Devonian Sec 14 Lot 3-255	6/22/2006	8/18/2006
Allegany	East Resources, Inc.	31009245350000	Rumsey Devonian Sec14 Lot 3-256	6/22/2006	8/15/2006
Allegany	East Resources, Inc.	31009245360000	Rumsey Devonian Sec 14 Lot 3-257	6/22/2006	8/29/2006
Allegany	East Resources, Inc.	31009245370000	Rumsey Devonian Sec 14 Lot 3-258	6/22/2006	8/31/2006
Allegany	East Resources, Inc.	31009245380000	Rumsey Devonian Sec 14 Lot 3-259	6/22/2006	8/26/2006
Allegany	East Resources, Inc.	31009245390000	Rumsey Devonian Sec 14 Lot 3-260	6/22/2006	8/18/2006
Allegany	East Resources, Inc.	31009245400000	Rumsey Devonian Sec 14 Lot 3-261	6/22/2006	8/22/2006
Allegany	East Resources, Inc.	31009245410000	Rumsey Devonian Sec 14 Lot 1-262	6/22/2006	8/16/2006
Allegany	East Resources, Inc.	31009245420000	Rumsey Devonian Sec 14 Lot 2-263	6/22/2006	8/11/2006
Allegany	East Resources, Inc.	31009245430000	Rumsey Devonian Sec 14 Lot 1-264	6/22/2006	8/11/2006
Allegany	East Resources, Inc.	31009245440000	Rumsey Devonian Sec 14 Lot 1-265	6/22/2006	8/9/2006
Allegany	East Resources, Inc.	31009245450000	Rumsey Devonian Sec 14 Lot 1-266	6/22/2006	8/24/2006
Allegany	East Resources, Inc.	31009245460000	Rumsey Devonian Sec 14 Lot 1-267	6/22/2006	8/8/2006
Allegany	East Resources, Inc.	31009245560000	Rumsey Devonian Sec 14 Lot 1-268	6/23/2006	8/10/2006

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Cattaraugus					
Allegany	East Resources, Inc.	31009245570000	Rumsey Devonian Sec 14 Lot 1-269	6/23/2006	8/1/2006
Allegany	East Resources, Inc.	31009245580000	Rumsey Devonian Sec 14 Lot 1-270	6/23/2006	8/7/2006
Allegany	East Resources, Inc.	31009245590000	Rumsey Devonian Sec 14 Lot 1-271	6/23/2006	8/11/2006
Allegany	East Resources, Inc.	31009245600000	Rumsey Devonian Sec 14 Lot 1-272	6/23/2006	8/4/2006
Allegany	East Resources, Inc.	31009245610000	Rumsey Devonian Sec 14 Lot 1-273	6/23/2006	7/28/2006
Allegany	East Resources, Inc.	31009245620000	Rumsey Devonian Sec 14 Lot 1-274	6/23/2006	7/31/2006
Allegany	East Resources, Inc.	31009245630000	Rumsey Devonian Sec 14 Lot 1-275	6/23/2006	8/3/2006
Allegany	East Resources, Inc.	31009245640000	Rumsey Devonian Sec 14 Lot 1-276	6/23/2006	7/18/2006
Allegany	East Resources, Inc.	31009245650000	Rumsey Devonian Sec 14 Lot 1-277	6/23/2006	7/11/2006
Allegany	East Resources, Inc.	31009245660000	Rumsey Devonian Sec 14 Lot 1-278	6/23/2006	7/28/2006
Allegany	East Resources, Inc.	31009245670000	Rumsey Devonian Sec 14 Lot 1-279	6/23/2006	7/21/2006
Allegany	East Resources, Inc.	31009245680000	Rumsey Devonian Sec 14 Lot 1-280	6/23/2006	7/24/2006
Allegany	East Resources, Inc.	31009245690000	Rumsey Devonian Sec 14 Lot 1-281	6/23/2006	7/25/2006
Allegany	East Resources, Inc.	31009245700000	Rumsey Devonian Sec 14 Lot 1-282	6/23/2006	8/2/2006
Allegany	East Resources, Inc.	31009245760000	Thropp 5	6/27/2006	
Allegany	East Resources, Inc.	31009245770000	Thropp 7	6/27/2006	
Allegany	East Resources, Inc.	31009245960000	Rumsey Devonian Sec 10 Lot 1-160	7/12/2006	9/11/2006
Allegany	East Resources, Inc.	31009245970000	Rumsey Devonian Sec 10 Lot 1-161	7/12/2006	9/8/2006
Allegany	East Resources, Inc.	31009245980000	Rumsey Devonian Sec 10 Lot 1-162	7/12/2006	9/13/2006
Allegany	East Resources, Inc.	31009245990000	Rumsey Devonian Sec 10 Lot 1-163	7/12/2006	9/21/2006
Allegany	East Resources, Inc.	31009246000000	Rumsey Devonian Sec 10 Lot 1-166	7/12/2006	9/22/2006
Allegany	East Resources, Inc.	31009246010000	Rumsey Devonian Sec 9 Lot 2-171	7/12/2006	9/15/2006
Allegany	East Resources, Inc.	31009246020000	Rumsey Devonian Sec 9 Lot 2-172	7/12/2006	9/26/2006
Allegany	East Resources, Inc.	31009246030000	Rumsey Devonian Sec 9 Lot 2-173	7/12/2006	9/19/2006
Allegany	East Resources, Inc.	31009246220000	Rumsey Devonian Sec 10 Lot 2-190	8/4/2006	11/9/2006
Allegany	East Resources, Inc.	31009246230000	Rumsey Devonian Sec 10 Lot 2-191	8/4/2006	11/29/2006
Allegany	East Resources, Inc.	31009246240000	Rumsey Devonian Sec 10 Lot 2-195	8/4/2006	12/1/2006
Allegany	East Resources, Inc.	31009246250000	Rumsey Devonian Sec 10 Lot 2-196	8/4/2006	11/21/2006
Allegany	East Resources, Inc.	31009246260000	Rumsey Devonian Sec 10 Lot 2-198	8/4/2006	11/15/2006
Allegany	East Resources, Inc.	31009246270000	Rumsey Devonian Sec 10 Lot 2-201	8/4/2006	11/1/2006
Allegany	East Resources, Inc.	31009246280000	Rumsey Devonian Sec 10 Lot 2-204	8/4/2006	10/26/2006
Allegany	East Resources, Inc.	31009246290000	Rumsey Devonian Sec 10 Lot 3-134	8/4/2006	10/24/2006
Allegany	East Resources, Inc.	31009246300000	Rumsey Devonian Sec 10 Lot 4-131	8/4/2006	10/3/2006
Allegany	East Resources, Inc.	31009246310000	Rumsey Devonian Sec 10 Lot 4-132	8/4/2006	10/12/2006
Allegany	East Resources, Inc.	31009246320000	Rumsey Devonian Sec 10 Lot 4-174	8/4/2006	1/29/2007
Allegany	East Resources, Inc.	31009246330000	Rumsey Devonian Sec 10 Lot 4-175	8/4/2006	1/22/2007
Allegany	East Resources, Inc.	31009246340000	Rumsey Devonian Sec 10 Lot 4-176	8/4/2006	11/7/2006
Allegany	East Resources, Inc.	31009246350000	Rumsey Devonian Sec 10 Lot 4-177	8/4/2006	
Allegany	East Resources, Inc.	31009246360000	Rumsey Devonian Sec 10 Lot 4-178	8/4/2006	10/5/2006
Allegany	East Resources, Inc.	31009246370000	Rumsey Devonian Sec 10 Lot 4-179	8/4/2006	10/10/2006
Allegany	East Resources, Inc.	31009246380000	Rumsey Devonian Sec 10 Lot 4-180	8/4/2006	1/19/2007
Allegany	East Resources, Inc.	31009246390000	Rumsey Devonian Sec 10 Lot 4-181	8/4/2006	11/3/2006

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Cattaraugus					
Allegany	East Resources, Inc.	31009246400000	Rumsey Devonian Sec 10 Lot 4-182	8/4/2006	10/7/2006
Allegany	East Resources, Inc.	31009246410000	Rumsey Devonian Sec 10 Lot 4-183	8/4/2006	9/28/2006
Allegany	East Resources, Inc.	31009246420000	Rumsey Devonian Sec 10 Lot 4-184	8/4/2006	10/19/2006
Allegany	East Resources, Inc.	31009246430000	Rumsey Devonian Sec 10 Lot 4-185	8/4/2006	12/7/2006
Allegany	East Resources, Inc.	31009246440000	Rumsey Devonian Sec 10 Lot 4-186	8/4/2006	10/30/2006
Allegany	East Resources, Inc.	31009246450000	Rumsey Devonian Sec 10 Lot 4-187	8/4/2006	9/30/2006
Allegany	East Resources, Inc.	31009246460000	Rumsey Devonian Sec 10 Lot 4-188	8/4/2006	10/14/2006
Allegany	East Resources, Inc.	31009246620000	Rumsey Devonian Sec 10 Lot 4 177	8/28/2006	10/17/2006
Allegany	East Resources, Inc.	31009247130000	Rumsey Devonian Sec 10 Lot 4 #34	11/29/2006	2/3/2007
Allegany	East Resources, Inc.	31009247140000	Rumsey Devonian Sec 10 Lot 4 #35	11/29/2006	2/6/2007
Allegany	East Resources, Inc.	31009247150000	Rumsey Devonian Sec 10 Lot 4 #133	11/29/2006	2/15/2007
Allegany	East Resources, Inc.	31009247160000	Rumsey Devonian Sec 10 Lot 3 #135	11/29/2006	2/9/2007
Allegany	East Resources, Inc.	31009247170000	Rumsey Devonian Sec 10 Lot 3 #136	11/29/2006	2/16/2007
Allegany	East Resources, Inc.	31009247180000	Rumsey Devonian Sec 10 Lot 3 #137	11/29/2006	2/20/2007
Allegany	East Resources, Inc.	31009247190000	Rumsey Devonian Sec 10 Lot 3 #138	11/29/2006	2/26/2007
Allegany	East Resources, Inc.	31009247200000	Rumsey Devonian Sec 10 Lot 3 #139	11/29/2006	2/23/2007
Allegany	East Resources, Inc.	31009247210000	Rumsey Devonian Sec 10 Lot 4 #140	11/29/2006	2/8/2007
Allegany	East Resources, Inc.	31009247220000	Rumsey Devonian Sec 10 Lot 4 #141	11/29/2006	1/24/2007
Allegany	East Resources, Inc.	31009247230000	Rumsey Devonian Sec 10 Lot 4 #142	11/29/2006	5/5/2007
Allegany	East Resources, Inc.	31009247240000	Rumsey Devonian Sec 10 Lot 4 #143	11/29/2006	2/1/2007
Allegany	East Resources, Inc.	31009247250000	Rumsey Devonian Sec 10 Lot 3 #144	11/29/2006	2/12/2007
Allegany	East Resources, Inc.	31009247260000	Rumsey Devonian Sec 10 Lot 4 #145	11/29/2006	1/26/2007
Allegany	East Resources, Inc.	31009247270000	Rumsey Devonian Sec 10 Lot 3 #146	11/29/2006	2/21/2007
Allegany	East Resources, Inc.	31009247280000	Rumsey Devonian Sec 10 Lot 3 #147	11/29/2006	2/28/2007
Allegany	East Resources, Inc.	31009247290000	Rumsey Devonian Sec 10 Lot 1 #148	11/29/2006	3/7/2007
Allegany	East Resources, Inc.	31009247300000	Rumsey Devonian Sec 10 Lot 1 #149	11/29/2006	3/2/2007
Allegany	Snyder Brothers, Inc.	31009247360000	Nichols Run SBNR4	11/15/2006	1/29/2007
Allegany	Snyder Brothers, Inc.	31009247370000	Nichols Run SBNR7	11/15/2006	2/5/2007
Allegany	Snyder Brothers, Inc.	31009247380000	Nichols Run SBNR8	11/15/2006	1/23/2007
Allegany	Snyder Brothers, Inc.	31009247390000	Nichols Run SBNR18	11/15/2006	2/15/2007
Allegany	Snyder Brothers, Inc.	31009247400000	Nichols Run SBNR19	11/15/2006	2/12/2007
Allegany	East Resources, Inc.	31009247520000	Rumsey Devonian Sec 10 Lot 2 #150	11/29/2006	5/18/2007
Allegany	East Resources, Inc.	31009247530000	Rumsey Devonian Sec 10 Lot 2 #151	11/29/2006	3/5/2007
Allegany	East Resources, Inc.	31009247540000	Rumsey Devonian Sec 10 Lot 2 #152	11/29/2006	5/21/2007
Allegany	East Resources, Inc.	31009247550000	Rumsey Devonian Sec 10 Lot 2 #153	11/29/2006	5/22/2007
Allegany	East Resources, Inc.	31009247560000	Rumsey Devonian Sec 10 Lot 2 #154	11/29/2006	5/24/2007
Allegany	East Resources, Inc.	31009247570000	Rumsey Devonian Sec 10 Lot 2 #155	11/29/2006	5/9/2007
Allegany	East Resources, Inc.	31009247580000	Rumsey Devonian Sec 10 Lot 2 #156	11/29/2006	5/7/2007
Carrollton	McCracken, Carl A. III	31009243770000	Beardsley B-7	1/3/2006	3/10/2006
Carrollton	McCracken, Carl A. III	31009243910000	McCray P-9	1/17/2006	5/4/2006
Carrollton	McCracken, Carl A. III	31009243920000	Dutka BD-1	1/17/2006	4/23/2006
Carrollton	McCracken, Carl A. III	31009243930000	Dutka BD-2	1/17/2006	4/26/2006

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Cattaraugus					
Carrollton	McCracken, Carl A. III	31009243940000	Dutka BD-5	1/17/2006	4/24/2006
Carrollton	Case Brothers Inc.	31009246120000	Stewart-Matson 1A	7/31/2006	8/15/2006
Carrollton	Case Brothers Inc.	31009246130000	Stewart-Matson 2A	7/31/2006	9/18/2006
Carrollton	Case Brothers Inc.	31009246140000	Stewart-Matson 39A	7/31/2006	8/22/2006
Carrollton	Case Brothers Inc.	31009246150000	Stewart-Matson 40A	7/31/2006	8/30/2006
Carrollton	Case Brothers Inc.	31009246160000	Stewart-Matson 41A	7/31/2006	9/7/2006
Carrollton	Dallas Energy, LLC	31009246970000	Potter Lumber PL1	10/16/2006	11/13/2006
Carrollton	Dallas Energy, LLC	31009246980000	Potter Lumber PL2	10/13/2006	11/16/2006
Carrollton	Dallas Energy, LLC	31009246990000	Potter Lumber PL3	10/13/2006	1/24/2007
Carrollton	Dallas Energy, LLC	31009247000000	Potter Lumber PL4	10/13/2006	1/26/2007
Carrollton	Dallas Energy, LLC	31009247010000	Potter Lumber PL5	10/13/2006	1/29/2007
Carrollton	McCracken, Carl A. III	31009247330000	Sue S-104	11/8/2006	12/13/2006
Carrollton	McCracken, Carl A. III	31009247340000	Sue S-106	11/8/2006	12/6/2006
Carrollton	McCracken, Carl A. III	31009247350000	Roeske-Eakin RE 2	11/8/2006	12/18/2006
Carrollton	McCracken, Carl A. III	31009247490000	Dutka BD-7	11/13/2006	11/30/2006
Carrollton	McCracken, Carl A. III	31009247500000	Dutka BD-8	11/13/2006	11/28/2006
Dayton	Texas Keystone, Inc.	31009241820001	Van Etten 3A	7/26/2006	
Dayton	Texas Keystone, Inc.	31009241830001	Van Etten 5A	7/26/2006	
Olean	Dominion Transmission, Inc.	31009242210101	Quinlan QW-6B	2/10/2006	2/6/2006
Olean	Dominion Transmission, Inc.	31009242210201	Quinlan QW-6C	2/10/2006	1/9/2006
Perrysburg	U S Energy Development Corp.	31009244560000	Wigdorski Unit 1	3/17/2006	3/30/2006
Perrysburg	U S Energy Development Corp.	31009244560001	Wigdorski Unit 1A	9/25/2006	3/30/2006
Perrysburg	U S Energy Development Corp.	31009246720000	Daniel 3	10/19/2006	
Perrysburg	U S Energy Development Corp.	31009246890000	Irish 1	10/16/2006	12/21/2006
Cayuga					
Cato	Great Lakes Energy Partners	31011231450000	Taylor 1	4/27/2006	8/1/2006
Cato	Great Lakes Energy Partners	31011231450100	Taylor 1A	8/18/2006	8/22/2006
Cato	Great Lakes Energy Partners	31011231450101	Taylor 1-A	8/24/2006	8/22/2006
Cato	Great Lakes Energy Partners	31011232200000	Hunter, C. 1	1/13/2006	8/4/2006
Genoa	Ansbro Petroleum Company LLC	31011238400000	Patchen 1	4/12/2006	7/6/2006
Scipio	Hensoil, Inc.	31011238160000	Martin 1	1/27/2006	
Scipio	Hensoil, Inc.	31011238260000	Carter 2	3/14/2006	
Springport	Chesapeake Appalachia, L.L.C.	31011238740000	Jordan 1	6/29/2006	10/6/2006
Venice	Chesapeake Appalachia, L.L.C.	31011238150000	Muncy 1	1/3/2006	3/4/2006
Venice	Hensoil, Inc.	31011238170000	Venice View Diary 1	1/11/2006	
Chautauqua					
Busti	Seneca Resources Corp.	31013241860000	VanDewark 2 (37742)	3/22/2006	5/15/2006
Busti	Decker, James K. & Tiffany J.	31013244930000	Sperry 6	3/30/2006	4/10/2006
Busti	Nornew, Inc.	31013245060000	Eckstrom 3-454	5/4/2006	7/18/2006
Busti	Nornew, Inc.	31013245840000	Robbins-Daniels 1-452	7/3/2006	9/1/2006
Busti	Johnson, Mark & Troy	31013246040000	Pangborn 1	7/27/2006	8/17/2006

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Chautauqua					
Busti	Johnson, Mark & Troy	31013246050000	Pangborn 2	7/27/2006	8/16/2006
Busti	Johnson, Mark & Troy	31013246060000	Pangborn 3	7/27/2006	8/14/2006
Busti	Johnson, Mark & Troy	31013246070000	Pangborn 4	7/27/2006	8/12/2006
Busti	Johnson, Mark & Troy	31013246080000	Eckstrom 11-A	7/27/2006	8/7/2006
Busti	Johnson, Mark & Troy	31013246090000	Eckstrom 12-A	7/27/2006	8/8/2006
Busti	Johnson, Mark & Troy	31013246100000	Curtis 21-A	7/27/2006	8/9/2006
Busti	Johnson, Mark & Troy	31013246110000	Curtis 22-A	7/27/2006	8/10/2006
Busti	Nornew, Inc.	31013246580000	Eggleston 1-502	8/23/2006	10/2/2006
Busti	Nornew, Inc.	31013246660000	Schultz 1-141	9/11/2006	10/10/2006
Busti	Nornew, Inc.	31013246680000	Berg 1	10/2/2006	11/16/2006
Busti	Nornew, Inc.	31013247020000	Ferman 1-142	10/11/2006	11/21/2006
Busti	Chautauqua Energy, Inc.	31013247780000	Kidder 4	12/28/2006	1/29/2007
Carroll	Nornew, Inc.	31013241850000	Eckman 5-444	3/28/2006	4/25/2006
Carroll	U S Energy Development Corp.	31013244200000	Carlberg 2	3/2/2006	3/25/2006
Charlotte	Universal Resources Holdings , Inc.	31013244330000	Horton Unit 4	2/27/2006	3/25/2006
Charlotte	Universal Resources Holdings , Inc.	31013244340000	Lapp Unit 8	2/27/2006	3/25/2006
Charlotte	Universal Resources Holdings , Inc.	31013244350000	Penhollow Unit 1	2/24/2006	3/25/2006
Chautauqua	Chautauqua Energy, Inc.	31013223400001	Clark J 1A	12/28/2006	7/2/2007
Chautauqua	Great Lakes Energy Partners	31013244630000	Chautauqua Heights #1	4/6/2006	7/26/2006
Chautauqua	Great Lakes Energy Partners	31013245100000	S & M Harrington #1	5/19/2006	8/18/2006
Chautauqua	Stedman Energy, Inc.	31013245480000	Weise 4	7/3/2006	
Chautauqua	Great Lakes Energy Partners	31013245890000	Currie 1	10/6/2006	
Clymer	Nornew, Inc.	31013242640001	Wiggers 3-075A	5/26/2006	9/11/2006
Clymer	Great Lakes Energy Partners	31013244190000	Smith, D 1	2/22/2006	
Ellery	Universal Resources Holdings , Inc.	31013245540000	Cranston Unit 4	6/26/2006	12/13/2006
Ellery	Universal Resources Holdings , Inc.	31013247080000	Mikula Unit 4	10/27/2006	12/6/2006
Ellery	Universal Resources Holdings , Inc.	31013247090000	Mikula Unit 3	10/27/2006	12/19/2006
Ellicott	Universal Resources Holdings , Inc.	31013247120000	Nelson Unit 1	10/27/2006	11/29/2006
Gerry	Universal Resources Holdings , Inc.	31013245520000	Holmquist Unit 2	6/26/2006	11/14/2006
Gerry	Universal Resources Holdings , Inc.	31013245530000	Holmquist Unit 3	6/26/2006	11/20/2006
Gerry	Universal Resources Holdings , Inc.	31013245550000	Rood 2	6/26/2006	10/20/2006
Gerry	Universal Resources Holdings , Inc.	31013246480000	Holmquist 4	8/10/2006	11/8/2006
Gerry	Universal Resources Holdings , Inc.	31013246490000	Holmquist 5	8/10/2006	11/1/2006
Gerry	Universal Resources Holdings , Inc.	31013246500000	Holmquist Unit 6	8/10/2006	10/26/2006
Hanover	U S Energy Development Corp.	31013243470000	Ruggieo 2	1/17/2006	3/3/2006
Hanover	U S Energy Development Corp.	31013243500000	Hartloff 1	1/17/2006	3/3/2006
Hanover	U S Energy Development Corp.	31013243550000	Steiger 3	2/9/2006	2/9/2006
Hanover	U S Energy Development Corp.	31013243560000	Pfleuger 1	2/28/2006	3/8/2006
Hanover	U S Energy Development Corp.	31013243790000	Towne 1	1/17/2006	3/16/2006
Hanover	U S Energy Development Corp.	31013243820000	Cross 2	1/17/2006	3/17/2006
Hanover	U S Energy Development Corp.	31013243830000	Cross 3	1/17/2006	3/17/2006
Hanover	U S Energy Development Corp.	31013244320000	Blakely Unit 1	3/2/2006	3/18/2006

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Chautauqua					
Hanover	U S Energy Development Corp.	31013244550000	Cross Unit 4	3/30/2006	3/30/2006
Hanover	U S Energy Development Corp.	31013244580000	Abbey Unit 1	3/17/2006	3/30/2006
Hanover	U S Energy Development Corp.	31013244750000	Olsen Unit 1	3/30/2006	3/31/2006
Hanover	U S Energy Development Corp.	31013244760000	Moore Unit 1	3/30/2006	3/31/2006
Hanover	Cotton Well Drilling Co., Inc.	31013245040000	Evert 1	4/25/2006	6/17/2006
Hanover	U S Energy Development Corp.	31013246780000	Bifaro 1	10/19/2006	3/6/2007
Hanover	U S Energy Development Corp.	31013246790000	Anthony 1	10/19/2006	1/19/2007
Hanover	U S Energy Development Corp.	31013246800000	Einhouse 1	10/19/2006	2/23/2007
Hanover	U S Energy Development Corp.	31013246810000	Pflueger 2	10/16/2006	
Hanover	U S Energy Development Corp.	31013246820000	Kennedy 1	10/16/2006	
Hanover	U S Energy Development Corp.	31013246830000	Taylor 4	10/16/2006	2/21/2007
Hanover	U S Energy Development Corp.	31013246840000	Taylor 5	10/24/2006	2/1/2007
Hanover	U S Energy Development Corp.	31013246850000	Taylor 6	10/16/2006	2/14/2007
Hanover	U S Energy Development Corp.	31013246860000	Taylor 7	10/16/2006	2/1/2007
Hanover	U S Energy Development Corp.	31013246870000	Blakely 2	10/16/2006	
Hanover	U S Energy Development Corp.	31013246880000	Robinson 1	10/16/2006	
Hanover	U S Energy Development Corp.	31013247320000	Watrous 2	11/6/2006	
Hanover	U S Energy Development Corp.	31013247430000	Arrigo 1	11/14/2006	3/1/2007
Hanover	U S Energy Development Corp.	31013247450000	Sager 1	11/14/2006	3/1/2007
Hanover	U S Energy Development Corp.	31013247460000	Sprague 1	11/14/2006	4/25/2007
Hanover	U S Energy Development Corp.	31013247470000	Vandette 1	11/14/2006	3/23/2007
Hanover	U S Energy Development Corp.	31013247480000	Vandette 2	11/14/2006	3/23/2007
Hanover	U S Energy Development Corp.	31013247760000	Watroba 1	12/29/2006	3/1/2007
Hanover	U S Energy Development Corp.	31013247790000	Cross 8	12/29/2006	2/28/2007
Hanover	U S Energy Development Corp.	31013247800000	Freier 1	12/29/2006	3/14/2007
Harmony	Nornew, Inc.	31013243850000	Edwards 3-470	1/11/2006	3/31/2006
Harmony	Nornew, Inc.	31013243860000	Edwards 4-471	1/11/2006	
Harmony	Nornew, Inc.	31013243860001	Edwards 4-471A	7/11/2006	9/19/2006
Harmony	Nornew, Inc.	31013244140000	Button 2-472	2/15/2006	4/12/2006
Harmony	Stedman Energy, Inc.	31013245490000	Rocks 1	7/3/2006	12/11/2006
Harmony	Stedman Energy, Inc.	31013245500000	Gastol 1	7/3/2006	12/11/2006
Harmony	Stedman Energy, Inc.	31013245510000	Lakewood Rod & Gun 2	7/3/2006	12/11/2006
Kiantone	Nornew, Inc.	31013243870000	Frederick 2-482	1/11/2006	3/4/2006
Kiantone	Nornew, Inc.	31013244000000	Frankson 3-485	1/30/2006	2/24/2006
Kiantone	Nornew, Inc.	31013244010000	Clark 4-484	2/9/2006	8/1/2006
Kiantone	Nornew, Inc.	31013244430000	Cheney 5-490	3/15/2006	4/19/2006
Kiantone	Great Lakes Energy Partners	31013244980000	Haller 2	4/13/2006	7/10/2006
Kiantone	Nornew, Inc.	31013245010000	Baron 1-492	4/7/2006	8/6/2006
Kiantone	Nornew, Inc.	31013245070000	Eckman 8-495	5/4/2006	8/18/2006
Kiantone	Nornew, Inc.	31013245820000	Grunert 1-483	7/3/2006	8/11/2006
Kiantone	Nornew, Inc.	31013245830000	Garey 2-458	7/3/2006	8/24/2006
Kiantone	Nornew, Inc.	31013246700000	Kidder, B 5-017	10/13/2006	11/8/2006

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Chautauqua					
Kiantone	Nornew, Inc.	31013247040000	McNeal 1-508	10/11/2006	11/3/2006
Kiantone	Nornew, Inc.	31013247680000	Bauer 2-030	12/22/2006	3/19/2007
Mina	Cotton Well Drilling Co., Inc.	31013245110000	Bell 1	5/24/2006	9/1/2006
Mina	Cotton Well Drilling Co., Inc.	31013245120000	Kelwaski 1	5/24/2006	7/19/2006
North Harmony	Great Lakes Energy Partners	31013244170000	Patton 1	2/22/2006	8/11/2006
North Harmony	Goose Creek Drilling, Inc.	31013247310000	Fairbank K 1	11/10/2006	12/27/2006
North Harmony	Resource Energy,LLC	31013247630000	Gleason 15	12/22/2006	1/18/2007
North Harmony	Resource Energy,LLC	31013247640000	Lyon 8	12/22/2006	1/24/2007
Poland	Nornew, Inc.	31013243840000	Anderson 2-171	2/9/2006	7/25/2006
Poland	Nornew, Inc.	31013244130000	Rensma 1-476	2/13/2006	3/24/2006
Poland	Nornew, Inc.	31013244150000	Marsh 4-007	2/13/2006	3/12/2006
Poland	Nornew, Inc.	31013244160000	Marsh 5-008	2/13/2006	3/18/2006
Poland	U S Energy Development Corp.	31013244210000	Carlberg 3	3/2/2006	3/25/2006
Poland	U S Energy Development Corp.	31013244220000	Gustafson 2	3/13/2006	3/25/2006
Poland	U S Energy Development Corp.	31013244230000	Gustafson 3	3/2/2006	3/25/2006
Poland	U S Energy Development Corp.	31013244600000	Gustafson Unit 4	3/20/2006	3/25/2006
Poland	Nornew, Inc.	31013244920000	Mee 4-488	4/7/2006	5/3/2006
Poland	Nornew, Inc.	31013245020000	Lee 1-486	4/7/2006	5/12/2006
Poland	Nornew, Inc.	31013245030000	Lee 2-487	4/7/2006	5/21/2006
Poland	Nornew, Inc.	31013245470000	Coe-Sadowski 2-494	6/23/2006	10/16/2006
Poland	Nornew, Inc.	31013246650000	Mee 5-015	9/11/2006	10/23/2006
Poland	Nornew, Inc.	31013246690000	Coe-Sadowski 1-008	10/13/2006	12/5/2006
Poland	Nornew, Inc.	31013247030000	Coe D 1-011	11/17/2006	12/12/2006
Poland	Nornew, Inc.	31013247050000	Miller 1-504	10/11/2006	10/29/2006
Poland	Universal Resources Holdings , Inc.	31013247070000	Carlson 1	10/27/2006	1/3/2007
Poland	Universal Resources Holdings , Inc.	31013247100000	Carlson Unit 4	10/27/2006	12/27/2006
Poland	Universal Resources Holdings , Inc.	31013247110000	Carlson 2	12/21/2006	1/12/2007
Poland	Nornew, Inc.	31013247690000	Rensma 2-514	12/22/2006	1/22/2007
Poland	Nornew, Inc.	31013247700000	Mee 6-513	12/22/2006	1/16/2007
Poland	Nornew, Inc.	31013247710000	Marsh 6-505	12/22/2006	1/10/2007
Poland	Nornew, Inc.	31013247720000	Pine Bluff Inc. 2-006	12/22/2006	1/30/2007
Portland	Ellington Energy, Inc.	31013244060000	Morse 2	1/31/2006	7/31/2006
Portland	Ellington Energy, Inc.	31013244070000	Munson 1	1/31/2006	3/15/2006
Portland	Ellington Energy, Inc.	31013245710000	Morse Unit 4	7/3/2006	8/11/2006
Portland	Ellington Energy, Inc.	31013245720000	Patterson Unit 5	7/3/2006	10/3/2006
Portland	Ellington Energy, Inc.	31013246590000	Van Hout 1	9/15/2006	
Portland	Ellington Energy, Inc.	31013246600000	Miller 1	9/15/2006	10/9/2006
Portland	Ellington Energy, Inc.	31013246610000	Lake Erie Baptist Church 2	9/15/2006	10/12/2006
Ripley	U S Energy Development Corp.	31013244740000	Demarco Unit 1	3/30/2006	3/31/2006
Sherman	Lion Energy Company LLC	31013243110000	Dewey 2	2/28/2006	4/25/2006
Sherman	Lion Energy Company LLC	31013243120000	Woodrick 2	2/28/2006	4/10/2006
Sherman	Great Lakes Energy Partners	31013244180000	Cole 1	2/22/2006	

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Chautauqua					
Sherman	Great Lakes Energy Partners	31013244180001	Cole 1A	7/18/2006	
Sherman	Cotton Well Drilling Co., Inc.	31013245130000	Greiner 1	5/24/2006	8/18/2006
Sherman	Great Lakes Energy Partners	31013245780000	Messenger Unit 3	7/3/2006	
Sherman	Cotton Well Drilling Co., Inc.	31013246670000	Firster 1	9/8/2006	10/26/2006
Sherman	Cotton Well Drilling Co., Inc.	31013247060000	Greiner 3	10/11/2006	11/14/2006
Stockton	U S Energy Development Corp.	31013244440000	Binko 1	3/8/2006	3/31/2006
Stockton	U S Energy Development Corp.	31013244450000	Binko 2	3/8/2006	3/31/2006
Stockton	U S Energy Development Corp.	31013244770000	Cross Unit 5	3/30/2006	9/30/2006
Stockton	U S Energy Development Corp.	31013244780000	Cross Unit 6	3/30/2006	9/30/2006
Stockton	U S Energy Development Corp.	31013244790000	Cross Unit 7	3/30/2006	9/30/2006
Stockton	U S Energy Development Corp.	31013244840000	Burton Unit 1	3/30/2006	3/31/2006
Stockton	U S Energy Development Corp.	31013244850000	Burton Unit 2	3/30/2006	3/31/2006
Stockton	U S Energy Development Corp.	31013244860000	Storer Unit1	3/30/2006	3/31/2006
Stockton	U S Energy Development Corp.	31013244870000	Storer Unit 2	3/30/2006	3/31/2006
Villanova	Cotton Well Drilling Co., Inc.	31013245080000	Morris #1	5/15/2006	7/10/2006
Villanova	Cotton Well Drilling Co., Inc.	31013245090000	Morris #5	5/15/2006	7/26/2006
Westfield	U S Energy Development Corp.	31013243880000	Walker 1	1/31/2006	3/19/2006
Westfield	U S Energy Development Corp.	31013243890000	Walker 2	1/31/2006	3/19/2006
Westfield	U S Energy Development Corp.	31013244080000	Morse 1	2/6/2006	3/18/2006
Westfield	U S Energy Development Corp.	31013244090000	Napper 1	1/31/2006	3/18/2006
Westfield	U S Energy Development Corp.	31013244100000	Woodard 1	1/31/2006	3/19/2006
Westfield	U S Energy Development Corp.	31013244310000	Bestine Unit 1	3/2/2006	3/18/2006
Westfield	U S Energy Development Corp.	31013244460000	Scharf 1	3/8/2006	3/25/2006
Westfield	Great Lakes Energy Partners	31013244990000	Chriest Unit 1	4/13/2006	
Westfield	Great Lakes Energy Partners	31013245000000	Riedesel 2	4/13/2006	
Westfield	Great Lakes Energy Partners	31013245870000	Lilley, H&V 1	7/19/2006	8/3/2006
Westfield	Great Lakes Energy Partners	31013245880000	Johnson Estates Winery 1	7/19/2006	8/8/2006
Chemung					
Catlin	Fortuna Energy Inc.	31015238200000	Schwingel 2	1/12/2006	1/12/2006
Southport	East Resources, Inc.	31015231140100	Strouse 1-A	10/24/2006	11/30/2006
Southport	East Resources, Inc.	31015238190000	Strouse 2	2/1/2006	3/23/2006
Southport	East Resources, Inc.	31015238430000	Hackett 1	5/1/2006	5/23/2006
Southport	East Resources, Inc.	31015238430100	Hackett 1-A	5/1/2006	7/11/2006
Southport	East Resources, Inc.	31015239070000	C-H 1	9/14/2006	
Southport	East Resources, Inc.	31015239120000	Pedrick 1	9/26/2006	10/6/2006
Van Etten	Fortuna Energy Inc.	31015238140000	Stoscheck 1	1/12/2006	2/18/2006
Van Etten	Fortuna Energy Inc.	31015239250000	Pietilla, R 1	11/10/2006	11/30/2006
Van Etten	Fortuna Energy Inc.	31015239280000	Lucas 1	12/15/2006	1/9/2007
Veteran	Fortuna Energy Inc.	31015238270000	Hulett 1	4/3/2006	7/27/2006
Veteran	Fortuna Energy Inc.	31015239130000	DiFasi 1	11/1/2006	11/15/2006

Chenango

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Chenango					
Plymouth	Nornew, Inc.	31017238900000	Buffa 2-439	8/14/2006	10/23/2006
Smyrna	Nornew, Inc.	31017231190000	Rossi 1-440	5/17/2006	9/28/2006
Smyrna	Nornew, Inc.	31017238280000	Pollay 1-463	4/10/2006	10/6/2006
Smyrna	Nornew, Inc.	31017238870000	Hare 2-436	8/9/2006	10/13/2006
Smyrna	Nornew, Inc.	31017239080000	Spinelli 1-437	10/13/2006	11/5/2006
Cortland					
Cortlandville	Chesapeake Appalachia, L.L.C.	31023228050001	Bilodeau 1A (623836A)	10/31/2006	
Scott	Chesapeake Appalachia, L.L.C.	31023238960000	Proctor 1	8/3/2006	11/2/2006
Erie					
Collins	U S Energy Development Corp.	31029244470000	Butzer Unit 1	3/14/2006	3/22/2006
Collins	U S Energy Development Corp.	31029244480000	Wisniewski Unit 1	3/14/2006	3/22/2006
Collins	U S Energy Development Corp.	31029244490000	Salvini 1	3/14/2006	3/20/2006
Collins	U S Energy Development Corp.	31029244500000	Vance Unit 1	3/14/2006	3/28/2006
Collins	U S Energy Development Corp.	31029244510000	Johnson Unit 3	3/14/2006	3/23/2006
Collins	U S Energy Development Corp.	31029244520000	Timmel 1	3/14/2006	3/23/2006
Collins	U S Energy Development Corp.	31029244530000	Timmel 2	3/14/2006	3/28/2006
Collins	U S Energy Development Corp.	31029244540000	Timmel 3	3/14/2006	3/23/2006
Collins	Pan Energy Company, Inc.	31029244610000	Kehr 1	3/21/2006	3/31/2006
Collins	Pan Energy Company, Inc.	31029244620000	Kehr 2	3/21/2006	3/30/2006
Collins	U S Energy Development Corp.	31029244660000	Diblasi 1	3/23/2006	3/28/2006
Collins	U S Energy Development Corp.	31029244670000	Diblasi 2	3/23/2006	3/27/2006
Collins	U S Energy Development Corp.	31029244680000	Diblasi 3	3/23/2006	3/27/2006
Collins	U S Energy Development Corp.	31029244690000	Salvini 2	3/23/2006	3/28/2006
Collins	U S Energy Development Corp.	31029244700000	Appleby Unit 2	3/23/2006	
Collins	U S Energy Development Corp.	31029244710000	Powenski Unit 1	3/23/2006	3/28/2006
Collins	U S Energy Development Corp.	31029246910000	Hermann 1	10/16/2006	3/6/2007
Collins	U S Energy Development Corp.	31029246920000	Tharnish 1	10/24/2006	12/4/2006
Collins	U S Energy Development Corp.	31029246930000	Reding 3	10/19/2006	3/1/2007
Collins	U S Energy Development Corp.	31029246940000	Sion 2	10/16/2006	3/1/2007
Collins	U S Energy Development Corp.	31029246950000	Reding 1	10/16/2006	3/1/2007
Collins	U S Energy Development Corp.	31029247410000	Degenfelder 2	12/1/2006	3/21/2007
Collins	U S Energy Development Corp.	31029247420000	Erdmann 1	12/1/2006	3/21/2007
Collins	U S Energy Development Corp.	31029247590000	Degenfelder #1	12/11/2006	3/21/2007
Collins	U S Energy Development Corp.	31029247730000	Wilson 1	12/29/2006	3/21/2007
Collins	U S Energy Development Corp.	31029247740000	Schneider 1	12/29/2006	3/21/2007
Concord	U S Energy Development Corp.	31029243980000	Hofmann 2	1/31/2006	3/13/2006
Concord	U S Energy Development Corp.	31029243990000	Drabek 1	1/31/2006	3/15/2006
Concord	U S Energy Development Corp.	31029244020000	Hofmann 3	1/31/2006	
Concord	U S Energy Development Corp.	31029244020001	Hofmann 3A	3/9/2006	3/13/2006
Concord	U S Energy Development Corp.	31029244030000	Deacon's Alliance 3	1/31/2006	3/13/2006
Concord	U S Energy Development Corp.	31029244040000	Deacon's Alliance 4	1/31/2006	3/14/2006

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Erie					
Concord	U S Energy Development Corp.	31029244050000	Deacon's Alliance 5	3/1/2006	3/14/2006
Concord	U S Energy Development Corp.	31029244640000	Horschel 2	3/23/2006	3/24/2006
Concord	U S Energy Development Corp.	31029244650000	Horschel 3	3/23/2006	3/24/2006
Concord	U S Energy Development Corp.	31029244650001	Horschel 3A	8/7/2006	8/7/2006
Concord	U S Energy Development Corp.	31029244730000	Deacon's Alliance 6	3/23/2006	
Concord	U S Energy Development Corp.	31029244800000	Horschel 4	3/30/2006	3/31/2006
Concord	U S Energy Development Corp.	31029246740000	Hofmann 4	10/16/2006	12/12/2006
Newstead	Subsea Oil & Gas, Inc.	31029245730000	Kelkenberg 2	7/3/2006	8/23/2006
Newstead	Subsea Oil & Gas, Inc.	31029245740000	Kelkenberg 1	7/3/2006	7/17/2006
Newstead	Subsea Oil & Gas, Inc.	31029245750000	Torelli 1	7/3/2006	7/31/2006
North Collins	U S Energy Development Corp.	31029244240000	Brenner 1	3/6/2006	3/16/2006
North Collins	U S Energy Development Corp.	31029244250000	Brenner 2	3/6/2006	3/16/2006
North Collins	U S Energy Development Corp.	31029244260000	Brenner 3	3/6/2006	3/16/2006
North Collins	U S Energy Development Corp.	31029244270000	Brenner 4	3/6/2006	3/17/2006
North Collins	U S Energy Development Corp.	31029244280000	Brenner 5	3/6/2006	3/17/2006
North Collins	U S Energy Development Corp.	31029244290000	Goldbach 1	3/6/2006	3/15/2006
North Collins	U S Energy Development Corp.	31029244300000	Goldbach 2	3/6/2006	3/17/2006
North Collins	U S Energy Development Corp.	31029244570000	Rychlik 1	3/14/2006	3/23/2006
North Collins	U S Energy Development Corp.	31029244720000	Sion 1	3/23/2006	3/27/2006
North Collins	U S Energy Development Corp.	31029244810000	Rychlik Unit 2	3/30/2006	3/31/2006
North Collins	U S Energy Development Corp.	31029244820000	Gabel Unit 1	3/30/2006	3/30/2006
North Collins	U S Energy Development Corp.	31029244830000	Gabel 2	3/30/2006	3/30/2006
North Collins	U S Energy Development Corp.	31029246710000	Glodek 1	10/16/2006	
North Collins	U S Energy Development Corp.	31029246750000	Trumpore 1	10/16/2006	12/7/2006
North Collins	U S Energy Development Corp.	31029246760000	Habermehl 3	10/16/2006	3/1/2007
North Collins	U S Energy Development Corp.	31029246770000	Habermehl 1	10/16/2006	3/1/2007
North Collins	U S Energy Development Corp.	31029246900000	Haremehl 2	10/16/2006	3/1/2007
North Collins	U S Energy Development Corp.	31029247600000	Berchou #1	12/11/2006	3/27/2007
North Collins	U S Energy Development Corp.	31029247750000	Derrick 1	12/29/2006	3/1/2007
Sardinia	Ardent Resources, Inc.	31029243900000	Hannon M 1	1/19/2006	2/14/2006
Essex					
Ticonderoga	Fort Ticonderoga Association	31031236900000	Geothermal Well 2	4/26/2006	6/5/2006
Ticonderoga	Fort Ticonderoga Association	31031236910000	Geothermal Well 3	4/26/2006	5/15/2006
Genesee					
Batavia	United States Gypsum Co.	31037239110000	Brown D&P 1	9/28/2006	10/10/2006
Darien	United States Gypsum Co.	31037238180000	Oles 2	1/30/2006	4/27/2006
Darien	United States Gypsum Co.	31037238970000	Reynolds T. 3	8/2/2006	8/31/2006
Darien	United States Gypsum Co.	31037238980000	Reynolds 1	10/24/2006	11/14/2006
Darien	United States Gypsum Co.	31037238990000	Reynolds 2	10/24/2006	11/17/2006
Darien	United States Gypsum Co.	31037239030000	Preisach 1	8/22/2006	9/20/2006
Darien	United States Gypsum Co.	31037239040000	Ross 1	8/22/2006	9/14/2006

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Genesee					
Darien	New York Gas & Oil Co, Inc.	31037239140000	Bosse 1	10/11/2006	11/9/2006
Darien	New York Gas & Oil Co, Inc.	31037239230000	Frayne 1	11/9/2006	12/4/2006
Darien	New York Gas & Oil Co, Inc.	31037239240000	Bosse 2	11/9/2006	11/28/2006
Darien	New York Gas & Oil Co, Inc.	31037239330000	Miles 1	12/14/2006	1/10/2007
Pembroke	New York Gas & Oil Co, Inc.	31037239340000	Miles 2	12/21/2006	2/8/2007
Madison					
Brookfield	Ardent Resources, Inc.	31053238390000	Button 1	10/12/2006	2/9/2007
Lebanon	Nornew, Inc.	31053229300001	Hartshorn 1	3/6/2006	5/1/2006
Lebanon	Nornew, Inc.	31053232320000	Dromgoole 2-338	4/7/2006	7/20/2006
Lebanon	Nornew, Inc.	31053238040000	Eaves 1-386H	5/5/2006	
Lebanon	Nornew, Inc.	31053238050000	Symonds/Rodman 1-467	5/5/2006	6/28/2006
Lebanon	Nornew, Inc.	31053238060000	White Eagle Farms 2-376	1/10/2006	6/17/2006
Lebanon	Nornew, Inc.	31053238580000	Dromgoole 1-336	5/17/2006	9/22/2006
Lebanon	Nornew, Inc.	31053238590000	Dromgoole 3-333	5/17/2006	7/17/2006
Lebanon	Nornew, Inc.	31053238640000	Smith 4-496	6/15/2006	8/19/2006
Lebanon	Nornew, Inc.	31053238650000	Collins 5-497	6/15/2006	8/16/2006
Lebanon	Nornew, Inc.	31053238690000	Dromgoole 5-330	6/19/2006	
Lebanon	Nornew, Inc.	31053238700000	Dromgoole 6-498	6/19/2006	11/2/2006
Lebanon	Nornew, Inc.	31053238850000	Collins 11-500	7/27/2006	11/12/2006
Lebanon	Nornew, Inc.	31053238860000	Collins 6-499	7/27/2006	
Lebanon	Nornew, Inc.	31053238910000	Wedge 3-337	7/27/2006	9/18/2006
Lebanon	Nornew, Inc.	31053238930000	Eaves 1-386H	8/22/2006	10/13/2006
Lebanon	Nornew, Inc.	31053239010000	Mund 8-501	8/22/2006	
Lebanon	Nornew, Inc.	31053239090000	Warren 2-152	10/26/2006	11/29/2006
Lebanon	Nornew, Inc.	31053239100000	White Eagle Farms 3-381	10/26/2006	12/12/2006
New York					
Manhattan	Diane Von Furstenberg Studio, L.P.	31061236750000	GW-1	5/3/2006	7/5/2006
Manhattan	Diane Von Furstenberg Studio, L.P.	31061236760000	GW-2	5/3/2006	6/29/2006
Manhattan	Diane Von Furstenberg Studio, L.P.	31061236770000	GW-3	5/3/2006	7/10/2006
Manhattan	Bishop of North American Region	31061236780000	GEO-1	3/17/2006	
Manhattan	Chelsea Ventura LLC	31061236890000	Geothermal 1	4/26/2006	
Manhattan	Battery Park City Authority	31061237200000	SCW-1	9/15/2006	
Manhattan	Battery Park City Authority	31061237210000	SCW-1A	9/15/2006	
Manhattan	Battery Park City Authority	31061237220000	SCW-2	9/15/2006	
Manhattan	Battery Park City Authority	31061237230000	SCW-2A	9/15/2006	
Manhattan	Battery Park City Authority	31061237240000	SCW-3	9/15/2006	
Manhattan	Battery Park City Authority	31061237250000	SCW-3A	9/15/2006	
Onondaga					
Marcellus	Chesapeake Appalachia, L.L.C.	31067238610000	Byrne 1	5/24/2006	12/16/2006
Marcellus	Chesapeake Appalachia, L.L.C.	31067238620000	Byrne 2	5/24/2006	12/5/2006
Marcellus	Chesapeake Appalachia, L.L.C.	31067238630000	Byrne 3	5/24/2006	11/16/2006

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Onondaga					
Marcellus	Chesapeake Appalachia, L.L.C.	31067238680000	Richards Farms 1	7/24/2006	1/8/2007
Marcellus	Chesapeake Appalachia, L.L.C.	31067238940000	Richards Farms 2	9/28/2006	
Marcellus	Chesapeake Appalachia, L.L.C.	31067238950000	Byrne 4	9/28/2006	1/2/2007
Marcellus	Chesapeake Appalachia, L.L.C.	31067239150000	Byrne 5	10/19/2006	
Onondaga	Onondaga Environmental Institute	31067238880000	Beak & Skiff OD 1843/1839	7/12/2006	7/10/2004
Spafford	Chesapeake Appalachia, L.L.C.	31067238570000	Burroughs 1	5/24/2006	10/11/2006
Schuyler					
Dix	EOG Resources, Inc	31097238240000	WGI 4	3/24/2006	6/1/2006
Dix	EOG Resources, Inc	31097238250000	WGI 5	3/24/2006	6/6/2006
Dix	EOG Resources, Inc	31097238300000	WGI 6	4/7/2006	4/27/2006
Dix	EOG Resources, Inc	31097239290000	WGI 9	12/11/2006	
Dix	EOG Resources, Inc	31097239300000	WGI 10	12/11/2006	4/16/2007
Hector	Chesapeake Appalachia, L.L.C.	31097227540001	Gunning 1 (623502)	10/31/2006	12/21/2006
Hector	Chesapeake Appalachia, L.L.C.	31097227930001	Cook 1 (623810)	11/27/2006	2/7/2007
Orange	Fortuna Energy Inc.	31097238230000	Kaiser 1	2/23/2006	3/6/2006
Orange	Fortuna Energy Inc.	31097238230100	Kaiser 1-A	4/27/2006	4/28/2006
Orange	Fortuna Energy Inc.	31097238310000	Webster T1	4/7/2006	5/5/2006
Orange	Fortuna Energy Inc.	31097238320000	Frost F2	4/7/2006	
Orange	Fortuna Energy Inc.	31097238360000	Calabro T1	4/7/2006	5/1/2006
Orange	Fortuna Energy Inc.	31097238370000	Calabro T2	4/7/2006	5/3/2006
Orange	Fortuna Energy Inc.	31097238560000	Frost 2	4/25/2006	4/27/2006
Orange	Fortuna Energy Inc.	31097239180000	TWTP 4	11/15/2006	12/7/2006
Orange	Fortuna Energy Inc.	31097239190000	Harrison L2	11/9/2006	12/4/2006
Orange	Fortuna Energy Inc.	31097239200008	TWTP 2	11/15/2006	12/1/2006
Reading	EOG Resources Inc	31097232260001	Schiavone 2	5/9/2006	7/15/2006
Reading	EOG Resources Inc	31097239310000	Kopp 2	12/11/2006	4/9/2007
Reading	EOG Resources Inc	31097239320000	Kopp 3	12/11/2006	
Tyrone	Chesapeake Appalachia, L.L.C.	31097227990001	Rumsey 1 (623838)	11/30/2006	4/5/2007
Seneca					
Fayette	Chesapeake Appalachia, L.L.C.	31099238750000	Wise 1	6/21/2006	9/18/2006
Fayette	Chesapeake Appalachia, L.L.C.	31099238760000	Pagano 1	8/22/2006	9/30/2006
Fayette	Chesapeake Appalachia, L.L.C.	31099238770000	Hartman 2	6/21/2006	9/26/2006
Fayette	Chesapeake Appalachia, L.L.C.	31099238920000	Martin 1	8/2/2006	
Fayette	Chesapeake Appalachia, L.L.C.	31099239370000	Freier 1 (626015)	12/19/2006	3/29/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239390000	Robson 1 (626018)	12/19/2006	
Fayette	Chesapeake Appalachia, L.L.C.	31099239420000	Zimmerman 1 (625034)	12/21/2006	
Fayette	Chesapeake Appalachia, L.L.C.	31099616290000	Wise 1-S	6/21/2006	9/14/2006
Seneca Falls	Chesapeake Appalachia, L.L.C.	31099239350000	Swanson 1 (625031)	12/19/2006	3/12/2007
Seneca Falls	Chesapeake Appalachia, L.L.C.	31099239360000	Swanson 2 (625032)	12/19/2006	3/7/2007
Varick	Chesapeake Appalachia, L.L.C.	31099239160000	Clemens 2	10/13/2006	2/16/2007

Steuben

Permits Issued During 2006

Town	Company	API Number	Well Name	Issue Date	Spud Date
Steuben					
Bradford	Fortuna Energy Inc.	31101238380000	Drumm G2	4/7/2006	5/10/2006
Bradford	Fortuna Energy Inc.	31101238840000	Elliott 1	7/17/2006	8/28/2006
Campbell	Fortuna Energy Inc.	31101238290000	Swan 1	3/16/2006	3/28/2006
Campbell	Fortuna Energy Inc.	31101238440000	Congdon R1	4/26/2006	5/11/2006
Campbell	Fortuna Energy Inc.	31101238440001	Congdon R1	7/22/2006	
Campbell	Fortuna Energy Inc.	31101238790000	Cosier 1	6/30/2006	7/20/2006
Caton	East Resources Inc.	31101232110100	Dennis 1-A	5/1/2006	5/15/2006
Caton	Fortuna Energy Inc.	31101232270000	Hartman, BJ 1	1/17/2006	2/16/2006
Caton	East Resources Inc.	31101238710000	Kio 1	6/29/2006	7/22/2006
Caton	East Resources Inc.	31101239210000	Michaloski 1	11/17/2006	12/12/2006
Corning	Fortuna Energy Inc.	31101238670000	Dzybon 1	7/31/2006	9/21/2006
Corning	Fortuna Energy Inc.	31101239020000	Gross D1	9/12/2006	10/3/2006
Hornby	Fortuna Energy Inc.	31101238330000	Hemly G2	4/7/2006	5/9/2006
Hornby	Fortuna Energy Inc.	31101238340000	Lancaster M1	4/7/2006	
Hornby	Fortuna Energy Inc.	31101238660000	Lancaster M1	5/17/2006	6/6/2006
Jasper	Wyckoff Gas Storage Co., LLC	31101238600000	Banks Observation 2	5/4/2006	5/8/2006
Jasper	Wyckoff Gas Storage Co., LLC	31101238730000	Cornell Observation 3	6/12/2006	6/15/2006
Jasper	Wyckoff Gas Storage Co., LLC	31101238890000	I/W 1	7/21/2006	7/22/2006
Jasper	Wyckoff Gas Storage Co., LLC	31101239050000	I/W 3	8/22/2006	8/30/2006
Jasper	Wyckoff Gas Storage Co., LLC	31101239060000	I/W 7	8/22/2006	9/18/2006
Jasper	Wyckoff Gas Storage Co., LLC	31101239060100	I/W 7-A	10/31/2006	10/31/2006
West Union	East Resources, Inc.	31101238450000	Cryder Creek Test Well 7	4/27/2006	7/18/2006
West Union	East Resources, Inc.	31101238460000	Cryder Creek Test Well No. 8	4/27/2006	7/15/2006
West Union	East Resources, Inc.	31101238470000	Cryder Creek Test Well No. 9	4/27/2006	7/13/2006
West Union	Yahn & Yahn Inc.	31101238480000	Edlind 13	5/2/2006	8/27/2006
West Union	Yahn & Yahn Inc.	31101238490000	Shultz 13A	5/2/2006	8/31/2006
West Union	Richardson Petroleum Corp.	31101238500000	Edwards II 42	4/26/2006	6/6/2006
West Union	Richardson Petroleum Corp.	31101238510000	Edwards II 45	4/26/2006	7/27/2006
West Union	Richardson Petroleum Corp.	31101238520000	Edwards II 46	4/26/2006	7/20/2006
West Union	Richardson Petroleum Corp.	31101238530000	Edwards II 47	4/26/2006	7/11/2006
West Union	Richardson Petroleum Corp.	31101238540000	Edwards II 48	4/26/2006	7/17/2006
Tioga					
Barton	Fortuna Energy Inc.	31107238830000	Shipman 1	7/11/2006	9/18/2006
Nichols	Central New York Oil & Gas Co.,	31107238410000	Lacher NM-1	5/22/2006	6/27/2006
Nichols	Central New York Oil & Gas Co.,	31107238410100	Lacher NM-1A	5/22/2006	8/10/2006
Nichols	Central New York Oil & Gas Co.,	31107238720000	Brenchley BC-1	7/11/2006	
Nichols	Central New York Oil & Gas Co.,	31107238720100	Brenchley BC-1A	7/11/2006	10/4/2006
Owego	Central New York Oil & Gas Co.,	31107238420000	Racht R-1	5/5/2006	6/7/2006
Owego	Central New York Oil & Gas Co.,	31107238420100	Racht R-1A	5/5/2006	7/6/2006
Spencer	Fortuna Energy Inc.	31107238550000	Winter G1	5/10/2006	6/1/2006
Spencer	Fortuna Energy Inc.	31107238550001	Winter G1	11/28/2006	11/29/2006
Spencer	Fortuna Energy Inc.	31107238800000	Janiak 1	10/6/2006	1/12/2007

Permits Issued During 2006

Town	Company	API Number	Well Name	Issue Date	Spud Date
Tioga					
Spencer	Fortuna Energy Inc.	31107239270000	Beach 1	12/15/2006	1/25/2007
Tompkins					
Ulysses	Chesapeake Appalachia, L.L.C.	31109227670001	Duddleston 1 (623514)	11/30/2006	3/24/2007
Wayne					
Butler	Bankers Petroleum US Inc.	31117239170000	Butler Creek (High) 1	10/27/2006	11/7/2006
Butler	Bankers Petroleum US Inc.	31117239220000	Legasse Road (Sanzotta) 1	11/16/2006	3/12/2007
Butler	Bankers Petroleum US Inc.	31117239260000	South Mill Pond (High) 1	11/16/2006	1/5/2007
Westchester					
Greenburgh	Riverton Lofts, LLC	31119236520001	Anderson E W1	6/28/2006	9/21/2006
Greenburgh	Riverton Lofts, LLC	31119236530001	Anderson E W2	6/28/2006	9/13/2006
Greenburgh	Riverton Lofts, LLC	31119236540001	Anderson E W3	6/28/2006	9/5/2006
Greenburgh	Riverton Lofts, LLC	31119236550001	Anderson E W4	6/28/2006	8/28/2006
Greenburgh	Riverton Lofts, LLC	31119236560001	Anderson E W5	6/28/2006	8/17/2006
Greenburgh	New York City Dept. of Environme	31119236830000	KCT B-20	3/17/2006	4/11/2006
Greenburgh	New York City Dept. of Environme	31119236840000	KCT B-3	4/26/2006	8/23/2006
Greenburgh	New York City Dept. of Environme	31119236940000	KCT B-2	8/25/2006	9/21/2006
Greenburgh	New York City Dept. of Environme	31119236960000	KCT B-19	8/25/2006	9/26/2006
Greenburgh	New York City Dept. of Environme	31119236970000	KCT B-23	8/25/2006	9/25/2006
Harrison	New York City Dept. of Environme	31119236810000	KCT B-7	3/17/2006	4/18/2006
Harrison	New York City Dept. of Environme	31119236870000	KCT B-8	3/28/2006	7/20/2006
Mount Pleasant	New York City Dept. of Environme	31119236790000	KCT B-1	3/17/2006	7/24/2006
Mt Vernon	New York City Dept. of Environme	31119236950000	KCT B-13	8/25/2006	
New Rochelle	New York City Dept. of Environme	31119236580000	KCT B-10	3/17/2006	3/29/2006
North Castle	New York City Dept. of Environme	31119236800000	KCT B-6	3/17/2006	3/30/2006
Scarsdale	New York City Dept. of Environme	31119236820000	KCT B-9	3/17/2006	
Scarsdale	New York City Dept. of Environme	31119236820001	KCT B-9	10/4/2006	
White Plains	New York City Dept. of Environme	31119236850000	KCT B-4	3/28/2006	7/17/2006
White Plains	New York City Dept. of Environme	31119236860000	KCT B-5	3/28/2006	7/18/2006
Yonkers	Main Street Lofts Yonkers, LLC	31119236650000	W-1	11/6/2006	
Yonkers	Main Street Lofts Yonkers, LLC	31119236660000	W-2	11/6/2006	6/7/2007
Yonkers	Main Street Lofts Yonkers, LLC	31119236670000	W-3	11/6/2006	5/29/2007
Yonkers	Main Street Lofts Yonkers, LLC	31119236680000	W-4	11/6/2006	1/9/2007
Yonkers	Main Street Lofts Yonkers, LLC	31119236690000	W-5	11/6/2006	12/27/2006
Yonkers	Main Street Lofts Yonkers, LLC	31119236700000	W-6	11/6/2006	1/31/2007
Yonkers	Main Street Lofts Yonkers, LLC	31119236710000	W-7	11/6/2006	2/14/2007
Yonkers	Main Street Lofts Yonkers, LLC	31119236720000	W-8	11/6/2006	6/21/2007
Yonkers	Main Street Lofts Yonkers, LLC	31119236730000	W-9	11/6/2006	
Yonkers	Main Street Lofts Yonkers, LLC	31119236740000	W-10	11/6/2006	
Yonkers	New York City Dept. of Environme	31119236880000	KCT B-12	3/28/2006	4/12/2006
Wyoming					
Bennington	United States Gypsum Co.	31121245950000	Arcese, G 2	7/17/2006	9/12/2006

Permits Issued During 2006

Town	Company	API Number	Well Name	Issue Date	Spud Date
Wyoming					
Bennington	United States Gypsum Co.	31121246200000	Grzeskowiak J 1	8/2/2006	9/7/2006
Bennington	United States Gypsum Co.	31121246210000	Baer J & P 1	8/2/2006	9/13/2006
Covington	Lenape Resources, Inc.	31121244360000	Hilltop Acres 409	3/7/2006	3/24/2006
Covington	Lenape Resources, Inc.	31121244370000	Bow Hill Farms 410	3/7/2006	3/20/2006
Covington	Lenape Resources, Inc.	31121244380000	Bow Hill Farms 411	3/7/2006	3/16/2006
Covington	Lenape Resources, Inc.	31121244390000	King Marvin 412	3/7/2006	3/21/2006
Covington	Lenape Resources, Inc.	31121244400000	Van Allen R 413	3/7/2006	3/21/2006
Covington	Lenape Resources, Inc.	31121244410000	Butler Brothers 414	3/7/2006	3/21/2006
Covington	Lenape Resources, Inc.	31121244420000	Butler Brothers 415	3/7/2006	3/22/2006
Middlebury	Texas Brine Company, LLC	31121235810001	Texas Brine 87A	6/15/2006	9/16/2006
Middlebury	Occidental Chemical Corp	31121244940000	Hooker 138	4/10/2006	4/29/2006
Middlebury	Occidental Chemical Corp	31121244950000	Hooker 139	4/10/2006	4/29/2006
Middlebury	Occidental Chemical Corp	31121244960000	Hooker 140	4/10/2006	5/12/2006
Middlebury	Occidental Chemical Corp	31121244970000	Hooker 143	4/10/2006	5/22/2006
Middlebury	Texas Brine Company, LLC	31121245140000	Texas Brine 98	6/8/2006	7/5/2006
Middlebury	Texas Brine Company, LLC	31121245150000	Texas Brine 99	6/8/2006	7/12/2006
Middlebury	Texas Brine Company, LLC	31121245160000	Texas Brine 100	6/8/2006	7/24/2006
Middlebury	Texas Brine Company, LLC	31121245170000	Texas Brine 57	6/8/2006	8/15/2006
Middlebury	Texas Brine Company, LLC	31121245180000	Texas Brine 58	6/8/2006	8/8/2006
Middlebury	Texas Brine Company, LLC	31121245190000	Texas Brine 59	6/8/2006	7/31/2006
Sheldon	United States Gypsum Co.	31121245940000	Kibler, C & M 1	7/17/2006	9/6/2006
Yates					
Starkey	Chesapeake Appalachia, L.L.C.	31123229410102	Boudinot 1-A (623968)	12/11/2006	5/1/2007

Drilled Wildcats and Field Extensions, 2006

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Allegany County								
Cuba	Plants & Goodwin, Inc.	31003246550000	Cabado 2	1,200	11/17/2006	OW	New Field Wildcat	Chipmunk
Independence	East Resources, Inc.	31003243950000	Cryder Creek Test Well 2	2,700	7/12/2006	OW	New Field Wildcat	Fulmer Valley
Independence	East Resources, Inc.	31003247510000	Cryder Creek Test 11	2,272	12/6/2006	OW	New Field Wildcat	Nunda
Cayuga County								
Cato	Great Lakes Energy Partners	31011232200000	Hunter, C. 1	2,934	8/17/2006	GE	Blue Tail Rooster	Trenton
Cato	Great Lakes Energy Partners	31011616280000	Hunter 1-S	410	7/11/2006	GW	Not Applicable	Not Applicable
Genoa	Ansbro Petroleum Company LLC	31011238400000	Patchen 1	6,346	9/16/2006	GW	New Field Wildcat	Black River
Venice	Chesapeake Appalachia, L.L.C.	31011238150000	Muncy 1	5,600	4/7/2006	GW	New Field Wildcat	Black River
Chemung County								
Southport	East Resources, Inc.	31015231140100	Strouse 1-A	11,384	12/28/2006	GW	New Field Wildcat	Black River
Southport	East Resources, Inc.	31015238190000	Strouse 2	11,549	5/4/2006	GE	Laurel Run	Black River
Southport	East Resources, Inc.	31015238430000	Hackett 1	11,953	6/28/2006	GW	New Field Wildcat	Black River
Southport	East Resources, Inc.	31015238430100	Hackett 1-A	11,673	7/24/2006	GW	New Field Wildcat	Black River
Southport	East Resources, Inc.	31015239120000	Pedrick 1	11,218	11/10/2006	GW	New Field Wildcat	Black River
Van Etten	Fortuna Energy Inc.	31015238140000	Stoscheck 1	9,154	4/8/2006	GW	Darling Creek	Black River
Veteran	Fortuna Energy Inc.	31015238270000	Hulett 1	9,062	10/24/2006	GW	Brick House	Black River
Chenango County								
Smyrna	Nornew, Inc.	31017231190000	Rossi 1-440	4,186	10/10/2006	GE	Beaver Meadow	Oneida
Smyrna	Nornew, Inc.	31017238280000	Pollay 1-463	4,280	10/21/2006	GW	Beaver Meadow	Herkimer
Smyrna	Nornew, Inc.	31017239080000	Spinelli 1-437	4,161	11/10/2006	GE	Beaver Meadow	Oneida
Cortland County								
Scott	Chesapeake Appalachia, L.L.C.	31023238960000	Proctor 1	5,050	11/14/2006	GW	New Field Wildcat	Oswego
Erie County								

Drilled Wildcats and Field Extensions, 2006

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Erie County								
Sardinia	Ardent Resources, Inc.	31029236000001	Baker, R Unit 1A	6,074	2/14/2006	GW	New Field Wildcat	Theresa
Sardinia	Ardent Resources, Inc.	31029243900000	Hannon M 1	6,068	3/6/2006	GW	Hannon	Theresa
Madison County								
Lebanon	Nornew, Inc.	31053229300001	Hartshorn 1	2,365	5/25/2006	GW	Bradley Brook	Vernon
Lebanon	Nornew, Inc.	31053232320000	Dromgoole 2-338	3,560	10/13/2006	GE	Bradley Brook	Oneida-Oswego
Lebanon	Nornew, Inc.	31053238050000	Symonds/Rodman 1-467	3,290	10/4/2006	GE	Bradley Brook	Oneida
Lebanon	Nornew, Inc.	31053238060000	White Eagle Farms 2-376	2,814	9/11/2006	GE	Bradley Brook	Oneida
Lebanon	Nornew, Inc.	31053238590000	Dromgoole 3-333	3,609	10/21/2006	GE	Bradley Brook	Oneida-Oswego
Lebanon	Nornew, Inc.	31053238700000	Dromgoole 6-498	3,718	11/9/2006	GE	Bradley Brook	Oneida
Lebanon	Nornew, Inc.	31053238850000	Collins 11-500	3,279	11/21/2006	GE	Lebanon	Oneida
Lebanon	Nornew, Inc.	31053238930000	Eaves 1-386H	3,410	12/13/2006	GW	Bradley Brook	Herkimer
Lebanon	Nornew, Inc.	31053239090000	Warren 2-152	2,974	12/6/2006	GE	Bradley Brook	Oneida
Lebanon	Nornew, Inc.	31053239100000	White Eagle Farms 3-381	2,868	12/19/2006	GE	Bradley Brook	Oneida
Onondaga County								
Marcellus	Chesapeake Appalachia, L.L.C.	31067238610000	Byrne 1	2,674	12/21/2006	GW	New Field Wildcat	Queenston
Marcellus	Chesapeake Appalachia, L.L.C.	31067238620000	Byrne 2	3,250	12/11/2006	GW	New Field Wildcat	Queenston
Marcellus	Chesapeake Appalachia, L.L.C.	31067238630000	Byrne 3	3,184	12/4/2006	GW	New Field Wildcat	Queenston
Marcellus	Chesapeake Appalachia, L.L.C.	31067238950000	Byrne 4	2,700	1/7/2006	GW	New Field Wildcat	Queenston
Spafford	Chesapeake Appalachia, L.L.C.	31067238570000	Burroughs 1	4,773	10/29/2006	GW	New Field Wildcat	Oswego
Schuyler County								
Dix	EOG Resources, Inc	31097238300000	WGI 6	7,620	8/21/2006	GE	Watkins Glen	Queenston
Orange	Fortuna Energy Inc.	31097238130000	Alletto 1	8,976	2/15/2006	GW	Goundry Hill	Black River
Orange	Fortuna Energy Inc.	31097238230000	Kaiser 1	8,801	4/21/2006	GW	New Field Wildcat	Black River
Orange	Fortuna Energy Inc.	31097238230100	Kaiser 1-A	8,823	6/28/2006	GW	New Field Wildcat	Black River

Drilled Wildcats and Field Extensions, 2006

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Schuyler County								
Orange	Fortuna Energy Inc.	31097238310000	Webster T1	2,867	5/26/2006	GW	Howland Hill	Marcellus
Orange	Fortuna Energy Inc.	31097238360000	Calabro T1	2,731	5/21/2006	GW	Howland Hill	Marcellus
Orange	Fortuna Energy Inc.	31097238370000	Calabro T2	2,787	5/17/2006	GW	New Field Wildcat	Marcellus
Orange	Fortuna Energy Inc.	31097238560000	Frost 2	2,842	6/8/2006	GW	Howland Hill	Marcellus
Seneca County								
Junius	Great Lakes Energy Partners	31099231310001	Brigham 1	4,230	2/16/2006	GE	Fayette-Waterloo	Queenston
Junius	Great Lakes Energy Partners	31099231780001	Serven 1	1,581	3/2/2006	GE	Whiskey Hill	Queenston
Steuben County								
Bradford	Fortuna Energy Inc.	31101238380000	Drumm G2	3,550	6/4/2006	GW	New Field Wildcat	Marcellus
Bradford	Fortuna Energy Inc.	31101238840000	Elliott 1	9,265	10/20/2006	GE	Oak Hill	Black River
Campbell	Fortuna Energy Inc.	31101238290000	Swan 1	9,395	5/30/2006	GW	Stony Ridge	Black River
Campbell	Fortuna Energy Inc.	31101238440000	Congdon R1	9,334	7/20/2006	GW	New Field Wildcat	Black River
Caton	Fortuna Energy Inc.	31101232110100	Dennis 1-A	11,193	5/29/2006	GE	Caton	Black River
Caton	Fortuna Energy Inc.	31101232270000	Hartman, BJ 1	10,994	3/29/2006	GE	Rayner	Black River
Caton	East Resources, Inc.	31101238710000	Kio 1	10,619	10/12/2006	GW	New Field Wildcat	Black River
Corning	Fortuna Energy Inc.	31101238670000	Dzybon 1	9,674	12/1/2006	GW	Forest Hill	Black River
Hornby	Fortuna Energy Inc.	31101238330000	Hemly G2	3,510	6/1/2006	GW	New Field Wildcat	Marcellus
Hornby	Fortuna Energy Inc.	31101238660000	Lancaster M1	3,582	6/11/2006	GW	New Field Wildcat	Hamilton
West Union	East Resources, Inc.	31101238450000	Cryder Creek Test Well 7	2,467	7/17/2006	OW	Cryder Creek	Fulmer Valley
West Union	East Resources, Inc.	31101238460000	Cryder Creek Test Well No	2,417	7/17/2006	OW	Cryder Creek	Devonian Shale
West Union	East Resources, Inc.	31101238470000	Cryder Creek Test Well No	2,792	7/14/2006	OW	Cryder Creek	Fulmer Valley
Tioga County								
Spencer	Fortuna Energy Inc.	31107238550000	Winter G1	9,858	11/30/2006	GW	New Field Wildcat	Black River
Spencer	Fortuna Energy Inc.	31107238550001	Winter G1	9,914	11/30/2006	GW	New Field Wildcat	Black River

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**New York State
Oil, Gas
and
Mineral Resources
2006
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

Table of Contents

Mined Land Permits Issued During 2006¹ A-1

Mine Commodities 2006 B-1

1 The word “Part” under the “Town” column means the mine is located in more than one town.

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Albany						
Bethlehem	Bethlehem, Town of	40408	Rowe Farm Clay Pit	2/13/2006	Renewal	19.0
Allegany						
Almond	Almond Aggregates, LLC	90517	Skuba Construction Materials Mine	11/29/2006	Modification	45.0
Almond	Lawrence, Robert C	90671	Mchenry Valley Sand And Gravel	6/19/2006	Renewal	1.0
Angelica	Chamberlain, Robert T	90722	Old State Road Mine	2/22/2006	Renewal	6.0
Burns	Patti, Anthony	90728	Patti Pit	2/9/2006	Modification	5.0
Caneadea	Caneadea, Town of	90454	Curran Road Mine	11/3/2006	Renewal	28.0
Cuba	A L Blades & Sons Inc	90947	Smith Gravel Pit	7/25/2006	Modification	8.7
Genesee	Dickerson, Terry	90962	Dorvit Site	6/12/2006	New	1.0
Genesee	Genesee, Town of	90013	Genesee Gravel Pit	10/31/2006	Renewal	7.0
Hume	Thomas, Steven and Martha	90621	Harris Clay Mine	1/5/2006	Modification	2.5
Part	Buffalo Crushed Stone Inc	90644	Emerson Sand And Gravel Pit	10/4/2006	Renewal	25.0
Broome						
Colesville	A & G Associates	70678	Dyer Flat Mine	9/12/2006	Renewal	24.0
Fenton	Burton F Clark Inc	70454	Gorick Rte 369 Mine	3/29/2006	Modification	22.9
Fenton	Burton F Clark Inc	70639	Rte 369 Mine	3/29/2006	Modification	40.0
Fenton	Fenton, Town of	70523	Pigeon Hill Road Mine - Pigeon Hill Ro	1/10/2006	Renewal	9.2
Lisle	Bennett, Lynn	70790	Bennett Mine	1/5/2006	Renewal	8.0
Lisle	F S Lopke Contracting Inc	70050	Howland Farm Mine	5/15/2006	Modification	14.5
Lisle	Fletcher Gravel Co Inc	70724	Lisle Gravel Mine	9/28/2006	Renewal	28.0
Lisle	Lisle, Town of	70790	Bennett Mine	7/6/2006	Modification	8.0
Sanford	Tompkins Bluestone Co Inc	70810	Thomas Quarry - Kenyon Hill Road	9/15/2006	Renewal	5.0
Vestal	Barney And Dickenson Inc	70086	Vestal Site	5/26/2006	Renewal	136.7
Windsor	Burnett, Todd	70902	Burnett Quarry	9/15/2006	New	5.0
Cattaraugus						
Allegany	Richard Peck Construction Inc	90636	Birch Run Gravel Pit	10/4/2006	Renewal	11.0
Ashford	Cold Spring Construction Co	90964	Hebdon Gravel Pit	8/7/2006	New	15.0
Conewango	Conewango, Town of	90726	Town Pit #2	2/8/2006	Renewal	1.0
Dayton	Country Side Sand & Gravel Inc	90676	Wesley Gravel Pit	9/5/2006	Renewal	1.0
Farmersville	Perkins, Roderick L	90134	Perkins Mine	2/15/2006	Modification	2.8
Freedom	E R Rule & Sons Inc	90442	Rule Pit	11/3/2006	Renewal	5.0
Freedom	Freedom, Town of	90460	Town Of Freedom Gravel Pit	4/18/2006	Renewal	10.0

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Cattaraugus						
Little Valley	Seneca Construction Services Inc	90634	Little Valley Gravel Pit	11/27/2006	Renewal	3.4
Machias	Buffalo Crushed Stone Inc	90256	Machias Plant	10/2/2006	Renewal	106.0
Machias	Cattaraugus County DPW	90898	Machias Deposit	9/21/2006	Modification	5.6
Machias	D & H Materials, Inc.	90690	Hard Rock Gravel Products	6/2/2006	Modification	4.0
Randolph	Jamestown Macadam Inc	90022	Corbett Hill Gravel Products	12/11/2006	Renewal	90.0
Randolph	Jamestown Macadam Inc	90022	Corbett Hill Gravel Products	9/7/2006	Modification	90.0
Cayuga						
Genoa	Cayuga Crushed Stone Inc	70391	Reeves Mine	10/31/2006	Modification	12.1
Sennett	Robinson Concrete Inc	70162	Potter Pit	6/22/2006	Modification	38.7
Chautauqua						
Charlotte	H H Rauh Paving Inc	90924	Rauh Aggregate Mine	4/18/2006	Modification	8.0
Charlotte	Tri-James Services Inc	90635	Merle Goot Gravel Mine	9/15/2006	Modification	10.0
Ellington	Clear Creek Gravel Products	90399	Clear Creek Gravel Mine	6/20/2006	Renewal	5.0
Ellington	S. St. George Enterprises, Inc.	90413	Rhinehart Pit	4/12/2006	Renewal	45.0
French Creek	Kiebler Recreation, LLC	90404	Peek'n Peak Gravel Pit	4/19/2006	Modification	8.5
Harmony	Tri-James Services Inc	90642	Neil Gravel Mine	5/1/2006	Renewal	13.0
North Harmony	Tri-James Services Inc	90969	Opalecky Pit	11/30/2006	New	5.0
Poland	Waterboro Gravel Products, Inc.	90657	Beaver Farm Borrow Site	12/13/2006	Renewal	10.0
Pomfret	Country Side Sand & Gravel Inc	90637	Cole Gravel Pit	5/23/2006	Renewal	5.0
Pomfret	Gernatt Asphalt Products Inc	90315	Hubbard Pit	1/12/2006	Modification	7.5
Portland	Betts, Andrew	90774	Webster Road Site	10/11/2006	New	1.0
Sheridan	H Olsen & Sons Contractors Inc	90466	Olsen Gravel Mine	11/28/2006	Renewal	2.5
Villanova	Villanova, Town of	90337	East Lake Road	1/17/2006	Renewal	8.7
Chemung						
Ashland	Thomas, Roland	80537	Thomas Soil Excavation	9/15/2006	Renewal	12.5
Big Flats	Elmira / Corning Regional Airport	80694	Elmira/Corning Airport Mine	4/21/2006	Renewal	52.0
Big Flats	Glenn O Hawbaker Inc	80363	Big Flats Mine	1/10/2006	Renewal	30.0
Big Flats	Roy, Milton Jr	80700	Sing Sing Rd Pit	7/20/2006	Renewal	34.4
Catlin	Hornby, Town of	80212	Benedict Gravel Mine	8/2/2006	Modification	16.2
Chemung	Dalrymple Gravel & Contracting C	80475	Chemung Pit (McDonald Pit)	5/16/2006	Renewal	12.0
Chemung	Dalrymple Gravel & Contracting C	80716	Van Boven Pit	7/21/2006	Renewal	52.0
Horseheads	Dalrymple Gravel & Contracting C	80188	Breesport Pit	6/27/2006	Renewal	39.0

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Chemung						
Horseheads	Horseheads, Town of	80539	Bannister Road Horseheads Pit	5/11/2006	Renewal	6.0
Horseheads	Narde Paving Co Inc	80705	Pall/Buch Pit	6/2/2006	Renewal	30.2
Chenango						
Afton	Warrens Excavation & Stone Produ	70674	Warren's Pit, Algerine Street	11/22/2006	Modification	33.0
Afton	Warrens Excavation & Stone Produ	70885	Warren's Farm Sand and Gravel Rte 7	11/22/2006	Modification	12.8
Greene	Fahs Gravel And Soils Inc	70737	Fahs Property - Co. Rt. 32	4/8/2006	Renewal	4.0
Greene	Greene, Town of	70514	Town Pit - Co. Route 32	11/10/2006	Renewal	62.0
Lincklaen	Brown, Arthur C Jr	70725	Pleasant Valley Sand & Gravel	4/8/2006	Renewal	4.0
Lincklaen	Lincklaen, Town of	70800	Lincklaen Gravel Pit - Union Valley Rd.	3/15/2006	Renewal	18.0
Mcdonough	McDonough, Town of	70196	Shale Pit	6/20/2006	Renewal	6.0
Norwich	Chenango Concrete Corp dba B&B	70499	East River Road Bank	3/15/2006	Renewal	22.0
Norwich	Diversified Gravel Mine LLC	70199	Diversified Gravel Mine	1/27/2006	Renewal	18.0
Norwich	Diversified Gravel Mine LLC	70199	Diversified Gravel Mine	3/28/2006	Modification	18.0
Plymouth	Plymouth, Town of	70235	Bennett's Gravel Bed - Pigeon Hill Roa	7/1/2006	Renewal	4.0
Clinton						
Altona	Deyo, Tammy	50948	Deyo Mine-Altona	11/7/2006	Modification	20.3
Beekmantown	J E Sheehan Contracting Corporati	50847	Gonyo Gravel Mine	4/11/2006	Renewal	19.9
Chazy	Willi O Kalvatis/Glendon R Raffert	50982	Kalvaitis Mine	9/21/2006	New	17.1
Mooers	Champlain, Town of	50776	Emery/Gilbert Rd. Pit	1/9/2006	Renewal	10.0
Mooers	Gonyo Farm Excavation, LLC	50729	Arnold Gonyo Sand Mine	11/10/2006	Renewal	44.9
Mooers	Morse, Clinton C	50979	M& R Sand & Gravel	5/2/2006	New	41.0
Mooers	Rabideau Bros Excavating LLC	50874	Rabideau Excav. Blackman Corners Rd	2/23/2006	Renewal	3.0
Plattsburgh	Plattsburgh, Town of	50302	Town of Plattsburgh Sand Pit	4/20/2006	Renewal	18.0
Columbia						
Copake	G & S Excavating Inc	40772	Copake County Route 7 Mine	5/4/2006	Renewal	9.3
Greenport	Colarusso & Son, Inc.	40053	Fabiano Pit	7/14/2006	Renewal	39.0
Kinderhook	Troy Sand & Gravel Co Inc	40776	Kinderhook Sand & Gravel Bank	9/21/2006	Renewal	14.0
Livingston	A W Coon & Sons, Inc	40840	Blue Stores Mine	11/29/2006	New	15.2
Livingston	Red Wing Properties Inc	40605	Elizaville Mining Operation	10/2/2006	Renewal	2.0
Cortland						
Cortlandville	Marcy Excavation Co Inc	70825	Heath Road	9/11/2006	New	4.8
Cortlandville	Suit-Kote Corp	70060	Polkville Crushed Stone	6/19/2006	Renewal	176.6

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Delaware						
Hancock	Johnston & Rhodes Bluestone Co	40753	Schofield Quarry	3/30/2006	Renewal	3.9
Hancock	Tompkins Bluestone Co Inc	40560	Tar Hollow Quarry	1/30/2006	Renewal	13.0
Kortright	Kortright, Town of	40290	Kelly Gravel Bank	11/22/2006	Pre NY_Min	8.4
Masonville	American Bluestone LLC / Brown,	40733	Masonville Quarry	7/26/2006	Modification	12.7
Masonville	Johnston & Rhodes Bluestone Co	40740	Fiumera - Scheetz Quarry	1/12/2006	Modification	16.0
Masonville	Ronald Opeil Flagstone Company	40687	Masonville Quarry	3/13/2006	Modification	14.4
Middletown	Keenan, Daniel	40761	Vly Resources	1/4/2006	Modification	5.0
Stamford	Lafever Excavating Inc	40718	Bloomville Pit	4/6/2006	Renewal	25.0
Walton	Persson, Bruce	40468	Rt. 10/Walton Pit	9/8/2006	Modification	8.0
Dutchess						
Dover	Domain Sand & Gravel	30370		6/9/2006	Modification	18.0
Dover	R & J Materials	30565	Dover Furnace Rd. Pit	9/15/2006	Renewal	33.0
Milan	Red Wing Properties Inc	30197	Roe Jan Mine	1/6/2006	Renewal	40.8
Milan	Rock City Sand & Gravel Corp	30564	Rock City Sand & Gravel Pit	10/12/2006	Renewal	8.3
Pine Plains	Schultz Hill Holding LLC	30645	Schultz Hill Holding LLC	9/12/2006	New	3.0
Pleasant Valley	Daley, Robert	30263	Pleasant Valley Mine	3/8/2006	Modification	10.0
Pleasant Valley	Dutchess Quarry & Supply Co Inc	30027	Pleasant Valley Quarry	12/27/2006	Modification	90.9
Rhinebeck	Lobotsky, John & Joan	30614	Lobotsky Farm	6/1/2006	Modification	8.0
Stanford	Kading, Edward	30232	Darling Mine	4/16/2006	Modification	42.0
Union Vale	Clove Valley Rod & Gun Club	30621	Bass Pond Mine	11/22/2006	Renewal	9.0
Union Vale	Kiniry, Scott	30628	Scott Kiniry	6/9/2006	New	10.4
Erie						
Concord	McCarthy, Carolyn M/McCarthy, J	90441	J & C McCarthy Gravel Mine	5/24/2006	Modification	2.0
Concord	McCarthy, Joseph	90441	J & C McCarthy Gravel Mine	8/25/2006	Renewal	2.0
Concord	Waterman, Gregory P	90406	Waterman Pit	8/17/2006	Renewal	18.8
Concord	Zylinski, Raymond Jr,et al	90565	Belcher Road Clay Mine	3/17/2006	Renewal	10.0
Sardinia	Gernatt Asphalt Products Inc	90339	Sardinia South	5/23/2006	Renewal	1.0
Essex						
Keene	Whitney, Wade	50350	Spruce Hill Pit	5/4/2006	Renewal	7.5
Schroon	Shiell, Larry George	50234	Schroon Gravel Mine	2/6/2006	Renewal	5.0
St Armand	Trudeau Sand & Gravel Inc	50085	Trudeau Sand And Gravel Pit	11/16/2006	Renewal	39.4
Willsboro	West, Douglas A	50774	Mabel's Pit	11/22/2006	Renewal	10.0

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Franklin						
Altamont	Slater, Warren J.	50978	WJS Sand	9/21/2006	Pending	2.9
Bellmont	King, William G	50927	King Sand Pit	10/18/2006	Renewal	4.0
Brandon	Brandon, Town of	50372	Trimm Pit	10/12/2006	Modification	5.0
Brandon	Brandon, Town of	50708	Reynoldston Pit	1/9/2006	Renewal	12.0
Burke	Johnston, James W	50883	Johnston Property	2/1/2006	Modification	4.0
Dickinson	MacArthur Brothers LLC	50987	Ramsdell Farm	8/17/2006	New	1.8
Dickinson	Mills, Daniel S	50955	Harris Sand Pit	7/25/2006	Modification	3.0
Duane	Duane, Town of	50909	Town Of Duane Garage Pit	9/1/2006	Renewal	5.0
Malone	Graymont Materials NY Inc	50006	Porter Road Pit	1/9/2006	Renewal	22.0
Malone	Malone, Village of	50693	Bare Hill Sand Pit	1/9/2006	Modification	3.0
Westville	Mitchell Construction & Sales Inc	50989	Mitchell Construction Westville Pit	11/11/2006	New	5.0
Fulton						
Ephratah	Carver Sand & Gravel LLC	50426	Don Baker Pit #2	5/9/2006	Renewal	4.5
Johnstown	Johnstown, Town of	50842	Johnstown mine	1/30/2006	Modification	8.0
Johnstown	Rifenburg Construction Inc	50679	Maple Ave Extension Mine	5/11/2006	Renewal	17.3
Mayfield	Cranesville Aggregate Companies I	50143	Broadalbin Pit	10/18/2006	Renewal	34.0
Northampton	Delaney Crushed Stone Products In	50068	Bradt mine	11/3/2006	Modification	69.0
Genesee						
Alabama	Buffalo Crushed Stone Inc	80086	Alabama Quarry	9/27/2006	Pre NY_Min	271.0
Alexander	Frey Concrete Inc	80061	Frey S & G	8/21/2006	Modification	260.0
Alexander	K & R Day Trucking Inc	80010	WNYC Pit #2	5/17/2006	Modification	10.5
Alexander	Lafarge Corporation	80718	Barie Site	8/11/2006	Renewal	30.0
Batavia	Hanson Aggregates New York Inc	80095	St. John's Pit	2/9/2006	Modification	79.1
Le Roy	Diehl Development Inc	80663	Diehl Sand And Gravel	1/25/2006	Renewal	34.0
Oakfield	U. S. Gypsum Company	80066	Oakfield Mine	4/13/2006	Renewal	15.0
Stafford	Hanson Aggregates New York Inc	80075	Stafford Mine	12/11/2006	Renewal	123.0
Stafford	Moore Excavating	80149	Richard Moore Pit	10/18/2006	Renewal	15.0
Stafford	Seven Springs Gravel Products LL	80276	Seven Springs Gravel Products	10/13/2006	Renewal	30.0
Greene						
Catskill	Lehigh Northeast Cement Co	40041	Cementon/Alsen Quarry	12/22/2006	Modification	267.0
Coxsackie	Halsted Excavating Inc	40744	Halsted Shale Mine	3/30/2006	Modification	5.0
Lexington	Rappleyea, Greg K	40823	Beech Ridge #2	9/18/2006	Modification	4.5

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Greene						
New Baltimore	P & M Brick LLC	40061	Gedney Hill Mine	4/4/2006	Renewal	95.0
Hamilton						
Lake Pleasant	King, Charles Db a G H Wood Co I	50107	Guy Wood Sand and Gravel	5/1/2006	Renewal	4.9
Herkimer						
Herkimer	Talarico, Cheryl	60938	Talarico Sand & Gravel Mine	2/10/2006	Modification	45.6
Jefferson						
Adams	Adams, Town of	60282	Green Settlement Road	3/27/2006	Renewal	8.0
Adams	R G King Construction Inc	60266	Green Settlement Road Pit	10/25/2006	Modification	25.2
Cape Vincent	Jefferson County Highway Dept	61065	Hall Mine at CR-4	7/14/2006	New	25.1
Champion	Champion Materials, Inc.	60220	Carthage Site	6/2/2006	Modification	166.2
Champion	Jefferson County Highway Dept	60006	Tillotson Pit	10/24/2006	Renewal	5.0
Champion	Tug Hill Construction Inc	60227	Kellogg Pit	10/10/2006	Pending	73.6
Clayton	Cape Vincent, Town of	60058	Cape Vincent	6/13/2006	Renewal	13.0
Clayton	Clayton, Town of	60064	Landfill Site	4/2/2006	Renewal	4.0
Clayton	Clayton, Town of	60597	Crystal Springs Road Mine	4/2/2006	Renewal	9.0
Ellisburg	Bast, Durwood	61064	Bast Sand Mine	5/23/2006	New	4.0
Ellisburg	Dodge, David	60651	County Route 79 mine	10/6/2006	Modification	20.5
Ellisburg	Williams, Morgan	61021	Mixer Road Pit	3/27/2006	Modification	7.3
Leray	Converse, Stephen J.	61053	Lafave Mine	1/1/2006	New	47.0
Leray	Converse, Stephen J.	61053	Lafave Mine	5/3/2006	Modification	47.0
Rodman	R G King Construction Inc	60472	King's Quarry	10/25/2006	Modification	48.4
Theresa	G & J Trucking	60812	Bartlett Mine	12/21/2006	Renewal	3.5
Watertown	Escudero, Edward F	60499	Escudero Quarry	10/2/2006	Renewal	10.0
Wilna	Tug Hill Construction Inc	61062	Farr Gravel Mine	3/13/2006	New	9.8
Lewis						
Greig	Greig, Town of	60934	Landfill Mine	10/24/2006	Renewal	9.0
Livingston						
Avon	Call Lands	80491	Tuchrello Mine	9/1/2006	Pre NY_Min	1.0
Avon	Dolomite Products Company Inc	80236	Avon Pit	3/7/2006	Renewal	55.0
Caledonia	Valley Sand & Gravel Inc	80005	Scottsville Plant	3/21/2006	Renewal	268.2
Groveland	American Rock Salt Co LLC ARS	80695	Hampton Corners Mine	12/14/2006	Renewal	672.0
Mount Morris	Elam Sand & Gravel Corp	80433	Sandhill Road Pits	5/12/2006	Renewal	17.1

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Livingston						
Springwater	Springwater, Town of	80530	Highway Pit	1/18/2006	Renewal	14.0
Madison						
Cazenovia	Cazenovia, Town of - Highway De	70526	Cazenovia Gravel Bed - Nine Road	7/25/2006	Renewal	6.0
Lebanon	Lebanon, Town of	70761	Smith Gravel Bed	8/4/2006	Modification	12.0
Lebanon	Rasmussen Gravel Products LLC	70888	Corbin Gravel Pit	12/1/2006	Modification	5.0
Lincoln	Callanan Industries Inc	70017	Oxbow Quarry	12/27/2006	Modification	156.0
Madison	Rasmussen Gravel Products LLC	70649	Ferguson Gravel Bed	9/27/2006	Renewal	6.0
Oneida City	Johnson's Sand Bed Inc.	70093	Johnson's Sand Bed Inc.	1/1/2006	Modification	56.0
Sullivan	J B Quarry Inc	70875	Worlock Acres Quarry	12/1/2006	New	15.9
Monroe						
Ogden	Dolomite Products Company Inc	80064	Ogden Pit	8/24/2006	Renewal	80.0
Penfield	Manitou Construction Co Inc	80017	Redman Quarry	11/2/2006	Pre NY_Min	117.0
Montgomery						
Florida	Cushing Stone Co Inc	40095	Cranesville Quarry	2/24/2006	Modification	168.0
Niagara						
Lewiston	Mawhiney Trucking Inc	90906	Helmich Site	6/2/2006	Modification	45.0
Lockport	MKB Inc	90659	Wilson Road East	8/22/2006	Renewal	8.0
Wheatfield	Papke, Charles R	90693	Errick Road Mine	6/14/2006	Renewal	4.0
Oneida						
Annsville	Annsville, Town of	60987	Boardman Pit	2/22/2006	Renewal	5.0
Floyd	Hoyte, Thomas	60917	Hoyte Sand & Gravel Mine	8/1/2006	Renewal	11.2
Lee	Delta Lake Estates	60784	Delta Lake Estates	6/19/2006	Renewal	4.0
Remsen	Burns, Dennis	61061	Burns Sand & Gravel Pit	4/13/2006	New	5.0
Remsen	Remsen, Town of	60604	Wagner Pit	8/2/2006	Renewal	2.0
Rome	Kelly, Daniel	60557	Hoag Rd Sand & Gravel Pit	2/23/2006	Renewal	5.0
Vernon	Burton D Seymour Excavating	61035	Acee Gravel Pit	11/29/2006	Modification	12.7
Vienna	Regan, Patrick	60157	North Bay Pit	1/23/2006	Modification	4.9
Vienna	Scoville, Roy	61058	Scoville Sand & Gravel	5/19/2006	New	4.5
Vienna	Williams, Philip G.	60483	Newton Mine	11/8/2006	Renewal	19.5
Onondaga						
Cicero	Gerber, Janet F	70466	Gerber Topsoil - Oxbow Road	6/28/2006	Renewal	45.0
Clay	Marcy Excavation Co Inc	70740	Black Creek Road Mine,Black Creek R	7/25/2006	Renewal	19.0

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Onondaga						
Dewitt	Alpha Jamesville Corporation	70626	Alpha Jamesville	3/28/2006	Renewal	59.0
Elbridge	Hourigan's Dairy Farm, LLC	70256	Young's Gravel Bed #2	6/15/2006	Modification	12.0
Marcellus	Dearborn Deposits Limited	70664	Limeledge Road	10/1/2006	Renewal	40.0
Marcellus	J.J. Mining Company, Inc,	70487	Marcellus Products - Masters Road	9/25/2006	Modification	5.0
Marcellus	Smith, David J	70160	Davis Pit	6/26/2006	Modification	17.0
Onondaga	Barrett Paving Materials Inc	70089	Tanner Road Mine	10/23/2006	Renewal	20.0
Onondaga	Devine, James	70165	Devine Gravel Bed - Route 80	11/22/2006	Renewal	2.0
Part	Fletcher Gravel Co Inc	70005	Marcellus Plant	7/31/2006	Renewal	153.0
Skaneateles	Hanson Aggregates New York Inc	70024	Skaneateles Quarry	4/21/2006	Modification	278.0
Ontario						
Farmington	Eastern Sand & Gravel Inc	80772	Herendeen S & G Pit	2/1/2006	Renewal	10.0
Manchester	Marcy Excavation Co Inc	80692	Vanopdorp Pit#2	5/22/2006	Modification	22.3
Manchester	Morris, I A	80819	Clifton Springs Mine	2/9/2006	New	3.0
Manchester	Outlet Road LLC	80410	Manchester Pit	1/25/2006	Renewal	11.1
Naples	Kula, Steve J	80226	Bishop Pit	9/14/2006	Renewal	28.5
Phelps	Dendis Sand & Gravel Inc	80076	Philips Pit	3/20/2006	Renewal	12.0
Phelps	Dendis Sand & Gravel Inc	80685	Hayes Road	3/20/2006	Renewal	34.0
Phelps	Dendis Sand & Gravel Inc	80760	Cress Road	4/11/2006	Renewal	32.8
Phelps	Hanson Aggregates New York Inc	80009	Phelps Mine	11/6/2006	Renewal	240.0
Phelps	Syracusa Sand & Gravel Corp	80025	Gifford Road Pit	4/19/2006	New	78.0
Phelps	Syracuse Sand & Gravel LLC	80634	Lake Road Pit	4/20/2006	Modification	44.5
South Bristol	Rogers, Guy W	80168	Guy Rogers Gravel Pit	12/19/2006	Renewal	14.0
South Bristol	Warner, David & Glenn	80169	Tiberio Pit	8/9/2006	Renewal	16.0
Victor	Genesee Sand & Gravel, LLC	80105	Genesee S & G	1/25/2006	Renewal	25.4
Victor	Victor, Town of	80130	Mccarthy Pit	11/10/2006	Pre NY_Min	24.0
Orange						
Crawford	Grosso Materials Inc	30109	Crawford Works	12/6/2006	Renewal	39.3
Deerpark	P J Quarry Inc	30020	PJ Quarry	6/14/2006	Modification	55.0
Deerpark	Somarelli Trucking	30094	Somarelli Mine	3/24/2006	Renewal	4.0
Goshen	Cornelius L Alders	30483	Alders Pit	10/24/2006	Renewal	7.7
Mount Hope	Sweetman, Sam	30464	Sweetman Sand Pit	12/29/2006	Renewal	14.0
Wallkill	Smiley, William	30434	Smiley Farm(Stage Rd)	3/6/2006	Renewal	6.5

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Orange						
Wawayanda	Wawayanda, Town of	30494	Hall Pit	1/19/2006	Renewal	8.3
Orleans						
Barre	Domoy, Francis M	80318	Domoy Pit	11/27/2006	Renewal	7.0
Oswego						
Constantia	Oswego County DPW	70482	Vanderkamp Mine	3/28/2006	Renewal	18.0
Granby	J K Tobin Construction Co Inc	70564	South Granby Pit	9/7/2006	Modification	12.0
Granby	Northern Aggregates Inc	70735	Stoney Robby Mine	6/13/2006	Renewal	11.3
Hannibal	Stupp, Christopher Sr.	70727	Simmons Gravel Pit #2, Old Rt. 104	3/20/2006	Modification	4.0
Hastings	Earl Becker Construction Inc	70489	Parker Mine - Smith Road	9/14/2006	Renewal	3.0
Mexico	Earl Becker Construction Inc	70622	Branch Pit - U.S. Route 11	11/16/2006	Renewal	1.0
Mexico	Mexico, Town of	70239	Mexico - Tubbs Road	5/26/2006	Renewal	65.0
Mexico	Rose, David	70607	Pople Ridge Mine	2/28/2006	Renewal	8.3
Mexico	Weaver, Robert L	70876	Rowe Road Gravel Pit	11/2/2006	New	2.9
New Haven	Rose, David	70663	Pit #2	6/15/2006	Renewal	5.0
Orwell	Oswego County DPW	70287	Sampson's Pit	8/23/2006	Renewal	26.9
Palermo	Bresnahan, Robert	70818	Roberta Rice Mine	5/9/2006	Modification	3.8
Palermo	Bresnahan, Robert	70893	Bresnahan Topsoil Mine	9/28/2006	New	21.2
Palermo	Oswego County DPW	70132	Rawson's Sand Pit - Besaw Road	2/1/2006	Renewal	30.0
Richland	Coffin, Robert E	70791	Ivens Road Mine	1/27/2006	Renewal	9.5
Richland	Coffin, Robert E	70813	Coffin Topsoil Mine - Peck Road	10/18/2006	Renewal	14.0
Sandy Creek	Sandy Creek, Town of	70452	Snyder Pit	10/12/2006	Renewal	18.0
Scriba	Jacobson Farms, Inc.	70831	Vickery-Jacobson Pit	6/1/2006	Renewal	7.3
West Monroe	Brown, Jack	70212	Jack Brown And Sons 49 pit	5/5/2006	Renewal	50.0
Otsego						
Laurens	Holbrook, Claude R	40763	Holbrook Gravel Mine	10/17/2006	Renewal	2.7
Laurens	Laurens, Town of	40230	Landfill Pit	10/10/2006	Renewal	15.0
Maryland	Maryland, Town of	40748	County Rte 34 / Whiteman Pit	11/2/2006	Renewal	9.0
Milford	Cobleskill Stone Products Inc	40079	Broe (Hemlock Rd.) Pit	8/23/2006	Modification	64.0
Oneonta	Seward Sand & Gravel Inc	40656	Southside Gravel Pit	7/20/2006	Renewal	16.0
Oneonta City	Place, Larry W	40833	Place Gravel Mine	11/17/2006	New	7.4
Unadilla	Stevens, Larry	40668	Stevens Gravel Mine	4/11/2006	Renewal	9.9
Unadilla	Waste Recovery Enterprises LLC	40090	Valley View Mine	3/28/2006	Modification	62.1

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Otsego						
Westford	Westford, Town of	40678	Greenbush Road/Tim Green Pit	12/15/2006	Renewal	3.0
Rensselaer						
Berlin	Hammersmith, William J	40843	Hammersmith Gravel Mine	1/24/2006	New	2.5
Hoosick	Hoosick Sand & Gravel	40482	Bakaitis / Baby Lane Pit	6/12/2006	Renewal	10.1
Poestenkill	Poestenkill, Town of	40229	Dennis Road Pit	3/17/2006	Renewal	4.0
Sand Lake	Dahl, John W. & Eric M.	40838	Dahl Property Mine	1/17/2006	Modification	6.0
Schaghticoke	Czub, James P	40836	West Wind Farms	10/25/2006	New	8.5
Schaghticoke	DelSignor Blacktop Paving, Inc.	40051	Speigletown Pit	1/23/2006	Renewal	10.3
Schaghticoke	Troy Sand & Gravel Co Inc	40123	Cammarota Pit	6/12/2006	Modification	55.5
Schaghticoke	Troy Sand & Gravel Co Inc	40123	Cammarota Pit	6/12/2006	Renewal	55.5
Schaghticoke	Warren W Fane Inc	40283	Perry Pit /Route 40	4/28/2006	Modification	70.5
Schaghticoke	Weir, John C	40762	Weir Sand & Gravel Mine	3/10/2006	New	15.9
Rockland						
Clarkstown	Tilcon New York Inc	30010	West Nyack Quarry	9/25/2006	Renewal	153.0
Saratoga						
Corinth	Corinth, Town of	50810	Town Of Corinth Pit	11/29/2006	Renewal	9.0
Milton	Pompa Bros Inc	50065	Milton Quarry	7/25/2006	Modification	66.7
Milton	Pompa Bros Inc	50499	Julick Pit	7/24/2006	Renewal	15.5
Moreau	Lehigh Northeast Cement Co	50021	Glens Falls Quarry	12/5/2006	Modification	149.0
Northumberland	Finch Pruyn & Co Inc	50897	Clay Mine	10/18/2006	Renewal	8.0
Providence	Kellar, Arthur B & Patricia E	50514	South Line Road Mine	12/21/2006	Modification	9.6
Stillwater	Willow Glen Sand And Gravel	50144	Willow Glen Mine	3/27/2006	Modification	9.0
Schenectady						
Duanesburg	Mariaville Peat Company	40134	Mariaville Peat Mine	2/1/2006	New	12.7
Schoharie						
Conesville	Conesville, Town of	40775	Bush Road Gravel Mine	4/4/2006	Renewal	9.2
Schuyler						
Catharine	Hector, Town of	80808	Town of Hector - States Pit	7/10/2006	New	38.0
Hector	Diliberto, Andrew	80818	Diliberto Mine	1/3/2006	New	3.5
Hector	Hanson Aggregates New York Inc	80222	Burdett	9/11/2006	Renewal	98.1
Hector	William Proctor & Son, D.B.A.	80553	Swick Pit	4/13/2006	Renewal	6.5
Montour	Catharine, Town of	80723	Reynolds Pit	11/29/2006	Modification	9.9

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Schuyler						
Tyrone	Tyrone, Town of	80775	Bocek Gravel Pit	11/14/2006	Renewal	26.5
Seneca						
Fayette	Seneca Stone Corporation	80023	Seneca Stone Corporation Quarry	11/13/2006	Renewal	259.3
St. Lawrence						
Clifton	Langevin Excavation	60714	Benson Mines	6/12/2006	Renewal	4.0
Clifton	Newstech NY - St. Lawrence Divis	60447	Crane Pond	9/25/2006	Renewal	11.0
Fine	Bruce Langevin	61008	Langevin Pit	3/13/2006	New	5.0
Lawrence	Lawrence, Town of	60881	Mill Road Site	7/18/2006	Renewal	6.0
Macomb	Macomb, Town of	60750	Pine Hill Road Sand & Gravel Pit	7/18/2006	Renewal	15.7
Madrid	Madrid, Town of	61071	Pollock Road Pit	12/6/2006	New	5.0
Morristown	Stout's Ready Mix Ltd.	60230	Stout Mine	4/24/2006	Renewal	66.0
Oswegatchie	Seaway Timber Harvesting, Inc.	61051	Livingston Topsoil Mine	2/14/2006	New	126.0
Parishville	Randall, Richard	61060	Pit # 2	3/30/2006	New	4.9
Piercefield	Tupper Lake, Town of	60108	Gale Pit	10/11/2006	Renewal	15.0
Stockholm	J E Sheehan Contracting Corp	60719	Southville Gravel Pit	3/8/2006	Renewal	14.3
Steuben						
Bath	Bath Sand & Gravel Inc	80714	Knowles Mine	4/5/2006	Renewal	8.0
Bath	Blades Construction Products Corp	80038	Steuben Crushed Stone	9/26/2006	Pre NY_Min	64.2
Bath	Dalrymple Gravel & Contracting C	80340	Savona Pit	5/10/2006	Renewal	34.3
Bath	Savona Sand & Gravel Inc	80221	Savona Mine - Robie Rd.	10/2/2006	Renewal	43.4
Bath	Wheeler, Town of	80343	Jones Pit	2/15/2006	Renewal	6.8
Cohocton	Elam Sand & Gravel Corp	80003	Cohocton Sand & Gravel Pits	4/14/2006	Renewal	92.7
Cohocton	Kanaval, Reuben Jr	80616	Kanaval Pit	10/27/2006	Pre NY_Min	8.5
Corning	Rhinehart Sand & Gravel Inc	80375	East Pit	11/1/2006	Renewal	33.0
Corning City	Swartz, Wayne	80824	Swartz Mine	9/28/2006	New	1.0
Erwin	Cold Spring Construction Co	80752	Cold Spring Development	1/31/2006	Modification	54.5
Erwin	Hakes Erwin LLC	80586	Gang Mills Pit/Hakes Construction	7/26/2006	Modification	9.0
Erwin	Hakes Erwin LLC	80586	Gang Mills Pit/Hakes Construction	6/1/2006	Renewal	9.0
Fremont	A L Blades & Sons Inc	80691	Hendee Pit	4/28/2006	Renewal	13.8
Hornellsville	Sharp's Hill Real Estate Developme	80672	Sharps Hill Development Corp Borrow	6/14/2006	New	17.8
Howard	Blades Construction Products Corp	80203	Howard Operation	12/28/2006	Modification	149.2
Howard	Howard, Town of	80481	Phitzenmaier Pit	10/20/2006	Pre NY_Min	10.5

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Steuben						
Lindley	Tytor Corporation	80802	Fred Robbins Gravel Pit	1/20/2006	Modification	5.0
Wayland	Groveland, Town of	80657	Groveland Pit	4/6/2006	Renewal	25.0
Wayland	Hober Enterprise Inc	80158	Hober's Pit	11/28/2006	Renewal	3.5
Woodhull	Woodhull, Town of	80622	Strauss Pit	8/31/2006	Renewal	2.0
Suffolk						
Brookhaven	Roanoke Sand & Gravel Corp	10005	Roanoke Sand And Gravel, Mid Is	5/12/2006	Renewal	151.0
East Hampton	Bistrain Gravel Corp	10008	Bistrain Gravel Corp, Barry Bistrain	7/31/2006	Renewal	80.0
Riverhead	Suffolk Cement Products Inc	10018	Suffolk Cement Plant Site	2/3/2006	Renewal	22.0
Southampton	Sagaponack Sand & Gravel	10036	Sagaponack Sand And Gravel	6/30/2006	Renewal	7.0
Southampton	Westhampton Mining Aggregates,	10099	Westhampton Mining Aggregates	7/5/2006	Renewal	20.0
Southampton	Westhampton Property Associates,	10042	Westhampton Property Associates	10/24/2006	Modification	75.0
Sullivan						
Bethel	Liberty, Town of	30487	East Side Of Rt 55 & Cr 14	3/6/2006	Modification	25.0
Bethel	Woodbourne Lawn And Garden In	30497	Mongaup Valley Pit	3/23/2006	Renewal	11.3
Neversink	Dean, Archie	30187	Archie Dean Mine	10/18/2006	Renewal	8.1
Tioga						
Berkshire	Berkshire, Town of - Highway Dep	70806	Town Gravel Mine #1	7/20/2006	Modification	2.0
Candor	Porter's Concrete Service Inc	70808	Catatonk Mine - NYS Route 96	5/31/2006	Renewal	32.0
Owego	Burton F Clark Inc	70459	Blodgett Road Mine	5/17/2006	Renewal	32.0
Owego	Burton F Clark Inc	70459	Blodgett Road Mine	3/29/2006	Modification	32.0
Owego	Jackson, James D	70736	Jackson's Pit	11/16/2006	Modification	8.9
Tompkins						
Dryden	Economy Paving Co Inc	70282	Wolf Pit	4/5/2006	Renewal	9.0
Dryden	Finger Lakes Stone Co Inc	70107	Finger Lakes Quarry	5/12/2006	Modification	6.5
Dryden	NMP Ithaca Ltd	70895	Dryden Quarry	10/26/2006	New	10.5
Dryden	RMS Gravel Inc	70174	RMS Gravel - Bartlett Pit, Mott Road	4/13/2006	Modification	31.5
Ithaca	Rancich, John	70849	Marshall	4/6/2006	Modification	4.8
Newfield	Newfield Gravel Corporation	70747	Newfield Mine - Off NYS Route 13	5/4/2006	Modification	29.0
Newfield	Newfield, Town of	70314	Havlik Pit - Trumbulls Corners Road	2/17/2006	Renewal	12.0
Ulster						
Esopus	Callanan Industries Inc	30184	Port Ewen Quarry	10/25/2006	Renewal	139.0
Marbletown	Russell, John M	30192	John Russell Mine	9/21/2006	Renewal	9.0

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Ulster						
Part	Callanan Industries Inc	30060	East Kingston	11/2/2006	Renewal	95.0
Plattekill	MKB Inc	30498	Susi Mine	9/19/2006	Renewal	12.0
Rochester	Frank Kortright Excavating Inc	30144	Rochester Center Road Pit	10/11/2006	Modification	10.5
Rochester	Palisades Interstate Park Commissi	30556	Lyons Road Shale Bank	4/20/2006	Modification	3.0
Saugerties	Saugerties, Town of	30233	Shear Rd Pit	10/24/2006	Renewal	4.0
Ulster	Leo Boice & Sons Inc	30636	Sawkill Mine	9/13/2006	New	3.1
Ulster	Thomas Slattery DbA Duke's Pit	30153	Duke's Pit	8/15/2006	Renewal	39.9
Wawarsing	Mehlon Trucking	30639	Lurock	6/23/2006	Renewal	9.0
Warren						
Chester	Bennett, Edward W	50983	Bennett Pit	12/28/2006	New	2.7
Chester	Peckham Materials Corp	50031	Chestertown Site	3/24/2006	Modification	182.6
Glens Falls	Jointa Galusha LLC	50017	Jointa-Lime mine	11/29/2006	Modification	21.0
Lake George	Schindelar, Richard P	50048	Keith Harris Pit	8/4/2006	Modification	6.3
Warrensburg	Star Sand and Gravel Inc	50523	Lambert Pit	8/8/2006	Modification	10.3
Washington						
Easton	B J Farms Inc	50439	B J Farms Pit	10/18/2006	Renewal	58.0
Easton	Curtis, John	50577	Coulter's Pit	5/11/2006	Modification	5.0
Easton	Johnson, Edward R	50980	Duelwood Farms Gravel Bed	6/28/2006	New	5.0
Fort Ann	Freidman, Charles, Excavating Inc	50121	Stiles Pit	3/22/2006	Modification	16.0
Fort Ann	North Country Stone Inc	50985	Fort Ann Quarry	9/25/2006	New	6.5
Granville	Thomas, Kenneth L, III	50913	Thomas mine	4/3/2006	Renewal	3.0
Greenwich	Lewandowski, Thomas	50806	Lewandoski mine	1/17/2006	Modification	9.7
Whitehall	Adirondack Natural Stone	50976	North Quarry	5/26/2006	New	17.7
Whitehall	Adirondack Natural Stone	50977	Harvest quarry	5/26/2006	New	6.4
Wayne						
Arcadia	Abram-Cleason Co Inc	80080	Palmer Road Site	8/24/2006	Renewal	30.0
Butler	Butler, Town of	80467	Nixon Pit	8/1/2006	Modification	9.0
Butler	Hanson Aggregates New York Inc	80248	Red Creek	12/27/2006	Renewal	52.1
Galen	Galen and Lyons, Towns of	80825	Galen-Lyons Landfill Mine	6/12/2006	New	2.0
Galen	Montemorano Bros., Inc.	80787	The Flats Turf and Gravel	2/1/2006	Modification	32.8
Galen	Montemorano, Steven	80813	KM Home Pit #1	7/28/2006	New	4.0
Lyons	Montemorano Bros., Inc.	80768	Montemorano Pit #4 - South Lyons Site	4/24/2006	Renewal	3.0

Mined Land Permits Issued During 2006

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Wayne						
Macedon	Eastern Sand & Gravel Inc	80566	Macedon II (Former Walworth Rd. Pit)	11/6/2006	Modification	76.0
Macedon	Macedon, Town of	80103	Macedon Pit	1/30/2006	Renewal	17.0
Macedon	McPherson, Donald	80773	Route 350 Mining	8/3/2006	Renewal	4.0
Sodus	R.G. Rochester, Inc.	80710	Smith Gravel Pit	2/21/2006	Renewal	20.7
Sodus	Sodus, Town of	80781	Robinson Road Gravel Mine	11/6/2006	Pre NY_Min	6.0
Westchester						
Cortlandt	Liaskos, George	30609	Cortlandt Colonial Restaurant Site	6/27/2006	Renewal	4.0
Wyoming						
Arcade	Arcade, Town of	90727	Town Pit	6/14/2006	Renewal	17.0
Arcade	D & H Excavating Inc	90799	Bray Road Pit	11/3/2006	Renewal	9.0
Java	Java Materials Inc	90433	Hackett Pit	11/27/2006	Renewal	10.0
Pike	Borer, John	90811	Pike Gravel Pit	11/1/2006	Modification	10.0
Yates						
Benton	Benton, Town of - Highway Dept	80200	Benton Pit	10/10/2006	Pre NY_Min	14.0
Jerusalem	Jerusalem, Town of	80783	Lower Pit/Pit #2	11/1/2006	Renewal	8.8
Starkey	Roy Howell	80084	Smith Pit - Dundee Hinrod Road	1/26/2006	Modification	45.4
Starkey	Washburn, Stephen R.	80560	Washburn Pit	10/16/2006	Pre NY_Min	16.0

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Albany						
Bluestone	1	0	66	30	0	30
Clay	2	4	137	75	34	41
Limestone	3	0	1,342	889	6	883
Sand and Gravel	11	27	553	508	270	238
Shale	1	8	137	139	32	107
Topsoil	0	2	44	44	43	1
County Totals	18	41	2,280	1,685	385	1,301
Allegany						
Clay	1	1	7	7	4	3
Glacial Till	0	2	3	2	2	0
Sand and Gravel	44	62	1,506	948	383	566
Sandstone	1	0	8	4	0	4
Topsoil	0	2	17	4	2	2
County Totals	46	67	1,541	965	391	574
Broome						
Bluestone	25	14	266	180	18	162
Clay	0	3	40	12	6	6
Glacial Till	0	3	19	19	19	0
Sand and Gravel	26	27	1,321	1,179	589	589
Shale	1	0	0	38	7	31
Topsoil	0	1	3	3	3	0
County Totals	52	48	1,649	1,431	642	789
Cattaraugus						
Clay	0	2	16	16	16	0
Glacial Till	0	2	8	8	8	0
Peat	1	0	6	5	0	5
Sand and Gravel	72	57	4,882	2,736	841	1,895
Shale	1	4	24	24	21	3
Topsoil	0	1	15	15	15	0
County Totals	74	66	4,951	2,804	901	1,903
Cayuga						
Clay	1	4	66	32	22	10
Glacial Till	1	1	26	26	6	20
Limestone	1	0	225	74	0	74
Sand and Gravel	27	49	906	689	285	404
Shale	0	1	0	0	0	0
County Totals	30	55	1,222	821	313	508
Chautauqua						
Clay	1	2	82	73	44	29
Glacial Till	0	2	35	28	28	0
Sand and Gravel	54	83	1,741	1,055	571	484
Sandstone	0	2	56	24	12	12
Topsoil	0	3	24	31	31	0
County Totals	55	92	1,938	1,211	686	525

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Chemung						
Clay	0	1	4	4	4	0
Glacial Till	0	8	0	54	54	0
Sand and Gravel	24	53	1,115	965	453	531
Topsoil	2	0	34	30	6	24
County Totals	26	62	1,153	1,053	517	554
Chenango						
Bluestone	4	2	75	57	13	44
Clay	0	1	13	1	1	0
Sand and Gravel	36	62	1,541	1,153	327	826
Shale	1	9	22	25	14	11
Topsoil	0	1	9	0	0	0
County Totals	41	75	1,661	1,235	355	880
Clinton						
Clay	0	2	2	4	4	0
Granite	1	0	69	18	0	18
Limestone	3	1	197	127	3	124
Sand and Gravel	55	69	2,336	1,401	440	961
Sandstone	2	0	114	26	0	26
Topsoil	0	7	53	65	43	22
County Totals	61	79	2,771	1,641	490	1,151
Columbia						
Clay	0	7	60	123	111	12
Limestone	2	0	1,299	357	0	357
Peat	1	11	40	52	45	7
Sand and Gravel	34	36	1,378	1,063	337	726
Shale	0	1	3	3	3	0
Topsoil	1	0	23	23	3	20
County Totals	38	55	2,804	1,621	499	1,123
Cortland						
Glacial Till	0	5	19	34	29	5
Sand and Gravel	22	39	1,119	849	467	382
Shale	0	1	1	1	1	0
County Totals	22	45	1,138	884	497	387
Delaware						
Bluestone	48	13	486	392	76	316
Clay	1	0	5	5	2	4
Sand and Gravel	34	70	893	779	287	493
Sandstone	1	1	128	123	0	123
County Totals	84	84	1,511	1,299	364	936
Dutchess						
Dolostone	2	0	777	773	0	773
Glacial Till	0	1	0	0	0	0
Granite	2	0	353	111	5	106
Marble	1	0	2	2	0	2

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Dutchess						
Peat	0	1	0	140	140	0
Sand and Gravel	53	90	2,797	2,519	1,409	1,109
Shale	0	1	0	5	5	0
Stone	0	1	70	70	70	0
County Totals	58	94	3,999	3,619	1,629	1,989
Erie						
Clay	8	12	361	284	194	98
Glacial Till	0	3	72	65	65	0
Limestone	3	0	1,197	907	0	907
Sand and Gravel	42	34	2,629	1,718	673	1,046
Shale	1	0	6	4	0	4
Topsoil	1	4	420	250	247	3
County Totals	55	53	4,685	3,228	1,179	2,058
Essex						
Clay	0	2	6	6	4	2
Granite	3	0	356	94	1	93
Iron Ore	0	1	138	138	138	0
Limestone	0	2	2	4	4	0
Sand and Gravel	36	53	1,125	604	198	407
Topsoil	0	1	0	10	10	0
Wollastonite	3	0	226	221	0	221
County Totals	42	59	1,853	1,077	355	723
Franklin						
Clay	1	0	5	5	0	5
Granite	1	0	108	67	0	67
Sand and Gravel	68	60	1,264	861	249	612
Sandstone	2	0	53	18	0	18
Topsoil	1	2	10	30	28	2
County Totals	73	62	1,440	981	277	704
Fulton						
Glacial Till	0	1	0	2	2	0
Sand and Gravel	24	32	980	599	221	378
Topsoil	0	1	8	7	7	0
County Totals	24	34	988	608	230	378
Genesee						
Clay	0	1	3	3	3	0
Gypsum	0	0	60	52	30	22
Limestone	5	0	1,077	766	0	766
Marl	1	1	29	29	23	7
Sand and Gravel	17	26	2,006	983	428	554
County Totals	23	28	3,175	1,833	484	1,350
Greene						
Clay	0	1	12	12	12	0
Glacial Till	0	1	10	10	10	0

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Greene						
Limestone	3	0	2,917	669	0	669
Sand and Gravel	11	19	338	281	104	177
Sandstone	1	1	129	18	4	14
Shale	7	3	300	191	22	169
Topsoil	0	1	8	8	8	0
County Totals	22	26	3,713	1,189	160	1,029
Hamilton						
Sand and Gravel	22	24	259	231	95	136
Stone	0	1	0	4	4	0
County Totals	22	25	259	235	99	136
Herkimer						
Clay	0	10	83	83	79	5
Dolostone	2	0	70	42	0	42
Limestone	2	0	336	306	0	306
Sand and Gravel	46	64	1,831	1,203	281	922
Topsoil	1	1	17	9	3	6
County Totals	51	75	2,336	1,642	362	1,280
Jefferson						
Clay	1	8	98	130	129	1
Granite	1	0	15	9	0	9
Limestone	18	7	1,287	953	22	931
Peat	0	3	46	23	14	9
Sand and Gravel	61	121	2,307	1,685	758	927
Shale	1	0	2	2	0	2
Topsoil	2	24	832	669	476	194
County Totals	84	163	4,586	3,471	1,399	2,072
Lewis						
Clay	0	3	6	6	6	0
Limestone	1	0	20	3	0	3
Sand and Gravel	33	91	1,021	849	324	525
Shale	3	20	128	127	68	59
Topsoil	0	1	0	3	3	0
Wollastonite	1	0	54	44	8	36
County Totals	38	115	1,229	1,032	410	622
Livingston						
Glacial Till	0	2	0	11	11	0
Limestone	1	0	429	289	0	289
Peat	0	1	3	3	3	0
Salt	2	0	9,055	727	30	697
Sand and Gravel	23	27	1,275	1,060	288	772
County Totals	26	30	10,762	2,090	332	1,758
Madison						
Clay	0	1	10	1	1	0
Glacial Till	0	1	18	18	18	0

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Madison						
Limestone	4	0	418	266	0	266
Peat	0	1	70	5	5	0
Sand and Gravel	20	27	861	543	226	317
Topsoil	0	1	49	0	0	0
County Totals	24	31	1,426	833	250	583
Monroe						
Dolostone	2	0	247	220	0	220
Glacial Till	0	6	25	71	71	0
Limestone	1	0	298	261	10	251
Sand and Gravel	13	23	1,512	1,068	712	357
County Totals	16	29	2,081	1,621	793	828
Montgomery						
Clay	0	1	4	4	4	0
Dolostone	2	0	308	269	0	269
Limestone	1	1	207	175	7	168
Sand and Gravel	5	6	263	203	59	144
Shale	0	1	0	3	3	0
County Totals	8	9	782	654	73	581
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
County Totals	1	0	13,417	9,260	0	9,260
Nassau						
Sand and Gravel	0	4	330	330	330	0
County Totals	0	4	330	330	330	0
Niagara						
Clay	9	11	573	434	240	195
Glacial Till	0	1	10	10	10	0
Limestone	3	0	1,051	538	49	489
Sand and Gravel	2	14	196	188	159	29
Topsoil	1	0	5	5	0	5
County Totals	15	26	1,835	1,175	458	718
Oneida						
Clay	0	4	20	30	25	5
Granite	1	0	100	100	0	100
Industrial Sand	0	4	500	20	10	10
Limestone	1	0	342	264	0	264
Sand and Gravel	62	94	3,188	1,692	700	992
Shale	0	2	6	6	6	0
Topsoil	1	1	8	8	3	5

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Oneida						
County Totals	65	105	4,164	2,120	744	1,376
Onondaga						
Clay	1	3	50	28	22	6
Glacial Till	2	15	196	203	180	23
Limestone	7	4	2,109	1,640	116	1,524
Sand and Gravel	32	27	1,600	1,034	485	549
Shale	0	4	80	18	18	0
Topsoil	4	3	194	147	98	49
County Totals	46	56	4,229	3,070	919	2,151
Ontario						
Clay	1	5	83	83	43	39
Glacial Till	1	1	202	105	9	96
Limestone	2	0	665	378	0	378
Sand and Gravel	40	38	3,193	2,285	907	1,378
Topsoil	0	1	0	8	8	0
County Totals	44	45	4,143	2,859	968	1,892
Orange						
Dolostone	1	4	155	155	50	105
Glacial Till	0	1	3	2	2	0
Limestone	0	1	0	36	6	30
Sand and Gravel	38	63	1,836	1,632	877	755
Shale	6	0	311	164	1	163
Topsoil	0	1	10	10	10	0
County Totals	45	70	2,315	1,999	945	1,054
Orleans						
Clay	0	4	64	60	60	0
Dolostone	1	0	316	195	38	157
Glacial Till	0	3	0	8	8	0
Limestone	2	0	235	176	34	142
Sand and Gravel	14	9	685	273	85	188
Sandstone	3	0	90	88	0	88
County Totals	20	16	1,389	800	224	575
Oswego						
Glacial Till	0	4	25	21	21	0
Industrial Sand	0	1	1	1	1	0
Sand and Gravel	105	92	5,210	3,192	1,272	1,920
Topsoil	4	2	159	81	23	58
County Totals	109	99	5,395	3,295	1,317	1,979
Otsego						
Bluestone	0	1	5	5	5	0
Clay	0	3	7	10	10	0
Sand and Gravel	35	25	943	772	225	547
Shale	1	1	5	1	0	1
Topsoil	1	0	5	3	0	3

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Otsego						
County Totals	37	30	965	790	240	551
Putnam						
Limestone	1	0	56	56	0	56
Sand and Gravel	3	8	52	76	59	17
County Totals	4	8	108	132	59	73
Rensselaer						
Clay	2	4	84	81	16	65
Sand and Gravel	51	49	2,251	1,659	320	1,339
Sandstone	4	0	352	180	0	180
Shale	1	1	149	140	12	128
County Totals	58	54	2,836	2,060	348	1,712
Rockland						
Dolostone	2	0	417	242	0	242
Sand and Gravel	0	1	0	0	0	0
Trap Rock	2	0	191	191	0	191
County Totals	4	1	608	433	0	433
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	78	2,661	1,573	440	1,134
Shale	1	1	12	6	1	5
Topsoil	1	7	85	84	47	38
County Totals	62	90	3,406	2,111	512	1,599
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	8	341	308	88	220
Shale	1	1	26	11	6	5
County Totals	9	10	492	350	109	241
Schoharie						
Limestone	4	0	525	377	0	377
Sand and Gravel	11	16	221	192	70	122
Shale	2	6	30	26	10	16
County Totals	17	22	776	594	80	515
Schuyler						
Clay	0	1	0	20	20	0
Glacial Till	0	1	0	2	2	0
Sand and Gravel	12	24	610	530	132	398
Shale	0	1	0	1	1	0

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Schuyler						
Topsoil	0	1	2	2	2	0
County Totals	12	28	612	555	157	398
Seneca						
Clay	0	12	1,096	1,096	386	711
Limestone	1	0	424	259	0	259
Sand and Gravel	4	3	188	147	71	76
Shale	0	1	2	2	2	0
County Totals	5	16	1,710	1,504	458	1,046
St. Lawrence						
Clay	2	10	271	250	199	51
Dolostone	4	0	622	315	11	304
Granite	1	0	4	4	0	4
Limestone	1	0	99	58	0	58
Marble	1	0	173	84	2	82
Sand and Gravel	97	159	3,004	2,143	959	1,184
Sandstone	2	0	34	9	0	9
Talc	2	0	194	194	41	153
Topsoil	3	23	674	615	334	281
Zinc	1	4	1,684	549	117	432
County Totals	114	196	6,759	4,221	1,663	2,558
Statewide						
Industrial Sand	0	1	90	90	90	0
Sand and Gravel	0	3	0	7	7	0
County Totals	0	4	90	97	97	0
Steuben						
Clay	0	1	0	25	25	0
Glacial Till	0	6	11	55	55	0
Sand and Gravel	83	69	3,066	2,559	515	2,044
Sandstone	1	0	64	64	0	64
Topsoil	1	2	17	14	13	1
County Totals	85	78	3,159	2,717	608	2,109
Suffolk						
Sand and Gravel	37	45	1,768	1,776	616	1,160
County Totals	37	45	1,768	1,776	616	1,160
Sullivan						
Clay	1	0	5	5	0	5
Sand and Gravel	23	47	1,168	844	377	468
Sandstone	3	1	804	591	2	589
Shale	2	1	12	8	3	5
County Totals	29	49	1,989	1,448	381	1,067
Tioga						
Glacial Till	0	2	3	5	5	0
Sand and Gravel	36	36	1,961	1,589	611	978

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Tioga						
Topsoil	1	1	31	23	18	5
County Totals	37	39	1,995	1,617	634	984
Tompkins						
Bluestone	2	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	27	581	401	164	237
Topsoil	0	2	2	5	5	0
County Totals	15	33	752	564	287	277
Ulster						
Bluestone	4	0	65	40	0	40
Clay	3	3	53	53	36	17
Dolostone	1	0	397	11	0	11
Glacial Till	0	1	0	9	9	0
Limestone	3	0	414	241	0	241
Sand and Gravel	27	51	1,135	818	434	384
Sandstone	1	1	15	15	4	11
Shale	13	23	283	219	94	125
Topsoil	0	1	0	10	10	0
County Totals	52	80	2,361	1,416	587	829
Warren						
Garnet	1	1	180	162	55	107
Limestone	1	0	21	21	0	21
Sand and Gravel	34	32	1,056	702	125	577
County Totals	36	33	1,257	885	180	705
Washington						
Clay	1	2	52	52	47	5
Dolostone	1	0	197	64	0	64
Glacial Till	0	1	0	1	1	0
Granite	9	0	193	94	0	94
Limestone	3	0	233	153	0	153
Sand and Gravel	42	60	1,537	1,015	415	599
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	61	67	2,341	1,447	494	953
Wayne						
Clay	0	1	28	28	28	0
Dolostone	1	0	167	162	0	162
Glacial Till	0	5	25	25	25	0
Limestone	1	0	72	55	0	55
Sand and Gravel	42	87	2,609	1,901	808	1,092
Topsoil	0	2	2	2	1	1

Mine Commodities 2006

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Wayne						
County Totals	44	95	2,902	2,173	862	1,311
Westchester						
Emery	0	3	20	20	20	0
Glacial Till	0	1	8	8	8	0
Sand and Gravel	0	7	22	32	32	0
Shale	1	0	4	4	0	4
County Totals	1	11	54	64	60	4
Wyoming						
Clay	0	1	8	8	8	0
Sand and Gravel	27	30	934	504	273	231
Topsoil	0	1	15	15	15	0
County Totals	27	32	957	527	296	231
Yates						
Clay	0	1	18	18	18	0
Glacial Till	0	2	0	2	2	0
Salt	0	1	0	50	50	0
Sand and Gravel	13	8	363	265	102	163
County Total	13	12	381	335	172	163