

**New York State
Oil, Gas
and
Mineral Resources
2007**

**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

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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 103,363 miles and performed 2,481 oil and gas inspections.

Permits and Completions

Gas:	Permits	386	Completions	271
Oil:	Permits	142	Completions	198
Other:	Permits	49	Completions	65
Total:	Permits	577	Completions	534

Wells Reported (All Types) 2007 - 13,913

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

Production & Market Value

Gas	54,916 bcf	Value Up	25%
Oil	386,887 bbl	Value Up	53%
Total O&G Mkt Value	\$516 million		

State Leasing - 106 leases were in effect covering 83,021 acres, 221 producing wells.

Revenues from Oil and Gas

State Revenues	\$11.8 million
Local Govt. Taxes (est.)	\$15.5 million
Landowner Royalties (est.)	\$64.6 million

Underground Natural Gas Storage - 24 facilities were 81% full at year-end.

Total Storage Capacity	223 bcf
Working Gas Capacity	112 bcf
Max. Daily Deliverability	2.127 bcf/day

Solution Mining - 5 facilities produced 1.97 billion gallons of brine equal to 2.29 million metric tons of salt.

Financial Security - In 2007 New York held \$23.1 million to guarantee well plugging and site reclamation.

Mined Land Reclamation

Inspections - Staff traveled 172,719 miles to perform 2,507 mine inspections.

Permits Issued

Total Permits	372	Fees Annual
New Permits	46	Regulatory
Renewal & Mod.	326	\$2.9 Million

Active Mines 2,203

Estimated Market Value \$1.3 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	1,810
Limestone	85
Bluestone	85

Owner Type

Industry	1,742
County	49
Town	396

Net Affected Acreage 48,551

Life-of-Mine Acreage 115,618

Reclaimed Acreage, 2006 1,073

Reclaimed Since 1975 26,688

Financial Security - In 2007 New York required \$139.1 million to guarantee mine site reclamation.

Division of Mineral Resources Program Highlights

New York State gas production in 2007 was 54.916 billion cubic feet (bcf), just a little lower than the previous year's record total of 55.342 bcf. Trenton-Black River production declined slightly, but accounted for 75% (41.29 bcf) of 2007 production. Oil production jumped 21% to 386,887 barrels in 2007 and the State's oil reserves more than doubled from 2005.

The number of wells completed rose 18% overall from 2006; gas wells led the way with a 42% increase. Five new Trenton-Black River gas fields started production in 2007: John Hill, Forest Hill and Beans Station in Steuben County, and Brickhouse and Steege Hill in Chemung County.

In 2007 drilling permits were at levels similar to 1984, a period of high activity. Total drilled depth of the wells for the year was over 1.44 million feet (more than the distance from Schenectady to Buffalo). Drilling rig availability continued to be a significant concern for New York's oil and gas operators.

By year-end 2007 a total of 19 deep wells had been drilled on or adjacent to State land. In 2007 New York collected \$2.5 million in royalties from the wells draining State land and \$11.8 million in total leasing revenues. Steuben County had the most State acreage under lease.

In 2007 the Division of Mineral Resources conducted 38 compulsory integration hearings and finalized 29 orders. The 9 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 rig penalties, and pipeline costs.

The Division received a total of 19 Marcellus permit applications (18 vertical, 1 directional) in 2007. Eight vertical Marcellus wells were spud in 2007 in Broome, Chemung, Schuyler and Steuben counties. The 2007 activity brought the State's total number of Marcellus producing wells to 11.

In 2007 there were 2,203 active DEC-regulated mines in New York State, a drop of 12 mines from 2006 and the ninth straight year of decline. 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 46 of the 372 mining permits issued in 2007 were for new facilities.

Nevertheless, production of the State's major mined commodities remains relatively level from year to year. The U.S. Geological Survey estimates the annual value of New York's mineral production at roughly \$1.3 billion. Mining is spread fairly evenly across the State due to the need to reduce the cost of transporting heavy materials. Sand and gravel mines account for over 80% of DEC-regulated mines and 36 of the new permits issued in 2007, or 78%, were for sand and gravel.

One (1) new bluestone mine was permitted and 10 Exploration Authorizations were issued to mine operators allowing them to evaluate potential bluestone sites for a limited period of time (one year with possible one-year renewal).

A total of 48,551 acres were affected by mining in 2007 out of a total life-of-mine approved acreage of 115,618 acres. The Division continued to have success promoting concurrent reclamation with 405 acres reclaimed at 41 operating mines. Final reclamation of 669 acres occurred at 67 closed mines bringing the 2007 total to 1,073 acres. Roughly 25,688 acres of land affected by mining have been reclaimed since 1975.

In 2007 the Division held over \$139.1 million in financial security to guarantee mine reclamation. The increase of \$17 million from the previous year was due, in part, to a new method for calculating financial security introduced in 2006. The improved method brings financial security requirements more in line with modern-day reclamation costs.

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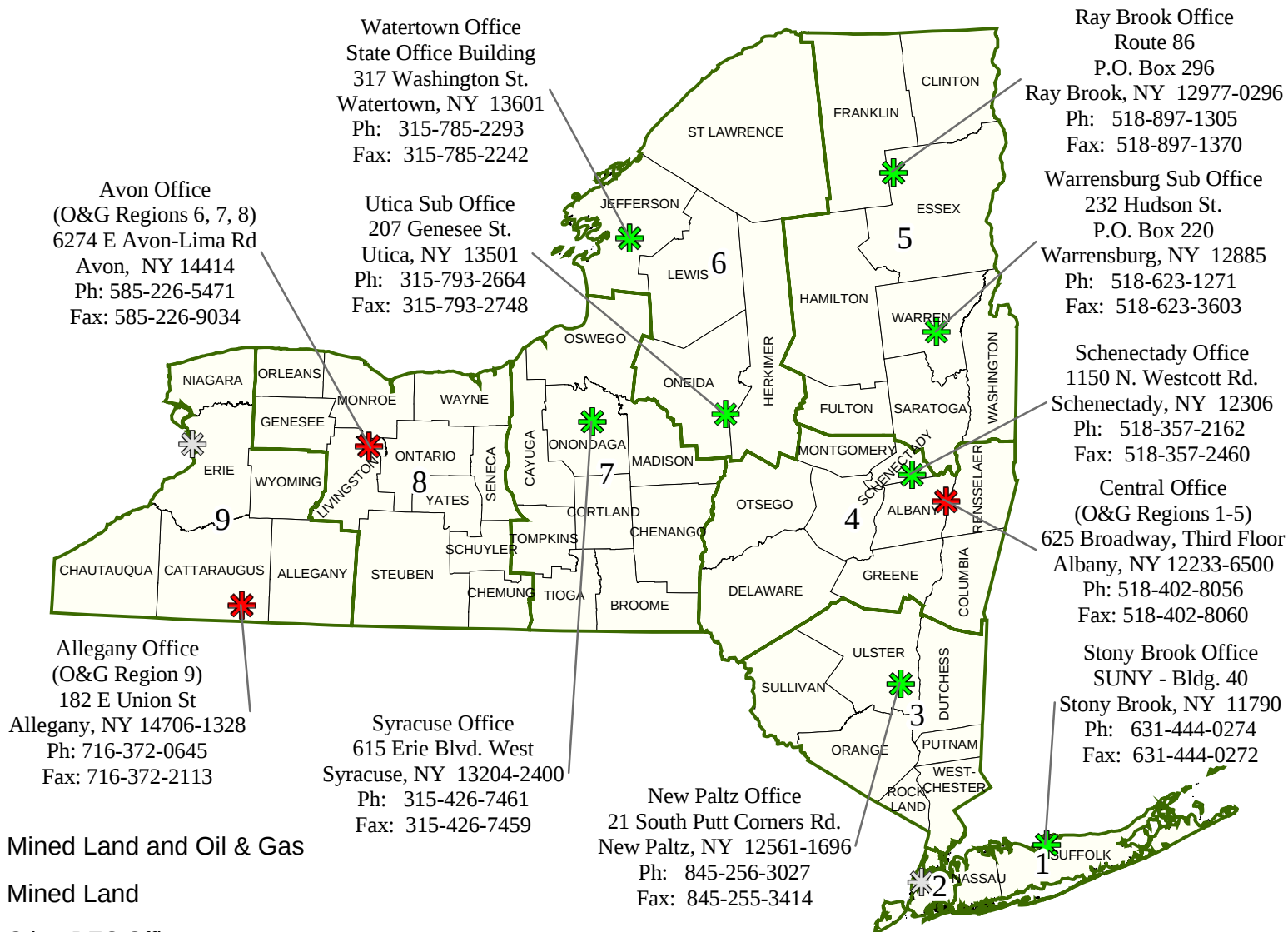
Details on the economic rank for major mine products and location of the largest mines

Appendices

Appendix 1 - Oil and Gas Data

Appendix 2 - Mined Land Data

Map 1 - Division of Mineral Resources Regional Service Areas



2007 New York Oil & Gas Industry At a Glance

Production and Market Value

Gas	54.916 bcf	Value Up 25%
Oil	386,887 bbl	Value Up 53%
Total Market Value	\$516 Million	

All Reported Wells 13,913

Active Wells

Natural Gas	6,683
Oil	3,559
Gas Storage	945
Solution Salt	123

Revenues In Millions

State Leasing	\$11.8 Million
Local Govt. (est.)	\$15.5 Million
Landowner Royalties (est.)	\$64.6 Million

Underground Gas Storage

24 facilities, 81% full at year-end
Total Storage Capacity 223 bcf
Working Gas Capacity 112 bcf
Max. Deliverability 2.127 bcf/day

Financial Security

Plugging & Reclamation
\$23,135,553

Solution Mining

5 facilities produced 1.97 billion gallons of brine (2.29 million metric tons salt)

State Leasing

106 leases covered 83,021 acres
and 221 productive wells

Natural Gas & Oil Abbreviations



Abbreviations for natural gas volume measurements:

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

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



bbl barrel

What's an MCF Do ?

Roughly 4.2 million households in New York use natural gas for home heat, cooking and heating water. It takes just 69 mcf* per year to heat the average New York home. The State's 2007 production of 54.9 bcf was enough to heat 795,886 homes.



* 2005 NYS Energy Fast Facts, NYSDORA

Market Value and Economic Benefits

Market Value

New York's estimated total market value for oil and gas increased 25% to \$516.4 million in 2007. Breaking down the figures in more detail, the value of natural gas increased from \$394.6 million in 2006 to \$486.0 million in 2007. New York produces much less oil than gas, but oil's market value rose 53%, from \$19.9 million in 2006 to \$30.4 million in 2007.

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 2007 production totaled roughly \$15.5 million, a 25% increase from the previous year.

To dampen the impact of fluctuating oil and gas prices, local governments assess their taxes on a unit of production value determined by the NY State Division of Equalization and Assessment using a five-year average.

State Lease Oil and Gas Prices

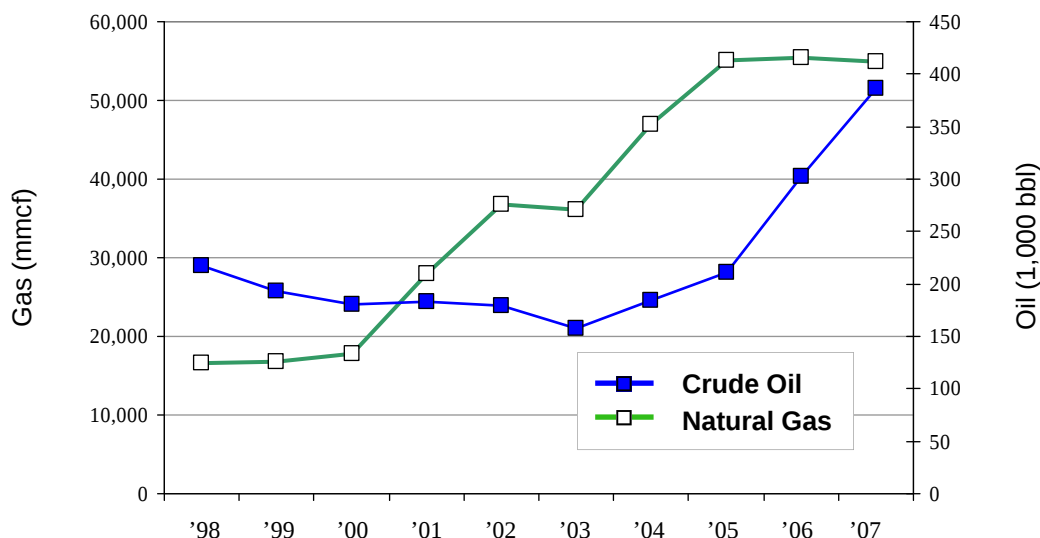
The average wellhead natural gas price of \$8.85 per mcf in 2007 was up 24% from \$7.13 in 2006. The average 2007 oil price of \$78.59 per bbl was up 26% from \$62.38 in 2006. These average prices were obtained from royalty payments made to New York for leases on State lands.

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 \$64.6 million in royalties in 2007.

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 provide enough gas to help reduce or eliminate the landowner's home heating costs.

Chart 1 - New York State Oil and Gas Production, 1998 - 2007



Production of Oil and Gas

Natural Gas Production

New York's reported natural gas production for 2007 was 54.916 bcf, down just slightly from 55.342 bcf in 2006. Roughly 41.29 bcf of gas came from just 92 producing Trenton-Black River wells, with one well alone producing 3.97 bcf. Production from other formations rose 8.7% as a group, with notable increases from the Marcellus (229%) and Herkimer-Oneida-Oswego (64%).

Oil Production

In 2007 New York's oil production rose 21% to 386,887 barrels, the highest since 1992. From 2005 to 2007 oil reserves more than doubled.

Top Producers

In 2007 Chemung County continued as the top gas-producing county. Chemung and Steuben counties accounted for 72% of New York's 2007 production. Chautauqua County continued in third place (see Table 1).

In 2007 the top gas producer was Fortuna Energy Inc. at 39.19 bcf of gas and the top oil producer was East Resources at 185,430 bbl of oil. Tables 2 and 3 on page 12 show the top 10 oil and gas producers. Tables 5 and 6 on page 16 show the top 10 Trenton-Black River wells and fields.

Table 1 - Top 10 Gas Counties, 2007

County	Gas (mcf)	Active Gas Wells	Average mcf/Well
Chemung	20,947,565	38	551,252
Steuben	18,577,681	61	304,552
Chautauqua	6,564,517	3,354	1,957
Schuyler	1,841,202	16	115,075
Cattaraugus	1,640,581	581	2,824
Erie	1,590,478	1,072	1,484
Seneca	846,066	181	4,674
Genesee	713,697	526	1,357
Cayuga	756,066	304	2,487
Wyoming	397,873	282	1,411

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/1601.html.

Chart 2 - Producing Formation for NY Natural Gas, 2003 - 2007

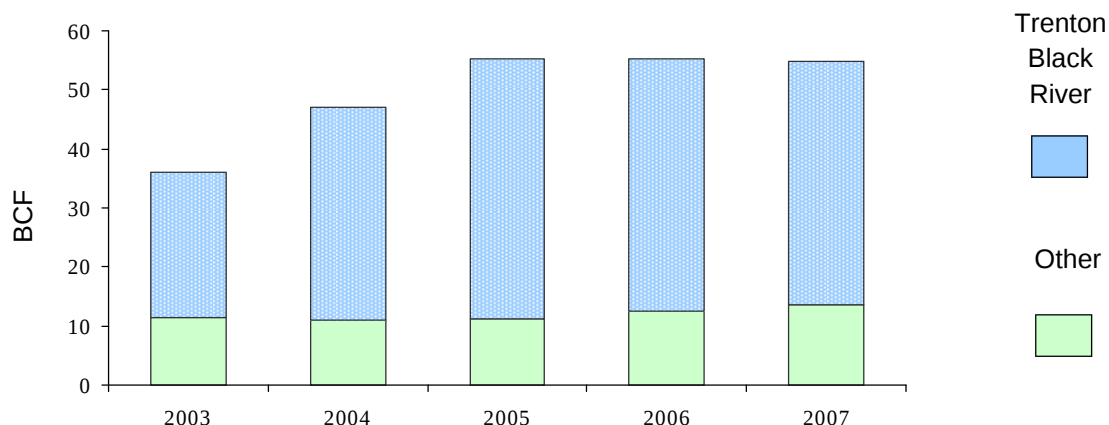


Table 2 - Top 10 Gas Producing Companies, 2007

Company	2007 Mcf Gas	2006 Rank	2007 Change
1. Fortuna Energy Inc.	39,193,003	1	-2%
2. Chesapeake Appalachia, LLC	3,422,056	2	-15%
3. Great Lakes Energy Partners	2,527,981	3	-4%
4. Nornew, Inc.	1,938,389	4	+33%
5. US Energy Development Corp.	961,835	8	+105%
6. United States Gypsum Co.	563,857	7	+9%
7. Seneca Resources Corp.	474,833	6	-10%
8. Ardent Resources, Inc.	454,882	5	-23%
9. Universal Resources Holdings, Inc.	445,222	>10	-2%
10. Kastle Resources Enterprises, Inc.	425,862	10	+3%

Table 3 - Top 10 Oil Producing Companies, 2007

Company	2007 Barrels	2006 Rank	2007 Change
1. East Resources, Inc.	185,430	1	+32%
2. McCracken, Carl A. III	24,637	3	+7%
3. Case Brothers, Inc.	14,774	4	+9%
4. Nathan Petroleum, Corp.	12,961	>10*	N/A
5. Otis Eastern Service, Inc.	11,627	6	+53%
6. Dallas Energy, LLC	9,534	new company	N/A
7. Plants & Goodwin, Inc.	8,256	7	+31%
8. Johnson, Mark & Troy	7,505	8	+31%
9. Bouquin, Fred C. & Fred L.	7,487	5	-21%
10. Copper Ridge Oil, Inc.	7,465	10	+49%

* Transfer from Richardson Petroleum

Map 2 - New York State Gas Production by Town, 2007

Gas 2007 (mcf)

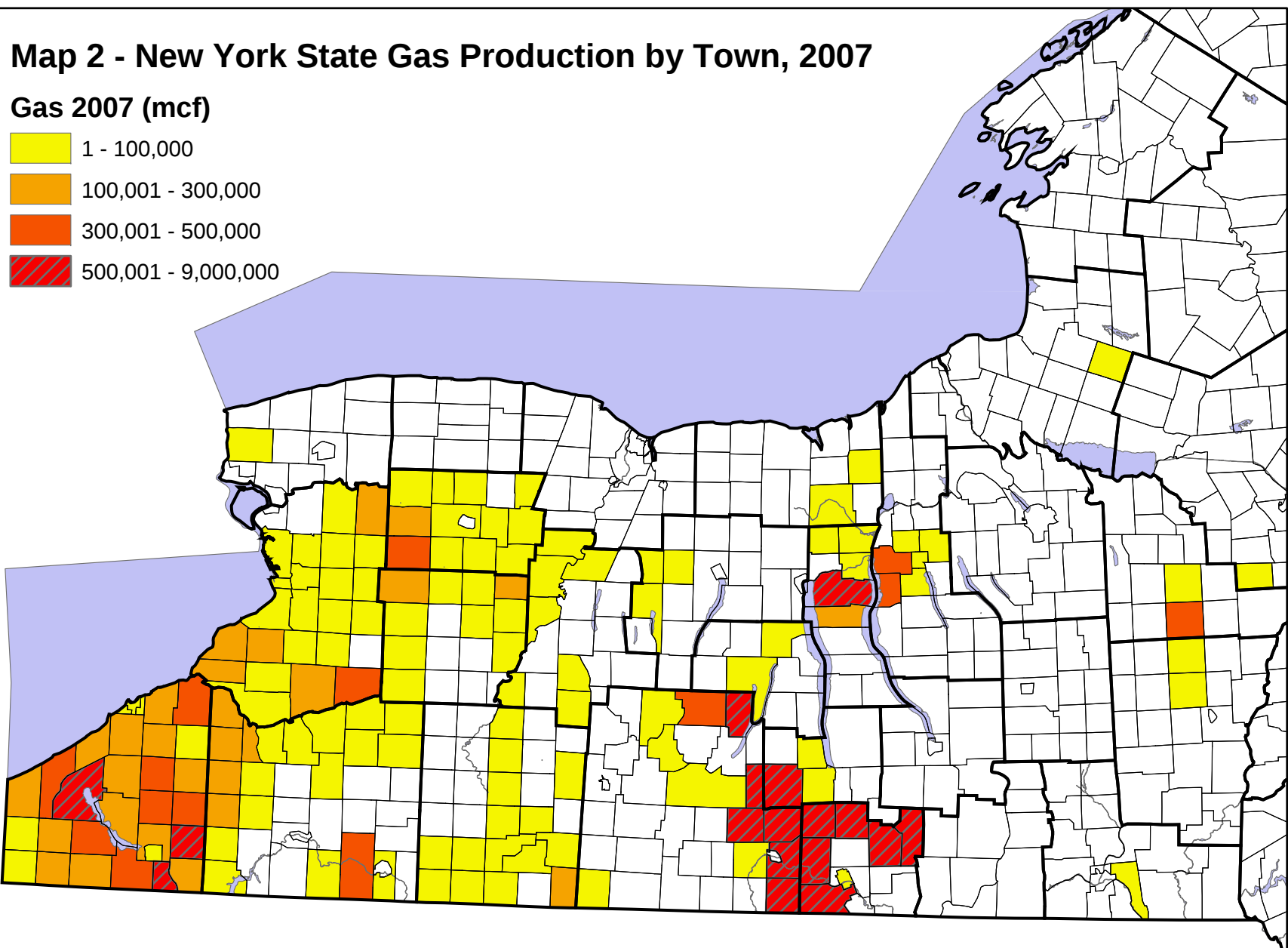
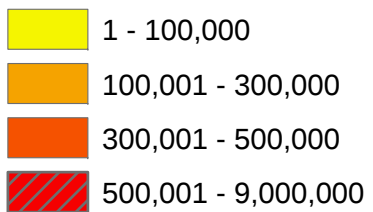


Table 4 - Production by Geologic Formation, 2007

Formation	Wells	Gas (mcf)	Oil (bbl)
Devonian Shale	30	21,621	0
Undifferentiated Canadaway Group	4,290	383,435	296,134
Perrysburg	957	270,621	62,601
Tully	10	16,881	0
Hamilton	3	0	0
Marcellus	19	28,200	0
Onondaga	78	72,962	2,778
Oriskany	40	197,209	0
Helderberg	2	0	0
Akron	24	12,866	0
Herkimer-Oneida- Oswego	52	397,078	0
Medina	6,324	9,853,361	915
Bass Island	81	96,993	10,918
Queenston	561	1,648,131	0
Trenton	14	81,133	0
Black River	127	41,290,040	0
Little Falls	1	6,893	0
Theresa	19	456,741	0
Other	363	81,964	108

* 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>**

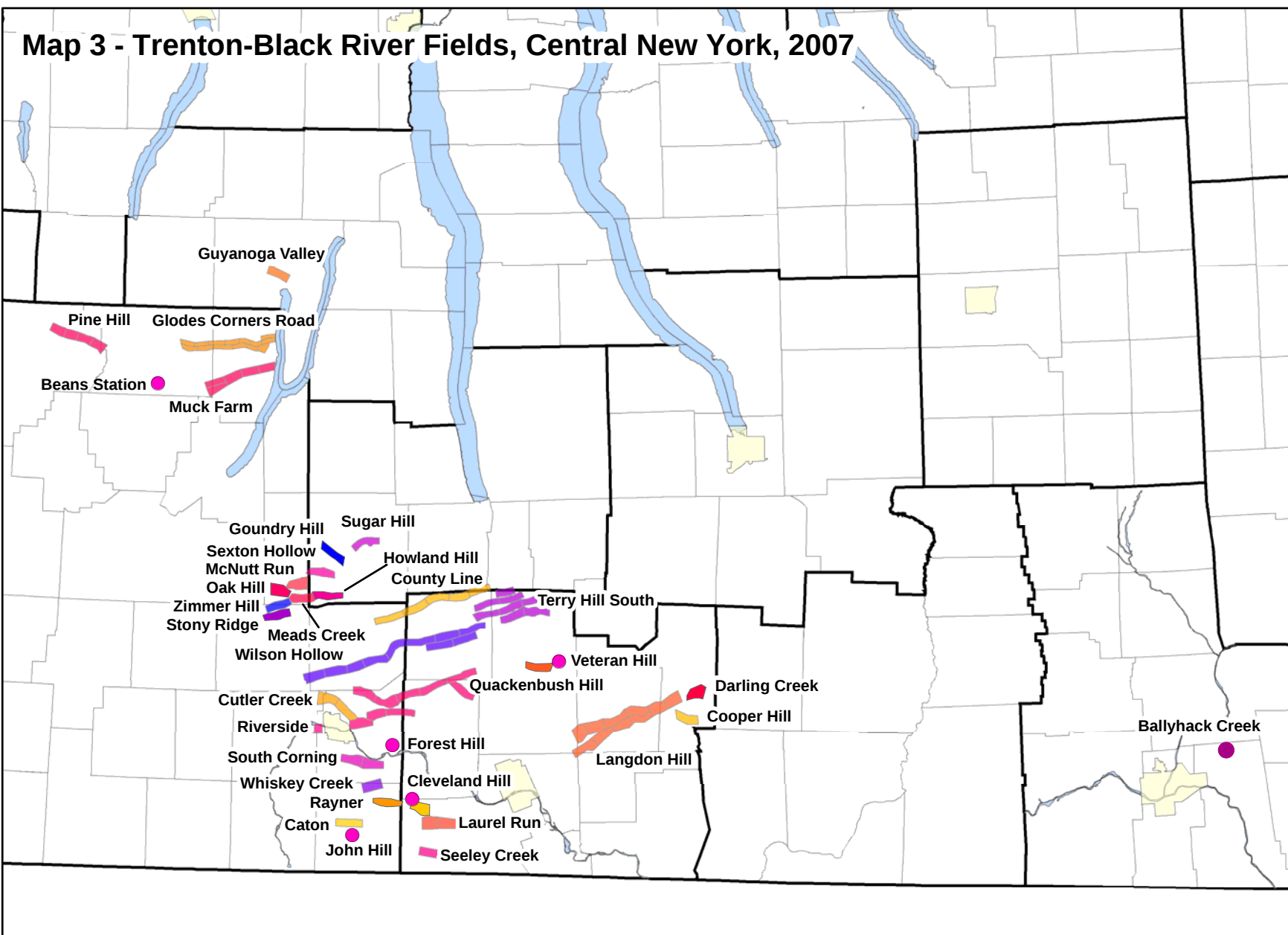


Table 5 - Top 10 Wells, Trenton-Black River Production, 2007

Well Name	API Identification Number	2007 Production (bcf)	County/ Field
Stoscheck 1	31015238140000	3,973,466	Chemung/ Darling Creek
Hulett 1	31015238270000	3,009,710	Chemung/ Brick House
Hartman, BJ 1	31101232270000	2,585,740	Steuben/ Rayner
Lovell 1323	31015228310000	1,893,799	Chemung/ Quakenbush Hill
Michaloski 1	31101239210000	1,845,421	Steuben/ Caton
Gross D1	31101239020000	1,473,106	Steuben/ Quackenbush Hill
Gillis 1	31101231100000	1,392,274	Steuben/ Rayner
Schwingel 2	31015238200000	1,249,136	Chemung/ Quakenbush Hill
MacNaughton 1	31101239510000	1,214,153	Steuben/ John Hill
Henkel 1359-A	31101228710100	1,161,960	Steuben/ Quakenbush Hill

Table 6 - Top 10 Fields, Trenton-Black River Production, 2007

Field Name	2007 Production (bcf)	2006 Production (bcf)	Cumulative Production Year-End 2007	First Year of Production
Quackenbush Hill	9,555,996	13,583,105	87,928,175	2000
Rayner	3,978,014	3,999,267	9,717,276	2005
Darling Creek	3,973,466	3,939,874	7,913,340	2006
Wilson Hollow	3,291,519	3,573,885	42,051,650	1999
Langdon Hill	1,437,763	2,665,612	8,942,170	2001
Veteran Hill	762,610	2,109,663	2,872,273	2006
Howland Hill	430,770	1,399,236	1,830,006	2006
Whiskey Creek	952,809	1,281,411	4,808,492	2003
Cleveland Hill	977,966	1,253,032	2,359,634	2005
Seeley Creek	860,920	900,613	5,466,066	2004

Drilling Permits and Well Completions

Drilling Permits

DEC issued 577 drilling permits in 2007, a 7% decrease from the previous year. DEC issued 386 natural gas, 142 oil, 14 brine, 31 geothermal, and 4 underground gas storage permits. While a small part of the total, the 31 geothermal permits represent the second highest total for that category.

In 2007 DEC issued permits for wells in 22 counties; the top 3 were Chautauqua County (130), Cattaraugus County (125) and Erie County (79). Most of the oil drilling permits were issued for Cattaraugus (69) and Allegany (45) counties. Chautauqua (127) and Erie (78) counties had the highest number of gas permits.

Wildcats and Extensions

Operators drilled 60 gas wildcat wells, 0 oil wildcat wells, and 13 gas extension wells in 2007.

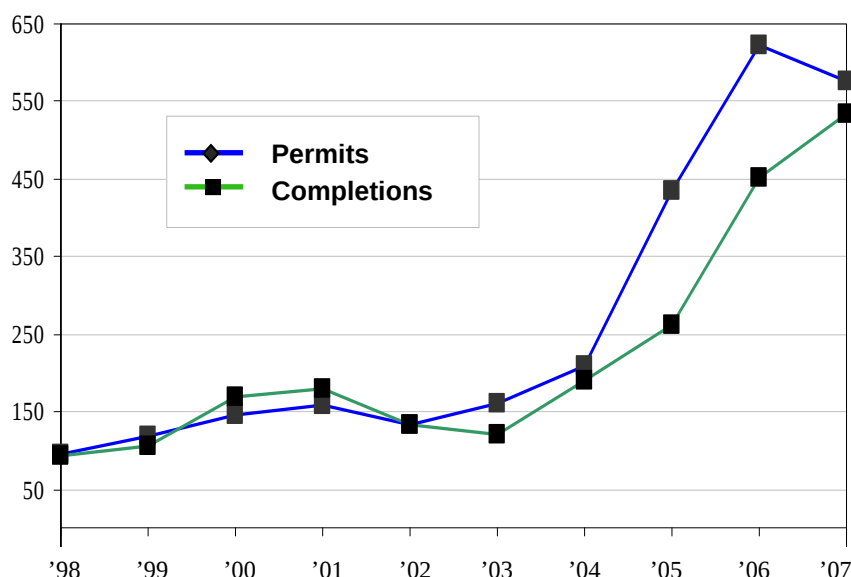
Well Spuds and Completions

The number of wells spud (started) in 2007 was 517. While the number of permits issued in 2007 was down 8% from the previous year, the number of completions rose 18%. Gas wells led the way with a 42% increase in completions over 2006.

Formations Permitted

Industry interest in the Black River and Trenton formations remained strong, with 49 permits issued in 2007. Other primary gas targets included the Medina and Queenston for a total of 292 permits. The Division issued 136 permits for the State's main oil-producing formations (Perrysburg and Undifferentiated Canadaway Group). Fifteen permits for vertical Marcellus Shale wells were issued in 2007 and just 8 vertical Marcellus wells were drilled in Broome, Chenango, Schuyler and Steuben counties.

Chart 3 - Drilling Permits and Completions, 1998 - 2007



Drilling Permits, 2007

Gas	386
Oil	142
Other	49
Total	577

Well Completions, 2007

Gas	271
Oil	198
Other	65
Total	534

Compliance and Enforcement

Inspections

In 2007 Oil and Gas staff traveled 103,363 miles to perform 2,481 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 meet 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 2007 the Oil and Gas Program assessed \$19,000 in fines and penalties from 10 administrative cases and collected \$75,000 in environmental benefit project funds. Another \$6,719 was received as a settlement from a case referred to the Attorney General's Office.

Permit Fees

Total oil and gas permit fees collected by the Division equaled \$781,490 in 2007, of which \$65,500 was deposited in the Oil and Gas Account.



DEC Oil and Gas staff perform over 2,000 inspections per year to make sure wells are in compliance. Here the inspector is checking the condition of a newly completed well. The wellhead was in good condition and grass had started to grow on the recently reclaimed well site.

State Land Leasing

At the end of 2007 the Division managed 106 leases covering roughly 83,021 acres of State land, an increase from the previous year's 63,558 acres.

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

At year-end 2007 the State was earning royalties from 108 productive oil and gas wells physically located on State lands and another 113 producing wells on adjacent and/or unitized lands. These wells are associated with 61 State leases.

New York collected royalties from these 221 wells which produced 23.7 bcf of natural gas and 1,372 bbl of oil. The average prices paid were \$8.85 per mcf for gas and \$78.59 per barrel of oil.

In 2007 the State received total leasing revenues of \$11.8 million:

- **Delay Rentals** - Operators submitted a total of \$166,868 in delay rentals, up 122% from 2006, due to increased delay rentals from the 2006 lease sale.

- **Royalties** - The State received \$2,472,424 in royalty revenue from oil and gas production on 61 leases in nine counties (32,452 acres).
- **Storage Leases** - Fourteen storage leases added \$133,298, up 6.6% from 2006. The majority of New York's storage lease acreage is in Cattaraugus County.
- **Bonus Bids** - The Division held a major oil and gas lease sale on August 23, 2006, for 19,277 acres of State land and received high bonus bids totaling \$8,995,223. The contracts, which were finalized in 2007, count as 2007 revenue.
- **Lease Sale Revenue** - The State received \$10,720 from four non-competitive leases of New York State Department of Transportation acreage in preexisting production units and an amendment to a contract.

DEC Managed Oil and Gas Leases

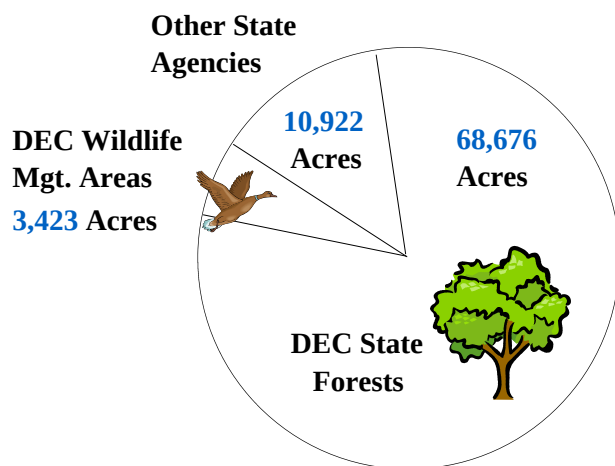


Table 7 - Total Leasing Revenues, 2003 - 2007

2003	\$5,326,927
2004	\$765,782
2005	\$3,439,670
2006	\$3,296,932
2007	\$11,767,813

For more information, see the 2007 Oil & Gas Leasing Report at

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

Plugging Permits and Bonds

2007 Plugged Wells and Bonds

At the end of production the well must be plugged with cement at the proper intervals, the equipment must be removed, and all disturbed land, including the access road, must be reclaimed. In 2007 operators plugged 192 wells in accordance with requirements set by DEC in a plugging permit. At year-end DEC held \$23.1 million in financial security to guarantee well plugging and well site reclamation.

A total of 192 wells were plugged in 2007. Much of the plugging activity was in the old oilfields of western New York. Almost 62% were oil wells, 22% gas wells, and the remaining 16% a mix of other regulated well types.

Plugging occurred in 15 counties, however, almost 50% of the plugging jobs were in Cattaraugus County and another 9% were in Allegany County. The vast majority involved old oil wells, particularly in the Bradford Field. Most of this plugging activity was aimed at bringing wells into compliance that were no longer producing. However, some of it was associated with redevelopment activity spurred by higher oil prices.

Financial Security, 2007

\$23.1 Million

**Table 8
Plugged Wells, 2007**

Oil	119
Gas	42
Other	31
Total	192

The amount of Financial Security that the Division has on-hand to guarantee well plugging typically increases between \$100,000 and \$1.2 million per year. However, it rose 55% from \$14.9 million in 2006 to \$23.1 million in 2007. This was due largely to a significant increase in bonding requirements for deeper wells.

Abandoned and Orphaned Wells

2007 Status Report

Abandoned, unreported and inactive wells continue to be a problem despite high oil and gas prices. In 2007 a total of 221 operators reported 2,460 wells with zero production. Another 822 unreported wells are considered abandoned. This is in addition to over 4,500 orphan wells in the Department's records.

Enforcement actions have reduced the number of unreported wells, but their numbers remain significant.

Old Historic Well Problems

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 the woods, along roadsides, and in residential yards, playgrounds and parking lots. They've even been discovered inside buildings, and underwater in wetlands, streams and ponds.

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 of these old wells were never properly plugged or were plugged using older techniques that weren't as reliable and long-lasting as modern methods.

Every year while conducting scheduled inspections or investigating complaints, DEC staff discover more abandoned wells. Extensive courthouse research is often required to identify the well's previous owners. Many of these cases take several years to resolve as DEC pursues legal action against the responsible parties.

Oil & Gas Account

New York has an Oil and Gas Account that was created to plug problem abandoned wells. It is funded by a \$100 per well permit fee; at the end of 2007 the balance was \$441,963. DEC has over 600 wells on its priority plugging list, in addition to the 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.

DEC-Coordinated Plugging Efforts

In 2007 Division staff, the U.S. Environmental Protection Agency (EPA) and the U.S. Coast Guard completed a multi-year, multi-million dollar project using federal Oil Pollution Act funds to plug a total of 86 abandoned oil wells in the Town of Bolivar, Allegany County. The abandoned and leaking oil wells on this lease had been the subject of DEC enforcement actions for decades and staff efforts were directly responsible for EPA's agreement to plug the problem wells.

In 2007 Division staff also worked on Oil and Gas Account contracts required to undertake two more major plugging projects involving abandoned oil wells. One was a \$190,000 contract to plug 45 wells on the Thorton-Bradley and Warfield leases in the Town of Alma, Allegany County, and the other was a \$150,000 contract to plug 25 wells on the Knox Lease in

Why Do We Keep Finding "New" Abandoned Wells

Most abandoned wells were drilled many decades ago so:

- they were not registered with the State and there are often no maps available.
- surface equipment may be gone that would make them easier to spot.
- they may be hidden by thick underbrush, standing water, or other subsequent uses of the land.

Cattaraugus County. Wells on the Knox Lease were causing water supply contamination problems and the Thorton-Bradley/Warfield wells were in an advanced state of disrepair and posed a threat to the environment.

Division staff were also involved in plugging 3 old abandoned gas wells at Deer Creek Park Wildlife Management Area, in Oswego County and plugging a leaking gas well in the front yard of a residence in the Village of Fredonia, Chautauqua County. In addition, staff discovered many other old abandoned wells over the course of the year, researched the identity of the responsible parties, and required them to plug the wells.

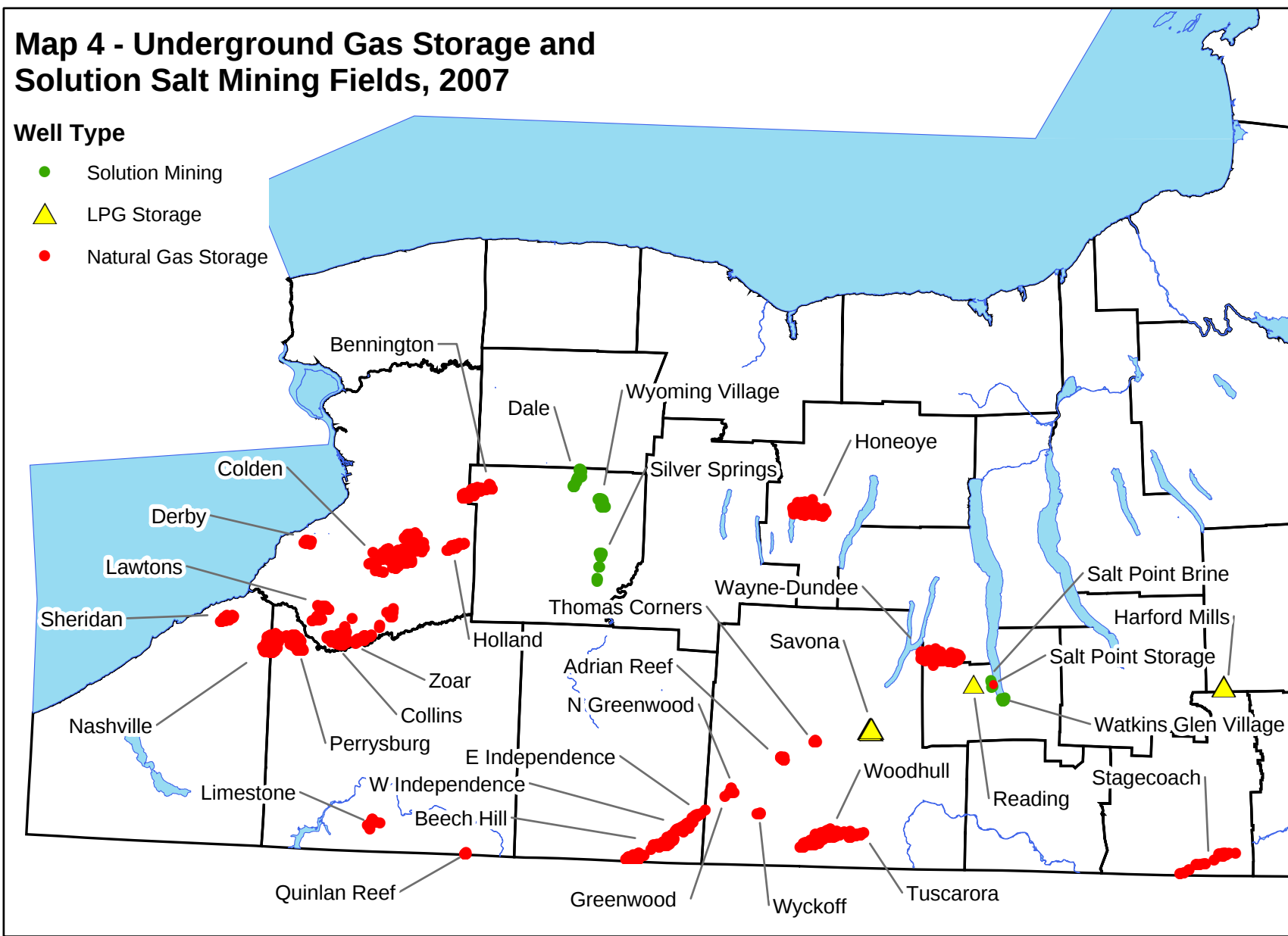


Abandoned wells, like this one (photo center) are sometimes very hard to find.

Map 4 - Underground Gas Storage and Solution Salt Mining Fields, 2007

Well Type

- Solution Mining
- ▲ LPG Storage
- Natural Gas Storage



Underground Gas Storage

In 2007 there were 24 natural gas and 3 liquefied petroleum gas underground storage facilities operating in 10 counties in the western and central parts of New York State.

Natural Gas Storage

At year-end 2007 the combined total capacity of all the underground natural gas storage fields in New York State was 223.3 bcf and the maximum deliverability per day was 2.13 bcf. Working gas capacity was 112.2 bcf. Operators reported that these storage fields were 81% full at the end of the year, with 181.0 bcf in storage.

Seven different companies operate the 24 underground natural gas storage fields in New York State, with over half owned by National Fuel Gas Supply. Twenty-three of the facilities use depleted natural gas reservoirs in the Onondaga, Oriskany and Medina formations and the remaining one (1) uses a solution-mined cavern in the Syracuse salt formation. These formations range in depth from several thousand feet to five thousand feet below the earth's surface.

In 2007 Division staff approved two permit transfers for Thomas Corners storage field in Steuben County. The facility was originally permitted by the Department in 1996, but was never placed in service. The transfers were from Steuben Gas Storage Company to Arlington Storage Corporation and then on to the current owner, Arlington Storage Company, LLC. The Thomas Corners storage field is projected to be in service in 2008 or 2009, after additional state and federal review.

Liquefied Petroleum Gas Storage

New York's 3 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) as the owner of the facility in Steuben County and TE Products Pipeline Company, LLC (TEPPCO) as the owner of the facilities in Cortland and Schuyler counties.

TEPPCO purchased the facility formerly owned by New York LP Gas Storage, Inc. (NYLPG) in Cortland County, and Division staff approved the transfer of the facility's underground storage permit in February 2007. At year-end 2007 total LPG capacity of the 3 facilities was 149.95 million gallons, while product in storage was 40.17 million gallons.

LPG is stored in underground 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 2 facilities. The Salina Group salt formations are the same rock units used by New York's 5 solution mining facilities.

In 2005 the Department and Bath Petroleum Storage, Inc. (BPSI) executed an Order on Consent regarding the LPG facility in Steuben County. As the current owner, Inergy assumed responsibility for BPSI's legal obligations, including the requirement to fund an Environmental Benefit Project to plug orphaned wells. By the end of 2007 Inergy had paid \$175,000 into a dedicated account, with the remainder of the \$275,000 due by July 2008.

Permit Applications

In 2007 Division staff were engaged in reviewing four permit applications submitted during previous years. The applications included three from National Fuel Gas Supply Corp. (NFGSC) and one from Inergy (originally submitted by BPSI).

In addition to conducting its own review of the underground natural gas storage projects, the Department routinely participates as a cooperating agency in the Federal Energy Regulatory Commission's (FERC) permitting process. Division staff provide input to FERC for Environmental Assessments and accompany FERC reviewers on site visits. However, FERC's jurisdiction is limited to interstate natural gas facilities, so FERC was not involved in the above-mentioned permits for Inergy's LPG 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 1.97 billion gallons of brine in 2007, a decrease of 6 % from 2006. These solution mining facilities are located in Wyoming County (3) and Schuyler County (2).

In 2007 solution mining operators submitted 13 drilling permit applications, compared to 11 applications in 2006. Nine solution mining wells were plugged in 2007.

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

At year-end 2007 the State had 72 geothermal wells that required drilling permits from the Division of Mineral Resources because they were 500 feet or more in depth. While a few deep geothermal wells can be found scattered around the Capital District, central New York and the Adirondacks, the majority are in the New York City area. In 2007 the Division received 13 geothermal well drilling applications and issued 31 permits, all for the New York City and Westchester County area.

Also in 2007 the Division and the New York City Department of Environmental Protection (NYCDEP) agreed upon new more detailed permit application review procedures for wells in the

vicinity of New York City's water tunnels. The new procedures provide a road map for staff from both agencies to efficiently and effectively screen proposed drilling locations to ensure the integrity of New York City's water supply infrastructure.

Stratigraphic

The Division did not receive any drilling applications or issue any permits for stratigraphic wells in 2007. Unlike many other wells regulated by the Division, stratigraphic wells tend to have a short lifespan. Once the rock cores and other geologic data has been collected, the well has served its purpose and is usually plugged soon thereafter; 22 stratigraphic wells were plugged in 2007. Most of them were wells drilled by NYCDEP in association with their water tunnel improvement projects.

Uses for Geothermal Wells

Geothermal/ geo-exchange wells regulated by DEC (500 feet or deeper) have been drilled to heat and cool a wide range of buildings:

- Residential and Commercial Projects
- Education Center
- Fashion Design Studio
- Historic Buildings
- Library
- Lion House at the Bronx Zoo
- Museum/ Research Facility
- Religious Retreat

Carbon Capture and Storage

The Division of Mineral Resources did not receive any applications for carbon capture and storage or geologic sequestration projects in 2007. In fact no such projects currently exist in New York State. However, there is much industry, government and public interest in this concept as one possible means to reduce global warming from CO₂ generation and release.

Regional Partnership

The diversity of carbon dioxide (CO₂) sources and storage options throughout the country demands region-specific strategies. The U.S. Department of Energy has created a network of seven Regional Carbon Sequestration Partnerships to help develop the infrastructure and knowledge base needed to jump-start commercialization of CS technologies.

New York State is a member of the Midwest Regional Carbon Sequestration Partnership (MRCSP) which is composed of state agencies, universities, private companies and non-governmental organizations. The region includes New York, Ohio, Indiana, Kentucky, West Virginia, Maryland, Pennsylvania and Michigan.

MRCSP is assessing carbon sequestration technologies suited to our region, identifying and evaluating appropriate storage locations and raising awareness of CSS issues. The group is also investigating the recovery efficiencies of various CO₂ extraction and sequestration methods in an effort to reduce fuel use and lower project costs.

Work done in 2007 by the Division of Mineral Resources supported the efforts of other New York State agency members, including the New York State Energy Research and Development Authority and the New York State Museum.

New York's Potential

Once the CO₂ has been captured at its source and transported by pipeline, it would then be injected

Important Terms

CO₂ is carbon dioxide.

Carbon Capture and Storage (CCS) means capturing CO₂ from large point sources, such as fossil fuel power plants, and storing it, primarily in geologic formations, instead of releasing it into the atmosphere.

Carbon Sequestration (CS) is the term for a broader class of techniques to capture and permanently sequester, or store, CO₂ through biological, chemical, or physical processes. It includes CCS defined above.

and stored safely in deep underground geologic formations located more than a half mile below the earth's surface. In New York State saline (salt-water filled) formations show the greatest promise of providing suitable underground storage sites with the ability to adequately contain the CO₂. Not all reservoirs would be suitable, however. A formation's ability to accept the CO₂ at a sufficient injection rate is one of the primary considerations when siting a potential CCS project.

The wells needed to inject CO₂ into such reservoirs would be very similar to wells the Division of Mineral Resources already regulates at underground natural gas storage facilities. Environmental protection and public safety are the Division's focus in permitting the drilling, construction and operation of underground natural gas storage wells and facilities. The same in-depth review and oversight would be required for any proposed carbon sequestration project.

2007 New York Mined Land Reclamation Program At a Glance

Active Mines
2,203

Approx. Value
\$1.3 Billion

U.S. Quantity Rank

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

Affected & Reclaimed Land

Net Affected Acreage	48,551
Life-of-Mine Acreage	115,618
Reclaimed, 2007	1,073
Reclaimed Since 1975	26,688

Common Mine Types

Sand & Gravel	1,810
Limestone	85
Bluestone	85
Sandstone	24

Owner Type

Industry	1,742
Government	461
- Local Govt.	445
- State Govt.	16

Financial Security

For Reclamation
\$139,122,735

Annual Regulatory Fees

\$2,852,200

Regulated Vs. Unregulated Mines

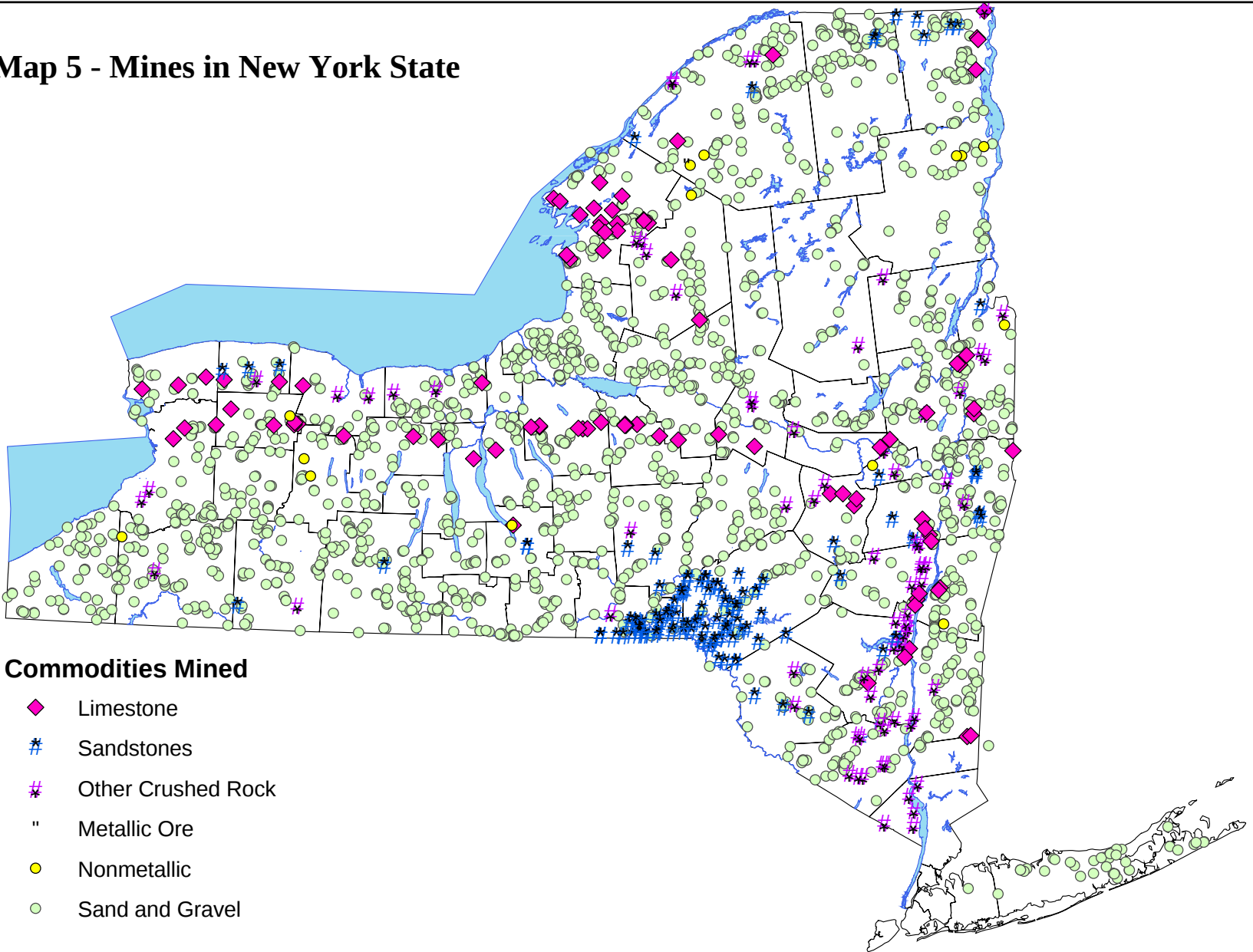
DEC's statistics in this Annual Report cover only mines regulated under the Mined Land Reclamation Law as described at the right. New York also has many unregulated mines (active & abandoned) that fall outside the law's jurisdiction. Most of these are small mines and/or mines that predate the 1975 law.

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 2007 New York had 2,203 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 284 hard-rock mines produce materials ranging from bluestone, 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 2007

As always, sand and gravel mines were the most common type of mine permitted in 2007 (see Table 9). The Division issued 46 permits for new mines and 326 renewals or modifications, for a total of 372 permits (see Table 10). Table 12 starting on page 31 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 9 - New Mines, 2007	
Sand & Gravel	36
Sandstone	4
Clay	2
Limestone	2
Shale	1
Bluestone	1
Bluestone Exp. Auth.	10

Geographic Distribution of Mines

Map 5 on page 28 shows that mines can be found statewide; in 2007 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-acre area, is 15 times larger than Rockland County. While St. Lawrence County had a relatively high total of 2,223 net affected acres under mining permit in 2007, that represented just 0.13% of the County's land.

Therefore, Table 11 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 2007 just 8 counties had more than 0.30% of their land surface under a mining permit (Albany, Dutchess, Erie, Genesee, Onondaga, Ontario, Rensselaer, Rockland) with a range of 0.30 to 0.41%. For most of the counties with active mines, less than 0.25% of their land was affected.

Table 10 - Permits, 2003 - 2007					
	2003	2004	2005	2006	2007
New Permits	51	55	66	47	46
Renewals & Modifications	538	420	345	327	326
Total Permits	589	475	411	374	372

← New Exploration Authorizations in 2007 for temporary bluestone sites that may become full-fledged permitted mines in the future.

Owner Type

In 2007 industry operators owned 1,742 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 2007 there were 49 county-owned mines and 396 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 2007 the Division collected \$2,852,200 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.

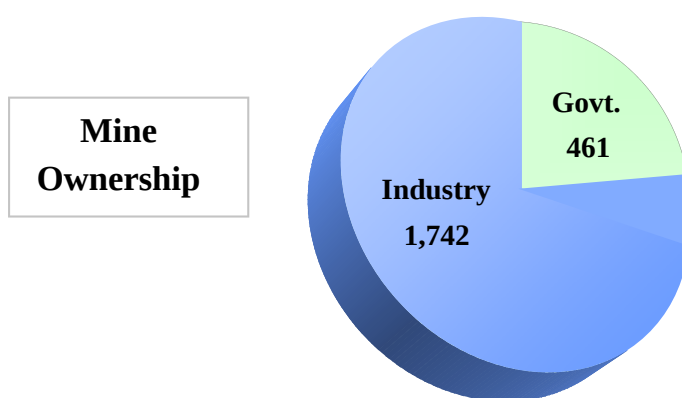


Table 11 - Counties with Highest Percentage of Land Under Mining Permit, 2007

County	Population Ctr. Nearby	Active Mines	Net Affected Acreage	Land Percent
Onondaga	Syracuse	43	2,053	0.41%
Genesee	Buffalo	23	1,314	0.41%
Rensselaer	Capital/ Tri-City	59	1,696	0.40%
Rockland	New York City	4	433	0.39%
Ontario	Rochester	43	1,582	0.38%
Albany	Capital/ Tri-City	18	1,213	0.36%
Dutchess	New York City	58	1,693	0.32%
Erie	Buffalo	52	1,981	0.30%

Table 12 - Number of Permits and Acreage by County, 2007

<u>County</u>	<u>2007 New Permits</u> ¹		<u>Total Permits</u> ¹	
	<u>Number</u>	<u>Acres</u> ²	<u>Number</u>	<u>Acres</u> ²
<u>Albany</u>	0	0	18	1,213
<u>Allegany</u>	1	9	45	445
<u>Broome</u>	0	0	53	732
<u>Cattaraugus</u>	0	0	74	1,825
<u>Cayuga</u>	0	0	25	387
<u>Chautauqua</u>	1	4	55	463
<u>Chemung</u>	0	0	23	398
<u>Chenango</u>	2	24	39	717
<u>Clinton</u>	6	189	63	1,155
<u>Columbia</u>	0	0	38	1,030
<u>Cortland</u>	0	0	20	362
<u>Delaware</u>	3	3	84	817
<u>Dutchess</u>	0	0	59	1,693
<u>Erie</u>	3	18	52	1,981

<u>County</u>	<u>2007 New Permits</u> ¹		<u>Total Permits</u> ¹	
	<u>Number</u>	<u>Acres</u> ²	<u>Number</u>	<u>Acres</u> ²
<u>Essex</u>	0	0	42	696
<u>Franklin</u>	4	24	76	675
<u>Fulton</u>	0	0	24	347
<u>Genesee</u>	0	0	23	1,314
<u>Greene</u>	1	5	22	1,017
<u>Hamilton</u>	0	0	21	129
<u>Herkimer</u>	1	2	51	1,268
<u>Jefferson</u>	2	29	81	1,771
<u>Lewis</u>	1	2	42	674
<u>Livingston</u>	0	0	24	1,168
<u>Madison</u>	0	0	24	503
<u>Monroe</u>	0	0	14	791
<u>Montgomery</u>	0	0	8	566
<u>Niagara</u>	0	0	15	668

¹ Includes all regulated mines, but not bluestone exploration authorizations

² Net affected acreage

Table 12 - Number of Permits and Acreage by County, 2007

County	2007 New Permits ¹		Total Permits ¹	
	Number	Acres ²	Number	Acres ²
Oneida	4	15	66	1,185
Onondaga	1	2	43	2,053
Ontario	0	0	43	1,582
Orange	0	0	46	810
Orleans	0	0	21	557
Oswego	3	23	102	1,654
Otsego	1	7	37	528
Putnam	0	0	4	70
Rensselaer	1	43	59	1,696
Rockland	0	0	4	433
Saratoga	0	0	62	1,475
Schenectady	0	0	9	238
Schoharie	1	4	17	506
Schuyler	0	12	12	365

County	2007 New Permits ¹		Total Permits ¹	
	Number	Acres ²	Number	Acres ²
Seneca	0	0	5	358
St. Lawrence	1	2	109	2,224
Steuben	2	9	86	2,008
Suffolk	0	0	37	1,123
Sullivan	1	8	29	1,039
Tioga	0	0	33	834
Tompkins	0	0	15	502
Ulster	2	27	50	759
Warren	0	0	36	634
Washington	2	8	60	870
Wayne	0	0	42	1,016
Westchester	0	0	1	4
Wyoming	2	3	27	202
Yates	2	15	13	166

¹ Includes all regulated mines, but not bluestone exploration authorizations

² Net affected acreage

Trends in Mine Size and Number

Mine renewal and modification permits issued in 2007 ranged in size from 1 to 458 acres. However, new mines tend to be smaller; 80 percent of new mines permitted in 2006 were 10 acres or less in size. The largest new mine was the 89-acre Nassau Quarry in Rensselaer County belonging to Troy Sand and Gravel.

Table 13 gives 2002 to 2007 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 2007 the total affected land authorized for mineral extraction under current mined land reclamation permits was 48,551 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 2007 this total life-of-mine area, which also includes past reclaimed acreage, was 115,618 acres.

Reclaimed Acres - In 2007 the Division approved final reclamation of 669 acres at 67 closed mines and concurrent reclamation of 405 acres at 41 operating mines. Table 13 on page 34 summarizes 2007 reclamation by County. Since 1975 a total of 26,688 acres of mined land have been reclaimed, including 1,073 acres reclaimed in 2007.

Table 13 - Range of Existing Mine Sizes, 2002 - 2007*

	<u>2002</u>	<u>2003</u>	<u>2004</u>	<u>2005</u>	<u>2006</u>	<u>2007</u>
Minor Projects	82	80	78	81	80	88
0 to 5 Acres	814	751	712	683	652	651
>5 to 10 Acres	584	549	532	531	531	509
>10 to 20 Acres	449	446	442	439	439	431
>20 to 30 Acres	178	172	179	179	169	166
>30 Acres	310	319	329	336	344	358
Total Mines	2,417	2,317	2,272	2,249	2,215	2,203

* 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. See Table 14 on page 36 for a breakdown of reclamation type by county.

Financial Security

Municipal and other government operations are exempt from financial security requirements. However, mine operators from the private sector are required to post financial security to guarantee reclamation of their mines. At the end of 2007 the Division held roughly \$139 million in financial security, an increase of \$17 million from 2006.

In the rare case where a mine operator fails to reclaim a mine, the Division calls the financial security and reclaims the land. However, recent experience has shown that bonding levels had not been keeping pace with rising reclamation costs. In 2006 the Division studied the issue and adopted a more detailed system of assessing reclamation costs. Since 2006 the new methodology has been used to calculate the required bonds.

for all new permits, permit renewals, modifications and transfers. Reclamation estimates completed in 2007 averaged \$4,360 per acre. As more permits come up for renewal, the statewide average will probably increase to \$5,000-\$6,000 per acre.

DEC Reclamation of Abandoned Mines

In 2007 DEC completed reclamation at the Shaker Ridge mine in the Town of Stephentown, Rensselaer County. The 13-acre gravel pit had steep slopes, erosion problems, sparse vegetation, and no topsoil stockpiles to use in reclaiming the land. The permit had expired and DEC had seized the financial security.

In the meantime, Synagro Corporation, a recycler of organic and inorganic residuals, approached DEC about the possibility of reclaiming a mine using short paper fiber (SPF) wastes from a paper mill. This material is currently used to reclaim mines in Canada. The fibrous paper material boosts the water-holding capacity of soil, helps retain nutrients, reduces topsoil runoff, and increases plant growth.

DEC's Division of Solid and Hazardous Materials issued a Research Development and Demonstration Permit for the project which authorized the company to reclaim the Stephentown mine site with five different blends of soil, SPF and fertilizer. Due to the experimental nature of the reclamation, DEC staff closely monitored the site for an extended period of time, but the new vegetation grew very quickly and the reclamation was quite successful.

During 2007 DEC was also involved in reclamation planning activities for four other abandoned mines. DEC's planning efforts in Broome County were directed at an abandoned bluestone mine in the Town of Sanford and a sand and gravel mine in the Town of Barker. In 2007 reclamation work was also in the planning stage for a small sand and gravel pit in Herkimer County and a town sand and gravel mine in Jefferson County.

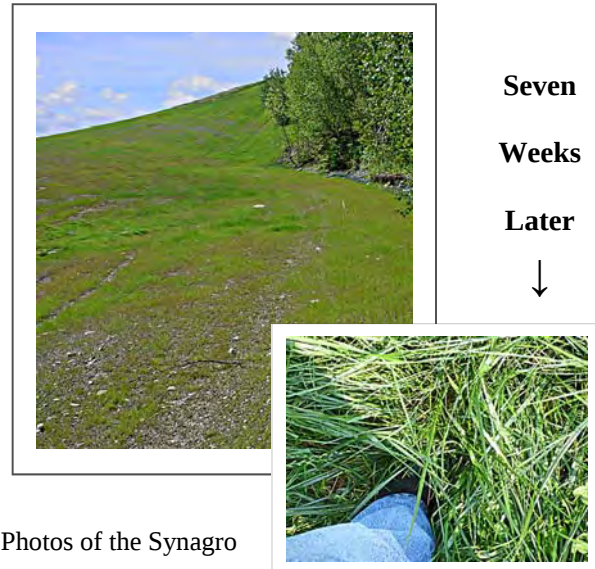
2007 Reclamation Highlights

In 2007 Maya Lin, the famous architect who designed the Vietnam Veteran's Memorial, continued work on reclamation of a mine located on the property of the Storm King Art Center in Orange County. This internationally famous outdoor sculpture park is home to more than 100 works by world-famous artists, with many large outdoor sculptures spread across the 500-acre grounds.

The nine rows of waves in Maya Lin's landform were sculpted into their final shape in 2007.

In 2007 Callanan Industries dedicated a new nature trail on land that is part of the original Albany Pine Barrens ecosystem. While working with DEC and the Wildlife Habitat Council, the mining company voluntarily agreed to modify their mined land-use plan to protect "species of special concern" identified by DEC.

Callanan also voluntarily gave up permitted reserves next to a seasonal pond and modified the mine's final reclamation plans to include nesting habitat, native plantings, pond shoreline enhancements, vegetative buffers and shoreline basking logs.



Photos of the Synagro site taken seven weeks apart show how effective the short paper fiber was in enhancing reclamation. The inspector's boot provides scale in the second photo.

Helpful Tips on Reclaiming Mines

Revegetation Procedures Manual

www.dec.ny.gov/lands/5401.html



The photo at right shows the start of construction on the 12- to 18-foot waves that eventually covered an area 250 by 400 feet.



At left Maya Lin discusses plans for her Wave Field Landform on a former 13-acre mine site at the Storm King Art Center. While the earth-work will remind visitors of ocean waves frozen in place, they will be able to climb around on them after the opening in 2009.

Table 14 - Reclamation Acreage Summary by County¹, 2007

County	Concurrent	Final	Total	County	Concurrent	Final	Total
Albany	0	0	0	Oneida	35.6	36	71.6
Allegany	0	22	22	Onondaga	0	2	2
Broome	37	0	37	Ontario	25.5	0	25.5
Cattaraugus	42	0	42	Orange	34	49	83
Cayuga	14	5	19	Orleans	71.7	0	71.7
Chautauqua	0	3.5	3.5	Oswego	30.95	54	84.95
Chemung	0	14	14	Otsego	1.76	0	1.76
Chenango	0	47.5	47.5	Putnam	0	0	0
Clinton	2	9.75	11.75	Rensselaer	1.64	15	16.64
Columbia	37.1	26	63.1	Rockland	0	0	0
Cortland	0	4.8	4.8	Saratoga	0	8	8
Delaware	0	31	31	Schenectady	0	0	0
Dutchess	0	3	3	Schoharie	0	11	11
Erie	0	2.25	2.25	Schuyler	0	3	3
Essex	0	8	8	Seneca	0	91.8	91.8
Franklin	21.5	0	21.5	St. Lawrence	8.6	66.1	74.7
Fulton	1	0	1	Steuben	0	0	0
Genesee	0	0	0	Suffolk	0	0	0
Greene	0	15	15	Sullivan	0.75	0	0.75
Hamilton	0	0	0	Tioga	10	29	39
Herkimer	12.1	40	52.1	Tompkins	0	0	0
Jefferson	2	19.5	21.5	Ulster	7	0	7
Lewis	0	28.7	28.7	Warren	1	0	1
Livingston	3	0	3	Washington	0.4	8	8.4
Madison	4	0	4	Wayne	0	11.5	11.5
Monroe	0	0	0	Westchester	0	0	0
Montgomery	0	4.32	4.32	Wyoming	0	0	0
Niagara	0	0	0	Yates	0	0	0

¹ Six counties without DEC-regulated mines not included in table

Compliance and Enforcement

Inspections

In 2007 Mined Land staff performed 2,507 mine inspections and traveled 172,719 miles. Staff inspect mine sites:

- during permit application review,
- during operation for general compliance,
- to ensure that violations are remediated,
- to ensure that reclamation meets requirements, and
- to investigate complaints.

Violations and Fines

Violations are handled with a mixture of enforcement tools, remediation requirements and penalties. In 2007 the Mined Land Program collected \$302,750 in fines and penalties for 43 cases.

An additional \$200,000 was collected as part of an Environmental Benefit Project. The money will be used to place rip-rap on the banks of Catteraugus Creek at the site of a chronic erosion problem where the creek borders a reclaimed mine.



During a routine visit a mine inspector reviews current activity at the mine with the operator for conformance to the mined land-use plan and all permit requirements.



2007 Fact Sheets

Products of

New York State Mines

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

www.dec.ny.gov



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

Important Products from New York Mines

What's in the Fact Sheets

Information in the fact sheets comes from two sources:

- the New York State DEC Division of Mineral Resources which regulates mining in the State. While the State has a permitting system with strong environmental controls, NYS law does not require mine operators to report production. The tables with DEC statistics showing the largest mines are very useful, but note that mine acreage is not the sole predictor of mine output. Production levels are influenced by a number of factors, including market demand and mine depth.
- the U.S. Geological Survey which collects production information on a voluntary basis from a sampling of mines nationwide and publishes data on the each state's output and national rank. NOTE -The federal statistics are published on a staggered schedule, so the latest available USGS data given for a specific mineral may be from 2005, 2006 or 2007.

New York Production Rank for Important Minerals

USGS data for 2007 showed that New York State:

- remains the **only wollastonite producer in the U.S.**
- little is imported, so we **supply almost the entire country's wollastonite**
- NY ranks **third in the world in wollastonite production**, behind only China and India

In addition, for 2005 USGS reported that by production volume New York continued to be:

- **first in industrial garnet**
- **third in salt**
- **fourth in talc**

In 2005 we were also fifth in zinc and rose from ninth to eight in dimension stone production. Other important New York minerals include bluestone, sandstone, granite, shale, slate and clay.

Economic Value of NY Minerals

For 2005 USGS reported that, in dollar terms, crushed stone remained New York's leading non-fuel mineral within the State, followed by salt, cement (portland and masonry), construction sand and gravel, and wollastonite. These five commodities typically account for over 97% of New York State's non-fuel mineral value, which USGS estimated at **\$1.29 billion** for 2005.



Sand and gravel mines are New York's most common type of mine with 1,757 active mines spread across the State. Suffolk, Dutchess and Rensselaer Counties are the leading producers of sand and gravel due to high quality glacial deposits in those counties and their proximity to large populations that require these materials for roads, buildings, and other infrastructure.

For 2005 USGS reported that New York production of construction grade sand and gravel rose 12% to 35 million metric tons and the value increased 16% to \$236 million. Sand and gravel is New York's fourth most economically important non-fuel mineral. The majority of mines in the State that fall below the Mined Land Reclamation Law's permit thresholds are small sand and gravel pits.

Table 1 - Sand and Gravel Mines Over 125 Permitted Acres, 2007

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Callanan Industries	Rensselaer	North Greenbush	412
Hanson Aggregates NY, Inc.	Oswego	Sandy Creek	273
Country Side Sand & Gravel	Cattaraugus	Dayton	236
Hanson Aggregates NY, Inc.	Livingston	Caledonia	200
Frey Concrete, Inc.	Genesee	Alexander	186
Peckham Materials Corp.	Warren	Chester	183
F S Lopke Contracting, Inc.	Tioga	Tioga	177
Valley Sand & Gravel, Inc.	Livingston	Caledonia	172
Coram Materials Corp.	Suffolk	Brookhaven	160
Hanson Aggregates NY, Inc.	Herkimer	Russia	160
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, 2007 (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
Hanson Aggregates NY, Inc.	Ontario	Victor	133

Table 2 - Largest Sand and Gravel Mine Operators, Total Permitted Acres, 2007

<u>Company</u>	<u>Counties</u>	<u>Acres</u>
Hanson Aggregates NY, Inc.	Cattaraugus, Chemung, Genesee, Herkimer, Livingston, Monroe, Montgomery, Oneida, Ontario, Oswego, Steuben, Schuyler, Wayne	1,774
Lafarge North America, Inc.	Cattaraugus, Erie, Wyoming	578
Buffalo Crushed Stone, Inc.	Allegeny, Cattaraugus, Genesee	542
Gernatt Asphalt Products, Inc.	Erie, Cattaraugus, Chautauqua	541
F S Lopke Contracting, Inc.	Broome, Chenango, Tioga	473
Graymont Materials NY, Inc.	Clinton, Essex, Franklin, Hamilton, St. Lawrence	468
Dalrymple Gravel & Constructing	Chemung, Steuben	457
Callanan Industries, Inc.	Albany, Rensselaer	422
Cranesville Aggregate Co., Inc.	Columbia, Fulton, Jefferson, Saratoga, Schenectady	412
Burton F Clark, Inc.*	Broome, Chenango, Delaware, Greene, Herkimer, Otsego, Tioga	363

* Includes Clark Companies

New York Limestone & Dolostone

Limestone and dolostone make up the second biggest category of New York mines with 105 scattered across the State. These mines produce roughly 90% of the stone sold in New York State. They collectively encompass 12,867 permitted acres with nearly half of that acreage in DEC Region 4 (Mid-Hudson) and DEC Region 8 (west-central New York).

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 always New York's leading non-fuel mineral, followed usually by salt and then cement. USGS figures for 2005 show New York production of crushed stone rose 7% to 52.7 million metric tons and the stone's value rose 36% 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. In more recent USGS reports, New York figures are grouped with Maine, so a yearly update is no longer possible. Nonetheless, New York remains an active cement manufacturing state. The highest concentration of activity is in the upper Hudson Valley area where a relatively pure limestone is quarried from the Coeymans formation. Across the State limestone and dolostone mines may also sell some of their production in the form of blocks or slabs, which are categorized as dimension stone.

Table 3 - Limestone and Dolostone Mines Over 250 Permitted Acres, 2007

<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
Buffalo Crushed Stone, Inc.	Erie	Lancaster	600
Tilcon, NY, Inc.	Dutchess	Poughkeepsie	458
St. Lawrence Cement Co.	Greene	Catskill	318
Hanson Aggregates NY, Inc.	Livingston	Lima	289
Seneca Stone Corp.	Seneca	Fayette	282
St. Lawrence Cement Co.	Columbia	Greenport	281
Hanson Aggregates NY, Inc.	Onondaga	Skaneateles	278

Table 3 (Continued) - Limestone & Dolostone Mines Over 250 Permitted Acres, 2007

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Buffalo Crushed Stone, Inc.	Genesee	Alabama	271
Lehigh Northeast Cement Co.	Greene	Catskill	267
Hanson Aggregates NY, Inc.	Jefferson	Pamelia	263
Hanson Aggregates NY, Inc.	Oneida	Marshall	258
Callanan/ Iroquois Rock Prod.	Monroe	Sweden	251

Table 4 - Largest Limestone & Dolostone Operators, Total Permitted Acres, 2007

<u>Company</u>	<u>Counties</u>	<u>Acres</u>
Hanson Aggregates NY, Inc.	Cayuga, Genesee, Herkimer, Jefferson, Livingston, Montgomery, Oneida, Onondaga, Ontario, Orleans, St. Lawrence, Wayne	3,392
Callanan Industries, Inc.*	Albany, Madison, Monroe, Montgomery Ulster	1,035
Buffalo Crushed Stone, Inc.	Erie, Genesee	1,013
Lafarge N. American Cement	Albany	759
Tilcon NY, Inc.	Dutchess, Rockland, Ulster	711
Dolomite Products Co., Inc.	Genesee, Monroe, Ontario, Wayne	705
Barrett Paving Materials, Inc.	Herkimer, Jefferson, Oneida, St. Lawrence	652
St. Lawrence Cement**	Columbia, Greene	599
Redland Quarries NY, Inc.	Niagara	489
Glens Falls Lehigh Cement Co.	Greene, Saratoga	416
Cobleskill Stone Products, Inc.	Schoharie	300
Seneca Stone Corp.	Seneca	282

* Includes Callanan dba Iroquois Rock Products

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

New York Wollastonite

New York is the only commercial producer of wollastonite in the nation 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 (behind China and India), accounting for around 20 percent of world output. A significant portion of New York's wollastonite is specially milled and/or surface treated to achieve specific industrial properties.

To protect proprietary data, USGS does not publish detailed statistics on wollastonite. However, USGS does quote industry experts who estimate that the country's, and therefore New York's, production was around 110,000 metric tons in 2007. According to the latest available USGS data from 2005, wollastonite continued to retain its usual spot as New York's fifth most valuable non-fuel mineral.

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

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

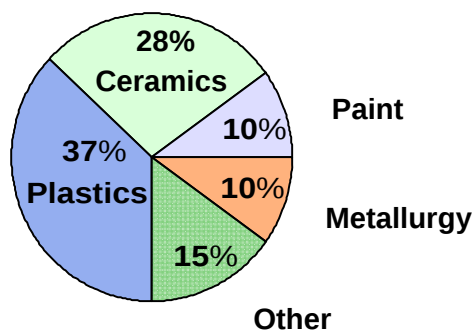


Table 5 - New York Wollastonite Mines, Permitted Acres, 2007

<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 Garnet

USGS statistics for 2007 showed that New York State continued to rank first nationwide in industrial garnet production. Since there are just a few companies in the U.S. that produce industrial garnet, USGS does not publish details for individual mines. However, generally speaking, Barton Mines in Warren County is the largest U.S. garnet producer. NYCO Minerals in Essex and Lewis counties also produces small quantities of garnet at its wollastonite mines (see page 8).

Table 6 - New York Garnet Mine, Permitted Acres, 2007

<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 Warren County. 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. Garnet is a well-known gemstone, but most New York garnets have too many imperfections to be used in jewelry.

Garnets from the company's current Ruby Mountain site make especially high-quality abrasives. Most New York garnet is used for sandpaper. USGS reported that 2007 end uses for garnet in the U.S. included waterjet cutting (35%), abrasive blasting media (30%), water filtration (15%), abrasive powders (10%), and other (10%).



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

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. These salt deposits range in depth from 500 feet near Syracuse to 4,000 feet near the Pennsylvania/ New York border. This large salt resource has been economically important to the State for over 200 years. USGS statistics show that salt remains a valuable asset; within the State it consistently ranks as the third most valuable non-fuel mineral we produce. Nationwide, New York also ranks third in salt production. USGS statistics show that in 2007 we contributed 18% of the country's salt supply, up 6% from the previous year.

There are currently two active rock salt mines in New York: Cargill's Cayuga Mine centered around Cayuga Lake in Tompkins and Seneca counties, and American Rock Salt's Hampton Corners Mine in Livingston County. The Cargill mine is the larger of the two mines and also, at 2,300 feet, the deepest salt mine in the western hemisphere. Cargill leases the underwater land from the NY State Office of General Services and pays a royalty on its production. 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. Salt is also produced from five solution mining facilities in Schuyler and Wyoming counties (see main body of Annual Report, page 25).

For 2007 the U.S. Geological Survey estimated New York's combined salt output from both underground mines and solution salt mining wells at roughly 8 million metric tons worth \$400 million. Subtracting New York's estimated brine production for 2007 leaves estimated rock salt production at 5.65 million metric tons. This 30% jump in rock salt output for 2007 reflects a weather-related production increase as the winter need for salt surged across New England and the northern Midwest in 2007. The value of New York's rock salt in 2007 was roughly \$300 million.



Road salt is crucial to winter travel.

Table 7 - New York Underground Salt Mines, Permitted Acres, 2007

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

* Note these are underground acres



New York Bluestone

New York and Pennsylvania are the only sources of bluestone, a specific type of sandstone that can be split into thin slabs. Bluestone has been mined periodically in New York State since the mid-19th century when it was used for sidewalks, building veneer, stair treads and other construction applications. Nowadays, bluestone is also considered a high-end material for indoor floors, countertops, outdoor patios and other landscaping uses. Despite the name, bluestone can also be dusty gray, or tinged with red or green.

In 2007 there were 62 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. Around 20% of permitted bluestone mines are only one acre and 60% fall in the one- to five- acre range. Activity also tends to be seasonal, with most mines closed in the winter. According to the NY State Bluestone Association, the estimated market value of bluestone is roughly \$100 million per year.

Bluestone's rising popularity and expanding markets over the last decade led to reopening of old mines and the search for new deposits. However, exploring for bluestone is more difficult than for many types of rock where a few well-placed coreholes will yield useful information. With bluestone, miners may need to remove as much as 10 times more overburden than product in the search for rock that breaks into slabs well.

In 2002 the New York State Legislature passed a Bluestone Exploration Authorization (EA) program that recognized the unique nature of the bluestone industry. Instead of going through the full mining permit application process, bluestone miners have the option of applying for a simplified one-year authorization to explore a potential bluestone site. This reduces the paperwork burden for a mine that may be a failure, while at the same time allowing DEC to maintain adequate environmental control over the activity. The operator may also request a one-time, one-year renewal if additional exploration is required to assess the resource. When an EA expires, the operator must either apply for a regular mining permit, if the site is commercially viable, or reclaim the land. In 2007 there were 20 EAs in effect with 10 sites in Broome County, 9 in Delaware County, and 1 in Chenango County.

The operators with the largest mines under permit are shown in Table 10. In 2007 the companies with the highest number of mines were Johnston & Rhodes Bluestone (16), Tompkins Bluestone (4), Star Stone Quarries (2), Devonian Stone of NY (2), and Damtown Stone and Drilling, Inc. (2).

Recent high prices for bluestone have allowed many mine operators to switch from old-fashioned hand mining to more modern techniques that rely on large motorized saws to cut blocks and slabs of bluestone.



A worker at a bluestone mine demonstrates how bluestone can be broken into the slabs that make it such a popular landscaping and building material.

Table 8 - Bluestone Mines Over 15 Permitted Acres, 2007

<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
Eastern Materials, LLC	Ulster	Kingston	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

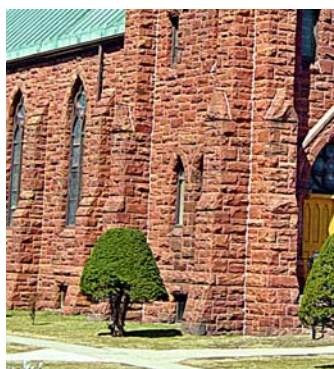
New York Sandstone

In 2007 there were 24 mines in New York producing sandstone which is found widely across the State in the form of sedimentary sandstones, graywacke, metamorphic quartzite and conglomerate. According to the latest USGS statistics available (2006), New York continued to rank second nationwide in the production of sandstone dimension stone (blocks and slabs) for building use, flagstone and curbing; larger blocks are also sold for rip-rap to stabilize waterways and embankments. In 2006 New York State produced 37,300 metric tons of sandstone dimension stone valued at \$2,670,000. However, most of New York's sandstone production is in the form of crushed stone for aggregate.

Callanan Industries is the company with the most sandstone mines (5 in eastern New York). The highest concentration of permitted acreage for sandstone mining is in a roughly 40-mile long trend in Sullivan and Delaware Counties (total 670 permitted acres).

Table 9 - Sandstone Mines Over 50 Permitted Acres, 2007

<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	131
Callanan Industries, Inc.	Rensselaer	Brunswick	76
Hanson Aggregates NY, Inc.	Orleans	Murray	68
Blades Construction Products	Steuben	Bath	64
Woodfalls Industries	Clinton	Mooers	62
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 Talc

The latest available USGS figures (2007) showed 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. Most talc in the U.S. is sold only after crushing and grinding and Gouverneur Talc has a milling operation at Balmat. 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 10 - New York Talc Mines, Permitted Acres, 2007

<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	3

New York Zinc

New York has historically been a major zinc producer with one 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 and the Balmat mine temporarily shut down. The Balmat mine reopened near the end of 2005. USGS data for 2006, the latest year available, showed that New York ranked fifth in zinc production in the country. Zinc is used to galvanize steel and protect it from rusting. It is also essential to making brass and bronze.

Table 11 - New York Zinc Mines, Permitted Acres, 2007

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Zinc Corporation of America	St. Lawrence	Fowler	432

New York Granite

In 2007 there were 24 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. Granite has long been used for statues, gravestones and building exteriors. Recently, it also become very popular for kitchen countertops and other decorative interior uses.

The number of permitted granite mines in the State has more than doubled since 2003. Some of this growth occurred as sand and gravel mine operators decided to dig deeper and switch to mining the bedrock underneath. Since 2003 former sand and gravel mines in four Adirondack counties and two mines in Dutchess County have started producing granite.

Most New York granite mines are aboveground, but Wingdale Material's underground mine in Dutchess County supplies crushed granite for roads and other construction needs. In 2007 the company finished moving its rock crushers belowground; this decreased the mine's noise and visual impacts and increased aboveground storage space for materials. Some of the other large granite mines in New York State also produce crushed stone for construction use.

Table 12 - Granite Mines Over 20 Permitted Acres, 2007

<u>Company</u>	<u>County</u>	<u>Town</u>	<u>Acres</u>
Peckham Materials Corp.	Warren	Chester	183
Peckham Materials Corp.	Saratoga	Greenfield	104
Pompa Brothers, Inc.	Saratoga	Greenfield	103
Hanson Aggregates, NY, Inc.	Oneida	Forestport	100
Graymont Materials NY, Inc.	Franklin	Brandon	77
Delaney Crushed Stone	Fulton	Northampton	67
Graymont Materials NY, Inc.	Essex	Lewis	62
Wingdale Materials, LLC	Dutchess	Dover	60
Thalle Industries, Inc.	Dutchess	Fishkill	46
Graymont Materials NY, Inc.	Essex	St. Armand	45
Lake Placid Granite Co.	Essex	Jay	28
Lake Placid Granite Co.	Essex	Jay	20



New York State Oil, Gas and Mineral Resources 2007

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.ny.gov



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Oil and Gas Production by Town, 2007 B-1

Permits Issues During 2007 C-1

Drilled Wildcats and Field Extensions, 2007 D-1

DIVISION OF MINERAL RESOURCES
OIL AND GAS STATISTICS¹
(1998 - 2007)

Annual Production	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Oil (1,000 bbl)	217	193	181	183	179	157	184	211	319	387
Gas (mmcf)	16,608	16,836	17,808	28,020	37,133	36,025	46,948	55,156	55,342	54,916
Well Statistics										
Oil	3,739	3,463	2,962	3,373	3,106	3,117	3,153	2,767	3,190	3,559
Gas	5,903	5,756	5,775	5,949	5,773	5,906	6,076	5,957	6,213	6,683
Inactive Oil	1,590	1,165	1,340	1,416	1,343	1,547	1,640	1,401	1,373	1,264
Inactive Gas	579	583	850	843	929	832	886	781	839	640
Storage	885	885	870	877	905	908	908	932	936	945
Active Brine	79	87	93	94	96	106	113	96	98	123
Inactive Brine	57	57	61	52	51	38	17	40	35	9
Water Injection	471	223	667	568	434	683	656	460	517	498
P&A (During Year)	169	138	131	79	146	142	145	150	213	192
Number of Wells	13,472	12,357	12,749	13,251	12,783	13,279	13,594	12,584	13,414	13,913
Drilling & Completions										
1. Total Wells Spudded	74	101	128	139	109	137	181	314	540	517
2. Total Wildcats	25	23	22	15	40	35	53	31	41	53
3. Discoveries	5	6	129	123	60	60	126	199	369	450
Oil Wildcat	0	0	0	0	0	1	0	0	0	0
Gas Wildcat	5	7	9	4	10	10	14	17	17	35
4. Total Dry Holes	20	21	16	24	32	25	28	18	7	25
5. Oil										
Development	7	25	17	25	17	28	56	93	174	179
Extension	0	0	0	0	0	0	0	2	2	0
6. Gas										
Development	30	15	98	80	28	19	40	82	165	224
Extension	6	6	5	14	5	3	16	5	11	12
7. Injection	0	0	0	0	0	0	0	2	2	19
8. Disposal	0	0	0	0	0	0	0	0	0	0
9. Stratigraphic	0	6	1	1	1	15	9	0	24	0
10. Service	0	0	0	0	0	0	0	0	0	1
11. Brine	19	7	13	15	10	11	15	14	19	14
12. Storage	3	0	0	5	15	3	1	4	16	3
13. Geothermal	0	0	0	6	1	6	6	14	11	14
13a. Suspended wells ²							3	10	5	8
14. Total Completions	90	87	159	174	119	121	188	261	453	534
(3,4,5,6,7,8,9,10,11,12, 13, 13a)										
Footage (1,000's) Vertical Wells ³	276	261	534	608	266	248	394	673	1,116	1,198
Deviated Wells ³	28	43	88	99	93	91	272	238	327	247
15. Total Footage Drilled	304	304	622	707	359	339	666	911	1,443	1,444
Proven Reserves at Year End										
Gas (mmcf)										
A. In Situ	189,342	65,160	96,273	174,014	307,214	163,559	208,707	190,300	212,766	260,456
B. In Storage Reservoirs	165,112	157,210	147,313	164,313	162,099	176,936	161,732	169,290	183,316	180,986
C. Total	354,454	222,370	243,586	338,327	469,313	340,495	370,439	359,590	396,082	441,442
Oil (1000 bbls)	2,428	846	783	1,189	1,069	1,066	1,056	1,205	1,910	2,550

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 7/1/2008.

Division of Mineral Resources Oil and Gas Statistics, 1998 - 2007

Oil and Gas Production by Town in Each County, 2007

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	1,592	0	75	1	1	0	0	0	0
Alma	7,336	3,062	716	25	0	184	64	17	25
Almond	1,270	0	1	1	0	0	0	0	0
Amity	31,505	53	963	2	2	5	8	0	0
Andover	34,708	7,405	126	2	14	114	36	0	11
Angelica	292		0	1	0	0	0	0	0
Bolivar	212	5,749	26,302	0	8	276	436	16	85
Centerville	0		0	1	0	0	0	0	0
Clarksville	316	1,541	369	0	0	12	48	1	26
Cuba	0		0	0	0	0	0	0	0
Friendship	0	0	0	0	0	0	1	0	0
Genesee	933	2,702	8,230	5	5	91	87	9	60
Granger	292		0	1	0	0	0	0	0
Independence	163,142	20,347	7,594	6	0	283	7	11	1
New Hudson	0		0	0	1	0	0	0	0
Rushford	0	0	0	2	1	0	0	0	0
Scio	4,023	270	1,095	3	3	88	142	0	56
Ward	210		0	3	0	0	0	0	0
Wellsville	6,716	4,356	217	0	0	104	19	9	9
Willing	0	709	12	1	0	8	28	0	0
Wirt	1,722	748	677	1	2	137	25	0	0
County Total	254,269	46,942	46,377	56	38	1,302	901	63	273
Broome County									
Fenton	0	0	0	0	0	0	0	0	0
Kirkwood	34	0	0	0	0	0	0	0	0
Triangle	0	0	0	0	1	0	0	0	0
County Total	34	0	0	0	1	0	0	0	0
Cattaraugus County									
Allegany	468,712	204,189	187,013	6	1	885	140	69	34
Ashford	12,728	1,024	2	16	5	2	0	0	0
Carrollton	67,261	68,120	18,962	4	0	640	65	18	2
Cold Spring	0	0	0	5	0	0	0	0	0
Conewango	151,734	0	0	78	1	0	0	0	0
Dayton	114,190	0	0	57	4	0	0	0	0
East Otto	8,160	0	18	6	0	0	0	0	0
Ellicottville	5,149	0	0	11	1	0	0	0	0
Farmersville	172	50	150	2	0	4	0	0	0
Freedom	9,749	0	1	8	2	1	0	0	0
Great Valley	0		0	1	0	0	0	0	0
Hinsdale		20	4	0	0	4	0	0	0
Leon	206,552	0	85	84	3	0	0	0	0
Little Valley	0	0	0	1	1	0	0	0	0
Machias	100	0	0	1	1	0	0	0	0
Mansfield	0		0	1	0	0	0	0	0
Napoli	1,527	0	0	2	0	0	0	0	0
New Albion	14,492	0	0	11	6	0	0	0	0
Olean	5,032	11,789	519	5	0	135	87	0	23
Olean City	0	0	0	0	1	0	0	0	0

Oil and Gas Production by Town in Each County, 2007

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									
Otto	85,393	114	31	69	1	1	0	0	0
Perrysburg	288,147	0	1,614	41	1	0	0	0	0
Persia	112,397	0	1	75	23	0	0	0	0
Portville	0	0	0	1	0	0	0	0	0
Randolph	64,150	453	4	75	10	1	0	0	0
South Valley	1,070	0	0	2	0	0	0	0	0
Yorkshire	23,866	0	3	19	4	0	0	0	0
County Total	1,640,581	285,759	208,407	581	65	1,673	292	87	59
Cayuga County									
Auburn City	120	0	0	1	0	0	0	0	0
Aurelius	356,812	0	5,206	145	1	0	0	0	0
Cato	0	0	0	0	1	0	0	0	0
Conquest	0	0	0	0	0	0	0	0	0
Fleming	78,043	0	3,050	33	3	0	0	0	0
Genoa	0	0	0	0	0	0	0	0	0
Ledyard	0	0	0	2	0	0	0	0	0
Owasco	0	0	0	2	1	0	0	0	0
Scipio	0	0	0	1	0	0	0	0	0
Sennett	263	0	0	1	4	0	0	0	0
Springport	315,242	0	3,769	110	5	0	0	0	0
Summerhill	0	0	0	0	1	0	0	0	0
Throop	5,586	0	0	9	0	0	0	0	0
Venice	0	0	0	0	0	0	0	0	0
County Total	756,066	0	12,025	304	16	0	0	0	0
Chautauqua County									
Arkwright	104,336	0	1,199	114	13	0	0	0	0
Busti	366,194	13,994	2,249	133	12	356	51	0	0
Carroll	174,253	0	598	71	4	3	0	0	0
Charlotte	313,099	464	6,605	119	10	1	1	0	0
Chautauqua	511,213	0	2,039	323	8	0	0	0	0
Cherry Creek	213,062	0	785	114	11	0	0	0	0
Clymer	199,656	1,061	2,872	113	16	5	1	0	0
Dunkirk	73,495	0	281	38	5	0	0	0	0
Dunkirk City	8,294	0	15	5	2	0	0	0	0
Ellery	153,705	472	2,851	114	6	12	4	0	0
Ellicott	179,893	12	1,015	63	2	1	0	0	0
Ellington	307,977	0	898	171	9	0	0	0	0
French Creek	32,381	0	126	54	10	0	0	0	0
Gerry	308,027	6,510	8,007	143	23	18	2	0	0
Hanover	331,264	0	3,589	117	9	0	0	0	0
Harmony	215,910	0	16,815	107	24	0	0	0	0
Jamestown	4,945	0	0	4	0	0	0	0	0
Kiantone	568,833	0	899	81	1	0	0	0	0
Mina	63,597	0	2,239	72	2	0	0	0	0
North Harmony	310,746	4,329	39,221	152	8	15	2	0	0
Poland	644,414	86	891	149	6	2	0	0	0
Pomfret	188,626	0	711	163	24	0	0	0	0
Portland	247,376	0	374	139	5	0	0	0	0
Ripley	187,502	0	2,754	167	8	0	0	0	0
Sheridan	123,147	0	593	85	16	0	0	0	0

Oil and Gas Production by Town in Each County, 2007

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	127,183	149	3,911	86	4	1	0	0	0
Stockton	117,640	0	966	113	1	0	0	0	0
Villanova	77,125	0	1,702	80	3	0	0	0	0
Westfield	410,624	0	1,830	264	12	0	0	0	0
County Total	6,564,517	27,077	106,035	3,354	254	414	61	0	0
Chemung County									
Big Flats	3,660,676	0	3,548	4	1	0	0	0	0
Catlin	3,368,447	0	6,867	9	2	0	0	0	0
Elmira	0	0	0	0	1	0	0	0	0
Elmira City	2,801	0	0	1	0	0	0	0	0
Erin	1,125,320	0	60,745	4	1	0	0	0	0
Southport	3,393,295	0	27,765	4	2	0	0	0	0
Van Etten	5,177,969	0	5,479	9	3	0	0	0	0
Veteran	4,219,057	0	15,114	7	1	0	0	0	0
County Total	20,947,565	0	119,518	38	11	0	0	0	0
Chenango County									
McDonough	0	0	0	0	0	0	0	0	0
Plymouth	15,837	0	135	2	0	0	0	0	0
Smyrna	76,399	0	1,447	7	2	0	0	0	0
County Total	92,236	0	1,582	9	2	0	0	0	0
Cortland County									
Homer	0	0	0	0	1	0	0	0	0
Scott	0	0	0	0	1	0	0	0	0
Virgil	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	3	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	64,097	0	309	58	8	0	0	0	0
Amherst	0	0	0	1	1	0	0	0	0
Aurora	31,481	0	0	43	13	0	0	0	0
Boston	14,841	0	33	38	1	0	0	0	0
Brant	149,270	0	659	111	3	0	0	0	0
Buffalo	625	0	0	2	1	0	0	0	0
Cheektowaga	8,838	0	4	13	1	0	0	0	0
Clarence	177	0	1	5	2	0	0	0	0
Colden	3,018	0	0	19	3	0	0	0	0
Collins	99,799	0	2,675	36	2	1	0	0	0
Concord	168,503	0	2,199	72	8	0	0	0	0
Eden	97,997	0	1,116	146	8	0	0	0	0
Elma	54,669	0	70	46	12	0	0	0	0
Evans	100,290	0	370	87	10	0	0	0	0
Hamburg	51,453	0	1	68	6	0	0	0	0
Holland	0	0	0	3	0	0	0	0	0
Lackawanna	339	0	33	2	0	0	0	0	0

Oil and Gas Production by Town in Each County, 2007

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	33,984	0	56	53	2	0	0	0	0
Marilla	23,844	0	0	29	4	0	0	0	0
Newstead	103,892	0	261	58	17	1	0	0	0
North Collins	92,335	0	1,046	86	4	0	0	0	0
Orchard Park	32,340	0	200	57	3	0	0	0	0
Sardinia	427,759	0	18,879	16	1	0	0	0	0
Tonawanda	0		0	0	1	0	0	0	0
Tonawanda City	0	0	0	2	0	0	0	0	0
Wales	2,336	0	0	12	6	0	0	0	0
West Seneca	28,689	0	0	9	0	0	0	0	0
County Total	1,590,576	0	27,912	1,072	117	2	0	0	0
Genesee County									
Alabama	16,480	0	100	20	1	0	0	0	0
Alexander	46,435	0	191	42	0	0	0	0	0
Batavia	40,179	0	585	41	1	0	0	0	0
Bergen	14		0	3	0	0	0	0	0
Bethany	17,445	0	510	30	1	0	0	0	0
Darien	362,468	0	2,324	216	8	0	0	0	0
Elba	799	0	0	2	0	0	0	0	0
Le Roy	3,865	0	90	7	3	0	0	0	0
Oakfield	10,974	0	40	12	0	0	0	0	0
Pavilion	15,385	0	507	24	1	0	0	0	0
Pembroke	199,286	0	552	127	1	0	0	0	0
Stafford	367	0	0	2	0	0	0	0	0
County Total	713,697	0	4,899	526	16	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	33,166	0	140	16	2	0	0	0	0
Caledonia	49,827	0	1,231	48	2	0	0	0	0
Groveland	0	0	0	0	1	0	0	0	0
Leicester	17,592	0	0	15	9	0	0	0	0
Nunda	0	0	0	1	0	0	0	0	0
Ossian	1		0	1	0	0	0	0	0
Portage	1,794	0	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	34,762	0	3,131	49	3	0	0	0	0
County Total	137,342	0	4,502	140	17	0	0	0	0
Madison County									
Eaton	2,275	0	0	4	0	0	0	0	0
Lebanon	354,235	0	6,724	33	4	0	0	0	0
Stockbridge	0	0	0	0	1	0	0	0	0
County Total	356,510	0	6,724	37	5	0	0	0	0
Niagara County									

Oil and Gas Production by Town in Each County, 2007

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	0	1	0	0	0	0	0
County Total	15	0	0	1	0	0	0	0	0
Oneida County									
Sangerfield	125	0	0	1	2	0	0	0	0
County Total	125	0	0	1	2	0	0	0	0
Onondaga County									
Lysander	0	0	0	1	0	0	0	0	0
Marcellus	0	0	0	0	7	0	0	0	0
Spafford	0	0	0	0	1	0	0	0	0
Tully	0	0	0	0	0	0	0	0	0
County Total	0	0	0	1	8	0	0	0	0
Ontario County									
Bristol	0	0	0	2	1	0	0	0	0
Canandaigua	0	0	0	1	1	0	0	0	0
East Bloomfield	36,516	0	4	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	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	396		0	1	0	0	0	0	0
West Bloomfield	2,672	0	0	2	0	0	0	0	0
County Total	39,584	0	4	17	8	0	0	0	0
Oswego County									
Richland	0	0	0	1	2	0	0	0	0
Schroeppel	0		0	0	1	0	0	0	0
West Monroe	0		0	1	0	0	0	0	0
Williamstown	223	0	0	1	0	0	0	0	0
County Total	223	0	0	3	3	0	0	0	0
Otsego County									
Cherry Valley	0		0	0	1	0	0	0	0
Springfield	0		0	0	1	0	0	0	0
County Total	0		0	0	2	0	0	0	0
Schuyler County									
Catharine	0	0	0	0	1	0	0	0	0
Dix	62,487	0	6,440	4	2	0	0	0	0
Hector	0	0	120	0	1	0	0	0	0
Montour	0	0	0	0	1	0	0	0	0
Orange	1,743,289	0	1,510	8	1	0	0	0	0
Reading	35,426	0	3,425	4	1	0	0	0	0
Tyrone	0	0	0	0	0	0	0	0	0
County Total	1,841,202	0	11,495	16	7	0	0	0	0
Seneca County									
Fayette	557,953	0	8,842	119	2	0	0	0	0

Oil and Gas Production by Town in Each County, 2007

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
Seneca County									
Junius	24,262	0	0	4	1	0	0	0	0
Seneca Falls	80,261	0	1,742	10	1	0	0	0	0
Tyre	9,402	0	0	3	0	0	0	0	0
Varick	174,188	0	2,166	45	0	0	0	0	0
County Total	846,066	0	12,750	181	4	0	0	0	0
Steuben County									
Avoca	464	0	0	2	0	0	0	0	0
Bath	12,905	0	0	2	0	0	0	0	0
Bradford	1,347,267	0	1,298	4	1	0	0	0	0
Cameron	0	0	0	0	0	0	0	0	0
Campbell	1,312,570	0	1,495	2	2	0	0	0	0
Canisteo	0	0	0	0	1	0	0	0	0
Caton	8,455,124	0	18,003	6	1	0	0	0	0
Cohocton	80,166	0	130	3	1	0	0	0	0
Corning	5,289,590	0	8,699	12	1	0	0	0	0
Erwin	5,819	0	0	1	2	0	0	0	0
Fremont	0	0	0	1	0	0	0	0	0
Greenwood	0	256	0	1	0	4	0	0	0
Hartsville	0	0	0	1	1	0	0	0	0
Hornby	1,193,434	0	2,762	6	3	0	0	0	0
Howard	0	0	0	1	1	0	0	0	0
Jasper	0	0	0	0	2	0	0	0	0
Prattsburg	320,620	0	2,439	7	0	0	0	0	0
Pulteney	502,248	0	1,128	11	1	0	0	0	0
Thurston	0	0	0	0	1	0	0	0	0
Troupsburg	0	0	0	0	2	0	0	0	0
Tuscarora	0	0	0	0	0	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	68,979	16,145	38,981	1	3	200	10	17	0
Woodhull	0	0	0	0	0	0	0	0	0
County Total	18,589,186	16,401	74,935	61	24	204	10	17	0
Tioga County									
Barton	0	0	0	0	1	0	0	0	0
Candor	0	0	0	0	1	0	0	0	0
Nichols	0	0	0	1	0	0	0	0	0
Owego	0	0	0	1	0	0	0	0	0
Spencer	0	0	0	0	3	0	0	0	0
Tioga	0	0	0	0	0	0	0	0	0
County Total	0	0	0	2	5	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
Lansing	0	0	0	0	0	0	0	0	0
Newfield	0	0	0	0	1	0	0	0	0
Ulysses	0	0	0	0	0	0	0	0	0
County Total	0	0	0	0	2	0	0	0	0
Wayne County									

Oil and Gas Production by Town in Each County, 2007

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
Wayne County									
Butler	800	0	0	1	2	0	0	0	0
Galen	80,110	0	0	3	1	0	0	0	0
County Total	80,910	0	0	4	3	0	0	0	0
Wyoming County									
Arcade	50,615	0	3	37	0	0	0	0	0
Attica	1,148		0	2	2	0	0	0	0
Bennington	102,626	0	703	91	0	0	0	0	0
Castile	7,838		0	4	0	0	0	0	0
Covington	112,880	0	1,860	35	4	0	0	0	0
Gainesville	0		0	0	1	0	0	0	0
Genesee Falls	0	0	0	1	0	0	0	0	0
Java	10,667	0	20	23	0	0	0	0	0
Middlebury	36,002	0	385	4	4	0	0	0	0
Perry	33,438	0	70	39	5	0	0	0	0
Pike	0	0	0	1	0	0	0	0	0
Sheldon	41,494	0	933	42	0	0	0	0	0
Warsaw	1,165	0	0	3	1	0	0	0	0
County Total	397,873	0	3,974	282	17	0	0	0	0
Yates County									
Barrington	0	0	0	0	2	0	0	0	0
Benton	250	0	0	2	9	0	0	0	0
Italy	0	0	0	0	0	0	0	0	0
Jerusalem	93,294	0	7,297	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	93,544	0	7,297	4	18	0	0	0	0
State Total	54,942,121	376,179	648,436	6,690	649	3,595	1,264	167	332

Permits Issued During 2007

Town	Company	API Number	Well Name	Issue Date	Spud Date
Allegany					
Alma	National Fuel Gas Supply Corp.	31003003810001	Burns W. SC-515A	5/9/2007	11/9/2007
Alma	Klein, Roger, A. Jr.	31003249330000	Lot 53 K26	4/13/2007	9/10/2007
Alma	National Fuel Gas Supply Corp.	31003637040001	Harder L. SC-518A	5/9/2007	10/12/2007
Alma	National Fuel Gas Supply Corp.	31003637050001	Harder L. SC-521A	5/9/2007	8/22/2007
Amity	Saint John Exploration & Productio	31003249280000	Middaugh 7	4/9/2007	6/10/2007
Amity	Saint John Exploration & Productio	31003249290000	Middaugh 8	4/9/2007	6/7/2007
Amity	Saint John Exploration & Productio	31003249570000	Middaugh 10	5/17/2007	10/25/2007
Amity	Saint John Exploration & Productio	31003249580000	Middaugh 11	6/11/2007	11/5/2007
Amity	Saint John Exploration & Productio	31003250490000	Middaugh 13	9/6/2007	10/12/2007
Amity	Saint John Exploration & Productio	31003250500000	Middaugh 17	9/6/2007	11/9/2007
Andover	Otis Eastern Service, Inc.	31003249630000	Hammel 3	6/11/2007	6/18/2007
Andover	Otis Eastern Service, Inc.	31003249640000	Hammel 4	6/11/2007	6/11/2007
Andover	Otis Eastern Service, Inc.	31003249650000	C. V. Clark 1	6/11/2007	6/20/2007
Andover	Otis Eastern Service, Inc.	31003249660000	C.V. Clark 4	6/11/2007	6/27/2007
Andover	Otis Eastern Service, Inc.	31003249930000	Clark CV 2	7/3/2007	7/9/2007
Andover	Otis Eastern Service, Inc.	31003249940000	Clark CV 3	7/3/2007	7/5/2007
Andover	Otis Eastern Service, Inc.	31003249950000	Hammel 2	7/3/2007	7/12/2007
Andover	Otis Eastern Service, Inc.	31003249960000	Hammel 5	7/3/2007	7/18/2007
Bolivar	Bull Dog Oil	31003250060000	Gadsby-Bulldog 3	7/31/2007	8/5/2007
Bolivar	Bull Dog Oil	31003250070000	Gadsby-Bulldog 4	7/31/2007	8/10/2007
Genesee	Dallas Energy, LLC	31003250980000	Duke 15	10/30/2007	2/22/2008
Hume	Petroleum Development Corporatio	31003250560000	Hinz R & B 1	10/24/2007	
Hume	Petroleum Development Corporatio	31003250560001	Hinz R & B 1A	11/7/2007	1/27/2008
Independence	Otis Eastern Service, Inc.	31003247850000	Ponderosa 1	1/12/2007	1/23/2007
Independence	Otis Eastern Service, Inc.	31003247860000	Ponderosa 2	1/12/2007	1/27/2007
Independence	Otis Eastern Service, Inc.	31003247870000	Ponderosa 4	1/12/2007	2/1/2007
Independence	Otis Eastern Service, Inc.	31003247880000	Ponderosa 5	1/12/2007	2/19/2007
Independence	Nathan Petroleum, Yahn & Yahn a	31003248920000	Austin 6Y	3/29/2007	4/10/2007
Independence	Nathan Petroleum, Yahn & Yahn a	31003248930000	Austin 7Y	3/29/2007	4/17/2007
Independence	Nathan Petroleum, Yahn & Yahn a	31003248940000	Austin 13Y	3/29/2007	4/3/2007
Independence	Nathan Petroleum,Rexaco,Yahn&Y	31003249170000	Kear II 2	3/29/2007	4/24/2007
Independence	Nathan Petroleum,Rexaco,Yahn&Y	31003249180000	Kear II 3	3/29/2007	4/30/2007
Independence	Nathan Petroleum,Rexaco,Yahn&Y	31003249190000	Kear II 4	3/29/2007	5/3/2007
Independence	Plants & Goodwin, Inc.	31003249520000	Grantier 14	6/11/2007	6/27/2007
Independence	Plants & Goodwin, Inc.	31003249530000	Grantier 15	6/11/2007	7/2/2007
Independence	Plants & Goodwin, Inc.	31003249540000	Grantier 16	6/11/2007	7/11/2007
Independence	Plants & Goodwin, Inc.	31003249550000	Grantier 17	6/11/2007	7/17/2007
Independence	Plants & Goodwin, Inc.	31003249560000	Grantier 18	6/11/2007	7/6/2007
Independence	Richardson Petroleum Corp.	31003249830000	Potter 19	7/3/2007	10/15/2007
Independence	Plants & Goodwin, Inc.	31003250030000	Whitesell 3	7/20/2007	7/27/2007
Independence	Plants & Goodwin, Inc.	31003250040000	Whitesell 15	7/20/2007	8/10/2007

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Allegany					
Independence	Nathan Petroleum Corp.	3100325080000	Clark 17	10/17/2007	2/28/2008
Independence	Nathan Petroleum Corp.	31003250810000	Clark 18	10/17/2007	2/21/2008
Independence	Nathan Petroleum Corp.	31003250820000	Clark 19	10/17/2007	2/14/2008
Independence	Plants & Goodwin, Inc.	31003251600000	Grantier 19	12/20/2007	3/27/2008
Independence	Plants & Goodwin, Inc.	31003251610000	Grantier 20	12/20/2007	4/2/2008
Independence	Plants & Goodwin, Inc.	31003251620000	Grantier 21	12/20/2007	4/9/2008
Independence	Plants & Goodwin, Inc.	31003251630000	Grantier 22	12/20/2007	4/16/2008
Independence	Plants & Goodwin, Inc.	31003251640000	Grantier 23	12/20/2007	4/23/2008
Independence	Plants & Goodwin, Inc.	31003251880000	Grantier 24	12/21/2007	3/21/2008
Willing	National Fuel Gas Supply Corp.	31003003790001	Moynihan Farms SC-495A	6/13/2007	1/17/2008
Willing	Richardson Petroleum Corp.	31003250310000	Smith 3	8/22/2007	9/17/2007
Bronx					
Bronx	New York City Dept. of Design &	31005236080003	W-3	2/2/2007	2/6/2007
Broome					
Kirkwood	Chesapeake Appalachia, L.L.C.	31007229950101	Beagell 2-B (625347)	10/17/2007	10/25/2007
Kirkwood	Chesapeake Appalachia, L.L.C.	31007230560101	Butkowsky 1-B (625331)	10/17/2007	
Cattaraugus					
Allegany	East Resources, Inc.	31009121820002	Enterprise Transit St 116B	4/9/2007	7/28/1976
Allegany	East Resources, Inc.	31009121840001	Enterprise Transit State 118A	4/5/2007	4/17/2007
Allegany	East Resources, Inc.	31009122550001	Enterprise Transit St 111A	4/5/2007	8/3/1976
Allegany	East Resources, Inc.	31009122570001	Enterprise Transit State 125A	4/5/2007	8/18/1976
Allegany	East Resources, Inc.	31009123030002	Enterprise Transit State #115B	5/3/2007	6/6/2007
Allegany	East Resources, Inc.	31009123810001	Enterprise Transit State 113A	4/5/2007	4/24/2007
Allegany	East Resources, Inc.	31009124640002	Enterprise Transit State #103B	5/3/2007	6/2/2007
Allegany	East Resources, Inc.	31009124790002	Enterprise Transit State #119B	5/3/2007	6/18/2007
Allegany	East Resources, Inc.	31009125650002	Enterprise Transit St 121B	4/9/2007	5/13/2007
Allegany	East Resources, Inc.	31009126590001	Enterprise Transit State #18B	5/3/2007	5/21/2007
Allegany	East Resources, Inc.	31009126600001	Enterprise Transit State #105A	5/3/2007	5/29/2007
Allegany	East Resources, Inc.	31009126960001	Enterprise Transit St 133	1/19/2007	3/10/1977
Allegany	East Resources, Inc.	31009127550001	Enterprise Transit St 138	1/19/2007	2/15/2007
Allegany	East Resources, Inc.	31009127680001	Enterprise Transit State 150A	3/14/2007	4/9/2007
Allegany	East Resources, Inc.	31009128030001	Enterprise Transit St 10	1/19/2007	2/27/2007
Allegany	East Resources, Inc.	31009128260001	Enterprise Transit St 142	1/19/2007	2/27/2007
Allegany	East Resources, Inc.	31009129040001	Enterprise Transit St 148	1/19/2007	1/29/2007
Allegany	East Resources, Inc.	31009129400001	Enterprise Transit St 140A	1/19/2007	7/5/2007
Allegany	East Resources, Inc.	31009129640001	Enterprise Transit State 144	1/29/2007	9/17/1977
Allegany	East Resources, Inc.	31009130240001	Enterprise Transit St 152	1/19/2007	3/12/2007
Allegany	East Resources, Inc.	31009130370001	Enterprise Transit St 153	1/19/2007	11/10/1977
Allegany	East Resources, Inc.	31009235950001	Rumsey Devonian Sec 11 Lot 3-9A	3/26/2007	6/5/2007
Allegany	East Resources, Inc.	31009248870000	Rumsey Devonian Sec 10 Lot 2-157	4/13/2007	5/16/2007
Allegany	East Resources, Inc.	31009248880000	Rumsey Devonian Sec 10 Lot 2-158	4/13/2007	5/14/2007

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Cattaraugus					
Allegany	East Resources, Inc.	31009248890000	Rumsey Devonian Sec 10 Lot 2-159	4/13/2007	5/31/2007
Allegany	East Resources, Inc.	31009248900000	Rumsey Devonian Sec 10 Lot 2-164	4/13/2007	5/29/2007
Allegany	East Resources, Inc.	31009248910000	Rumsey Devonian Sec 10 Lot 3-165	4/13/2007	5/3/2007
Allegany	East Resources, Inc.	31009249270000	Thropp 05	4/16/2007	6/7/2007
Allegany	East Resources, Inc.	31009249670000	Rumsey Devonian Sec 10 Lot 2-167	6/15/2007	6/28/2007
Allegany	East Resources, Inc.	31009249680000	Rumsey Devonian Sec10 Lot3 168	6/15/2007	7/17/2007
Allegany	East Resources, Inc.	31009249690000	Rumsey Devonian Sec10 Lot3 189	6/15/2007	7/2/2007
Allegany	East Resources, Inc.	31009249700000	Rumsey Devonian Sec10 Lot3 192	6/15/2007	7/13/2007
Allegany	East Resources, Inc.	31009249710000	Rumsey Devonian Sec10 Lot3 193	6/15/2007	7/12/2007
Allegany	East Resources, Inc.	31009249720000	Rumsey Devonian Sec10 Lot3 194	6/15/2007	7/21/2007
Allegany	East Resources, Inc.	31009249730000	Rumsey Devonian Sec10 Lot4 197	6/15/2007	7/19/2007
Allegany	Case Brothers Inc.	31009249860000	Rumsey 1A	7/24/2007	9/24/2007
Allegany	Case Brothers Inc.	31009249870000	Rumsey 2A	7/24/2007	10/1/2007
Allegany	Case Brothers Inc.	31009249880000	Rumsey 3A	7/24/2007	9/17/2007
Allegany	Case Brothers Inc.	31009249890000	Rumsey 4A	7/24/2007	9/10/2007
Allegany	Case Brothers Inc.	31009249900000	Rumsey 5A	7/24/2007	8/31/2007
Allegany	Case Brothers Inc.	31009249910000	Rumsey 6A	7/24/2007	8/24/2007
Allegany	Case Brothers Inc.	31009249920000	Rumsey 7A	7/24/2007	8/17/2007
Allegany	East Resources, Inc.	31009250320000	Thropp 03	8/22/2007	9/24/2007
Allegany	East Resources, Inc.	31009250330000	Thropp 04	8/22/2007	10/6/2007
Allegany	East Resources, Inc.	31009250340000	Thropp 2	8/16/2007	9/17/2007
Allegany	East Resources, Inc.	31009250350000	Thropp 3	8/16/2007	10/4/2007
Allegany	East Resources, Inc.	31009250360000	Thropp 4	8/16/2007	10/9/2007
Allegany	East Resources, Inc.	31009250370000	Thropp 5	8/16/2007	10/10/2007
Allegany	East Resources, Inc.	31009250380000	Thropp 6	8/16/2007	10/13/2007
Allegany	East Resources, Inc.	31009250390000	Thropp 7	8/16/2007	10/16/2007
Allegany	East Resources, Inc.	31009250400000	Thropp 8	8/16/2007	10/2/2007
Allegany	East Resources, Inc.	31009250410000	Thropp 9	8/16/2007	9/26/2007
Allegany	East Resources, Inc.	31009250420000	Thropp 10	8/16/2007	9/20/2007
Allegany	Bouquin, Fred C. & Fred L.	31009250430000	Smith 22	9/7/2007	10/15/2007
Allegany	Bouquin, Fred C. & Fred L.	31009250440000	Smith 23	9/7/2007	10/8/2007
Allegany	Snyder Brothers, Inc.	31009251360000	Nichols Run SBNR 12	12/12/2007	1/24/2008
Allegany	Snyder Brothers, Inc.	31009251370000	Nichols Run SBNR 16	12/12/2007	2/5/2008
Allegany	Snyder Brothers, Inc.	31009251380000	Nichols Run SBNR 17	12/12/2007	1/31/2008
Allegany	Snyder Brothers, Inc.	31009251390000	Nichols Run SBNR 26	12/12/2007	1/18/2008
Allegany	Snyder Brothers, Inc.	31009251400000	Nichols Run SBNR 28	12/12/2007	
Allegany	Kellner, Christian F.	31009251510000	Utter 53	12/4/2007	12/13/2007
Carrollton	Dallas Energy, LLC	31009247970000	Potter Lumber PL6	1/26/2007	4/12/2007
Carrollton	Dallas Energy, LLC	31009247980000	Potter Lumber PL7	1/26/2007	4/9/2007
Carrollton	Dallas Energy, LLC	31009247990000	Potter Lumber PL8	1/26/2007	4/3/2007
Carrollton	Dallas Energy, LLC	31009248000000	Potter Lumber PL9	1/26/2007	
Carrollton	McCracken, Carl A. III	31009249210000	Ertz-Carey EC-4	4/4/2007	6/14/2007

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Cattaraugus					
Carrollton	McCracken, Carl A. III	31009249220000	McCray P-10	4/4/2007	6/20/2007
Carrollton	McCracken, Carl A. III	31009249300000	Beardsley B-8	4/20/2007	5/24/2007
Carrollton	McCracken, Carl A. III	31009249310000	Rosa O'Brien RO-12	4/20/2007	6/8/2007
Carrollton	McCracken, Carl A. III	31009249320000	Mueller M-20	4/20/2007	5/30/2007
Carrollton	McCracken, Carl A. III	31009249360000	Rosa O'Brien RO-6	4/20/2007	6/4/2007
Carrollton	Dallas Energy, LLC	31009251170000	Potter Lumber PL9	11/28/2007	12/24/2007
Carrollton	Dallas Energy, LLC	31009251180000	Potter Lumber PL10	11/28/2007	2/27/2008
Carrollton	Dallas Energy, LLC	31009251190000	Potter Lumber PL11	11/28/2007	2/25/2008
Carrollton	Dallas Energy, LLC	31009251200000	Potter Lumber PL12	11/28/2007	2/22/2008
Carrollton	Dallas Energy, LLC	31009251210000	Potter Lumber PL14	11/28/2007	2/18/2008
Carrollton	Dallas Energy, LLC	31009251220000	Potter Lumber PL18	11/28/2007	1/2/2008
Carrollton	Dallas Energy, LLC	31009251230000	Potter Lumber PL19	11/28/2007	12/28/2007
Dayton	Texas Keystone, Inc.	31009241820002	Van Etten 3B	7/19/2007	8/28/2007
Dayton	Texas Keystone, Inc.	31009241830002	Van Etten 5B	7/19/2007	8/22/2007
East Otto	U S Energy Development Corp.	31009248170000	Race 1	5/3/2007	
East Otto	U S Energy Development Corp.	31009248170001	Race 1A	11/26/2007	1/31/2008
East Otto	U S Energy Development Corp.	31009248180000	Perkins 1	3/15/2007	3/26/2007
East Otto	U S Energy Development Corp.	31009248190000	Perkins 2	3/15/2007	3/26/2007
East Otto	U S Energy Development Corp.	31009248200000	Perkins 3	3/15/2007	3/26/2007
East Otto	U S Energy Development Corp.	31009248570000	Witnauer 1	5/3/2007	
East Otto	U S Energy Development Corp.	31009248570001	Witnauer 1A	11/26/2007	2/25/2008
East Otto	U S Energy Development Corp.	31009248580000	Beiter 1	5/3/2007	
East Otto	U S Energy Development Corp.	31009248580001	Beiter 1A	11/26/2007	12/20/2007
East Otto	U S Energy Development Corp.	31009248590000	Beiter 2	5/16/2007	
East Otto	U S Energy Development Corp.	31009248590001	Beiter 2A	12/6/2007	1/28/2008
East Otto	U S Energy Development Corp.	31009248600000	Beiter 3	5/3/2007	
East Otto	U S Energy Development Corp.	31009248600001	Beiter 3A	12/6/2007	2/19/2008
Leon	U S Energy Development Corp.	31009250750000	Hershberger 1	12/12/2007	3/14/2008
Leon	U S Energy Development Corp.	31009250910000	Yoder 1	12/12/2007	2/25/2008
Leon	U S Energy Development Corp.	31009250920000	Miller 1	11/26/2007	2/25/2008
Leon	U S Energy Development Corp.	31009251050000	Hackney 1	11/16/2007	2/25/2008
Olean	Dominion Transmission, Inc.	31009249990000	Empire Wood Products DTIM 1	8/3/2007	
Olean	Copper Ridge Oil, Inc.	31009250830000	Weis 61	10/23/2007	10/29/2007
Olean	Copper Ridge Oil, Inc.	31009250840000	Weis 63	10/23/2007	11/1/2007
Olean	Copper Ridge Oil, Inc.	31009251010000	Weis 65	11/7/2007	11/14/2007
Olean	Copper Ridge Oil, Inc.	31009251410000	Weis 60	11/27/2007	12/27/2007
Olean	Copper Ridge Oil, Inc.	31009251420000	Weis 62	11/27/2007	12/11/2007
Olean	Copper Ridge Oil, Inc.	31009251520000	Lunn, Place & Stopfel 25	12/27/2007	4/23/2008
Olean	Copper Ridge Oil, Inc.	31009251530000	Weis 66	12/27/2007	5/14/2008
Olean	Copper Ridge Oil, Inc.	31009251540000	Weis 69	12/27/2007	5/8/2008
Olean	Copper Ridge Oil, Inc.	31009251550000	Weis 76	12/27/2007	5/2/2008
Olean	Copper Ridge Oil, Inc.	31009251560000	Py 51	12/27/2007	4/10/2008

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Cattaraugus					
Olean	Copper Ridge Oil, Inc.	31009251570000	Py 53	12/27/2007	5/30/2008
Olean	Copper Ridge Oil, Inc.	31009251580000	Py 54	12/27/2007	2/14/2008
Perrysburg	U S Energy Development Corp.	31009246720001	Daniel 3A	5/23/2007	5/16/2007
Perrysburg	U S Energy Development Corp.	31009248050000	Ross 2	2/22/2007	3/23/2007
Perrysburg	U S Energy Development Corp.	31009248160000	Daniel 2	2/22/2007	3/22/2007
Perrysburg	U S Energy Development Corp.	31009248950000	Cross 10	3/30/2007	5/21/2007
Perrysburg	U S Energy Development Corp.	31009248960000	Hilliker 1	3/30/2007	
Perrysburg	U S Energy Development Corp.	31009248970000	Irish 2	3/30/2007	
Perrysburg	U S Energy Development Corp.	31009248980000	Rebmann 1	3/29/2007	8/20/2007
Persia	Texas Keystone, Inc.	31009179060001	Rich C 1A	9/27/2007	
Persia	Texas Keystone, Inc.	31009245790000	Moench Tanning 2	7/19/2007	10/15/2007
Persia	Texas Keystone, Inc.	31009245800000	Moench Tanning 3	7/19/2007	9/26/2007
Persia	Texas Keystone, Inc.	31009245810000	Moench Tanning 4	7/19/2007	10/3/2007
Persia	Texas Keystone, Inc.	31009245900001	Ackley 5A	7/18/2007	9/10/2007
Persia	Texas Keystone, Inc.	31009245910001	Bezeljak 3A	7/18/2007	9/17/2007
Yorkshire	Stedman Energy, Inc.	31009247900000	Weaver 1	1/31/2007	5/30/2007
Yorkshire	Nornew, Inc.	31009251000000	Berger 1	12/18/2007	1/30/2008
Cayuga					
Genoa	Anschutz Exploration Corporation	31011238400100	Patchen 1A	4/4/2007	4/14/2007
Genoa	Ansbro Petroleum Company LLC	31011238400200	Patchen 1B	5/4/2007	5/16/2007
Genoa	Anschutz Exploration Corporation	31011239820000	Elkendale Farms 1	4/20/2007	5/15/2007
Genoa	Anschutz Exploration Corporation	31011239820001	Elkendale Farms 1	6/18/2007	5/15/2007
Genoa	Ansbro Petroleum Company LLC	31011239840000	Willet Cotton-Hanlon 1	5/16/2007	
Genoa	Ansbro Petroleum Company LLC	31011239860000	Willet Hargett 1	5/9/2007	
Ledyard	Chesapeake Appalachia, L.L.C.	31011260240000	Lacey 1 (626597)	8/15/2007	10/10/2007
Ledyard	Chesapeake Appalachia, L.L.C.	31011260250000	Bouley 1 (626594)	8/15/2007	10/16/2007
Ledyard	Chesapeake Appalachia, L.L.C.	31011260260000	Grady 1 (626596)	8/15/2007	9/16/2007
Ledyard	Chesapeake Appalachia, L.L.C.	31011260270000	Willreese Co. 1	8/15/2007	10/5/2007
Ledyard	Chesapeake Appalachia, L.L.C.	31011260280000	Minnoe 1 (626595)	8/15/2007	9/29/2007
Springport	Chesapeake Appalachia, L.L.C.	31011260010000	Palmer 1 (626403)	6/27/2007	7/28/2007
Springport	Chesapeake Appalachia, L.L.C.	31011260020000	Vaill 1 (624883)	6/26/2007	8/7/2007
Springport	Chesapeake Appalachia, L.L.C.	31011260040000	Schenck 2 (626404)	6/28/2007	8/3/2007
Springport	Chesapeake Appalachia, L.L.C.	31011260060000	Pearce Acres 1 (626400)	7/2/2007	
Chautauqua					
Busti	EnerVest Operating, LLC	31013248010000	Nelson S 2-523	1/29/2007	2/13/2007
Busti	EnerVest Operating, LLC	31013248530000	Ferman 2-527	3/21/2007	5/21/2007
Busti	EnerVest Operating, LLC	31013249760000	Lund 1-544	7/2/2007	7/23/2007
Busti	EnerVest Operating, LLC	31013249800000	Bickel 1-545	7/2/2007	7/30/2007
Busti	Decker, James K. & Tiffany J.	31013250110000	Sperry 7	8/13/2007	8/29/2007
Busti	Decker, James K. & Tiffany J.	31013250120000	Sperry 8	8/13/2007	
Busti	Chautauqua Energy, Inc.	31013251270000	Kidder 1	12/4/2007	7/7/2008

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Chautauqua					
Carroll	EnerVest Operating, LLC	31013247920000	Eckman S 1-520	1/26/2007	2/24/2007
Carroll	EnerVest Operating, LLC	31013247930000	Eckman S 2-521	1/26/2007	2/19/2007
Carroll	U S Energy Development Corp.	31013248080000	Anderson 1	7/11/2007	
Carroll	EnerVest Operating, LLC	31013248540000	McNeil 2-528	4/4/2007	5/7/2007
Carroll	EnerVest Operating, LLC	31013249250000	Eckman 11-175	5/1/2007	7/6/2007
Carroll	EnerVest Operating, LLC	31013249810000	Minor 2-549	7/18/2007	8/6/2007
Carroll	Chautauqua Energy, Inc.	31013250480000	Youngberg 1	10/15/2007	10/31/2007
Charlotte	U S Energy Development Corp.	31013248610000	Green Highlands 5	5/3/2007	7/18/2007
Charlotte	U S Energy Development Corp.	31013248620000	Green Highlands 6	5/3/2007	7/30/2007
Charlotte	U S Energy Development Corp.	31013248630000	Green Highlands 7	5/3/2007	7/6/2007
Charlotte	U S Energy Development Corp.	31013249020000	Green Highlands 8	5/3/2007	8/10/2007
Charlotte	U S Energy Development Corp.	31013251060000	Fisher 1	11/29/2007	2/29/2008
Chautauqua	Stedman Energy, Inc.	31013245480001	Weise 4A	6/29/2007	6/14/2007
Chautauqua	Chautauqua Energy, Inc.	31013247910000	Boy Scouts of America 1	1/18/2007	6/25/2007
Chautauqua	Chautauqua Energy, Inc.	31013250300000	Boy Scouts of America 2	8/9/2007	9/7/2007
Chautauqua	Chautauqua Energy, Inc.	31013250450000	Scott 1	8/22/2007	9/28/2007
Chautauqua	Chautauqua Energy, Inc.	31013250460000	Scott 2	8/22/2007	10/3/2007
Chautauqua	Chautauqua Energy, Inc.	31013250990000	Gleason Hogan Trust 1	11/7/2007	11/8/2007
Chautauqua	Chautauqua Energy, Inc.	31013251240000	Boy Scouts of America 3	11/15/2007	
Cherry Creek	U S Energy Development Corp.	31013248640000	Green Highlands 1	5/3/2007	8/2/2007
Cherry Creek	U S Energy Development Corp.	31013248650000	Green Highlands 2	5/3/2007	8/1/2007
Cherry Creek	U S Energy Development Corp.	31013248660000	Green Highlands 3	5/3/2007	10/4/2007
Cherry Creek	U S Energy Development Corp.	31013248670000	Green Highlands 4	5/3/2007	10/17/2007
Ellicott	EnerVest Operating, LLC	31013248020000	Peterson G 1-519	2/13/2007	6/26/2007
Ellicott	Ellington Energy, Inc.	31013248330000	Knight 1	5/14/2007	
Ellicott	U S Energy Development Corp.	31013249010000	Girl Scout 1	4/24/2007	
Ellicott	U S Energy Development Corp.	31013249010001	Girl Scout 1A	11/16/2007	12/20/2007
Ellicott	Universal Resources Holdings, Inc.	31013249370000	Nelson Unit #2	5/23/2007	6/25/2007
Ellicott	Universal Resources Holdings, Inc.	31013249410000	Bird Dog #2	5/4/2007	7/5/2007
Ellicott	Universal Resources Holdings, Inc.	31013249420000	Bird Dog Unit #3	5/9/2007	7/12/2007
Ellicott	Ellington Energy, Inc.	31013250010000	Rowell 1	7/30/2007	8/13/2007
Ellicott	Universal Resources Holdings, Inc.	31013250020000	Knight 5	7/26/2007	8/3/2007
Ellicott	Universal Resources Holdings, Inc.	31013251020000	Knight 6	11/7/2007	1/15/2008
Ellicott	Universal Resources Holdings, Inc.	31013251080000	Knight 4	11/7/2007	1/21/2008
Gerry	Chautauqua Energy, Inc.	31013248030000	Swanson 1	2/6/2007	2/26/2007
Gerry	Chautauqua Energy, Inc.	31013248040000	King 1	2/6/2007	7/9/2007
Gerry	Universal Resources Holdings, Inc.	31013249500000	Holmquist 7	5/16/2007	7/29/2007
Gerry	Universal Resources Holdings, Inc.	31013249510000	Holmquist #8	5/16/2007	7/25/2007
Gerry	Chautauqua Energy, Inc.	31013250470000	Parker 1	8/22/2007	9/18/2007
Gerry	Chautauqua Energy, Inc.	31013250550000	Parker 2	9/7/2007	9/22/2007
Hanover	U S Energy Development Corp.	31013243800001	Waterhouse 1A	3/27/2007	3/29/2007
Hanover	U S Energy Development Corp.	31013243810001	Waterhouse 2A	3/27/2007	3/29/2007

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Chautauqua					
Hanover	U S Energy Development Corp.	31013246810001	Pfleuger 2A	12/14/2007	12/13/2007
Hanover	U S Energy Development Corp.	31013246820001	Kennedy 1A	12/6/2007	12/5/2007
Hanover	U S Energy Development Corp.	31013246870001	Blakely 2A	12/14/2007	12/28/2007
Hanover	U S Energy Development Corp.	31013246880001	Robinson 1A	12/14/2007	11/29/2007
Hanover	U S Energy Development Corp.	31013247320001	Watrous 2A	12/14/2007	1/17/2008
Hanover	U S Energy Development Corp.	31013247440000	Restivo 1	12/6/2007	2/22/2008
Hanover	U S Energy Development Corp.	31013247760001	Watroba 1A	9/18/2007	9/18/2007
Hanover	U S Energy Development Corp.	31013248210000	Suraf 1	3/13/2007	3/23/2007
Hanover	U S Energy Development Corp.	31013248220000	Sek 1	3/13/2007	3/23/2007
Hanover	U S Energy Development Corp.	31013248230000	Cross 9	3/13/2007	3/26/2007
Hanover	U S Energy Development Corp.	31013248240000	Thompson 1	3/15/2007	3/23/2007
Hanover	U S Energy Development Corp.	31013248250000	Thompson 2	3/15/2007	3/23/2007
Hanover	U S Energy Development Corp.	31013248390000	Thompson 3	3/15/2007	3/26/2007
Hanover	U S Energy Development Corp.	31013248400000	Thompson 4	3/15/2007	3/26/2007
Hanover	U S Energy Development Corp.	31013248410000	Sager 2	3/15/2007	3/23/2007
Hanover	U S Energy Development Corp.	31013248420000	Steiger 4	3/15/2007	3/26/2007
Hanover	U S Energy Development Corp.	31013248680000	Moore 2	5/16/2007	9/24/2007
Hanover	U S Energy Development Corp.	31013248690000	Sonnenkalb 1	8/16/2007	10/5/2007
Hanover	U S Energy Development Corp.	31013249030000	Meadows 1	4/11/2007	
Hanover	U S Energy Development Corp.	31013249030001	Meadows 1A	11/15/2007	11/15/2007
Harmony	EnerVest Operating, LLC	31013247830000	Reardon C 1-223	1/8/2007	2/7/2007
Harmony	EnerVest Operating, LLC	31013248120000	Trisket 1-516	2/13/2007	3/1/2007
Harmony	Chautauqua Energy, Inc.	31013248560000	O'Dell 1	3/19/2007	
Harmony	Chautauqua Energy, Inc.	31013248560001	O'Dell 1A	4/10/2007	7/24/2007
Harmony	Chautauqua Energy, Inc.	31013249200000	Erickson 1	4/4/2007	7/16/2007
Harmony	Nornew, Inc.	31013249740000	Faulkner 1-543	6/22/2007	
Harmony	Nornew, Inc.	31013249750000	Hagey 1-542	6/22/2007	
Kiantone	U S Energy Development Corp.	31013248100000	Gage 3	7/23/2007	
Kiantone	U S Energy Development Corp.	31013248990000	Anderson 2	9/12/2007	11/23/2007
Kiantone	U S Energy Development Corp.	31013249000000	Anderson 3	6/5/2007	11/23/2007
Mina	Eclipse Energy Company, LLC	31013249840000	Bell 2	7/9/2007	9/19/2007
Mina	Eclipse Energy Company, LLC	31013249850000	Greiner 2	7/9/2007	9/20/2007
Mina	Cotton Well Drilling Co., Inc.	31013250670000	Persons 1	9/25/2007	10/12/2007
North Harmony	Resource Energy, LLC	31013247610000	McChesney 6	1/16/2007	2/4/2007
North Harmony	Resource Energy, LLC	31013247620000	McChesney 7	1/16/2007	2/11/2007
North Harmony	Resource Energy, LLC	31013247770000	Fisher 10	1/2/2007	1/30/2007
North Harmony	Resource Energy, LLC	31013249600000	Frye 11	7/13/2007	9/21/2007
North Harmony	Resource Energy, LLC	31013249610000	Hoyt 4	7/13/2007	10/10/2007
North Harmony	Resource Energy, LLC	31013249620000	Nickerson 2	6/20/2007	10/4/2007
North Harmony	Resource Energy, LLC	31013249970000	Kelsey 2	7/3/2007	9/14/2007
North Harmony	Resource Energy, LLC	31013250540000	Nickerson 3	9/5/2007	9/28/2007
Poland	Nornew, Inc.	31013247820000	Stearns 1-511	2/28/2007	

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Chautauqua					
Poland	EnerVest Operating, LLC	31013247840000	Marsh 7-516	2/6/2007	4/2/2007
Poland	EnerVest Operating, LLC	31013248110000	Minor 1-517	2/28/2007	3/26/2007
Poland	EnerVest Operating, LLC	31013248550000	Emerling 1-530	4/4/2007	5/14/2007
Poland	U S Energy Development Corp.	31013248700000	Carlberg 3A	3/26/2007	
Poland	U S Energy Development Corp.	31013248700001	Carlberg 3B	11/16/2007	4/9/2008
Poland	Universal Resources Holdings, Inc.	31013249380000	Carlson Unit #3	6/11/2007	8/19/2007
Poland	Universal Resources Holdings, Inc.	31013249390000	Carlson Unit #5	6/11/2007	8/13/2007
Poland	Universal Resources Holdings, Inc.	31013249400000	Carlson Unit #6	5/23/2007	8/7/2007
Poland	EnerVest Operating, LLC	31013249590000	Marsh 8-532	6/11/2007	7/12/2007
Poland	Universal Resources Holdings, Inc.	31013249790000	G. Swanson 1	6/22/2007	8/25/2007
Poland	EnerVest Operating, LLC	31013249820000	Johnson,M 1-547	6/22/2007	7/17/2007
Poland	EnerVest Operating, LLC	31013250090000	Clark C 1-548	8/1/2007	8/23/2007
Poland	EnerVest Operating, LLC	31013250100000	Frederick A 1-550	8/1/2007	8/13/2007
Poland	EnerVest Operating, LLC	31013250290000	Walker J 1-554	8/9/2007	8/28/2007
Pomfret	U S Energy Development Corp.	31013248720000	Meyers 1	5/16/2007	
Pomfret	U S Energy Development Corp.	31013248720001	Meyers 1A	11/26/2007	
Pomfret	U S Energy Development Corp.	31013249340000	Renswick #2	4/26/2007	
Pomfret	U S Energy Development Corp.	31013249340001	Renswick 2A	12/7/2007	
Pomfret	Eclipse Energy Company, LLC	31013249770000	DeJoe 1	7/13/2007	8/3/2007
Pomfret	Ellington Energy, Inc.	31013250000000	Fredonia State College 1	8/1/2007	8/1/2007
Portland	Ellington Energy, Inc.	31013247940000	Anselmo 1	6/13/2007	7/27/2007
Portland	Ellington Energy, Inc.	31013247950000	Valentine 1	2/2/2007	7/23/2007
Portland	Ellington Energy, Inc.	31013247960000	Lake Erie Baptist Church 1	2/2/2007	
Sheridan	Cotton Well Drilling Co., Inc.	31013246170000	Smith 1	7/16/2007	7/26/2007
Sheridan	Eclipse Energy Company, LLC	31013249780000	Wdowiasz 1	7/6/2007	7/26/2007
Sheridan	U S Energy Development Corp.	31013250930000	Kujawa 1	11/29/2007	2/23/2008
Sheridan	U S Energy Development Corp.	31013250940000	Dudek 2	11/29/2007	2/25/2008
Sheridan	U S Energy Development Corp.	31013250950000	Brown 3	11/29/2007	2/21/2008
Sheridan	U S Energy Development Corp.	31013251280000	Dudek 1	11/29/2007	2/22/2008
Sherman	Cotton Well Drilling Co., Inc.	31013250280000	Firster 2	8/22/2007	9/19/2007
Stockton	U S Energy Development Corp.	31013244840001	Burton 1A	9/14/2007	11/15/2007
Stockton	U S Energy Development Corp.	31013244850001	Burton 2A	9/14/2007	11/9/2007
Stockton	U S Energy Development Corp.	31013244860001	Storer 1A	9/14/2007	10/31/2007
Stockton	U S Energy Development Corp.	31013247810000	Fowler 1	1/12/2007	3/31/2007
Villanova	U S Energy Development Corp.	31013248730000	Waterman 1	5/3/2007	
Villanova	U S Energy Development Corp.	31013248730001	Waterman 1A	12/6/2007	6/4/2008
Villanova	U S Energy Development Corp.	31013250630000	Troutman 1	9/21/2007	2/26/2008
Villanova	U S Energy Development Corp.	31013250640000	Partyka 1	9/21/2007	3/4/2008
Westfield	Chautauqua Energy, Inc.	31013250850000	Habig L 1	10/15/2007	10/22/2007
Chemung					
Baldwin	Chesapeake Appalachia, L.L.C.	31015260580000	Stage 1 (626470)	12/13/2007	1/15/2008
Big Flats	East Resources, Inc.	31015260360000	Rhodes 1	9/27/2007	12/13/2007

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Chemung					
Erin	Chesapeake Appalachia, L.L.C.	31015228990101	Trimber 1-B	7/23/2007	8/20/2007
Erin	Chesapeake Appalachia, L.L.C.	31015229110200	Schmidt 1-B (624537)	6/22/2007	8/19/2007
Erin	Chesapeake Appalachia, L.L.C.	31015260200000	Bartlett 1 (626466)	8/3/2007	8/20/2007
Erin	Chesapeake Appalachia, L.L.C.	31015260290000	Bennett 1 (626471)	8/23/2007	
Erin	Chesapeake Appalachia, L.L.C.	31015260370000	Nowlan 1 (626469)	11/7/2007	11/27/2007
Southport	East Resources, Inc.	31015231140200	Strouse 1-B	4/25/2007	4/29/2007
Southport	Fortuna Energy Inc.	31015231140300	Strouse 1-C	5/16/2007	5/16/2007
Southport	East Resources, Inc.	31015238190100	Strouse 2A	8/17/2007	8/24/2007
Southport	East Resources, Inc.	31015238190200	Strouse 2B	9/5/2007	9/9/2007
Southport	East Resources, Inc.	31015238190300	Strouse 2C	9/14/2007	9/15/2007
Southport	East Resources, Inc.	31015239120001	Pedrick 1	1/9/2007	
Southport	Fortuna Energy Inc.	31015239470000	Gillis 1	1/23/2007	3/1/2007
Southport	East Resources, Inc.	31015239470100	Gillis 1-A	1/23/2007	
Southport	East Resources, Inc.	31015239700000	Burns K 2	4/25/2007	6/1/2007
Southport	East Resources, Inc.	31015239700100	Burns 2-A	7/2/2007	7/7/2007
Southport	East Resources, Inc.	31015260080000	Farmer 1	9/28/2007	10/17/2007
Van Etten	Fortuna Energy Inc.	31015239870000	Cotton-Hanlon 2	6/8/2007	7/19/2007
Veteran	Fortuna Energy Inc.	31015239500000	Winkky 1	2/7/2007	2/22/2007
Chenango					
McDonough	Nornew, Inc.	31017260310000	Urgo 1-540	8/23/2007	11/1/2007
Plymouth	Nornew, Inc.	31017239410000	Wickham 1-380	1/17/2007	5/14/2007
Preston	Nornew, Inc.	31017260490000	Blood 1	10/26/2007	4/16/2008
Smyrna	Nornew, Inc.	31017239640000	Peebles 1-438	6/18/2007	10/22/2007
Smyrna	Nornew, Inc.	31017239660000	Diehl 2-464	3/24/2007	4/25/2007
Smyrna	Nornew, Inc.	31017260180000	Blasi 1-H	8/17/2007	1/23/2008
Smyrna	Nornew, Inc.	31017260220000	Anderson 2H	8/20/2007	11/12/2007
Erie					
Brant	Chautauqua Energy, Inc.	31029251350001	Berns 1A	12/4/2007	12/4/2007
Collins	U S Energy Development Corp.	31029244700001	Appleby 2A	3/20/2007	3/26/2007
Collins	U S Energy Development Corp.	31029246960000	Reding 2	2/12/2007	3/1/2007
Collins	U S Energy Development Corp.	31029248060000	Zynda 1	2/22/2007	3/29/2007
Collins	U S Energy Development Corp.	31029248150000	Zittel 1	2/22/2007	3/21/2007
Collins	U S Energy Development Corp.	31029248430000	Palen 1	3/15/2007	3/26/2007
Collins	U S Energy Development Corp.	31029248510000	Agle 1	3/28/2007	3/29/2007
Collins	U S Energy Development Corp.	31029248520000	Funke 1	3/30/2007	
Collins	U S Energy Development Corp.	31029248760000	Diblasi 4	3/28/2007	3/29/2007
Collins	U S Energy Development Corp.	31029248770000	Gabel 3	3/28/2007	3/29/2007
Collins	U S Energy Development Corp.	31029248780000	Galati 1	3/28/2007	3/29/2007
Collins	U S Energy Development Corp.	31029248790000	Grimm 1	3/30/2007	
Collins	U S Energy Development Corp.	31029248800000	Taylor 8	3/30/2007	
Collins	U S Energy Development Corp.	31029248800001	Taylor 8A	11/15/2007	10/31/2007

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Erie					
Collins	U S Energy Development Corp.	31029248810000	Tharnish 2	3/28/2007	3/27/2007
Collins	U S Energy Development Corp.	31029248820000	Waniak 1	3/30/2007	8/10/2007
Collins	U S Energy Development Corp.	31029249040000	Zynda 2	3/28/2007	3/29/2007
Collins	U S Energy Development Corp.	31029249160000	Agle 2	3/28/2007	3/29/2007
Collins	Pan Energy Company, Inc.	31029249980000	Powenski R 1	7/25/2007	9/14/2007
Collins	U S Energy Development Corp.	31029250720000	Vance 2	10/15/2007	1/10/2008
Collins	U S Energy Development Corp.	31029250730000	Vance 3	10/25/2007	2/12/2008
Collins	U S Energy Development Corp.	31029250960000	Bentley 1	11/27/2007	1/31/2008
Collins	U S Energy Development Corp.	31029251090000	Gawlak 1	11/27/2007	1/7/2008
Collins	U S Energy Development Corp.	31029251100000	Kobiolka 1	11/27/2007	1/14/2008
Collins	U S Energy Development Corp.	31029251120000	Smith 6	11/27/2007	1/17/2008
Collins	U S Energy Development Corp.	31029251150000	Heary 2	12/21/2007	2/19/2008
Collins	U S Energy Development Corp.	31029251160000	Smith 7	11/27/2007	2/20/2008
Concord	U S Energy Development Corp.	31029244730001	Deacon's Alliance 6A	7/2/2007	8/20/2007
Concord	U S Energy Development Corp.	31029248740000	Emerling 1	3/23/2007	3/24/2007
Concord	U S Energy Development Corp.	31029248740001	Emerling 1A	5/2/2007	3/24/2007
Concord	U S Energy Development Corp.	31029248750000	Hartmann 1	3/23/2007	3/24/2007
Concord	U S Energy Development Corp.	31029248860000	Emerling 2	3/23/2007	3/24/2007
Elma	Chautauqua Energy, Inc.	31029251340001	Brooks 1A	12/4/2007	12/10/2007
Newstead	Field Service, Inc.	31029249480000	Stoldt 1	6/5/2007	6/20/2007
Newstead	Field Service, Inc.	31029249490000	Kidder 1	6/5/2007	6/21/2007
Newstead	Subsea Oil & Gas, Inc.	31029250520000	Cheman 1	9/17/2007	10/17/2007
Newstead	Subsea Oil & Gas, Inc.	31029250530000	Cheman 2	9/17/2007	10/25/2007
North Collins	U S Energy Development Corp.	31029246710001	Glodek 1A	8/9/2007	7/17/2007
North Collins	U S Energy Development Corp.	31029248070000	Bayerl 1	2/22/2007	3/22/2007
North Collins	U S Energy Development Corp.	31029248440000	Myers 2	3/26/2007	3/27/2007
North Collins	U S Energy Development Corp.	31029248450000	Werneth 1	3/26/2007	3/27/2007
North Collins	U S Energy Development Corp.	31029248460000	Werneth 2	3/26/2007	3/27/2007
North Collins	U S Energy Development Corp.	31029248470000	Hoffman 5	3/26/2007	3/27/2007
North Collins	U S Energy Development Corp.	31029248830000	Chiacchia 1	3/28/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029248840000	Chiacchia 2	3/28/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029248850000	Gabel 4	3/23/2007	3/24/2007
North Collins	U S Energy Development Corp.	31029249050000	Andolina 1	3/30/2007	
North Collins	U S Energy Development Corp.	31029249050001	Andolina 1A	11/7/2007	10/12/2007
North Collins	U S Energy Development Corp.	31029249060000	Eder 1	3/23/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029249070000	Faulring 1	3/23/2007	3/26/2007
North Collins	U S Energy Development Corp.	31029249080000	Faulring 2	3/23/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029249090000	Gerling 1	3/28/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029249100000	Martin 1	3/30/2007	10/6/2007
North Collins	U S Energy Development Corp.	31029249110000	Pijanowski 1	3/23/2007	3/26/2007
North Collins	U S Energy Development Corp.	31029249120000	Pijanowski 2	5/3/2007	
North Collins	U S Energy Development Corp.	31029249120001	Pijanowski 2A	11/26/2007	12/6/2007

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Erie					
North Collins	U S Energy Development Corp.	31029249130000	Rachwal 1	3/28/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029249140000	Wittmeyer 1	3/28/2007	3/29/2007
North Collins	U S Energy Development Corp.	31029249150000	Wittmeyer 2	5/3/2007	
North Collins	U S Energy Development Corp.	31029249150001	Wittmeyer 2A	11/26/2007	12/12/2007
North Collins	Pan Energy Company, Inc.	31029249260000	Farner 2	3/30/2007	3/31/2007
North Collins	U S Energy Development Corp.	31029250570000	Bayerl 2	10/25/2007	11/23/2007
North Collins	U S Energy Development Corp.	31029250580000	Langford/New Oregon Vol Fire Co 1	9/19/2007	2/21/2008
North Collins	U S Energy Development Corp.	31029250590000	Schmitz 1	9/19/2007	2/12/2008
North Collins	U S Energy Development Corp.	31029250600000	Winterhaven 1	9/19/2007	1/22/2008
North Collins	U S Energy Development Corp.	31029250690000	Minekine 1	10/25/2007	12/21/2007
North Collins	U S Energy Development Corp.	31029250700000	Minekine 2	10/25/2007	12/28/2007
North Collins	U S Energy Development Corp.	31029250710000	Minekine 3	10/25/2007	12/28/2007
North Collins	U S Energy Development Corp.	31029251290000	Cichocki 1	11/27/2007	1/22/2008
North Collins	U S Energy Development Corp.	31029251300000	Fox 1	12/13/2007	2/20/2008
North Collins	U S Energy Development Corp.	31029251310000	Fox 2	12/13/2007	2/19/2008
North Collins	U S Energy Development Corp.	31029251320000	Stuhmiller 1	12/13/2007	2/20/2008
North Collins	U S Energy Development Corp.	31029251450000	English 1	12/14/2007	2/19/2008
North Collins	U S Energy Development Corp.	31029251460000	Ptak 1	12/21/2007	3/28/2008
Sardinia	Stedman Energy, Inc.	31029247890000	Kuntz 1	1/31/2007	5/12/2007
Sardinia	Ardent Resources, Inc.	31029249240000	Pilkington 1	5/9/2007	10/22/2007
Sardinia	Ardent Resources, Inc.	31029249350000	Krohn Unit 1	6/27/2007	12/2/2007
Sardinia	Ardent Resources, Inc.	31029250050000	Porter 1	9/17/2007	12/17/2007
Sardinia	Ardent Resources, Inc.	31029250080000	Spencer 1	9/17/2007	
Genesee					
Alexander	United States Gypsum Co.	31037239800000	Plewa 2	4/7/2007	5/11/2007
Darien	United States Gypsum Co.	31037239430000	Konfederath 1	1/4/2007	5/14/2007
Darien	United States Gypsum Co.	31037239440000	Gordon 2	5/11/2007	5/29/2007
Darien	New York Gas & Oil Co, Inc.	31037239610000	Thering 1	3/7/2007	3/30/2007
Darien	New York Gas & Oil Co, Inc.	31037239620000	Thering 2	3/7/2007	3/21/2007
Darien	United States Gypsum Co.	31037239890000	Potoczak 1	7/20/2007	10/15/2007
Darien	New York Gas & Oil Co, Inc.	31037239910000	Cotton 1	5/25/2007	8/14/2007
Darien	New York Gas & Oil Co, Inc.	31037239920000	Fix 1	5/25/2007	8/14/2007
Darien	New York Gas & Oil Co, Inc.	31037239930000	Fix 2	9/13/2007	10/9/2007
Darien	New York Gas & Oil Co, Inc.	31037239940000	Fix 3	9/13/2007	10/31/2007
Darien	United States Gypsum Co.	31037239990000	Knauber, F. 1	6/12/2007	7/3/2007
Darien	United States Gypsum Co.	31037240000000	Grant, J&A 1	6/12/2007	7/2/2007
Darien	United States Gypsum Co.	31037260100000	Froebel, F. 1	7/10/2007	8/21/2007
Darien	United States Gypsum Co.	31037260210000	Burkhardt, J. 3	7/26/2007	8/27/2007
Darien	Alden Aurora Gas Co., Inc.	31037260460000	Zoladz 1	10/31/2007	11/18/2007
Darien	Alden Aurora Gas Co., Inc.	31037260470000	Cardone 1	10/31/2007	12/11/2007
Darien	Alden Aurora Gas Co., Inc.	31037260480000	Cardone 2	10/31/2007	12/19/2007
Oakfield	United States Gypsum Co.	31037239900000	Fee 3	7/20/2007	9/26/2007

Permits Issued During 2007

Town	Company	API Number	Well Name	Issue Date	Spud Date
Genesee					
Pembroke	United States Gypsum Co.	31037239810000	Stringham, R & D 1	4/6/2007	5/18/2007
Pembroke	Subsea Oil & Gas, Inc.	31037260300000	Perry 1	8/13/2007	9/15/2007
Madison					
Eaton	Nornew, Inc.	31053260440000	Hillage 2H	10/26/2007	3/30/2008
Lebanon	Nornew, Inc.	31053239000000	Symonds 2-421	3/12/2007	3/24/2007
Lebanon	Nornew, Inc.	31053239400000	Keller 1-360	1/17/2007	5/30/2007
Lebanon	Nornew, Inc.	31053239650000	Lane 3-363	3/12/2007	6/16/2007
Lebanon	Nornew, Inc.	31053260230000	South Jamestown 2H	8/3/2007	11/16/2007
New York					
Manhattan	General Theological Seminary	31061236980000	Geothermal 1	7/27/2007	10/12/2007
Manhattan	General Theological Seminary	31061237020000	Geothermal 5	7/27/2007	9/14/2007
Manhattan	General Theological Seminary	31061237030000	Geothermal 6	7/27/2007	9/10/2007
Manhattan	General Theological Seminary	31061237040000	Geothermal 7	7/27/2007	
Manhattan	General Theological Seminary	31061237050000	Geothermal 8	7/27/2007	
Manhattan	General Theological Seminary	31061237060000	Geothermal 9	7/27/2007	
Manhattan	General Theological Seminary	31061237070000	Geothermal 10	7/27/2007	
Manhattan	General Theological Seminary	31061237080000	Geothermal 11	7/27/2007	
Manhattan	General Theological Seminary	31061237090000	Geothermal 12	7/27/2007	
Manhattan	General Theological Seminary	31061237100000	Geothermal 13	7/27/2007	
Manhattan	General Theological Seminary	31061237110000	Geothermal 14	7/27/2007	
Manhattan	General Theological Seminary	31061237160000	Geothermal 19	7/27/2007	10/5/2007
Manhattan	General Theological Seminary	31061237170000	Geothermal 20	7/27/2007	9/24/2007
Manhattan	General Theological Seminary	31061237180000	Geothermal 21	7/27/2007	8/27/2007
Manhattan	General Theological Seminary	31061237190000	Geothermal 22	7/27/2007	8/14/2007
Manhattan	Battery Park City Authority	31061237210001	SCW-1A	11/26/2007	
Manhattan	Battery Park City Authority	31061237230001	SCW-2A	11/26/2007	2/27/2008
Manhattan	Battery Park City Authority	31061237250001	SCW-3A	11/26/2007	2/21/2008
Manhattan	Terrapin Industries, LLC	31061237260000	Valhalla 1	1/11/2007	2/27/2007
Manhattan	Terrapin Industries, LLC	31061237270000	Valhalla 2	1/11/2007	3/12/2007
Manhattan	250 Bowery Project, LLC	31061237280000	Geothermal 1	8/20/2007	
Manhattan	250 Bowery Project, LLC	31061237290000	Geothermal 2	8/20/2007	
Manhattan	250 Bowery Project, LLC	31061237300000	Geothermal 3	8/20/2007	
Manhattan	250 Bowery Project, LLC	31061237310000	Geothermal 4	8/20/2007	
Manhattan	471 Washington Street Partners	31061237560000	W-1	3/12/2007	
Manhattan	471 Washington Street Partners	31061237570000	W-2	3/12/2007	
Manhattan	471 Washington Street Partners	31061237580000	W-3	3/12/2007	
Manhattan	166 East 73rd Street, LLC	31061237610000	Carriage House 1	8/29/2007	9/19/2007
Ontario					
Phelps	Great Lakes Energy Partners	31069260160000	Day Brothers Unit 1	9/18/2007	
Otsego					
Cherry Valley	Covalent Energy Corporation	31077237600000	Shekells 1	6/1/2007	7/31/2007

Permits Issued During 2007

Town	Company	API Number	Well Name	Issue Date	Spud Date
Otsego					
Springfield	Covalent Energy Corporation	31077237590000	Pullis 1	6/1/2007	7/10/2007
Schuyler					
Dix	EOG Resources, Inc	31097239490000	WGI 11	1/25/2007	4/9/2007
Orange	Fortuna Energy Inc.	31097260170000	Schuyler SRA 1	10/29/2007	11/14/2007
Reading	US Salt LLC	31097239690000	Well 62	3/26/2007	4/16/2007
Seneca					
Fayette	Chesapeake Appalachia, L.L.C.	31099238780000	Martin 1	1/25/2007	2/7/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239390000	Robson 1 (626018)	8/3/2007	10/22/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239520000	Martin 2 (626281)	2/15/2007	8/12/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239540000	Kime 1 (626284)	2/22/2007	8/19/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239550000	Martin 4 (626326)	8/23/2007	8/23/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239630000	Zimmerman 1 (626277)	3/5/2007	9/4/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239730000	Kime 2 (626285)	10/1/2007	10/8/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239740000	Kime 3 (626286)	10/1/2007	10/13/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239750000	Kime 5 (626288)	10/1/2007	10/18/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239760000	Nolt 1 (626278)	3/28/2007	9/12/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239780000	Martin 3 (626283)	10/1/2007	10/4/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099239790000	Lott 1 (626276)	10/23/2007	10/24/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099260030000	Hartman 3 (626396)	6/28/2007	9/8/2007
Fayette	Chesapeake Appalachia, L.L.C.	31099260540000	Sorensen 1 (626280)	11/2/2007	4/9/2008
Junius	Great Lakes Energy Partners	31099260120000	Bailey Unit 1	8/7/2007	
Tyre	Great Lakes Energy Partners	31099231740001	Patsos 1	4/10/2007	4/10/2007
Varick	Chesapeake Appalachia, L.L.C.	31099239770000	Case 2 (626332)	3/28/2007	8/28/2007
Varick	Chesapeake Appalachia, L.L.C.	31099260410000	Case 1 (626328)	9/26/2007	10/29/2007
Varick	Chesapeake Appalachia, L.L.C.	31099260420000	Swartley 2 (626331)	9/26/2007	10/28/2007
Steuben					
Bath	Fortuna Energy Inc.	31101260430000	Rush 1	10/26/2007	3/3/2008
Campbell	Fortuna Energy Inc.	31101260110000	Austin D. 1	9/18/2007	9/25/2007
Caton	East Resources, Inc.	31101229630300	Maxwell 1-C	6/13/2007	7/24/2007
Caton	Fortuna Energy Inc.	31101239510000	MacNaughton 1	2/23/2007	3/14/2007
Caton	East Resources, Inc.	31101239510100	MacNaughton 1-A	2/23/2007	
Caton	East Resources, Inc.	31101260190000	Watkins 1	8/27/2007	10/7/2007
Caton	East Resources, Inc.	31101260190100	Watkins 1A	11/2/2007	11/3/2007
Caton	East Resources, Inc.	31101260530000	Walters 1	11/2/2007	
Caton	East Resources, Inc.	31101260610000	Clark 1	12/24/2007	1/15/2008
Thurston	Fortuna Energy Inc.	31101239850000	Drumm J. 1	4/27/2007	5/9/2007
Thurston	Fortuna Energy Inc.	31101239850100	Drumm J. 1A	7/2/2007	7/3/2007
Troupsburg	PetroEdge Resources (WV) LLC	31101260090000	Cook 1	7/17/2007	7/30/2007
Troupsburg	PetroEdge Resources (WV) LLC	31101260090001	Cook 1	10/11/2007	2/25/2008
Troupsburg	PetroEdge Resources (WV) LLC	31101260140000	Carpenter 1	7/30/2007	8/8/2007
Tuscarora	EOG Resources, Inc	31101239570000	Santell 1	3/19/2007	

Permits Issued During 2007

Town	Company	API Number	Well Name	Issue Date	Spud Date
Steuben					
Tuscarora	EOG Resources, Inc	31101239580000	Santell 2	3/19/2007	
Tuscarora	EOG Resources, Inc	31101239590000	Vallancourt 1	3/19/2007	
Tuscarora	EOG Resources, Inc	31101239600000	Hardy 1	3/19/2007	
Tuscarora	EOG Resources, Inc	31101239670000	Housel 1	3/26/2007	
Tuscarora	EOG Resources, Inc	31101239680000	Housel 2	3/26/2007	6/27/2007
Urbana	Eastern American Energy Corp.	31101231510101	McDaniels 1-A	11/16/2007	3/7/2008
West Union	Yahn & Yahn Inc.	31101239710000	Schultz 12A	4/11/2007	5/16/2007
West Union	Nathan Petroleum Corp.	31101239830000	Edwards Line 10	4/26/2007	5/23/2007
West Union	Yahn & Yahn Inc.	31101260510000	Schultz 4A	10/26/2007	2/5/2008
West Union	Yahn & Yahn Inc.	31101260520000	Edlind 14	10/19/2007	1/28/2008
Woodhull	PetroEdge Resources (WV) LLC	31101260150000	Zinck 1	7/26/2007	8/16/2007
Woodhull	PetroEdge Resources (WV) LLC	31101260150001	Zinck 1	10/11/2007	8/16/2007
Tioga					
Barton	Fortuna Energy Inc.	31107238830100	Shipman 1-A	2/2/2007	2/2/2007
Barton	Fortuna Energy Inc.	31107239880000	Salo 1	5/24/2007	6/7/2007
Barton	Fortuna Energy Inc.	31107239960000	Borst 1	6/25/2007	6/28/2007
Candor	Fortuna Energy Inc.	31107239450000	Condens M 1	1/10/2007	2/12/2007
Owego	PetroEdge Resources (WV) LLC	31107260340000	Banas 1	9/21/2007	
Spencer	Fortuna Energy Inc.	31107238550100	Winter G 1A	8/28/2007	9/22/2007
Spencer	Fortuna Energy Inc.	31107260130000	AA Dairy 1	7/26/2007	8/14/2007
Spencer	Fortuna Energy Inc.	31107260130001	AA Dairy 1	10/1/2007	9/2/2007
Spencer	Fortuna Energy Inc.	31107260130100	AA Dairy 1-A	10/1/2007	10/5/2007
Tompkins					
Lansing	Ansbro Petroleum Company LLC	31109239460000	Willet Dairy 1	3/26/2007	
Lansing	Ansbro Petroleum Company LLC	31109239480000	Hardie D 1	3/8/2007	
Lansing	Anschutz Exploration Corporation	31109260390000	Barron 1	9/20/2007	11/24/2007
Lansing	Anschutz Exploration Corporation	31109260560000	Lansing T 1	12/3/2007	1/5/2008
Lansing	Anschutz Exploration Corporation	31109260590000	Turek 1	12/17/2007	
Westchester					
Greenburgh	422 Warburton, LLC	31119237620000	Bob Lee W1	9/19/2007	3/3/2008
Greenburgh	422 Warburton, LLC	31119237630000	Bob Lee W2	9/19/2007	3/12/2008
Wyoming					
Covington	Lenape Resources, Inc.	31121250160000	Collins Unit 2, 1-428	12/12/2007	
Covington	Lenape Resources, Inc.	31121250170000	Clark Unit 3, 1-426	8/21/2007	
Covington	Lenape Resources, Inc.	31121250180000	Clark Unit 2, 1-425	8/21/2007	
Covington	Lenape Resources, Inc.	31121250190000	King Unit 1, 1-424	12/6/2007	
Covington	Lenape Resources, Inc.	31121250200000	Jeffres & Sons Unit 1, 1-438	9/6/2007	
Covington	Lenape Resources, Inc.	31121250210000	Jeffres Farms Unit 1, 1-435	9/6/2007	
Covington	Lenape Resources, Inc.	31121250220000	Jeffres Farms Unit 2, 1-436	9/6/2007	
Covington	Lenape Resources, Inc.	31121250270000	Jeffres Farms Unit 3, 1-437	8/21/2007	
Covington	Lenape Resources, Inc.	31121251490000	Langdon M 1-430	12/12/2007	

Permits Issued During 2007

Town	Company	API Number	Well Name	Issue Date	Spud Date
Wyoming					
Middlebury	Texas Brine Company, LLC	31121248260000	Texas Brine Company, LLC 64	3/27/2007	9/4/2007
Middlebury	Texas Brine Company, LLC	31121248270000	Texas Brine Company, LLC 65	3/27/2007	8/27/2007
Middlebury	Texas Brine Company, LLC	31121248280000	Texas Brine Company, LLC 66	3/27/2007	8/14/2007
Middlebury	Texas Brine Company, LLC	31121248290000	Texas Brine Company, LLC 71	3/27/2007	9/13/2007
Middlebury	Texas Brine Company, LLC	31121248300000	Texas Brine Company, LLC 72	3/27/2007	7/24/2007
Middlebury	Texas Brine Company, LLC	31121248310000	Texas Brine Company, LLC 74	3/27/2007	7/17/2007
Middlebury	Texas Brine Company, LLC	31121248320000	Texas Brine Company, LLC 103	3/27/2007	7/27/2007
Middlebury	Occidental Chemical Corp	31121248340000	Hooker 137	3/27/2007	5/7/2007
Middlebury	Occidental Chemical Corp	31121248350000	Hooker 160	3/27/2007	5/16/2007
Middlebury	Occidental Chemical Corp	31121248360000	Hooker 161	3/27/2007	5/25/2007
Middlebury	Occidental Chemical Corp	31121248370000	Hooker 162	3/27/2007	6/10/2007
Middlebury	Occidental Chemical Corp	31121248380000	Hooker 170	3/27/2007	4/23/2007
Perry	Lenape Resources, Inc.	31121250250000	Bow Hill Farms Unit 5, 1-432	8/22/2007	
Yates					
Milo	Chesapeake Appalachia, L.L.C.	31123231360101	Zimmerman 1-B (624008)	5/17/2007	6/7/2007

Drilled Wildcats and Field Extensions, 2007

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Cattaraugus County								
Yorkshire	Stedman Energy, Inc.	31009247900000	Weaver 1	6,334	6/13/2007	GW	New Field Wildcat	Theresa
Cayuga County								
Genoa	Anschutz Exploration Corporation	31011238400100	Patchen 1A	6,316	4/27/2007	GW	New Field Wildcat	Black River
Genoa	Ansbros Petroleum Company LLC	31011238400200	Patchen 1B	6,656	5/20/2007	GW	New Field Wildcat	Black River
Genoa	Anschutz Exploration Corporation	31011239820001	Elkendale Farms 1	6,272	6/25/2007	GW	New Field Wildcat	Black River
Ledyard	Chesapeake Appalachia, L.L.C.	31011260240000	Lacey 1 (626597)	3,600	10/15/2007	GW	New Field Wildcat	Queenston
Ledyard	Chesapeake Appalachia, L.L.C.	31011260250000	Bouley 1 (626594)	2,905	10/22/2007	GW	New Field Wildcat	Queenston
Ledyard	Chesapeake Appalachia, L.L.C.	31011260260000	Grady 1 (626596)	2,956	9/28/2007	GW	New Field Wildcat	Queenston
Ledyard	Chesapeake Appalachia, L.L.C.	31011260270000	Willreese Co. 1 (626599)	3,650	10/9/2007	GW	New Field Wildcat	Queenston
Ledyard	Chesapeake Appalachia, L.L.C.	31011260280000	Minnoe 1 (626595)	2,965	10/3/2007	GW	New Field Wildcat	Queenston
Chemung County								
Erin	Chesapeake Appalachia, L.L.C.	31015228990101	Trimber 1-B	3,900	8/20/2007	GW	Not Applicable	Marcellus
Erin	Chesapeake Appalachia, L.L.C.	31015229110200	Schmidt 1-B (624537)	9,997	9/18/2007	GE	Langdon Hill	Black River
Erin	Chesapeake Appalachia, L.L.C.	31015260200000	Bartlett 1 (626466)	10,206	10/11/2007	GE	Langdon Hill	Black River
Southport	East Resources, Inc.	31015231140200	Strouse 1-B	11,359	5/13/2007	GW	New Field Wildcat	Black River
Southport	Fortuna Energy Inc.	31015231140300	Strouse 1-C	11,340	5/22/2007	GW	Steege Hill	Black River
Southport	East Resources, Inc.	31015238190100	Strouse 2A	11,330	9/7/2007	GE	Laurel Run	Black River
Southport	East Resources, Inc.	31015238190200	Strouse 2B	8,750	9/12/2007	GE	Laurel Run	Black River
Southport	East Resources, Inc.	31015238190300	Strouse 2C	11,336	9/27/2007	GE	Laurel Run	Black River
Southport	Fortuna Energy Inc.	31015239470000	Gillis 1	11,006	3/21/2007	GW	Steege Hill	Black River
Southport	East Resources, Inc.	31015260080000	Farmer 1	10,433	12/13/2007	GW	New Field Wildcat	Black River
Van Etten	Fortuna Energy Inc.	31015239250000	Pietilla, R 1	9,285	1/22/2007	GW	McDuffy Hollow	Black River
Van Etten	Fortuna Energy Inc.	31015239280000	Lucas 1	9,433	3/20/2007	GW	Hulbert Hollow	Black River

Drilled Wildcats and Field Extensions, 2007

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Chemung County								
Van Etten	Fortuna Energy Inc.	31015239870000	Cotton-Hanlon 2	10,175	8/25/2007	GW	Cramer Hollow	Black River
Veteran	Fortuna Energy Inc.	31015239130000	DiFasi 1	9,426	2/11/2007	GW	New Field Wildcat	Black River
Veteran	Fortuna Energy Inc.	31015239500000	Winkky 1	9,218	6/2/2007	GW	New Field Wildcat	Black River
Chenango County								
McDonough	Nornew, Inc.	31017260310000	Urgo 1-540	5,465	11/12/2007	GW	New Field Wildcat	Oneida
McDonough	Nornew, Inc.	31017260310001	Urgo 1-540	4,950	11/12/2007	GW	New Field Wildcat	Herkimer
Plymouth	Nornew, Inc.	31017239410000	Wickham 1-380	4,562	5/24/2007	GE	Beaver Meadow	Oneida
Smyrna	Nornew, Inc.	31017239640000	Peebles 1-438	3,481	12/15/2007	GE	Hawley Brook Field	Herkimer
Erie County								
Concord	U S Energy Development Corp.	31029248740001	Emerling 1A	4,390	5/12/2007	GW	New Field Wildcat	Utica
Sardinia	Stedman Energy, Inc.	31029247890000	Kuntz 1	6,130	9/18/2007	GW	New Field Wildcat	Theresa
Sardinia	Ardent Resources, Inc.	31029249240000	Pilkington 1	6,216	11/29/2007	GW	New Field Wildcat	Theresa
Sardinia	Ardent Resources, Inc.	31029249350000	Krohn Unit 1	6,037	12/15/2007	GW	New Field Wildcat	Theresa
Sardinia	Ardent Resources, Inc.	31029250050000	Porter 1	6,307	12/30/2007	GW	New Field Wildcat	Theresa
Madison County								
Lebanon	Nornew, Inc.	31053239400000	Keller 1-360	3,458	6/14/2007	GE	Bradley Brook	Oneida-Oswego
Onondaga County								
Marcellus	Chesapeake Appalachia, L.L.C.	31067238680000	Richards Farms 1	2,837	2/11/2007	GW	New Field Wildcat	Queenston
Otsego County								
Cherry Valley	Covalent Energy Corporation	31077237600000	Sheckells 1	2,950	8/4/2007	GW	Not Applicable	Trenton
Springfield	Covalent Energy Corporation	31077237590000	Pullis 1	2,605	7/24/2007	GW	Not Applicable	Trenton
Schuyler County								
Dix	EOG Resources, Inc	31097239300000	WGI 10	2,623	6/22/2007	GW	New Field Wildcat	Marcellus
Dix	EOG Resources, Inc	31097239490000	WGI 11	2,693	6/11/2007	GW	New Field Wildcat	Marcellus

Drilled Wildcats and Field Extensions, 2007

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Schuyler County								
Hector	Chesapeake Appalachia, L.L.C.	31097227540001	Gunning 1 (623502)	0	1/18/2007	GW	New Field Wildcat	Queenston
Hector	Chesapeake Appalachia, L.L.C.	31097227930001	Cook 1 (623810)	4,537	3/16/2007	GW	New Field Wildcat	Queenston
Orange	Fortuna Energy Inc.	31097260170000	Schuyler SRA 1	9,546	12/23/2007	GE	Sexton Hollow	Black River
Reading	EOG Resources, Inc	31097239310000	Kopp 2	2,100	4/22/2007	GE	New Field Wildcat	Marcellus
Tyrone	Chesapeake Appalachia, L.L.C.	31097227990001	Rumsey 1 (623838)	4,620	4/27/2007	GW	New Field Wildcat	Queenston
Steuben County								
Caton	East Resources, Inc.	31101229630300	Maxwell 1-C	11,178	8/16/2007	GE	Caton	Black River
Caton	Fortuna Energy Inc.	31101239210000	Michaloski 1	11,086	2/14/2007	GE	Caton	Black River
Caton	Fortuna Energy Inc.	31101239510000	MacNaughton 1	11,269	4/21/2007	GW	John Hill	Black River
Caton	East Resources, Inc.	31101260190000	Watkins 1	10,912	11/2/2007	GW	New Field Wildcat	Black River
Caton	East Resources, Inc.	31101260190100	Watkins 1A	10,882	11/10/2007	GW	New Field Wildcat	Black River
Thurston	Fortuna Energy Inc.	31101239850000	Drumm J. 1	9,296	6/30/2007	GW	New Field Wildcat	Black River
Thurston	Fortuna Energy Inc.	31101239850100	Drumm J. 1A	9,385	7/12/2007	GW	Green Hill	Black River
Troupsburg	Quest Eastern Resource	31101260090000	Cook 1	4,911	8/6/2007	GW	Card School	Oriskany
Troupsburg	Quest Eastern Resource	31101260140000	Carpenter 1	4,841	8/14/2007	GW	New Field Wildcat	Oriskany
Troupsburg	Quest Eastern Resource	31101260140001	Carpenter 1	4,841	8/14/2007	GW	New Field Wildcat	Marcellus
Tuscarora	EOG Resources, Inc	31101239680000	Housel 2	4,780	7/7/2007	GW	New Field Wildcat	Marcellus
Woodhull	Quest Eastern Resource	31101260150000	Zinck 1	4,833	8/21/2007	GW	New Field Wildcat	Oriskany
Woodhull	Quest Eastern Resource	31101260150001	Zinck 1	4,826	8/21/2007	GW	New Field Wildcat	Marcellus
Tioga County								
Barton	Fortuna Energy Inc.	31107238830000	Shipman 1	10,732	1/27/2007	GW	New Field Wildcat	Black River
Barton	Fortuna Energy Inc.	31107238830100	Shipman 1-A	10,716	2/23/2007	GW	New Field Wildcat	Black River
Barton	Fortuna Energy Inc.	31107239880000	Salo 1	10,077	7/26/2007	GW	New Field Wildcat	Black River
Barton	Fortuna Energy Inc.	31107239960000	Borst 1	10,196	9/16/2007	GW	New Field Wildcat	Black River

Drilled Wildcats and Field Extensions, 2007

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
Tioga County								
Candor	Fortuna Energy Inc.	31107239450000	Condens M 1	9,766	3/30/2007	GW	New Field Wildcat	Black River
Spencer	Fortuna Energy Inc.	31107238550100	Winter G 1A	9,807	11/20/2007	GW	Halsey Valley	Black River
Spencer	Fortuna Energy Inc.	31107238800000	Janiak 1	9,282	5/21/2007	GW	New Field Wildcat	Black River
Spencer	Fortuna Energy Inc.	31107239270000	Beach 1	9,791	4/27/2007	GE	Darling Creek	Black River
Spencer	Fortuna Energy Inc.	31107260130000	AA Dairy 1	9,425	10/3/2007	GW	New Field Wildcat	Black River
Spencer	Fortuna Energy Inc.	31107260130001	AA Dairy 1	9,192	10/3/2007	GW	New Field Wildcat	Black River
Spencer	Fortuna Energy Inc.	31107260130100	AA Dairy 1-A	9,192	10/3/2007	GW	New Field Wildcat	Black River
Tompkins County								
Lansing	Anschutz Exploration Corporation	31109260390000	Barron 1	6,645	12/5/2007	GW	New Field Wildcat	Black River
Ulysses	Chesapeake Appalachia, L.L.C.	31109227670001	Duddleston 1 (623514)	4,410	4/2/2007	GW	New Field Wildcat	Queenston
Wayne County								
Butler	Lenape Resources, Inc.	31117230180000	K. High 1	3,700	5/1/2007	GW	Not Applicable	Trenton
Yates County								
Milo	Chesapeake Appalachia, L.L.C.	31123231360101	Zimmerman 1-B (624008)	3,950	6/7/2007	GW	New Field Wildcat	Queenston
Starkey	Chesapeake Appalachia, L.L.C.	31123229410102	Boudinot 1-A (623968)	4,030	5/4/2007	GW	New Field Wildcat	Queenston

**New York State
Oil, Gas and Mineral Resources
2007**

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.ny.gov



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Mined Land Permits Issued During 2007¹ A-1

Mine Commodities 2007 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 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Albany						
Colonie	King Road Materials	40506	Cordell Road Sand Pit	2/5/2007	Renewal	8.4
Allegany						
Angelica	Angelica, Town of	90425	Angelica Creek East Bars	11/2/2007	Renewal	3.0
Angelica	Angelica, Town of	90675	Closser Avenue/Angelica Creek Bars	11/2/2007	Renewal	3.0
Angelica	Angelica, Town of	90724	Gosper Gravel Pit	7/30/2007	Modification	2.0
Burns	Spencer, Andrew	90308	A Spencer Gravel Pit	1/19/2007	Renewal	11.0
Clarksville	Rondor Construction Products Inc	90194	Wolf Creek Rondor Pit	11/29/2007	Renewal	6.0
Hume	Hinz, Bruce	90944	Hinz Gravel Mine	3/6/2007	Modification	3.5
New Hudson	A L Blades & Sons Inc	90973	Troyer Pit	3/27/2007	New	9.1
Scio	Junebug Holdings LLC	90121	Brest Pit	12/3/2007	Renewal	19.0
Scio	Potter, John L.	90620	Jopo Pit	5/2/2007	Renewal	5.0
Broome						
Colesville	A & G Associates	70678	Dyer Flat Mine	11/19/2007	Modification	24.0
Colesville	Colesville, Town of	70823	Colesville Gravel Mine	5/27/2007	Renewal	13.0
Fenton	Burton F Clark Inc	70140	Bert E Hale Gravel Mine	3/9/2007	Renewal	31.0
Fenton	Burton F Clark Inc	70454	Gorick Rte 369 Mine	6/19/2007	Renewal	23.0
Windsor	Balducci Bluestone LLC	70890	Anne Road Quarry	6/13/2007	Modification	8.0
Windsor	Coleman, Robert A	70815	Hawkins Pond Quarry	1/18/2007	Renewal	10.0
Windsor	Springsteen, Roland	70346	Mark Springsteen Mine - Fordway Roa	10/15/2007	Renewal	16.0
Windsor	Windsor, Town of - Highway Dept	70117	Town Of Windsor Gravel Pit	2/6/2007	Modification	16.0
Cattaraugus						
Allegany	Giardini Brothers Construction Inc	90164	Rehler Pit	4/6/2007	Renewal	14.0
Allegany	Kinley Corp. Db a Kinley Sand & G	90557	Kinley Sand And Gravel	10/22/2007	Renewal	28.0
Carrollton	Cold Spring Construction Co	90362	Giardini Borrow Pit	5/18/2007	Renewal	26.0
Dayton	Mecca Farms	90747	Wolf Road Pit	7/3/2007	Renewal	3.0
Dayton	Smith, Mark & Laurel	90584	Cottage Lime And Peat	3/6/2007	Renewal	5.0
Ellicottville	Holmes & Murphy Inc	90282	C.H. Gravel Pit	9/30/2007	Renewal	2.5
Farmersville	Lafarge North America Inc	90606	Peterson Gravel Mine	10/23/2007	Renewal	6.0
Farmersville	Perkins, Roderick L	90134	Perkins Mine	8/28/2007	Renewal	2.8
Freedom	Gernatt Asphalt Products Inc	90367	Maple Grove Road Deposit	6/26/2007	Renewal	14.0
Freedom	Gernatt Asphalt Products Inc	90465	Borer Property	6/26/2007	Renewal	97.0
Great Valley	Gernatt Asphalt Products Inc	90001	Northrup Pit	1/8/2007	Renewal	20.5

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Cattaraugus						
Great Valley	Gernatt Asphalt Products Inc	90248	Bedrock Gravel Pit	6/26/2007	Renewal	120.0
Great Valley	Great Valley, Town of	90091	Great Valley Gravel Pit	5/17/2007	Renewal	5.0
Leon	Country Side Sand & Gravel Inc	90566	Garvey Gravel Pit	10/23/2007	Renewal	5.0
Machias	Boehmer Gravel Products	90178	Machias Gravel Pit	11/5/2007	Renewal	34.2
Machias	Buffalo Crushed Stone Inc	90049	Franklinville Sand And Gravel Plant	5/2/2007	Renewal	165.0
Machias	Cattaraugus County DPW	90898	Machias Deposit	8/28/2007	Renewal	5.6
Perrysburg	Perrysburg, Town of	90653	Takacs Pit	2/13/2007	Renewal	4.0
Persia	Gernatt Asphalt Products Inc	90382	Gowanda Deposit	11/5/2007	Renewal	5.5
Portville	I A Construction Corp	90120	Portville Sand And Gravel	8/30/2007	Renewal	123.7
Yorkshire	D & H Materials Inc	90666	McKinstry Pit	12/21/2007	Renewal	10.8
Yorkshire	Redland Quarries NY Inc	90577	Delevan Sand And Gravel Mine	10/23/2007	Renewal	11.0
Cayuga						
Genoa	Worsell, Donald G	70715	Blakley Road Mine - Blakley Road	11/26/2007	Modification	23.7
Locke	Lewbro Ready Mix Inc	70432	Lewbro Mine #1 - NYS Route 38	2/26/2007	Renewal	46.0
Moravia	Binns, Bradley S.	70322	Moravia Mine - Route 38 A	6/13/2007	Modification	15.0
Sennett	Perry, Grant L	70712	Rolling Hills Pond Sand And Gravel Ba	2/20/2007	Renewal	11.9
Sennett	Syracuse Sand & Gravel LLC	70636	East Side Pit - NYS Route 20	6/19/2007	Renewal	21.0
Chautauqua						
Chautauqua	L W Parker Enterprises Inc	90378	Perry Site	8/28/2007	Renewal	5.7
Cherry Creek	Cherry Creek, Town of	90249	Town Of Cherry Creek Mine	2/15/2007	Modification	10.0
Dunkirk	Country Side Sand & Gravel Inc	90661	Bull Property	6/26/2007	Renewal	6.0
Ellington	Clear Creek Gravel Products	90399	Clear Creek Gravel Mine	12/18/2007	Modification	5.0
Ellington	S. St. George Enterprises, Inc.	90413	Rhinehart Pit	3/13/2007	Modification	45.0
French Creek	Wassink, Randy	90492	Rajaw Gravel Mine	10/23/2007	Renewal	7.0
Gerry	Tri-James Services Inc	90975	Newton Gravel Mine	5/8/2007	New	4.0
Kiantone	Kingsview Enterprises Inc	90128	Riverside Gravel Pit	10/22/2007	Renewal	21.0
Kiantone	Tri-James Services Inc	90112	Kiantone Gravel Pit	11/29/2007	Renewal	19.0
Pomfret	Longhouse Estate Inc.	90025	Longhouse Estate Inc. Pit	11/13/2007	Renewal	8.0
Sheridan	Feinen, Richard C	90495	Feinen Gravel Mine	11/5/2007	Renewal	12.0
Villanova	Villanova, Town of	90337	East Lake Road	6/14/2007	Modification	8.7
Chemung						
Big Flats	Elmira / Corning Regional Airport	80694	Elmira/Corning Airport Mine	1/8/2007	Modification	52.0

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Chemung						
Big Flats	Elmira / Corning Regional Airport	80694	Elmira/Corning Airport Mine	8/27/2007	Renewal	52.0
Chemung	Horseheads, Town of	80675	Town Of Horseheads Topsoil	10/11/2007	Renewal	17.0
Chemung	Peterson, Florence F	80582	Peterson Sand & Gravel	11/1/2007	Modification	4.0
Erin	R L Callahan Inc	80024	Blackwell Pit	1/12/2007	Renewal	32.5
Horseheads	Stermer, Earl	80516	Stermer Mine	3/5/2007	Renewal	10.0
Southport	Bowers, David	80822	Hurley Pit	4/25/2007	New	14.0
Chenango						
Afton	Burton F Clark Inc	70739	NYS Route 7 Mine	3/20/2007	Modification	20.0
Greene	Chenango Concrete Corp dba Chen	70019	Brisben Bank #1 & #2	10/5/2007	Renewal	101.0
Greene	Tri-City Highway Products Inc	70395	Brisben Mine	11/2/2007	Modification	28.1
North Norwich	Chenango Concrete Corp dba B&B	70013	Bundy Gravel Pit #2	1/29/2007	Modification	115.0
Norwich	Lindenthaler Properties LLC	70549	Lindy Materials	6/6/2007	Modification	4.0
Oxford	F S Lopke Contracting Inc	70904	Oxford Quarry	11/6/2007	New	21.0
Smithville	Clark, Dane M	70865	Stone Quarry Road Mine	12/3/2007	New	3.4
Clinton						
Altona	Way, Harold L	50258	Shelters Pit	7/9/2007	Renewal	12.9
Ausable	Steven E Fuller Excavating Inc	50057	Grasshopper Farm Pit	3/9/2007	Modification	36.7
Beekmantown	J E Sheehan Contracting Corp	50847	Gonyo Gravel Mine	7/20/2007	Modification	19.9
Chazy	Willi O Kalvatis/Glendon R Raffert	50982	Kalvatis Mine	4/23/2007	Modification	17.1
Clinton	Cole, Richard	51002	Clinton Mills Mine	11/27/2007	New	9.9
Clinton	Graymont Materials NY Inc	50991	Clinton Quarry	7/16/2007	Modification	21.0
Clinton	Graymont Materials NY Inc	50991	Clinton Quarry	5/18/2007	New	21.0
Mooers	Beeman, Roswell	50673	Mooers Pit	4/12/2007	Modification	33.9
Mooers	Beeman, Roswell	51000	Emery Road Pit	10/30/2007	New	10.0
Mooers	Graymont Materials NY Inc	50994	Rabideau Bank	6/29/2007	New	36.0
Mooers	J E Sheehan Contracting Corp	50992	Cannon Corners Pit	9/26/2007	Modification	50.0
Mooers	J E Sheehan Contracting Corp	50992	Cannon Corners Pit	5/10/2007	New	50.0
Mooers	Lafave, Anthony	50840	Cannon Corners Road Mine	12/4/2007	Modification	32.6
Mooers	Mooers, Town of	50377	Menard's Mine	12/6/2007	Renewal	9.0
Mooers	Morse, Clinton C	50979	M& R Sand & Gravel	2/22/2007	Modification	41.0
Mooers	R. Deso, Inc	50359	Mooers Forks Pit	3/21/2007	Renewal	13.0
Mooers	Woodfalls Industries LLC	50998	Deyo Quarry	11/13/2007	New	62.0

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Columbia						
Ancram	O & G Industries Inc	40344	Boston Corners Pit	10/31/2007	Modification	25.6
Claverack	John A Alvarez & Sons Inc	40485	Orchard Road Pit	4/20/2007	Renewal	8.0
Ghent	Gromax Ltd	40766	Ostrander Humus Mine	6/26/2007	Renewal	23.0
Greenport	Colarusso & Son, Inc.	40042	Kearney Pit	6/11/2007	Renewal	102.0
Livingston	Cranesville Block Co Inc	40840	Blue Stores Mine	11/15/2007	Modification	15.2
Cortland						
Cuyler	Cuyler, Town of	70832	Cuyler - West Keeney Road	11/20/2007	Renewal	5.0
Preble	Hawkins, Keith G	70217	Preble Aggregate Pit - NYS Route 281	3/26/2007	Renewal	7.0
Delaware						
Colchester	Johnston & Rhodes Bluestone Co	40737	Signor Quarry	1/2/2007	Renewal	6.0
Davenport	Brandow, Olive	40530	Brandow Gravel Bank	10/23/2007	Renewal	9.6
Davenport	Seward Sand & Gravel Inc	40368	Rider Gravel Bank	10/19/2007	Renewal	7.5
Deposit	Gould, David W.	40545	Deposit Pit	6/6/2007	Renewal	19.0
Hancock	Hennessey, Grace, Mary, and Earl	40769	Hennessey Quarry #1	1/12/2007	Renewal	2.6
Hancock	Johnston & Rhodes Bluestone Co	40767	Dirig Quarry #1	10/19/2007	Renewal	3.0
Hancock	Johnston & Rhodes Bluestone Co	40787	Dirig #2	10/19/2007	Renewal	3.0
Middletown	Cowan Brothers	40424	Cowan Brothers Gravel Bank	1/5/2007	Renewal	4.0
Middletown	Middletown, Town of	40702	Jensen Pit	12/18/2007	Renewal	6.0
Roxbury	Rikard, Daniel G.	40638	Rikard Clay Mine	12/1/2007	Renewal	5.0
Stamford	Lafever Excavating Inc	40712	South Kortright/Roses Brook Pit	10/19/2007	Modification	10.0
Walton	Logs Unlimited LLC	40779	Delaware Street	4/11/2007	Modification	13.0
Dutchess						
Beekman	The Estate of Charles J Andrews	30139	Clapp Hill Gravel Bank	1/30/2007	Modification	41.0
Fishkill	Southern Dutchess Sand & Gravel I	30022	Southern Dutchess Sand & Gravel Mine	1/23/2007	Modification	46.0
Fishkill	West Hook Sand And Gravel Inc	30079	West Hook Sand And Gravel Mine	11/29/2007	Renewal	102.0
Northeast	Palmer, Florian A	30106	Northeast mine	8/29/2007	Renewal	8.0
Pine Plains	Murphy, James A.	30425	Murphy Gravel Bank	9/20/2007	Renewal	13.0
Poughkeepsie	Tilcon New York Inc	30011	Clinton Point Quarry	7/30/2007	Renewal	458.1
Washington	Dutchess Quarry & Supply Co Inc	30028	Shunpike Rd. Mine	12/4/2007	Renewal	40.0
Erie						
Colden	Kaefer, Alfred F	90188	Kaefer Gravel Pit	12/3/2007	Renewal	9.0
Concord	Cold Spring Construction Co	90978	Wendel Gravel Pit	3/23/2007	New	4.5

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Erie						
Concord	Cold Spring Construction Co	90980	Hofmann North Borrow Site	7/11/2007	New	10.0
Concord	Cold Spring Construction Co	90981	Hofmann South Borrow Site	6/13/2007	New	3.5
Concord	McEwan Trucking & Gravel Produ	90489	King/Ahles Pit	10/22/2007	Renewal	14.5
Concord	Russo Development, Inc.	90472	Sibley Road Pit	3/27/2007	Renewal	13.1
Lancaster	Lafarge North America Inc	90046	Burkhardt Bank	1/29/2007	Renewal	39.3
Lancaster	Lafarge North America Inc	90132	Genesee/Fayhe Pit	5/4/2007	Renewal	31.0
Lancaster	Lafarge North America Inc	90446	Genesee North Pit	4/27/2007	Renewal	89.0
Sardinia	Gernatt Asphalt Products Inc	90143	Route 39 Deposit	2/6/2007	Renewal	28.0
Sardinia	Gernatt Asphalt Products Inc	90214	Dabolt - Thief Road	8/30/2007	Renewal	12.0
Sardinia	Gernatt Asphalt Products Inc	90214	Dabolt - Thief Road	5/22/2007	Modification	12.0
Essex						
St Armand	Graymont Materials NY Inc	50363	Cassavaugh Pit	8/15/2007	Modification	21.0
Ticonderoga	Reale Construction Co Inc	50254	Chilson Hill Pit	9/5/2007	Modification	14.8
Wilmington	West, Douglas & Beulah	50937	Haselton Sand Pit	4/24/2007	Renewal	4.9
Franklin						
Bellmont	Fountain, Robert and Michelle	50966	Fontain Gravel Pit	7/9/2007	New	4.0
Brandon	Brandon, Town of	50372	Trimm Pit	4/30/2007	Renewal	5.0
Burke	Gokey, Steven	50999	Gokey Gravel Pit	11/15/2007	New	7.0
Chateaugay	Chateaugay, Town of	50990	Town of Chateaugay S & G	5/21/2007	New	8.0
Chateaugay	Wood, William K	50993	Woods Sand & Gravel Mine	6/27/2007	Pending	4.9
Malone	Duquette, Bryan E	50564	Ed Duquette Pit	8/8/2007	Renewal	5.0
Malone	Malone, Village of	50693	Bare Hill Sand Pit	4/25/2007	Renewal	3.0
Westville	Barrett Paving Materials Inc	50305	Westville Pit	11/20/2007	Renewal	19.7
Westville	Snyder, Gaylord R	50832	Snyder Sand Pit	7/19/2007	Renewal	4.0
Fulton						
Johnstown	Simek General Contractors, E J	50816	Cemetery Mine	1/8/2007	Modification	19.2
Johnstown	Tanner and Sons Inc C G	50371	Meco Gravel Pit	6/22/2007	Pending	5.0
Mayfield	Cranesville Aggregate Companies I	50051	Pig Farm Pit	6/19/2007	Pending	22.0
Mayfield	Magiolda, James	50554	Argotsinger Bank	11/7/2007	Modification	16.4
Perth	Puthaven Farms	50605	Puthaven Farm Sand Pit	5/12/2007	Renewal	7.4
Genesee						
Alexander	K & R Day Trucking Inc	80010	WNYC Pit #2	9/4/2007	Renewal	10.5

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Genesee						
Alexander	Keeler Construction Co Inc	80312	Alexander Pit - Brookville Road	2/5/2007	Renewal	3.0
Pavilion	Center Aggregates Corp	80062	Macduffie Pit	2/16/2007	Renewal	41.2
Pembroke	Buffalo Crushed Stone Inc	80192	Pembroke Plant	10/2/2007	Renewal	27.0
Stafford	Keeler Construction Co Inc	80048	Stafford Pit	3/29/2007	Renewal	6.4
Greene						
Durham	Borwegen, Ralph	40862	Teator Mine	5/17/2007	New	4.6
New Baltimore	R J Valente Gravel Inc	40168	New Baltimore Pit	8/10/2007	Modification	17.5
Hamilton						
Hope	King, Charles Db a G H Wood Co I	50349	Hope Pit #2	1/18/2007	Modification	4.6
Indian Lake	Indian Lake, Town of	50373	Chain Lakes Pit #1 & #2	9/18/2007	Modification	14.7
Indian Lake	Indian Lake, Town of	50841	Pit #6	11/15/2007	Renewal	9.7
Lake Pleasant	Vogel Excavation Co Inc	50341	Vogel Pit #1	5/15/2007	Modification	14.0
Long Lake	Long Lake, Town of	50272	Valentine Pit	1/18/2007	Renewal	1.8
Wells	Graymont Materials NY Inc	50636	Wells Pit #3	5/7/2007	Modification	35.0
Herkimer						
Herkimer	Herkimer, Town of	60741	Richard Sand Pit	6/27/2007	Renewal	5.0
Herkimer	Herkimer, Town of	60742	Richard Gravel Pit	6/27/2007	Renewal	7.0
Herkimer	T J Madden Construction Co Inc	60477	Herkimer Sand And Gravel	4/1/2007	Renewal	10.0
Ohio	Tioga Construction Co Inc	60444	Town Of Ohio Pit	3/2/2007	Renewal	15.0
Russia	Weakley, Bruce	60417	Worden Mine	8/29/2007	Modification	9.8
Salisbury	Bauder, Bruce	60218	Salisbury Sand And Gravel	11/19/2007	Renewal	7.0
Salisbury	Kuehnle, Charles	60611	Kuehnle Sand & Gravel Pit	7/2/2007	Renewal	7.0
Salisbury	Nichols, Roderick	60991	Nichols Sand & Gravel Pit	1/10/2007	Renewal	5.0
Webb	Webb, Town of	61072	Indian Brook Mine	1/1/2007	New	1.9
Winfield	Winfield, Town of	60304	Stone Road Pit	4/1/2007	Renewal	14.0
Jefferson						
Adams	Adams, Village of	60162	Village Pit	3/19/2007	Renewal	10.0
Antwerp	Cranesville Block Co Inc	60115	Antwerp Mine	6/26/2007	Renewal	51.9
Cape Vincent	Gmeiner, David	61075	David Gmeiner Rock Quarry	8/21/2007	New	1.0
Champion	Brady, Bernard	60736		6/28/2007	Renewal	8.1
Champion	Champion, Town of	60633	Whitaker Site	9/11/2007	Renewal	39.2
Champion	Hanson Aggregates New York Inc	60466	Great Bend Quarry	9/4/2007	Renewal	88.7

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Jefferson						
Champion	Tug Hill Construction Inc	60227	Kellogg Pit	4/2/2007	Renewal	73.6
Ellisburg	Ellisburg, Town of	60198	Rudd Pit	2/22/2007	Renewal	50.0
Leray	Converse, Stephen J	61053	Lafave Mine	10/18/2007	Modification	47.0
Leray	Leray, Town of	60308	Leray Pit	3/27/2007	Renewal	7.0
Orleans	Thompson, William	60777	L. A. Quarry	1/5/2007	New	28.0
Rutland	Porter, Richard C	60700	Porter Pit # 1	11/21/2007	Renewal	2.3
Lewis						
Denmark	Groff, Carl	60322	Flemming Road Mine	1/11/2007	Modification	2.7
Diana	R. T. Vanderbilt Company Inc, Go	60140	No. 4 Mine	11/19/2007	Renewal	44.0
Lyonsdale	Lyonsdale, Town of	60022		10/2/2007	Renewal	6.0
Watson	NYS DEC	60860	Independence River Pit	3/1/2007	Renewal	3.0
West Turin	NYS DEC	61078	TNC Pit # 2	12/12/2007	New	1.6
Livingston						
Mount Morris	Rose, Andrea C Db a Rose's Sand	80548	Fidler Road Pit	10/31/2007	Renewal	8.0
Madison						
Sullivan	Katzenstein, Kenneth	70420	Bolivar Road Mine - Bolivar Road	11/7/2007	Renewal	8.6
Monroe						
Hamlin	Elliott, Randall J	80532	Moscow Road Pit	6/6/2007	Renewal	21.9
Hamlin	Podgers, Kenneth D	80426	Seaman Pit	5/2/2007	Renewal	12.9
Montgomery						
Florida	Callanan Industries Inc	40004	5S Quarry	1/19/2007	Renewal	196.0
Root	Santos Construction Corp	40238	Randall Pit	1/11/2007	Renewal	54.0
Niagara						
Cambria	Cloy, David	90974	Cloy Farm Pond	6/15/2007	New	5.0
Lewiston	Modern Landfill Inc	90772	Harold Road Clay Mine	4/12/2007	Renewal	1.0
Lewiston	Modern Landfill Inc	90874	John Long Property	2/14/2007	Renewal	3.0
Niagara	Redland Quarries NY Inc	90012	Quarry Road Site	5/2/2007	Renewal	189.0
Oneida						
Annsville	G W Bryant Core Sands Inc	60001	Mcconnellsville Pit	4/2/2007	Renewal	24.0
Ava	Tkachuk, Tom	61042	Tkachuk Sand & Gravel	5/17/2007	Modification	31.4
Boonville	Nirvana Inc	61079	Nirvana Borrow Pit	10/1/2007	New	4.9
Camden	Camden, Village of	61002	Rt. 69 Sand & Gravel Mine	11/16/2007	Renewal	4.9

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Oneida						
Camden	Christmas & Associates Inc	61070	Route 13 Gravel Pit	11/9/2007	New	2.2
Lee	Burton D Seymour Excavating	60156	Lee Valley Road Pit	10/16/2007	Renewal	9.5
Lee	Lee, Town of	60747	West Branch Mine	6/25/2007	Renewal	5.0
Marcy	Fred Burrows Trucking & Excavati	60774	Double K Farms	11/1/2007	Renewal	5.0
Marshall	Marshall, Town of	60743	Back Pit - Day Farm	9/6/2007	Renewal	4.0
Paris	W H Stephan Sand & Gravel Inc	60484	Latus Road North Pit	5/1/2007	Renewal	14.7
Rome	Annsville, Town of	61001	Meadows Road Sand & Gravel Pit	11/2/2007	Renewal	3.0
Rome	JKR Holdings LLC	61059	Mapledale Materials	8/7/2007	New	3.5
Trenton	A H Excavating	60247	Hajdasz Sand & Gravel Pit	8/29/2007	Renewal	3.0
Trenton	Trenton, Town of	60620	Mapledale Road Pit	5/1/2007	Renewal	25.0
Vernon	Burton D Seymour Excavating	61035	Acee Gravel Pit	4/9/2007	Modification	12.7
Western	D A Schallenberg Construction Co	61074	Schallenberg Gravel Pit	7/27/2007	New	4.4
Whitestown	Fred Burrows Trucking & Excavati	60258	Murray Mine	10/2/2007	Renewal	18.0
Onondaga						
Marcellus	Smith, David J	70621	Valley Borrow Pit - NYS Route 174	6/11/2007	Renewal	3.6
Onondaga	Volles, Ralph	70894	Volles Mine	2/13/2007	New	2.0
Onondaga	W F Saunders & Sons Inc	70002	Nedrow Mine - South Onondaga Road	2/15/2007	Renewal	14.0
Onondaga	W F Saunders & Sons Inc	70648	Griffin Mine	9/19/2007	Renewal	5.0
Part	Maple Lane Partnership	70477	Abend Mine - Route 174	10/10/2007	Modification	4.5
Pompey	T H Kinsella Inc	70435	Walter's Pit Formerly Barber & Walter's	11/7/2007	Renewal	70.0
Tully	Cranesville Block Co Inc	70599	Tully	11/2/2007	Renewal	36.2
Ontario						
Naples	Naples, Town of	80669	Town Of Naples	8/22/2007	Renewal	11.9
Phelps	Hanson Aggregates New York Inc	80036	Geneva	10/29/2007	Modification	216.8
Phelps	Ridley, Kent A	80776	Cress Road	5/1/2007	Renewal	5.0
Phelps	Syracuse Sand & Gravel LLC	80634	Lake Road Pit	10/16/2007	Modification	44.5
Victor	J & G Turner Inc	80197	Turner Pit	7/12/2007	Renewal	30.5
Victor	Syracusa Sand & Gravel Corp	80125	Syracusa Sand & Gravel Corp.	11/7/2007	Renewal	81.1
Orange						
Blooming Grove	Callahan & Nannini Shale Inc	30081		8/13/2007	Renewal	25.0
Blooming Grove	Steel Style Inc	30445	Blooming Grove Mine	8/24/2007	Renewal	12.9
Chester	Slate Hill Sand & Gravel Inc	30002	Chester Operation	10/10/2007	Modification	64.5

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Orange						
Goshen	Ward Pavements Inc	30004		8/8/2007	Renewal	15.0
Montgomery	Marcinak, Arthur J	30430	Whitney Lane Mine	9/20/2007	Renewal	12.0
Orleans						
Albion	Poverty Hill Properties LLC	80399	Carr Mine	1/2/2007	Renewal	8.5
Barre	Keeler Construction Co Inc	80166	Barre Stone Prod.	8/14/2007	Modification	195.0
Clarendon	Hanson Aggregates New York Inc	80079	Clarendon Quarry	9/5/2007	Modification	81.2
Shelby	Shelby Crushed Stone Inc	80346	Medina	1/9/2007	Renewal	94.6
Oswego						
Amboy	Syracuse Sand & Gravel LLC	70781	Birmingham Gravel Pit	6/15/2007	Renewal	8.6
Constantia	West Monroe, Town of	70460	Corlis Gravel Pit	9/17/2007	Renewal	36.0
Hannibal	Malone, William D	70610	Weldin Pit	5/8/2007	Modification	12.5
Hannibal	Malone, William Jr	70643	Peat Bed Mine	7/11/2007	Renewal	14.0
Hannibal	Townsend, Brad	70899	Townsend Gravel Pit	1/4/2007	New	10.0
Hastings	La Vek LLC	70886	Cindy Lee Gravel Pit	8/6/2007	New	4.9
Hastings	Syracusa Sand & Gravel Corp	70303	Hastings North, East- NYS Route 11	3/19/2007	Renewal	10.4
Hastings	Syracuse Sand & Gravel LLC	70302	Hastings Main. West - NYS Route 11	6/15/2007	Modification	74.5
Hastings	Weaver, Robert L	70926	Gravel Run Mine	10/25/2007	New	8.0
New Haven	Ferguson Beach Ltd	70699	Jerrett Pit - County Route 51	1/17/2007	Renewal	12.6
Volney	Bresnahan, Roy J	70851	Mcdougall Road Gravel Pit	12/7/2007	Modification	4.7
Volney	Northern Aggregates Inc	70774	Douglas Mine	7/25/2007	Renewal	31.2
Volney	Oswego County DPW	70293	Howard Road Sand & Gravel - Howard	1/10/2007	Renewal	50.0
Otsego						
New Lisbon	Parker, David	40851	Balcom Sand & Gravel	1/2/2007	New	7.0
Otego	Otego, Town of	40288	Otego Quarry S&G Bank	8/16/2007	Renewal	10.0
Pittsfield	Bice, John	40563	Bice Mine	6/7/2007	Renewal	20.6
Westford	NYS DEC	40606	Otsego #13 Shale Mine	9/5/2007	Renewal	1.0
Putnam						
Philipstown	WTP Supply Co Inc	30602		2/21/2007	Modification	2.0
Rensselaer						
Nassau	Smith, Daniel	40677	Teasdale Mine	7/24/2007	Renewal	6.5
Nassau	Troy Sand & Gravel Co Inc	40820	Nassau Quarry	5/21/2007	New	43.0
North Greenbush	Callanan Industries Inc	40019	Wynantskill Pit	12/4/2007	Renewal	411.9

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Rensselaer						
Pittstown	Delgiacco, Michael	40112	Storm Hill Road Pit	11/5/2007	Renewal	9.3
Poestenkill	Kronau, Kevin	40512	Deer Creek Mine	9/17/2007	Renewal	4.0
Rensselaer	S. A. Dunn Sand and Gravel	40346	Dunn Bank	7/31/2007	Modification	57.9
Sand Lake	Cooper, James F	40807	Cooper Property Mine	1/4/2007	Modification	8.0
Sand Lake	Dahl, John W. & Eric M.	40838	Dahl Property Mine	1/22/2007	Renewal	6.0
Sand Lake	Sand Lake, Town of	40118	Springer Road Pit	4/26/2007	Renewal	16.0
Schaghticoke	Troy Sand & Gravel Co Inc	40123	Cammarota Pit	7/13/2007	Modification	65.5
Schaghticoke	Troy Sand & Gravel Co Inc	40123	Cammarota Pit	1/5/2007	Modification	65.5
Schaghticoke	Warren W Fane Inc	40072	Reed Bank	7/13/2007	Renewal	9.0
Schaghticoke	Warren W Fane Inc	40283	Perry Pit /Route 40	6/20/2007	Renewal	70.5
Schodack	Morris Development Inc	40558	Morris Development Pit	12/18/2007	Renewal	11.0
Stephentown	Troy Sand & Gravel Co Inc	40273	Tayer/ Saddle Back Ridge Rd. Pit	5/21/2007	Renewal	30.0
Rockland						
Clarkstown	Tilcon New York Inc	30066	Haverstraw Quarry	7/30/2007	Modification	96.9
Saratoga						
Corinth	Adirondack Ind Construction Co In	50339	Johnson Pit	10/10/2007	Modification	18.1
Corinth	Corinth Central School District	50549		12/7/2007	Modification	3.0
Halfmoon	Carver Sand & Gravel LLC	50079	Button Road Mine	1/25/2007	Modification	52.5
Halfmoon	Constantine Construction & Farm I	50383	Halfmoon Pit	3/21/2007	Renewal	33.7
Halfmoon	James H Maloy Inc	50161	Flascher Bank	9/14/2007	Renewal	39.0
Halfmoon	Riberdy Contracting Corp	50509	Riberdy Contracting Corp. Mine	10/15/2007	Modification	28.7
Milton	Harrington, Ronald	50835	Rock-N-H Sand And Gravel	9/5/2007	Modification	8.2
Moreau	Finch Pruyn & Co Inc	50742	Smith Farm Mine	6/20/2007	Modification	23.0
Wilton	Legacy Builders LLC	50710	Janet Shaw Pit	3/14/2007	Modification	22.4
Schenectady						
Glenville	Charlton Suburban Services	40475	Smith Sand Pit	3/1/2007	Renewal	11.0
Schoharie						
Broome	Broome, Town of	40628	Kelly Pit	12/1/2007	Renewal	5.0
Gilboa	Lewis, Carlton	40610	Lewis Flat Creek Road Pit	3/7/2007	New	4.0
Schuyler						
Catharine	Wickham, Annella	80053	Wickham Pit	1/23/2007	Renewal	49.0
Montour	Catharine, Town of	80723	Reynolds Pit	6/27/2007	Renewal	9.9

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Seneca						
Junius	Seneca Meadows Inc	80413	Landfill Operations	10/30/2007	Renewal	32.4
Waterloo	Dendis Sand & Gravel Inc	80627	Dendis Pit	1/25/2007	Renewal	16.4
Waterloo	Seneca Meadows Inc	80737	Smi Surface Mine	5/8/2007	Modification	91.8
St. Lawrence						
Clifton	Clifton, Town of	60447	Crane Pond	9/24/2007	Modification	11.0
Colton	Colton, Town of	60618	Thomas Mine	8/29/2007	Renewal	4.0
Edwards	French, Wayne	60461	Edwards Operation	8/6/2007	Renewal	9.0
Edwards	R. T. Vanderbilt Company Inc, Go	60050	Number 3 Mine	11/19/2007	Renewal	9.0
Gouverneur	Stiles, Ronald	60350	Process Sand And Gravel	11/27/2007	Renewal	12.3
Louisville	Brannen, W. Michael	61000	North Mein Road Mine	10/3/2007	Renewal	4.7
Macomb	Macomb, Town of	60750	Pine Hill Road Sand & Gravel Pit	10/25/2007	Modification	15.7
Macomb	Macomb, Town of	60750	Pine Hill Road Sand & Gravel Pit	11/2/2007	Modification	15.7
Madrid	Van Patten, Steven	61016	Braddy Road Gravel Pit	5/3/2007	Renewal	12.3
Morristown	Stout's Ready Mix Ltd	60527	Gravel Pit 2	9/11/2007	Renewal	3.8
Morristown	Stout's Ready Mix Ltd	60527	Gravel Pit 2	8/27/2007	Modification	3.8
Norfolk	Massena, Town & Village of	60376	Village & Town Of Massena Sandpit	6/12/2007	Renewal	30.0
Parishville	Adon Farms	60262	Bensen Pit	7/18/2007	Modification	9.0
Parishville	Barrett Paving Materials Inc	60898	Cooke Mine	1/3/2007	Renewal	18.8
Parishville	Frank Randall & Sons Inc	61077	Benson Road Pit	11/29/2007	New	2.3
Parishville	Randall, Richard	60703	West Parishvile Mine	2/13/2007	Renewal	5.0
Part	Hanson Aggregates New York Inc	60171	Ogdensburg	6/26/2007	Renewal	82.7
Pierrepont	Appl Resources Inc	60977	Deans Corners	5/16/2007	Modification	19.7
Pierrepont	Gibson & Son Inc	60393	Gibson Mine	8/7/2007	Renewal	6.0
Pierrepont	St Lawrence County Highway Dept	60295	Woodside Gravel Mine	12/11/2007	Modification	5.0
Pitcairn	Pitcairn, Town of	60460	Macqueen Pit	4/5/2007	Renewal	3.0
Pitcairn	Pitcairn, Town of	60906	Fine Road Mine	5/16/2007	Renewal	5.0
Rossie	Cooke Sand & Gravel Inc	60086	Soper Pit	5/16/2007	Renewal	24.0
Russell	Gotham, Janet And Richard	60380	Gotham/Burch Pit	6/12/2007	Renewal	14.6
Stockholm	J E Sheehan Contracting Corp	60762	Catamount Ridge Mine	3/7/2007	Renewal	57.9
Steuben						
Avoca	Kula, Steve J	80701	Steve J. Kula Gravel Pit No. 2	7/12/2007	Renewal	2.2
Bath	Howard, Town of	80554	Helm Pit	5/8/2007	Renewal	10.0

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Steuben						
Bradford	Schuyler County	80571	Machuga Pit	3/7/2007	Renewal	8.0
Corning	John F & John P Wenzel Contracto	80774	Morrison Turkey Farm Pit	6/28/2007	Renewal	4.1
Hartsville	Blades Construction Products Corp	80644	Amidon Pit	7/18/2007	Renewal	30.3
Hornellsville	Mahany, Gary	80731	Gary Mahany Gravel Pit	5/1/2007	Renewal	6.0
Howard	Blades Construction Products Corp	80203	Howard Operation	2/22/2007	Renewal	149.2
Howard	Blades Construction Products Corp	80674	Howard #2 Pit	7/2/2007	Renewal	11.3
Rathbone	Steuben County DPW	80526	Risley Pit	2/21/2007	Renewal	14.0
Troupsburg	Troupsburg, Town of	80589	Cady Pit	6/6/2007	Renewal	17.0
Urbana	Ray Kolo Excavating, Inc.	80288	Gravel Pit	4/2/2007	Renewal	8.9
Wayland	Carl Myers Enterprises Inc	80785	Werth Pit	7/27/2007	Renewal	4.0
Wayland	Joseph Meyer	80828	Joseph Meyer Gravel Pit	8/1/2007	New	5.0
Suffolk						
Brookhaven	Coram Materials Corp	10098	Coram Materials	7/12/2007	Modification	216.0
East Hampton	Bistrian Gravel Corp	10002	Bistrian Gravel Corp./Barry Bistrian	3/2/2007	Renewal	3.0
East Hampton	D.L. Talmage, Inc.	10072	Talmage Pit	3/2/2007	Renewal	11.0
Riverhead	Riverhead Cement Block Co Inc	10010	Riverhead Cement Block	4/20/2007	Renewal	9.0
Smithtown	All Island Mason Supply Inc	10076	All Island Mason Supply Inc Mine	10/1/2007	Modification	16.0
Southampton	Huntington Ready Mix Concrete	10034	Huntington Ready Mix	8/28/2007	Modification	13.0
Sullivan						
Callicoon	Zieres, Kevin & Kathleen	30643	North Branch Sand and Gravel	5/15/2007	New	8.4
Fallsburgh	Hamlin Construction Co Inc	30217	Mcintosh Sand & Gravel	2/15/2007	Renewal	18.0
Thompson	Levine, Edward	30384	Fast Eddies	9/20/2007	Renewal	3.0
Tioga						
Barton	Porter's Concrete Service Inc	70320	Waverly - Pit #2 - Shepard Road	5/2/2007	Renewal	62.0
Barton	Simonds Excavating Inc	70315	North Waverly Mine	1/22/2007	Modification	17.5
Nichols	F S Lopke Contracting Inc	70028	Nichols-Barrett Site	10/30/2007	Renewal	112.0
Nichols	F S Lopke Contracting Inc	70746	Day Pit	11/2/2007	Renewal	50.0
Nichols	F S Lopke Contracting Inc	70770	Buck-Wheeler-Day	12/10/2007	Modification	52.0
Nichols	F S Lopke Contracting Inc	70770	Buck-Wheeler-Day	11/5/2007	Renewal	52.0
Owego	Gregory & Sons Inc	70195	Leo Spencer Mine - Route 38	5/2/2007	Modification	22.0
Spencer	King, John A	70753	King Mine	3/8/2007	Modification	13.0
Tioga	F S Lopke Contracting Inc	70030	Owego Plant	11/30/2007	Modification	230.1

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Tompkins						
Caroline	Caroline, Town of	70033	Perkins Road Mine	1/31/2007	Renewal	3.0
Dryden	Dryden, Village of	70448	Egypt Gravel Bank	11/6/2007	Renewal	6.0
Ulster						
Entire	Shawangunk Materials Inc	30616		1/26/2007	New	20.0
Kingston	Eastern Materials LLC	30332	Jockey Hill Road Quarry	7/19/2007	Renewal	22.0
Marbletown	Davenport Farm	30644	Davenport Farm	9/13/2007	New	6.5
Marbletown	H & R Rock Co Inc	30618	H & R Rock Bluestone Mine	3/9/2007	Renewal	4.9
Rochester	Rochester, Town of	30569	Route 209 Mine	1/23/2007	Renewal	6.8
Wawarsing	Osterhoudt Construction	30295	Rt 55 Sand Bank	12/5/2007	Renewal	8.0
Warren						
Johnsburg	Peck Properties LLC	50694	James Peck Mine	8/15/2007	Modification	5.0
Lake George	Schindelar, Richard P	50048	Keith Harris Pit	6/19/2007	Modification	6.3
Lake George	Warren County Dept Of Public Wo	50242	Toney Pit	6/15/2007	Renewal	26.3
Queensbury	Kubricky Construction Corp	50232	Ridge Road Pit #1	3/27/2007	Renewal	7.3
Queensbury	Queensbury, Town of	50001	Jenkinsville Pit	11/9/2007	Renewal	15.7
Queensbury	Queensbury, Town of	50296	Torrington Pit	11/8/2007	Renewal	12.4
Washington						
Dresden	Rozell, William	50986	Rozell Mine	1/19/2007	New	4.0
Greenwich	Greenwich, Town of	50996	Town of Greenwich pit	5/16/2007	New	3.5
Kingsbury	Peckham Industries Inc	50033	Hudson Falls Quarry	4/30/2007	Modification	109.3
Whitehall	Adirondack Natural Stone	50976	North Quarry	11/2/2007	Modification	17.7
Wayne						
Arcadia	Wayne County Highway Dept	80680	Orbaker Pit	11/19/2007	Renewal	8.0
Butler	Butler, Town of	80467	Nixon Pit	4/23/2007	Renewal	9.0
Huron	Steffen, Vincent P	80544	V.P. Steffen & Sons - Alton Pit	11/21/2007	Renewal	7.4
Lyons	Stoep Bros Farm	80814	Stoep Bros. Farm	8/1/2007	Modification	15.2
Sodus	R.G. Rochester Inc	80710	Smith Gravel Pit	8/14/2007	Modification	20.7
Wyoming						
Gainesville	Herrmann, Keith	90470	Schillaci Pit	5/18/2007	Renewal	2.0
Java	Kirchmeyer Inc	90968	Robbie Hill Farm Pit	5/9/2007	New	2.3
Pike	Borer, John	90811	Pike Gravel Pit	6/26/2007	Renewal	10.0
Pike	Earth Operations LLC	90718	Fisher Pit	4/3/2007	New	1.0

Mined Land Permits Issued During 2007

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Wyoming						
Pike	Robb, Donald Sr	90482	Robb Gravel Pit	5/30/2007	Renewal	48.0
Yates						
Potter	Jerusalem, Town of	80805	Zane Bedient Pit	12/5/2007	Renewal	6.2
Potter	Joni Construction Inc	80378	Hey's Potter Pit	7/27/2007	New	8.0
Torrey	Eskildsen, Stephen	80609	Eskildsen Pit	6/11/2007	New	6.8

Mine Commodities 2007

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	554	511	272	238
Shale	1	8	137	139	32	107
Topsoil	0	2	44	44	43	1
County Totals	18	41	2,280	1,688	387	1,301
Allegany						
Clay	1	1	7	7	4	3
Glacial Till	0	2	3	2	2	0
Sand and Gravel	42	68	1,527	960	414	546
Sandstone	1	0	8	6	0	6
Shale	1	0	4	2	0	2
Topsoil	0	2	17	4	2	2
County Totals	45	73	1,566	980	422	558
Broome						
Bluestone	29	14	270	189	18	171
Clay	0	3	40	12	6	6
Glacial Till	0	3	19	19	19	0
Sand and Gravel	25	31	1,572	1,441	748	693
Shale	1	0	0	38	7	31
Topsoil	0	1	3	3	3	0
County Totals	55	52	1,904	1,702	801	901
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	70	61	4,896	2,822	1,093	1,729
Shale	1	4	24	24	21	3
Topsoil	0	1	15	15	15	0
County Totals	72	70	4,966	2,890	1,153	1,737
Cayuga						
Clay	2	4	70	36	22	14
Glacial Till	1	1	26	26	6	20
Limestone	1	0	225	74	0	74
Sand and Gravel	26	51	935	692	288	404
Shale	0	1	0	0	0	0
County Totals	30	57	1,257	828	316	512
Chautauqua						
Clay	1	2	94	94	80	14
Glacial Till	0	2	35	28	28	0
Sand and Gravel	53	91	1,796	1,121	619	503
Sandstone	0	2	56	24	12	12
Topsoil	0	3	24	31	31	0

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Chautauqua						
County Totals	54	100	2,005	1,298	770	528
Chemung						
Clay	0	1	4	4	4	0
Glacial Till	0	8	0	54	54	0
Sand and Gravel	23	54	1,115	980	480	518
Topsoil	2	0	34	30	6	24
County Totals	25	63	1,153	1,067	544	541
Chenango						
Bluestone	5	2	76	57	13	45
Clay	0	1	13	1	1	0
Sand and Gravel	39	62	1,665	1,200	327	873
Shale	1	9	22	25	14	11
Topsoil	0	1	9	0	0	0
County Totals	45	75	1,785	1,283	355	929
Clinton						
Clay	0	2	2	4	4	0
Dolostone	1	0	40	5	0	5
Granite	1	0	69	18	0	18
Limestone	3	1	195	151	3	148
Sand and Gravel	55	72	2,421	1,456	454	1,002
Sandstone	4	0	186	98	0	98
Topsoil	0	7	53	65	43	22
County Totals	64	82	2,966	1,796	503	1,292
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	44	1,590	1,276	452	824
Shale	0	1	3	3	3	0
Topsoil	1	0	23	23	3	20
County Totals	38	63	3,016	1,834	614	1,220
Cortland						
Glacial Till	0	5	19	34	29	5
Sand and Gravel	19	51	1,177	949	555	394
Shale	0	1	1	1	1	0
County Totals	19	57	1,197	983	584	399
Delaware						
Bluestone	47	17	504	398	75	323
Clay	1	0	5	5	2	4
Sand and Gravel	32	81	946	830	313	517
Sandstone	1	0	131	131	0	131
County Totals	81	98	1,586	1,363	390	974
Dutchess						

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Dutchess						
Dolostone	2	0	818	553	5	548
Glacial Till	0	1	0	0	0	0
Granite	2	0	353	111	5	106
Marble	1	0	2	2	0	2
Peat	0	1	0	140	140	0
Sand and Gravel	52	89	2,843	2,575	1,463	1,112
Shale	0	1	0	5	5	0
Stone	0	1	70	70	70	0
County Totals	57	93	4,086	3,455	1,688	1,767
Erie						
Clay	9	12	369	286	194	100
Glacial Till	0	3	72	65	65	0
Limestone	3	0	1,197	907	0	907
Sand and Gravel	41	38	2,690	1,787	711	1,077
Shale	2	0	11	6	0	6
Topsoil	1	4	420	250	247	3
County Totals	56	57	4,759	3,301	1,217	2,093
Essex						
Clay	0	2	6	6	4	2
Granite	4	0	442	156	1	155
Iron Ore	0	1	138	138	138	0
Limestone	0	2	2	4	4	0
Sand and Gravel	34	55	998	593	200	393
Topsoil	0	1	0	10	10	0
Wollastonite	3	0	226	221	0	221
County Totals	41	61	1,813	1,128	357	771
Franklin						
Clay	1	0	17	13	6	7
Granite	1	0	108	77	0	77
Sand and Gravel	70	62	1,312	908	251	658
Sandstone	2	0	53	23	0	23
Topsoil	1	2	10	30	28	2
County Totals	75	64	1,499	1,050	285	766
Fulton						
Glacial Till	0	1	0	2	2	0
Granite	1	0	113	69	2	67
Sand and Gravel	23	32	976	533	221	312
Topsoil	0	1	8	7	7	0
County Totals	24	34	1,097	611	232	379
Genesee						
Clay	0	1	3	3	3	0
Gypsum	0	0	60	52	30	22
Limestone	5	0	1,213	840	0	840
Marl	1	1	29	29	23	7
Sand and Gravel	18	26	2,147	1,014	441	573

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Genesee						
County Totals	24	28	3,452	1,938	496	1,442
Greene						
Clay	0	1	12	12	12	0
Glacial Till	0	1	10	10	10	0
Limestone	3	0	2,917	669	0	669
Sand and Gravel	11	19	338	287	115	172
Sandstone	1	1	129	18	4	14
Shale	7	3	302	211	22	189
Topsoil	0	1	8	8	8	0
County Totals	22	26	3,716	1,215	171	1,044
Hamilton						
Dolostone	1	0	35	35	0	35
Sand and Gravel	20	30	238	223	105	118
Stone	0	1	0	4	4	0
County Totals	21	31	273	262	109	153
Herkimer						
Clay	0	10	83	83	79	5
Dolostone	2	0	68	42	0	42
Limestone	2	0	343	343	0	343
Sand and Gravel	46	68	1,872	1,253	296	957
Topsoil	1	1	17	9	3	6
County Totals	51	79	2,383	1,730	377	1,353
Jefferson						
Clay	0	14	173	180	168	12
Granite	1	0	15	9	0	9
Limestone	18	7	1,306	967	22	945
Peat	0	3	46	23	14	9
Sand and Gravel	58	131	2,361	1,730	781	949
Shale	1	0	2	2	0	2
Topsoil	2	24	832	672	479	193
County Totals	80	179	4,734	3,583	1,464	2,118
Lewis						
Clay	0	3	6	6	6	0
Limestone	1	4	106	38	6	32
Sand and Gravel	35	93	1,026	877	324	553
Shale	3	20	128	127	68	59
Topsoil	0	1	0	3	3	0
Wollastonite	1	0	54	44	8	36
County Totals	40	121	1,320	1,095	416	679
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

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Livingston						
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
Limestone	3	0	422	266	0	266
Peat	0	1	70	5	5	0
Sand and Gravel	21	27	882	561	223	338
Topsoil	0	1	49	0	0	0
County Totals	24	31	1,451	851	247	604
Monroe						
Dolostone	2	0	250	245	192	53
Glacial Till	0	6	25	71	71	0
Limestone	1	0	298	262	10	252
Sand and Gravel	11	26	1,567	1,123	767	357
County Totals	14	32	2,140	1,701	1,039	661
Montgomery						
Clay	0	1	4	4	4	0
Dolostone	2	0	308	271	0	271
Limestone	1	1	207	175	7	168
Sand and Gravel	5	6	263	213	63	150
Shale	0	1	0	3	3	0
County Totals	8	9	782	667	77	590
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	1	4	334	334	330	4
County Totals	1	4	334	334	330	4
Niagara						
Clay	10	11	596	439	240	200
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	16	26	1,858	1,180	458	723
Oneida						
Clay	0	4	20	30	25	5

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Oneida						
Granite	1	0	100	100	0	100
Industrial Sand	0	4	500	20	10	10
Limestone	1	0	342	264	6	258
Sand and Gravel	62	96	3,246	1,662	728	934
Shale	0	2	6	6	6	0
Topsoil	1	1	8	8	3	5
County Totals	65	107	4,222	2,089	778	1,311
Onondaga						
Clay	1	3	50	28	22	6
Glacial Till	1	17	201	208	185	23
Limestone	7	4	2,147	1,649	116	1,533
Sand and Gravel	28	33	1,289	994	513	481
Shale	0	4	80	18	18	0
Topsoil	4	3	194	147	98	49
County Totals	41	64	3,961	3,044	952	2,092
Ontario						
Clay	0	3	52	52	28	24
Glacial Till	1	1	202	105	9	96
Limestone	2	0	665	378	0	378
Sand and Gravel	39	40	3,022	2,241	965	1,276
Topsoil	0	1	0	8	8	0
County Totals	42	45	3,941	2,784	1,010	1,774
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	36	71	1,914	1,721	937	785
Shale	6	0	311	175	1	174
Topsoil	0	1	10	10	10	0
County Totals	43	78	2,393	2,099	1,005	1,094
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	37	139
Sand and Gravel	14	9	689	379	216	163
Sandstone	3	0	147	88	0	88
County Totals	20	16	1,449	906	358	547
Oswego						
Glacial Till	0	4	25	21	21	0
Industrial Sand	0	1	1	1	1	0
Sand and Gravel	100	94	5,232	3,111	1,247	1,864
Topsoil	4	2	159	81	23	58
County Totals	104	101	5,417	3,214	1,292	1,922

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Otsego						
Bluestone	0	1	5	5	5	0
Clay	0	3	7	10	10	0
Sand and Gravel	35	33	1,101	873	290	583
Shale	1	1	5	1	0	1
Topsoil	1	0	5	3	0	3
County Totals	37	38	1,123	891	305	586
Putnam						
Limestone	1	0	56	56	0	56
Sand and Gravel	2	15	62	92	71	21
County Totals	3	15	118	148	71	77
Rensselaer						
Clay	1	4	31	24	16	8
Limestone	1	0	71	31	0	31
Sand and Gravel	51	50	2,346	1,764	340	1,425
Sandstone	4	0	352	181	0	181
Shale	1	1	149	142	6	136
County Totals	58	55	2,949	2,142	362	1,780
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	3	7	72	59	30	29
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	448	376	41	335
Sand and Gravel	52	87	2,703	1,623	458	1,166
Shale	1	1	12	6	1	5
Topsoil	1	7	85	84	47	38
County Totals	61	103	3,522	2,324	581	1,743
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	12	6	6
County Totals	9	10	491	350	109	241
Schoharie						
Limestone	4	0	525	377	0	377
Sand and Gravel	11	16	221	195	70	125
Shale	2	6	30	27	10	17

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Schoharie						
County Totals	17	22	776	598	80	519
Schuyler						
Clay	0	1	0	20	20	0
Glacial Till	0	1	0	2	2	0
Sand and Gravel	12	24	611	531	135	396
Shale	0	1	0	1	1	0
Topsoil	0	1	2	2	2	0
County Totals	12	28	613	556	160	396
Seneca						
Clay	0	12	1,096	1,096	386	711
Limestone	1	0	515	282	0	282
Sand and Gravel	4	3	188	147	71	76
Shale	0	1	2	2	2	0
County Totals	5	16	1,801	1,526	458	1,068
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	96	164	3,060	2,199	1,005	1,195
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	113	201	6,814	4,277	1,709	2,568
Statewide						
Industrial Sand	0	1	90	90	90	0
Sand and Gravel	0	2	0	1	1	0
County Totals	0	3	90	91	91	0
Steuben						
Clay	0	1	0	25	25	0
Glacial Till	0	6	11	55	55	0
Sand and Gravel	82	74	3,032	2,500	497	2,003
Sandstone	1	0	64	64	0	64
Topsoil	1	2	17	14	13	1
County Totals	84	83	3,125	2,658	590	2,068
Suffolk						
Sand and Gravel	37	46	1,807	1,783	620	1,163
County Totals	37	46	1,807	1,783	620	1,163
Sullivan						
Clay	1	0	5	5	0	5
Sand and Gravel	23	47	1,166	851	387	464

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Sullivan						
Sandstone	3	1	804	591	2	589
Shale	2	1	12	8	3	5
County Totals	29	49	1,987	1,455	391	1,063
Tioga						
Glacial Till	0	2	3	5	5	0
Sand and Gravel	33	36	1,950	1,521	625	896
Topsoil	1	1	31	23	18	5
County Totals	34	39	1,985	1,549	648	901
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	11	27	578	401	162	239
Topsoil	0	2	2	5	5	0
County Totals	14	33	749	564	285	279
Ulster						
Bluestone	3	0	56	31	0	31
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	405	237	0	237
Sand and Gravel	26	56	1,260	911	497	414
Sandstone	1	1	15	15	4	11
Shale	13	23	283	219	94	125
Topsoil	0	1	0	10	10	0
County Totals	50	85	2,469	1,496	650	847
Warren						
Garnet	1	1	180	162	55	107
Granite	1	0	183	117	0	117
Limestone	1	0	21	21	0	21
Sand and Gravel	33	32	881	525	126	399
County Totals	36	33	1,265	825	181	644
Washington						
Clay	0	2	10	10	10	0
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	41	66	1,635	1,104	473	631
Sandstone	1	1	12	13	1	12
Shale	2	1	18	10	6	4
Slate	1	0	25	5	0	5
Topsoil	1	2	75	41	26	15

Mine Commodities 2007

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Washington						
County Totals	59	73	2,397	1,494	517	978
Wayne						
Clay	0	1	28	28	28	0
Dolostone	2	0	398	274	18	256
Glacial Till	0	5	25	25	25	0
Limestone	1	0	72	55	0	55
Sand and Gravel	40	87	2,985	1,794	797	997
Topsoil	0	2	2	2	1	1
County Totals	43	95	3,510	2,178	869	1,309
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	28	30	948	516	273	243
Topsoil	0	1	15	15	15	0
County Totals	28	32	971	539	296	243
Yates						
Clay	1	1	35	25	20	5
Glacial Till	0	2	0	2	2	0
Salt	0	1	0	50	50	0
Sand and Gravel	12	8	344	261	100	161
County Totals	13	12	379	337	172	166
State Totals	2,191	3,230	146,700	95,742	30,734	65,034