

Department of Environmental Conservation

Division of Mineral Resources

New York State Oil, Gas and Mineral Resources 2002

Annual Report

New York State Department of Environmental Conservation

George E. Pataki, Governor

Erin M. Crotty, Commissioner

Division Mission Statement

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

This report was produced by the
NYS Department of Environmental Conservation

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New York State Oil, Gas and Mineral Resources

2002

State of New York
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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 recently experienced significant activity. Due to differences in legal reporting requirements, the types of statistics presented for the two programs are not identical. All information is for the year 2002.

Oil, Gas and Solution Mining

Inspections - Staff traveled 122,283 miles and performed 3,394 oil and gas inspections.

Permits and Completions

Gas:	Permits	97	Completions	43
Oil:	Permits	22	Completions	17
Other:	Permits	14	Completions	59
Total:	Permits	133	Completions	119

Wells Reported 2002 (All Types) - 12,783

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

Production & Market Value

Gas	36.8 bcf	Up	31%
Oil	179,266 bbl	Down	2%
Total O&G Mkt Value	\$116 million		

State Leasing - 84 leases were in effect covering 58,894 acres and 193 productive wells.

Revenues from Oil and Gas

State Revenues	\$429,685
Local Govt. Taxes (est.)	\$3.5 million
Landowner Royalties (est.)	\$14.5 million

Underground Natural Gas Storage - 23 facilities were 78% full at year-end.

Total Storage Capacity	207 bcf
Working Gas Capacity	105 bcf
Max. Daily Deliverability	1.927 bcf/day

Solution Mining - 5 facilities produced 2.17 billion gallons of brine equal to 2.5 million metric tons of salt.

Financial Security - In 2002 New York held \$12.1 million to guarantee well plugging and site reclamation.

Mined Land Reclamation

Inspections - Staff traveled 201,353 miles to perform 2,575 mine inspections.

Permits Issued

New Permits	56
Renewals	367
Total Permits	423

Fees Annual

Regulatory
\$1,874,563

Active Mines 2,417

Estimated Market Value \$1.01 Billion

US Production Rank by Quantity

Wollastonite	1st	Talc	4th
Garnet	2nd	Cement	10th
Salt	3rd	Sand & Gravel	12th

NY Rank by Value

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

Common Mine Types

Sand & Gravel	2,035
Limestone & Dolostone	98
Bluestone	52

Owner Type

Industry	1,832
Government	589

Affected Acreage 49,134

Life-of-Mine Acreage 120,361

Reclaimed Acreage, 2002 1,425

Reclaimed Since 1975 20,667

Financial Security - In 2002 New York required \$87.35 million to guarantee mine site reclamation.

DIRECTOR'S CORNER

From record-setting statewide natural gas production to recognition of outstanding reclamation of abandoned mined lands, 2002 was significant in many ways for the Division of Mineral Resources and the industries we regulate. The Division focuses on the safe, environmentally sound development of our state's non-renewable natural resources. Equally important are our regulatory programs which require that the environment be restored at the conclusion of development. You will see these themes throughout this year's annual report which has been enhanced to include additional information in the resource production and restoration areas.

The top story for New York in 2002 is the prolific natural gas production from the Trenton-Black River (TBR) formation. A modern state record of 36.8 billion cubic feet (bcf) of natural gas was produced in New York in 2002, 24.9 bcf of which was produced from only 46 TBR wells. Gas production from the 6,000 active wells producing from all other formations was approximately 12 bcf. See pages 30-35 for statistics on individual well and field TBR production and well spacing.

We estimate that over 75,000 wells have been drilled in New York since 1821, most of these before New York adopted a regulatory program. As we have found more abandoned wells than we have plugged, this is an uphill battle. We endeavor to plug or have plugged as many wells as possible using various mechanisms from enforcement to deployment of outside funding sources. The results of these efforts in 2002 are highlighted on pages 22-24 of the report.

There are over 2,400 active mines in New York from Long Island to Buffalo. Applications for new permits continued to decline in 2002 while applications to expand existing mines continued to increase. Almost 50,000 acres of land in New York are under permit to be mined. Although operating conditions are defined, reviewed and ultimately regulated through the mining permit

process, the reclamation plan for a site is equally important and must be reviewed and approved when a permit is issued. Mining staff approved final reclamation of over 1,000 acres in 2002 with an additional 374 acres reclaimed concurrently at operating mine sites.

While reclamation is required by law, it also provides an opportunity to enhance property by forming partnerships with the local community, open space advocates, environmental groups and other interested parties. The Division of Mineral Resources recognizes these accomplishments through its annual Mined Land Reclamation Award. The Town of North Hempstead in Nassau County received the 2002 Mined Land Reclamation Award for their reclamation of an abandoned sand mine. The 400-acre site, acquired by the Town in the late 1980s, was transformed at a cost of \$30 million into a championship 18-hole public golf course known as Harbor Links. Construction of the Harbor Links facility simultaneously removed a significant environmental threat, enhanced wetlands and created public open space. See pages 42-43 to learn more about this unique project.

Finally, as we continue to enhance our data collection efforts and mining regulatory databases, we undertook a focused effort in 2002 to enhance this annual report to present additional mining and product information specific to New York. We recognize that this effort could fill a need as there is no other comprehensive, official publication which contains this type of data on a consistent, recurring basis. The mining sections of this report have been expanded accordingly and appendices have been added. I urge you to review pages 38-53 for information on the types of mines in New York, their products and national rank. Information on mining permits issued and land reclaimed in 2002 is listed in new appendices on pages 89-112. As always, we encourage and welcome your suggestions to improve this publication and our service to the citizens and industries of New York.

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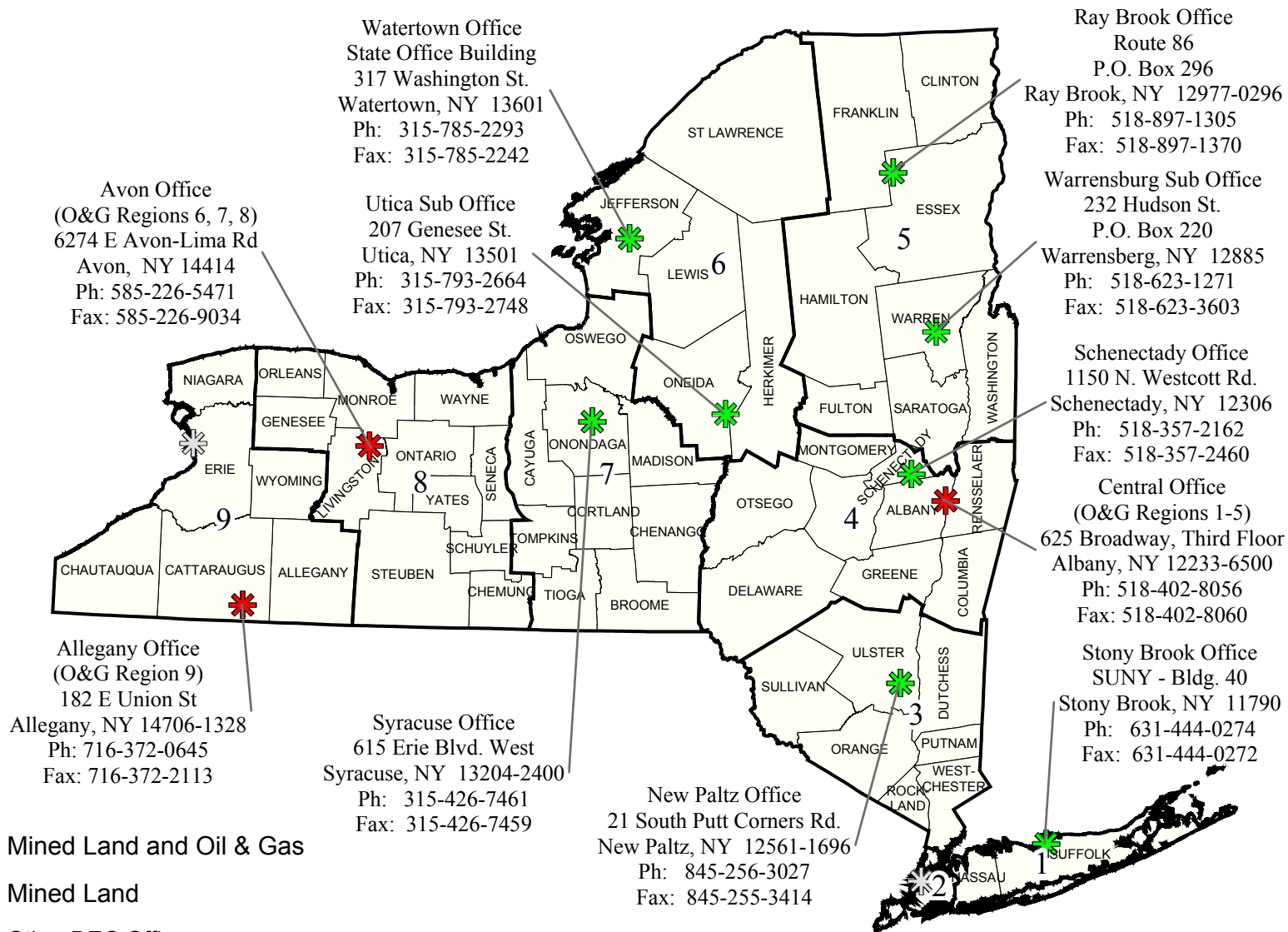
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Map 1 - Division of Mineral Resources Regional Service Areas



OIL, GAS AND SOLUTION MINING PROGRAM

The big news of 2002 continues to be the Trenton-Black River play in central New York. In 2002, 37 Trenton-Black River wells were drilled in 13 counties and industry wildcats have continued to expand the geographic boundaries of the play. The Lovell#1 API 31-101-22831 produced more than 4 bcf of gas for a second consecutive year. In addition, five other Trenton-Black River wells produced over 1 bcf in 2002.

Spurred on by these continued successes, New York's gas production rose 31% to reach a modern day high of over 36.8 bcf for 2002. Forty-six Trenton-Black River wells accounted for 68% of 2002 production, or 24.9 bcf. By the end of 2002, 14 Trenton-Black River Fields had been discovered in New York and we expect that ongoing exploration will continue to expand the number of these highly productive fields.

The Division held public meetings in 2002 to implement field-wide spacing rules and integrate interests for Quackenbush Hill, Pine Hill, Cutler Creek and Terry Hill South Fields. Many affected landowners and industry representatives attended the meetings. In 2002 Commissioner Crotty signed the Orders for Quackenbush Hill, Pine Hill and Cutler Creek Fields which established production units and authorized the release of royalties. Pennsylvania General Energy's payment of \$3 million in royalties is evidence of the great financial benefit that landowners receive from this play.

Sophisticated data collection methods, such as 2D and 3D seismic surveys, are now becoming commonplace in New York. Reports in 2002 of seismic crew activity in Niagara, Orleans, Genesee and Cattaraugus counties are a positive indication of industry's interest in New York's exploration potential. It is very likely that recently acquired seismic data will discover new undrilled exploration targets, such as reefs, stratigraphic traps and faulted anticlines.

An increasing number of New York operators are using horizontal drilling since it has become more economically feasible. Storage operators, such as Central New York Oil and Gas (CNYOG), are also using this technique to improve gas flow in and out of their storage facilities. When CNYOG began operation of Stagecoach Field in 2002, the combined maximum daily deliverability rate for New York's natural gas storage facilities jumped 35%.

New York's natural gas assets continue to provide opportunities for acquisition. Great Lakes Energy became the State's largest operator with 1,600 wells when the company bought 800 wells from Belden and Blake. Fortuna expanded their Trenton-Black River holdings by purchasing the New York assets of Fairman Drilling, East Resources and ABARTA Oil and Gas, including 18 deep wells.

The Division continued its efforts in 2002 to provide information to members of the public interested in oil and gas operations. Roughly 200 people attended a leasing seminar for central New York landowners sponsored by the Division and the Interstate Oil Gas Compact Commission. Regional Staff also held ten outreach meetings in various locations which drew a total of roughly 600 interested citizens. DMN also held a public meeting in Corning New York to provide information and to collect public comments on the proposed 2003 State lease sale.

The eastern part of the State saw its share of drilling activity also. In 2002 the Division received drilling permit applications for Trenton-Black River (Montgomery County), geothermal (New York City) and stratigraphic wells (New York City Water Tunnel). Central Office permitting activity is expected to increase as the exploration for deep gas targets moves eastward. "Green energy tax credits" offered for geothermal heat sources are also spurring new geothermal well drilling in the State.

DRILLING PERMITS AND WELL COMPLETIONS

Drilling Permits

Division staff issued 133 drilling permits in 2002: 89 gas, 8 gas storage, 22 oil, 9 brine, 1 geothermal and 4 stratigraphic wells (see Table 5 on page 20). The top three counties for permits were Cattaraugus (24), Chautauqua (17) and Erie (14) Counties. Interest in developing the Ordovician age carbonates of central New York remained strong during 2002 with 46 permits issued for the Trenton Black-River formation.

A complete list of drilling permits issued in 2002 can be found on page 59. A ten-year comparison of drilling permits issued versus completions is shown in Chart 1 below.

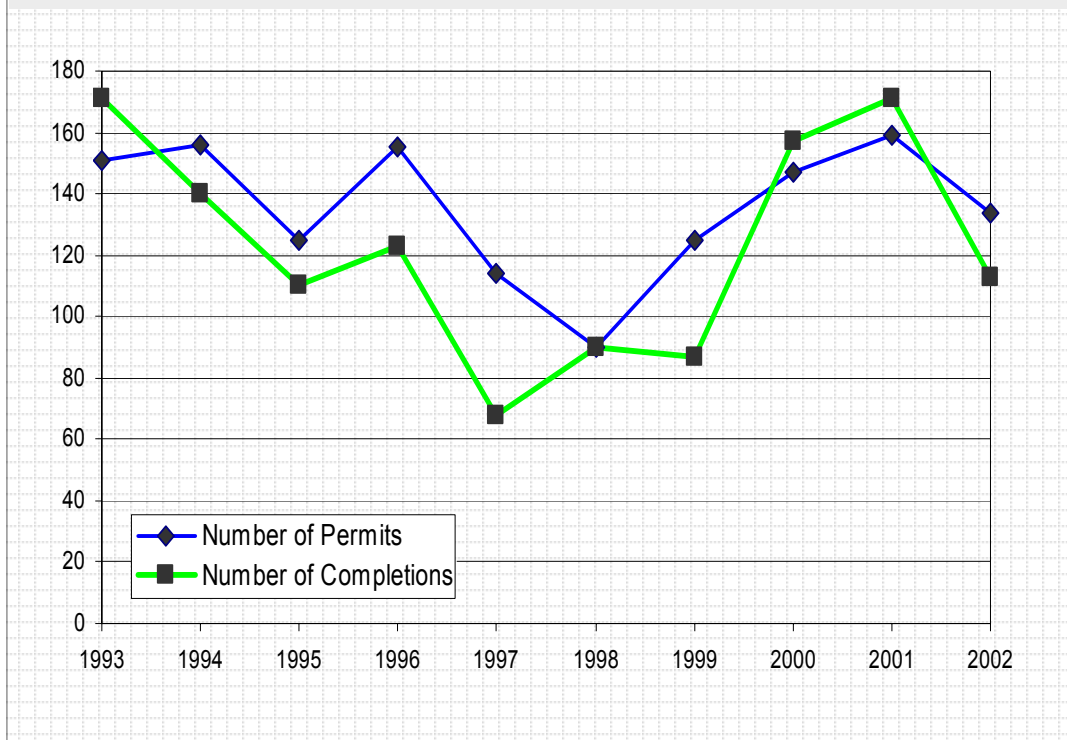
Well Completions

There were 119 gas, oil, gas storage, brine, stratigraphic and geothermal wells completed during 2002. Completed wells are listed in the table starting on page 63. Well type codes are listed on page 55.

In 2002 wells were completed in 19 of the State's 62 counties: Allegany, Broome, Cattaraugus, Cayuga, Chautauqua, Chemung, Erie, Genesee, New York, Onondaga, Ontario, Orange, Schuyler, Seneca, Steuben, Tioga, Tompkins, Wyoming and Yates.

The top three counties for completions were Cattaraugus (19), Steuben (18) and Tioga (10).

Chart 1 - Drilling Permits and Completions, 1993 - 2002



OIL & GAS WILDCATS AND FIELD EXTENSIONS

Wildcats

In 2002, 40 wildcats were drilled in 14 counties from Montgomery County on the east to Cattaraugus and Erie Counties on the west. Thirty-two of the wildcats targeted the Trenton-Black River formations which contributed over 68% of New York's gas production. In 2002 the deepest wildcat, Manwaring 624470, was drilled by Columbia Natural Resources in Tioga County to a true vertical depth of 11,552 feet.

Field Extensions

In 2002, five field extensions targeting the Trenton-Black River formation were drilled in Chemung and Steuben Counties. The wells were drilled in County Line, Quackenbush Hill, and Wilson Hollow fields. The latter two fields have been the most productive Trenton-Black River fields in the State.

Trends

The number of wildcats rose 166% from 15 in 2001 to 40 in 2002. The number of field extensions, however, dropped significantly from 15 in 2001 to 5 in 2002.

Wildcat wells were drilled in 14 counties in 2002, compared to 10 counties in 2001 and activity expanded eastward. The Beagell 2A discovery well in Broome County was over 42 miles east of the nearest Trenton-Black River production.

Codes for Tables 1 & 2 Pages 12-15

GW	Gas Wildcat (proposed)
GE	Gas Extension (proposed)

Chart 2 - Source Formation for NY Natural Gas, 1998-2003

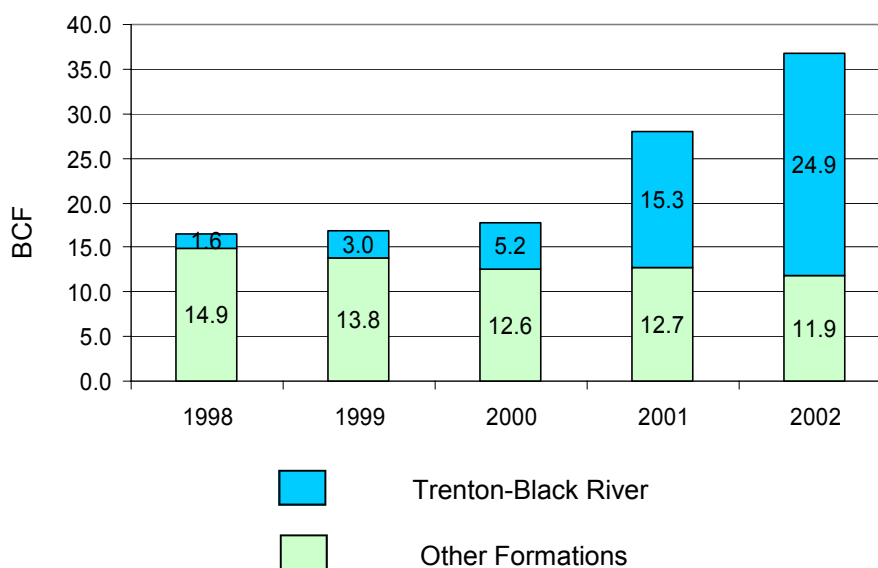


Table 1 - Wildcats Drilled to True Vertical Depth (TVD) in 2002

County/ Town	Company	API Number	Well Name	TVD	TD Date	Well Type	Field	Objective Formation
Broome								
Colesville	Belden & Blake Corp.	31007229840000	Merrill 1	9,874	12/7/02	GW	Unnamed	Black River
Colesville	Belden & Blake Corp.	31007229840100	Merrill 1-A	9,876	12/14/02	GW	Unnamed	Black River
Kirkwood	Belden & Blake Corp.	31007229950000	Beagell 2	10,260	10/13/02	GW	Unnamed	Black River
Kirkwood	Columbia Natural Resources	31007229950100	Beagell 2-A	10,126	10/29/02	GW	Ballyhack Ck	Black River
Cattaraugus								
Otto	Belden & Blake Corp.	31009108670001	McCracken, Harvey #1A	3,100	9/6/02	GW	Unnamed	Onondaga
Perrysburg	Seneca Resources Corp.	31009234800000	White #37549	1,455	7/18/02	GW	Unnamed	Upper Dev. Sh.
Perrysburg	Seneca Resources Corp.	31009234800100	White #37549a	1,232	7/20/02	GW	Unnamed	Upper Dev. Sh.
Perrysburg	Seneca Resources Corp.	31009234850000	Petyk #37548	1,439	7/26/02	GW	Unnamed	Upper Dev. Sh.
Yorkshire	Pennsylvania General Energy	31009234560000	Braymiller-Rauch #1454	6,565	1/26/02	GW	Unnamed	Trenton
Yorkshire	Pennsylvania General Energy	31009234560100	Braymiller-Rauch #1454a	6,578	2/1/02	GW	Unnamed	Trenton
Chemung								
Erin	Pennsylvania General Energy	31015229790000	Strope 1516	9,745	8/20/02	GW	Unnamed	Black River
Erie								
Collins	Seneca Resources Corp.	31029234900000	Skuse #37545	1,648	8/7/02	GW	Unnamed	Upper Dev. Sh.
Collins	Seneca Resources Corp.	31029234900100	Skuse #37545-A	1,601	8/10/02	GW	Unnamed	Upper Dev. Sh.
Collins	Seneca Resources Corp.	31029234910000	Ross #37547	1,613	8/19/02	GW	Unnamed	Upper Dev. Sh.

Table 1 - Wildcats 2002, Continued

County/ Town	Company	API Number	Well Name	TVD	TD Date	Well Type	Field	Objective Formation
Livingston								
York	Lenape Resources, Inc.	31051230030000	Simpson 3	4,986	12/16/02	GW	Unnamed	Black River
Montgomery								
Root	Millennium Natural Resource	31057210330000	Montanye, L. MNRD 1-A	1,863	7/26/02	GW	Unnamed	Black River
Onondaga								
Marcellus	Triana Energy, Inc.	31067229650000	Leubner 1	5,300	4/20/02	GW	Unnamed	Black River
Marcellus	Triana Energy, Inc.	31067229650100	Leubner 1-A	5,277	12/5/02	GW	Unnamed	Black River
Marcellus	Triana Energy, Inc.	31067229710000	Short 1	5,145	5/8/02	GW	Unnamed	Black River
Marcellus	Triana Energy, Inc.	31067229710100	Short 1-A	5,370	5/20/02	GW	Unnamed	Black River
Marcellus	Triana Energy, Inc.	31067229710200	Short 1-B	3,695	5/12/02	GW	Unnamed	Black River
Ontario								
Gorham	Belden & Blake Corp.	31069229850000	Bay 1	5,796	7/19/02	GW	Unnamed	Black River
Gorham	Belden & Blake Corp.	31069229850100	Bay 1-A	5,279	7/26/02	GW	Unnamed	Black River
Hopewell	Columbia Natural Resources	31069229430000	Stoddard 624633	4,965	1/3/02	GW	Unnamed	Black River
Schuyler								
Catharine	Fortuna Energy, Inc.	31097229350000	Wonderview Farms 1	8,762	1/18/02	GW	Unnamed	Black River
Catharine	Fortuna Energy, Inc.	31097229350100	Wonderview Farms 1-A	8,877	2/3/02	GW	Unnamed	Black River

Table 1 - Wildcats 2002, Continued

County/Town	Company	API Number	Well Name	TVD	TD Date	Well Type	Field	Objective Formation
Seneca								
Covert	Eastern American Energy Corp.	31099229500100	Ziefle 1-A	7,468	6/26/02	GW	Unnamed	Black River
Steuben								
Canisteo	Texas Keystone, Inc.	31101229380000	Burrow 1 NY-Ste	4,293	7/10/02	GW	Unnamed	Queenston
Caton	East Resources, Inc.	31101229630000	Maxwell 1	11,679	4/21/02	GW	Unnamed	Black River
Caton	East Resources, Inc.	31101229630100	Maxwell 1-A	11,502	11/1/02	GW	Unnamed	Black River
Corning City	Pennsylvania General Energy	31101229580000	Pace 1460	10,141	3/4/02	GW	Riverside	Black River
Prattsburg	Columbia Natural Resources	31101229490000	Gray 624468	8,330	6/4/02	GW	Unnamed	Black River
West Union	Fortuna (U.S.) Inc.	31101229780000	Ballymoney 1	10,660	10/1/02	GW	Unnamed	Black River
Tioga								
Tioga	Columbia Natural Resources	31107229340000	Manwaring 624470	11,552	1/3/02	GW	Unnamed	Black River
Tioga	Columbia Natural Resources	31107229340100	Manwaring 624470-A	11,123	1/16/02	GW	Unnamed	Black River
Tompkins								
Enfield	Phillips Production Co.	31109229980000	Stevenson 1	8,097	12/8/02	GW	Unnamed	Black River
Enfield	Phillips Production Co.	31109229980100	Stevenson 1-A	8,011	12/28/02	GW	Unnamed	Black River
Newfield	Phillips Production Co.	31109229970000	Albanese 1	8,940	11/2/02	GW	Unnamed	Black River

Table 1 - Wildcats 2002, Continued

County/Town	Company	API Number	Well Name	TVD	TD Date	Well Type	Field	Objective Formation
Yates								
Italy	Belden & Blake Corp.	31123228580000	Mulligan 1	6,102	1/27/02	GW	Unnamed	Black River
Italy	Belden & Blake Corp.	31123228580100	Mulligan 1-A	6,013	2/5/02	GW	Unnamed	Black River

Table 2 - Field Extensions Drilled to True Vertical Depth (TVD) in 2002

County/Town	Company	API Number	Well Name	TVD	TD Date	Well Type	Field	Objective Formation
Chemung								
Catlin	Pennsylvania General Energy	31015229180100	Gregory 1446-A	9,765	1/8/02	GE	Quackenbush Hill	Black River
Catlin	Pennsylvania General Energy	31015229600000	Chemung SRA 1 Parcel A	9,815	4/12/02	GE	Wilson Hollow	Black River
Catlin	Pennsylvania General Energy	31015229750000	Root 1514	9,608	7/13/02	GE	Wilson Hollow	Black River
Steuben								
Corning City	Pennsylvania General Energy	31101228710100	Henkel 1359-A	9,975	12/2/02	GE	Quackenbush Hill	Black River
Hornby	Pennsylvania General Energy	31101229760000	Youmans #1511	10,382	6/6/02	GE	County Line	Black River

PRODUCTION OF OIL & GAS

New York's reported natural gas production jumped to 36.8 bcf, a 31% increase from 2001. Over 24.9 bcf of gas came from just 46 producing Trenton-Black River wells. One well produced over 4 bcf.

Chemung County led in natural gas production for the first time, followed by Steuben County. Nearly all of Chemung County's production came from just 17 Trenton-Black River wells. Former long-time production leader Chautauqua County remained at third.

In 2002 New York's production of oil decreased roughly two percent to 179,266 barrels (bbl) from 183,094 in the prior year.

Table 3 lists the top ten gas producing counties, while Table 4 gives the top ten gas and oil producing companies, respectively. Map 2 on page 18 shows natural gas production by town. Chart 3 on page 17 shows the State's total oil and gas production for the past ten years. Well counts and gas production volumes are based on re-

ports submitted by well owners. For an explanation of the units of volume measurement, see the box on page 19.

Table 3

Top Ten Gas Producing Counties, 2002

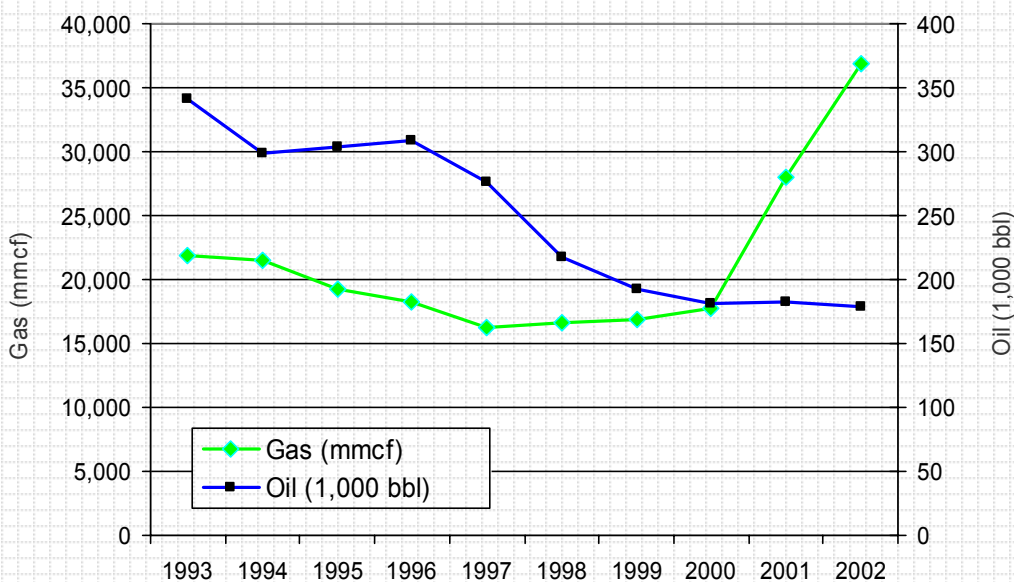
County	Gas (mcf)	Active Gas Wells	Average mcf/Well
Chemung	15,399,075	23	669,525
Steuben	9,269,280	44	210,665
Chautauqua	6,069,428	2,922	2,077
Erie	1,165,662	875	1,332
Cattaraugus	1,000,074	426	2,348
Cayuga	979,717	304	3,223
Genesee	781,793	492	1,589
Seneca	674,134	152	4,435
Schuyler	387,500	2	193,750
Wyoming	331,327	262	1,265

Table 4

Top Ten Gas and Oil Producing Companies, 2002

Company	Gas (mcf)	Company	Oil (bbl)
Pennsylvania General Energy	18,434,177	Richardson Petroleum Corp.	20,736
Columbia Natural Resources	3,911,367	East Resources, Inc.	10,235
Fortuna Energy, Inc.	3,861,292	Woods Oil Company, Inc.	9,414
Great Lakes Energy Partners	1,692,712	A. J. Lease Account	7,151
Belden & Blake Corp.	1,589,706	Otis Eastern Service, Inc.	4,683
Nornew, Inc.	1,030,705	REI-NY, Inc.	4,169
Seneca Resources Corp.	682,024	T.M. Quaintance Crude Oil	3,510
United States Gypsum Co.	612,023	Resource America, Inc.	3,073
Kastle Resources Enterprises	607,762	Great Lakes Energy Partners	1,958
Stedman Energy, Inc..	519,226	Belden & Blake Corporation	1,698

Chart 3 - New York State Oil and Gas Production, 1993 - 2002



Natural Gas

Natural gas is an important energy source for New York homeowners. Based on 2001 data, 5.4 million households use natural gas for home heat, cooking, heating water or other uses. For gas-fired heat, the average usage in New York is 69 mcf per year¹. The 36.8 bcf of natural gas produced in New York in 2002 was enough to heat roughly 533,000 homes.

Crude Oil

The first commercial oil well was drilled in New York in 1865. New York's crude oil is particularly high in paraffin, and is a preferred lubricant feedstock

¹ US DOE/EIA 2001 Residential Energy Consumption Survey

Landowner Wells

A large number of New York's gas well owners have just one or two wells. These wells, known as "landowner wells", are usually no longer productive enough for commercial purposes, but may produce enough gas to heat a house. The Division has prepared a brochure entitled "Do You Own or Intend to Buy a Natural Gas or Oil Well: Tips for Landowners". The brochure includes information on:

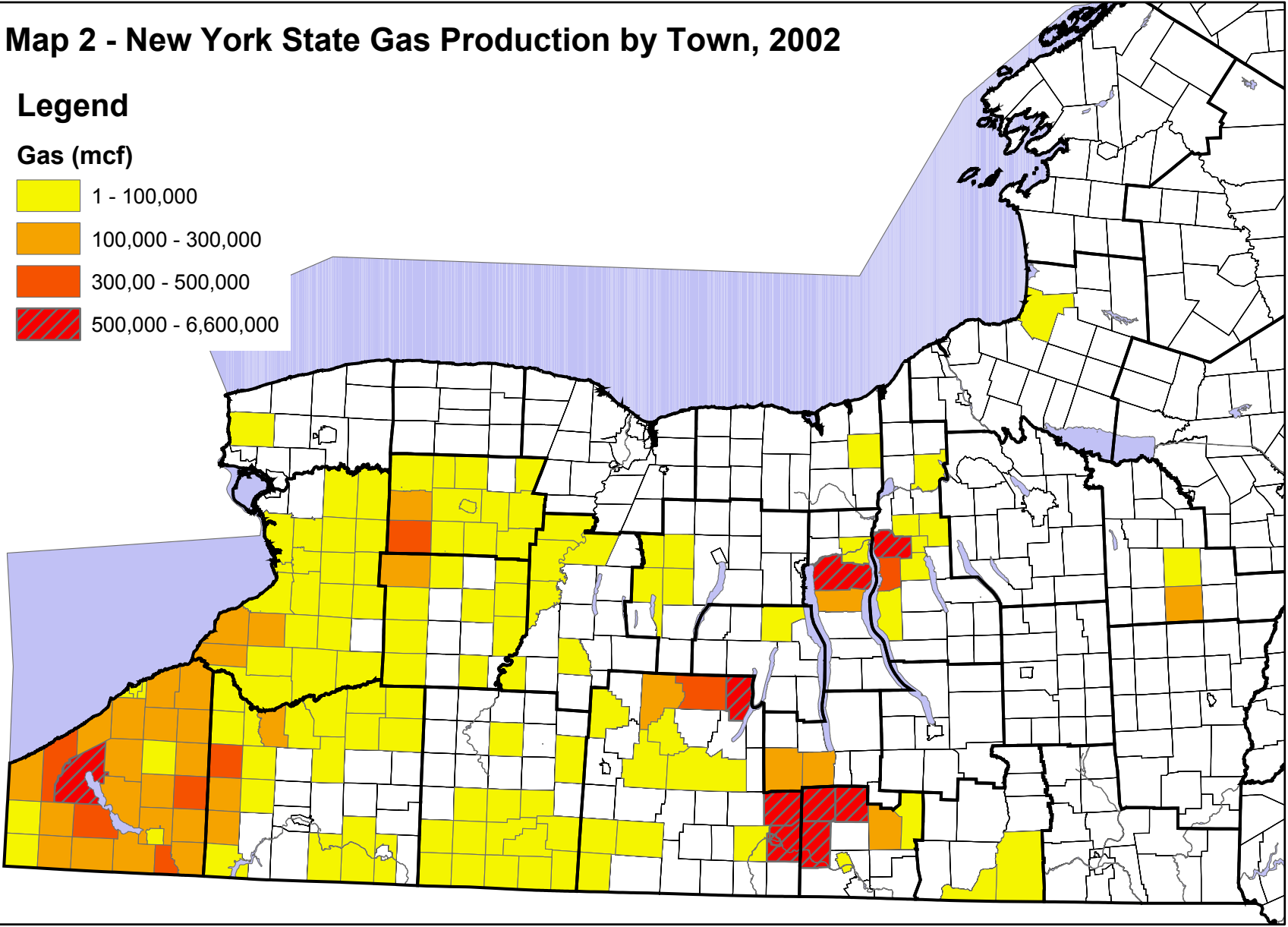
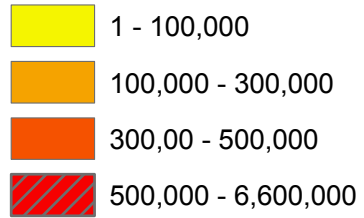
- how to identify an old well on land you own or might buy,
- your legal responsibilities when you own an unplugged well, and
- safety tips concerning gas hookups and signs of gas contamination in household water supplies.

For more information visit our website at www.dec.state.ny.us/website/dmn.

Map 2 - New York State Gas Production by Town, 2002

Legend

Gas (mcf)



MARKET VALUE AND ECONOMIC BENEFITS

Market Value

While New York experienced a significant increase in gas production in 2002, the State's total market value for oil and gas of \$116 million represented a 17 % fall from 2001, due mostly to lower gas prices. The market value of the reported 36.8 bcf of gas produced was over \$111.7 million. The market value of the reported 179,266 barrels of oil produced was roughly \$4.5 million, up 7% from 2000.

State Lease Oil and Gas Prices

The 2002 average gas price of \$3.03 per mcf was down 38% from \$4.85 per mcf in 2001. However, the oil price increased over 9% to \$24.92 per barrel in 2002. The average well-head prices were obtained from royalty payments made to the State for leases on State lands.

Royalties to Landowners

The majority of landowners with producing oil and gas leases receive a royalty. Based on an average royalty of one-eighth of the production value, landowners in New York received roughly \$14.5 million in royalties from 2002 oil and gas production.

Tax Revenues to Local Governments

Communities in oil and gas producing areas also benefit from the industry's activity. DEC estimates that real property taxes on 2002 natural gas and oil production were roughly \$3.5 million (gas \$3.35 million and oil \$134,000). To dampen the impact of gyrating oil and gas prices, local governments assess their taxes each year based on a unit of production value determined by the NY State Division of Equalization and Assessment using a five-year average.

Volume Measurements Used in Report

Throughout this report, you'll find the following units of volume measurement used for production.

Natural Gas

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

Crude Oil

bbl	barrel of oil (42 gallons)
-----	----------------------------

PERMIT FEES AND FINES

The Division of Mineral Resources collects revenues from oil and gas activity under the Oil, Gas and Solution Mining Law. In 2002 total oil and gas revenues were \$429,685: fines and penalties were \$21,000, permit depth fees were \$134,600, oil and gas account fees were \$14,400, storage permit fees were \$10,000, and the remaining leasing revenues of \$249,685, are discussed in further detail on page 21.

Each drilling permit application must include a depth-based fee of \$125 for the first 500 feet plus \$125 for each additional 500 feet up to a maximum of \$2,625 for wells over 10,000 feet deep. In addition, each application must include a \$100 fee which is deposited in the oil and gas account to plug abandoned wells. Storage facility permit fees are \$10,000 for a new permit and \$5,000 for a modification permit.

Table 5 - Permitted Well Types, 2002

County	Gas Well	Oil Well	Storage Well	Brine Well	Stratigraphic	Geo-thermal	Total
Allegany		4	1				5
Broome	5						5
Cattaraugus	16	8					24
Cayuga	3						3
Chautauqua	8	9					17
Chemung	7						7
Chenango					2		2
Erie	13		1				14
Genesee	4						4
Livingston	1						1
Montgomery	4						4
New York						1	1
Onondaga	6						6
Ontario	2		1				3
Orange					2		2
Schuyler	2			4			6
Seneca	2						2
Steuben	6	1					7
Tioga	2		5				7
Tompkins	6						6
Wyoming				5			5
Yates	2						2
Total	89	22	8	9	4	1	133

STATE LAND LEASING PROGRAM

At the end of 2002 the Division managed 84 leases covering 58,894 acres of State land, a decrease of 3,077 acres from 2001. The decrease resulted from expiration of several large leases that failed to enter the production phase.

There were 115 productive oil and gas wells on 41 State leases and an additional 78 wells unitized with State leases. The State earned royalties on these wells from 2.4 bcf of natural gas and 326 barrels of oil.

Oil and gas leasing of State land involves consultation at many levels. Drilling and operation plans are adjusted to protect the environment and public safety and accommodate the State's surface management goals for the parcel.

In 2002 leasing revenues from State land totaled \$249,685:

- Royalties - The State collected \$96,633 in royalties from 41 leases. This was a decrease of 43% from the previous year's total of \$168,524 and resulted from much lower gas prices. Natural gas prices averaged \$3.03 per mcf for the year and oil prices averaged \$24.79 per barrel.
- Delay Rentals - Operators submitted a total of \$79,435 in delay rentals from 29 leases, down 27% from the previous year's total of \$108,920.
- Storage Leases - Fourteen storage leases added \$73,617, down 27% from 2001's total of \$102,402.
- Lease Sales - There were no lease sales held in 2002.

While the royalties the State collects fluctuate with gas price and well production volumes, the main variable affecting State leasing revenues from year to year is whether or not a lease sale was held and bonus bids collected. Table 7 shows that the 1999 lease sale generated substantially higher income than years when sales were not held.

Table 6 - Leased State Land Acreage By County, 2002

County	Leased Acreage
Allegany	11,627
Broome	345
Cattaraugus	9,472
Cayuga	62
Chautauqua	16,923
Chemung	609
Erie	835
Madison	53
Ontario	55
Schuyler	11,574
Seneca	17
Steuben	4,201
Yates	3,098

Table 7 - Total Leasing Revenues, 1995 - 2002

1995	\$143,668
1996	\$143,592
1997	\$168,029
1998	\$279,523
1999	\$3,206,406
2000	\$181,876
2001	\$379,845
2002	\$249,685

ABANDONED WELLS



The Division estimates that over 75,000 oil and gas wells have been drilled in New York State since the 1820s. Most of the wells were drilled before New York established a regulatory program and many were never plugged. Every year the Division of Mineral Resources deals with a “new” group of problem abandoned wells in a wide variety of settings. Here is a selection of abandoned wells from 2002.

Residential Area - Pipeline company employees detected natural gas emanating from two residential lawns in the Village of Rushville, Ontario and Yates County. Explosive gas levels were also found inside a garage. Division staff uncovered two natural gas wells in the vicinity. Gas in the soil declined when the wells were vented under DEC direction. Roughly 24 gas wells were drilled in the village in the 1900's and need to be plugged when funds are available. The backhoe is excavating a leaking well next to a building.



School - During construction of a new bus garage at the Bolivar-Richburg High School in Allegany County, several buried abandoned wells were uncovered. Since no well records were available, the school had to bring in a small service rig (red equipment in foreground) to check the condition of the wells. All the wells had to be plugged before construction could resume. This is not the first school well incident that the Division has handled. For example, in nearby Wyoming County DEC plugged a gas well that was leaking brine in the parking lot of Wyoming County Central School in 1991.



Zoar Well Plugging Site. The construction of the access road and well site was designed to minimize disturbance to the surrounding area.

Public Lands - Using State Environmental Audit funds, the Department plugged seven problem abandoned wells on a wide range of public lands. DEC plugged three abandoned gas wells on the Three Rivers Wildlife Management Area in Onondaga County. One well had been flowing natural gas and another was discharging brine. In addition, DEC plugged four abandoned wells in Cattaraugus County, three on Cattaraugus Reforestation Area #22 in the Town of Allegany and one on the Zoar Multiple Use Area in the Town of Persia.

In a separate incident, another abandoned well was discovered on property that The Nature Conservancy purchased for possible addition to the Deer Creek Wildlife Management Area in Oswego County.

Seneca Lake - Through field and office work, Division staff discovered seven abandoned salt wells at the US Salt facility in the Town of Reading, Schuyler County. The wells had been abandoned for decades.

All the wells were less than 50 feet from the shore and adjacent to a steep grade which raised concerns about potential impacts to the lake. Rig access was very difficult, but the responsible party successfully plugged all the wells.



Ongoing Problems - Many abandoned well issues take several years to resolve as the Division pursues legal action against those responsible. The Moore Lease in Allegany County is a good example with more than 200 abandoned wells involved in legal actions. The Moore wells occur in a variety of settings (residential areas, roadside, woodland, field etc) and many are leaking oil.

Abandoned wells can leak oil, gas and/or brine. They can contaminate groundwater and surface water, kill vegetation and cause safety and health problems. Underground leaks may go undetected for years before their damage is discovered.

Priority Plugging List

Historically, abandoned wells have been discovered at playgrounds and parking lots, inside buildings, in wetlands, underwater in creeks and ponds, in wooded and brushy areas and in residential yards. Every year DEC staff discover additional abandoned wells during scheduled inspections or while investigating complaints. DEC staff evaluate the environmental and public safety threats posed by each well and place the most serious cases on the Priority Plugging List to be plugged whenever funds become available.

Currently, there are 634 wells in 18 counties on the Priority Plugging List. Allegany and Cattaraugus County have a considerable number of abandoned old oilfield wells on the Priority Plugging List, but problem oil and gas wells of all ages are on the list.

To date, only a small percentage of Priority Plugging List wells have ever been removed from the list. Wells removed from the list were plugged and abandoned with monies from the Oil and Gas Account and Environmental Audit Funds.

Environmental Audit Process

The Environmental Audit Program requires that each State Agency annually report any environmental problems associated with the lands and facilities they manage. Many agencies such as DEC, Parks, Urban Development, DOT and Mental Health have recently plugged leaking or abandoned wells identified in the Environmental Audit (see page 23 for DEC plugging on State lands). However, many abandoned wells located on State lands are still not being reported, such as those found on DOT right-of-ways.

In February Division staff made a presentation at a State Agency Environmental Audit Workshop. Division staff explained the need to report abandoned wells and showed the workshop attendees examples of abandoned wells and the wide variety of settings where they can be found.



This Priority Plugging List well in the City of Rome, Oneida County was discharging brine at a rate of five gallons per minute into a wetland adjacent to Brandy Brook and had already killed over an acre of vegetation in 1998.



The mostly wooden structure is an older style of drilling rig known as a cable tool rig. It is being used to plug a well in a DOT right-of-way next to a stream.

Plugging Permits

The Division issued 177 Well Plugging Permits in 2002. All wells must be plugged and abandoned at the end of their productive life. The Division ensures that the proposed plugging procedures will protect ground and surface water and the site will be properly reclaimed and revegetated.

COMPUTERIZED SERVICES

Web Site Statistics

Public use of the Division's website increased dramatically from the previous year. The average number of user sessions rose 39% from 2001 to 278 sessions per day in 2002. The length of the average user session increased from 11 minutes in 2001 to 16 minutes in 2002 for an increase of 46%. In addition, the number of page views rose by 10% and unique visitors rose by 17% compared to 2001.

As one of the Division's primary tools for distributing information, the website includes extensive information on both the Oil and Gas and the Mined Land Reclamation Programs.



The Division has further improvements planned for the website to increase its usefulness to the public, industry and local governments.

Electronic Reporting and Annual Reports

Approximately 14,500 wells need to be reported annually and the reports are due on March 31 for the preceding calendar year. The steadily increasing menu of electronic reporting options continues to make the process easier. In 2002 operators submitted electronic reports covering 4,650 wells and 11.5 BCF of gas, or 31% of the State's total of 36.8 BCF of natural gas.

In January the Division mailed 950 well owners a preprinted form showing all of their registered wells. For the past three years, well owners have also been able to file their reports using popular

spreadsheet formats and software files. In 2002 XML filings were added as a new electronic option. Computer filing is easier for many well owners and also reduces the chance of data entry errors.

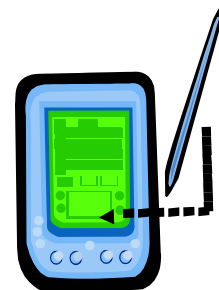
The Division intends to further expand the electronic reporting system so it is available to more operators.

Electronic Field Inspection Module

In the summer of 2002 Mined Land Reclamation staff began testing a new PDA-based electronic field-inspection technique. Prior to going out in the field, staff loaded a PDA with existing data on regional mines and a program that facilitates recording inspection information (site conditions, permit compliance status, etc.). After returning to the office, staff then electronically uploaded the information to the Division's database. As of the end of 2002, this project continued in the beta testing phase with Mined Land staff putting it through field trials and Central Office Staff making additional enhancements to the program.

When the new system is fully implemented, it will significantly reduce the amount of time staff must spend recording inspection data and transferring it to the Division's database. It will also reduce the chance of data entry errors and improve access to inspection data.

Eventually the electronic inspection module will be used routinely by both the Mined Land Reclamation and Oil and Gas Programs during every field inspection.



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

UNDERGROUND GAS STORAGE

Twenty-three natural gas and three liquefied petroleum gas underground storage facilities operated in ten counties in the western and central parts of New York during 2002.

Natural Gas Storage

Table 8 summarizes the 2002 year-end status of underground natural gas storage in New York and Table 9 details activity during the year at each storage field. Storage operators injected 65.8 billion cubic feet of natural gas into storage during 2002 and delivered 67.4 billion cubic feet. New York's storage reservoirs were 78% full at the end of the reporting year and year-end working gas in storage represented 57% of working capacity. More than 900 storage field wells were used during the year for injection, withdrawal or monitoring.

Central New York Oil and Gas (CNYOG) commenced natural gas storage operations at Stagecoach Field in Tioga County in January 2002. The addition of Stagecoach Field increased maximum daily deliverability of natural gas from storage by 500 million cubic feet, or 35%, to 1.927 billion cubic feet per day.

Twenty-two of New York's underground natural gas storage facilities are in depleted reservoirs and one is in a solution-mined cavern. More gas is stored in the Oriskany sandstone formation than in any other rock unit in New York. Used for storage at 10 fields including Stagecoach, the Oriskany accounted for 65% of total statewide capacity, 65% of working storage capacity and 61% of total maximum daily deliverability. The largest single storage field with respect to capacity, Dominion Transmission's Woodhull Field in Steuben County, can hold up to 35.9 billion cubic feet of gas in the Oriskany formation.

Permit Applications – In December Wyckoff Storage Corporation submitted an application to develop a new underground natural gas storage field in a depleted gas production field in Steu-

ben County. Earlier in the year, staff continued review of an application previously submitted by Seneca Lake Storage Inc. for a proposed salt cavern storage project in Schuyler County. Staff also reviewed a proposal by National Fuel Gas Supply Company to extend the boundary of its Beech Hill natural gas storage field in Allegany County. All three proposals remained under active review at the end of 2002.

Liquefied Petroleum Gas Storage

New York's three liquefied petroleum gas (LPG) underground storage facilities are in Cortland, Steuben and Schuyler Counties. The facilities store propane, butane and other liquid hydrocarbons for delivery to market as needed. Operators reported that at year-end 2002, 30,632,000 gallons of LPG were in storage. The volume stored at year-end represents 21 percent of total storage capacity.

Liquefied petroleum gas is stored in caverns excavated in the shales of the Genesee Group or solution mined out of the Salina Group salt formations, which are the same formations used by New York's five solution mining facilities.



A well at the Woodhull Storage Field in Steuben County. The reservoir has the largest storage capacity in New York.

**Table 8 - 2002 Summary and Year-End Status
Underground Natural Gas Storage**

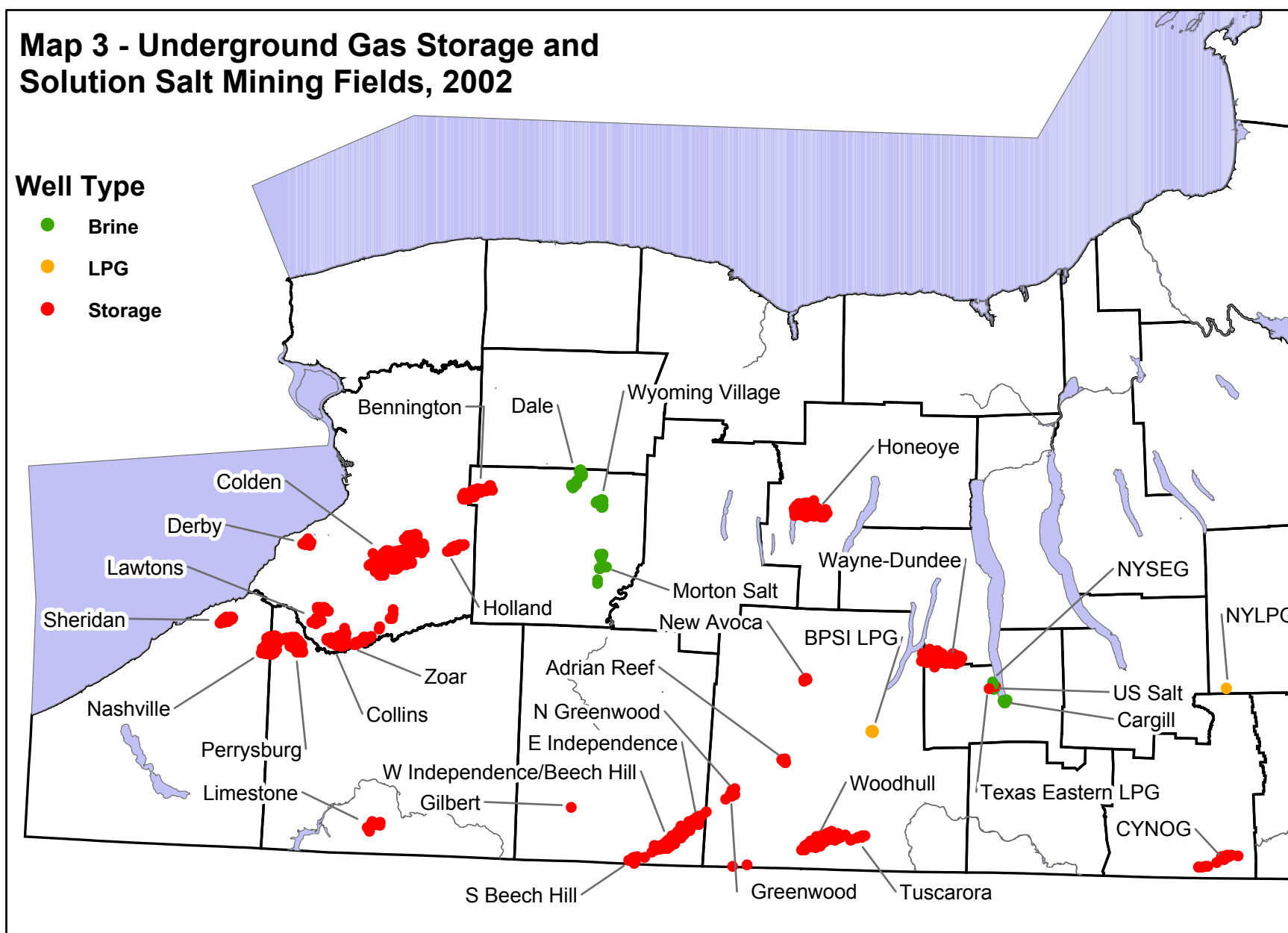
	Onondaga	Oriskany	Medina	Salt Cavern	Total
Number					
Fields	2	10	10	1	23
Wells	50	327	525	3	905
Acreage					
Reservoir	2,473	30,841	42,630	4	75,948
Total	7,112	62,051	102,946	4	172,113
Total Storage Gas					
Capacity (bcf)	10.700	134.754	59.280	2.340	207.074
Year-End (bcf)	8.287	107.423	44.990	1.399	162.099
Working Gas					
Capacity (bcf)	6.863	68.627	27.973	1.450	104.913
Year-End (bcf)	4.450	41.296	13.683	0.509	59.938
Max Daily Deliverability (mmcf/day)	100	1,171	511	145	1,927



Stagecoach Gas Field, which started operation in 2002, is the easternmost underground natural gas storage field in the US. The field uses innovative horizontal wells to increase gas flow. Well CNYOG W-4 is in the foreground and well W-8 and an equipment building are in the background.

Table 9 - Summary Storage Field Activity, 2002

	Total Number Wells	Total Storage Capacity (bcf)	Gas to Storage (bcf)	Gas from Storage (bcf)	Designed Max. Deliverability (mmcf/day)
Dominion Transmission, Inc.					
Woodhull Field	51	35.904	11.648	13.489	357
Central NY Oil and Gas					
Stagecoach Field	18	13.750	13.239	1.796	500
Columbia Gas Trans. Corp.					
Dundee Field	134	11.000	3.104	3.789	77
Greenwood Field	7	3.600	0.056	0.031	5
N. Greenwood Field	2	3.200	0.339	0.433	9
Honeoye Storage Corp.					
Honeoye Field	39	10.780	3.242	3.877	55
National Fuel Gas Supply					
Beech Hill Field	51	23.000	4.541	5.114	66
Bennington Field	64	5.000	1.930	2.283	75
Colden Field	166	16.220	6.894	9.688	110
Collins Field	47	5.880	1.395	1.964	50
Derby Field	14	0.250	0.168	0.135	5
E. Independence Field	11	6.400	1.848	2.352	15
Holland Field	26	2.600	0.571	0.861	25
Lawtons Field	32	2.470	0.560	0.981	21
Limestone Field	14	19.800	0.957	0.001	37
Nashville Field	71	8.530	1.887	2.898	110
Perrysburg Field	40	3.850	0.574	1.173	35
Sheridan Field	26	3.700	0.799	0.912	25
Tuscarora Field	8	6.300	3.012	3.972	57
W. Independence Field	31	11.800	3.201	3.683	49
Zoar Field	38	2.200	1.193	1.102	40
NYS Electric & Gas					
Seneca Lake Field	3	2.340	0.757	1.348	145
Steuben Gas Storage Co.					
Adrian Reef Field	12	8.500	3.867	5.501	60
Totals	905	207.074	65.781	67.384	1,927



TRENTON-BLACK RIVER PRODUCTION AND FIELD SPACING

Development History

2002 Trenton-Black River drilling resulted in discovery of three new fields. All such discoveries require hearings unless the field is 100% leased or controlled by the operator.

Early developers of the Trenton-Black River natural gas resource in New York included Pennsylvania General Energy (PGE), Fairman Drilling Company (Fairman), East Resources and Columbia Natural Resources (CNR).

During 2002 PGE conducted the first three-dimensional seismic survey in New York specifically designed to delineate Trenton-Black River reservoirs. The survey was conducted in the vicinity of Wilson Hollow, Quackenbush Hill and Cutler Creek fields.

Starting in late 2002, Fortuna Energy (Fortuna) acquired assets from Fairman, East Resources, PGE and CNR to become New York's top Trenton-Black River producer. Fortuna presently operates every field discussed on this page except for the Pine Hill and Glodes Corners fields operated by CNR.

2002 Spacing and Integration Orders

Commissioner Erin Crotty signed four Trenton-Black River Orders during 2002 (see Table 10 on page 32). The Orders established field-wide spacing rules and integrated interests within ten spacing units in three fields in Steuben and Chemung Counties. The Orders for Quackenbush Hill field cover five spacing units; Pine Hill field includes four units and Cutler Creek field includes a single unit. The Orders govern royalty interest distribution within the established units. Except for Pine Hill field, the Orders also establish procedures for permitting future wells and integrating future units in the affected fields. Procedures for future permitting and integration were not required for Pine Hill field because the operator demonstrated that the field

has been fully developed. If Pine Hill field is extended by future drilling, further proceedings will be required to establish and integrate units for the extension wells.

The Commissioner's Orders discussed above were issued after the Department held public hearings as required by law. Prior to each hearing, Department staff and the field's operator agreed upon field-specific proposed spacing and integration rules. These proposals were memorialized in executed stipulations for each field. Additional stipulations were executed during 2002 for Terry Hill South, Sugar Hill and County Line fields. Terry Hill South field is comprised of eight proposed units in Chemung and Schuyler Counties. One proposed unit entirely within Schuyler County makes up Sugar Hill field. County Line field acreage includes five proposed units in Chemung, Schuyler and Steuben Counties.

After a Commissioner's Order is issued, extension units where compulsory integration is necessary are established by Order of the Director of the Division of Mineral Resources. One such Order, for a 638-acre unit added to Wilson Hollow field (the Parker Unit), was issued during 2002. Final Commissioner's Orders which established the procedures for extending Wilson Hollow field had been issued during 2001.

Cumulative Production

Through year-end 2002, New York's Trenton-Black River wells produced a total of 50,193 mmcf of gas. Table 11 on page 32 shows the Glodes Corner Road field as having the greatest number of months in production. This table also shows that wells in Quackenbush field had the largest average production per month, followed by Sugar Hill field. Table 12 gives detailed information on each well's cumulative gas production. This table is organized by highest total field production with Wilson Hollow listed first and Quackenbush Hill field second.

Map 4 - Trenton Black-River Fields, Central NY

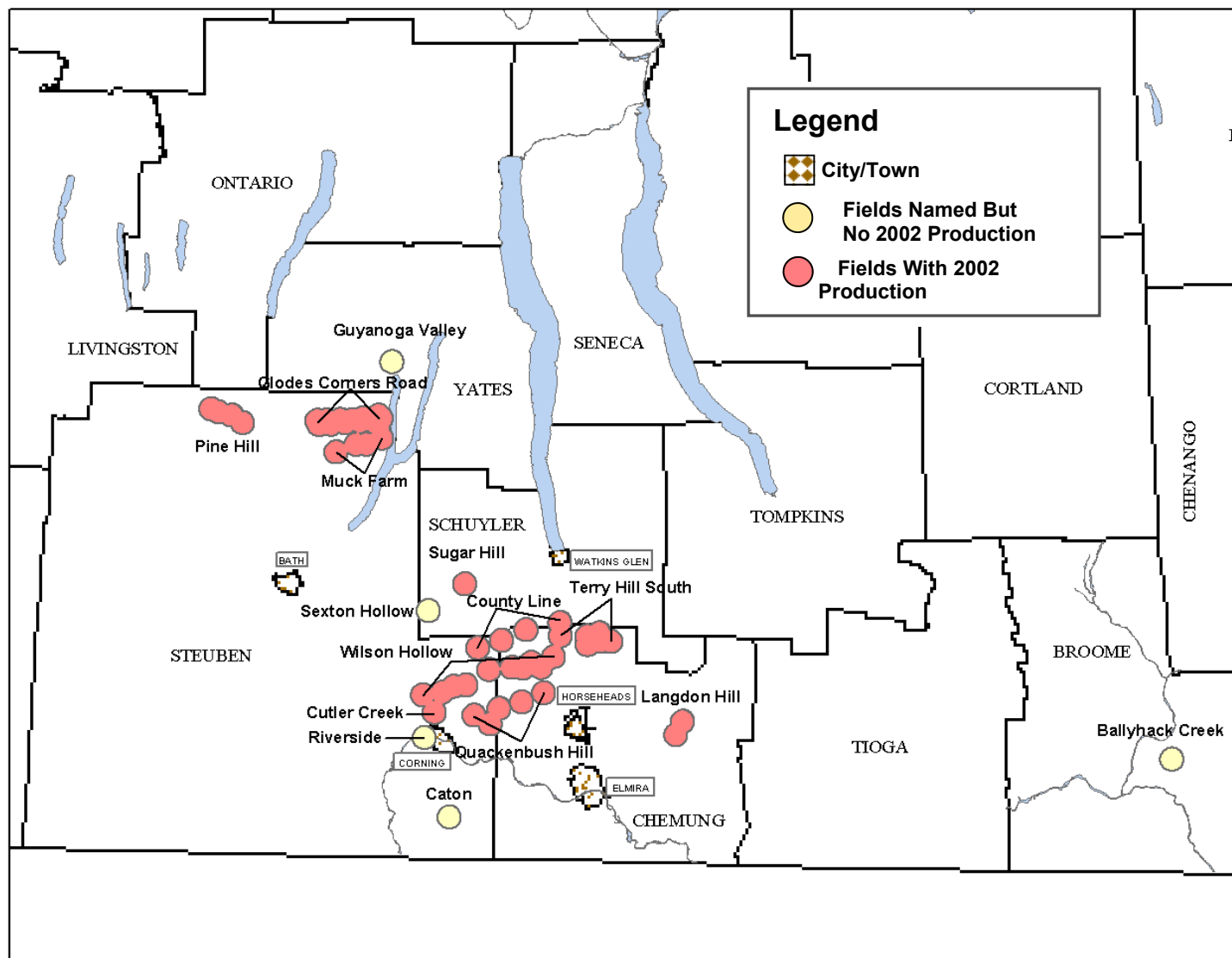


Table 10 - Spacing Orders Finalized or Proposed in 2002, Trenton-Black River

Field Name	Effective Date	Unit Sizes For Wells Drilled Before Order	Allowable Unit Sizes Future Wells	Minimum Spacing Future Wells
Quackenbush Hill (1)	1/23/02	631 - 636 acres	560 - 640 acres	9,000 feet apart
Pine Hill	9/30/02	382 - 433 acres	not addressed	not addressed
Cutler Creek	10/1/02	636 acres	560 - 640 acres	9,000 feet apart
Quackenbush Hill (2)	12/30/02	638 acres	560 - 640 acres	9,000 feet apart
Terry Hill South	proposed	323 - 640 acres	323 - 640 acres	9,000 feet apart
Sugar Hill	proposed	634 acres	not addressed	not addressed
County Line	proposed	499 - 636 acres	320 - 640 acres	9,000 feet apart

Table 11 - Summary Cumulative Production to Year-End 2002, Trenton-Black River

Field Name	Longest Months Production for a Well in Field	Number of Wells*	Average MMCF Per Month Per Well**	Total MMCF Through 2002
Glodes Corner Road	72	12	15	8,174
Wilson Hollow	38	10	94	16,525
Muck Farm	28	4	48	5,401
Pine Hill	26	3	4	319
Quackenbush Hill	25	5	146	12,402
Terry Hill South	22	5	53	4,429
Langdon Hill	19	2	26	607
Cutler Creek	18	1	94	1,685
County Line	15	3	14	419
Sugar Hill	2	1	116	232
Total All Trenton-Black River Fields to Year-End 2002				50,193
** Excludes Shut-in Wells				
*** Total field production divided by total months of production for all wells				

Table 12 - Detailed Cumulative Production to Year-End 2002, Trenton-Black River

Field and Wells	API Number	Months In Production	Total Production MMCF
Wilson Hollow Field			
Howe	31101228140100	30	4,066
Jimerson	31101227710000	38	2,986
VanVleet	31101228520000	22	1,333
Fratercangelo	31101228840100	15	1,908
Rice	31101228250000	27	438
Parker	31015228910000	11	2,870
Hardy	31015229190100	11	983
Chemung SRA #1	31015229600000	7	863
Root	31015229750000	3	629
Lederer	31015229020100	11	449
Field Total			16,525
Quackenbush Hill Field			
Lovell	31015228310000	25	8,386
Rhodes	31015228530000	19	2,277
Hartman	31101228920100	16	1,062
Henkel	31101228710100	18	164
Gregory	31015229180100	7	513
Field Total			12,402
Glodes Corner Rd. Field			
Levandowski	31101216880000	50	994
Covert 1	31010216890100	50	993
Smith	31101217050000	48	905
Gray	31101215920000	72	828
Fox	31101217060000	49	840
Pizura	31101216920000	50	744
Bergstresser	31101217100000	40	828
Covert 2	31101227680000	24	715
Radigan	31101217030100	34	492
Ballam-Carter	31101227690000	24	605
Evangelos	31101194970000	59	175
Kozak	31101217120000	38	55
Egresi	31101227720000	0	shut-in
Field Total			8,174

Field and Wells	API Number	Months In Production	Total Production MMCF
Muck Farm Field			
Snyder	31101227550000	28	2,084
McAllister	31101227480000	28	1,904
Smith	31101227470000	28	877
Faber	31101227450000	28	536
		Field Total	5,401
Terry Hill South Field			
Kimball	31015228570000	17	1,450
Lant 1	31015228620000	22	1,233
Broz	31015228260000	17	654
Clauss	31015228890100	15	463
Kienzle	31015228800100	13	629
Gublo	31015229100000	0	shut-in
		Field Total	4,429
Cutler Creek Field			
Corning Game Club	31101228850000	18	1,685
		Field Total	1,685
Langdon Hill Field			
Monahan	31015228380000	19	589
Usack	31015229330000	4	18
		Field Total	607
County Line Field			
Whiteman	31015228390000	15	170
Purvis	31097228930000	6	155
Roy	31015229010000	10	94
Youmans	31101229760000	0	shut-in
		Field Total	419
Pine Hill Field			
Wolcott	31101227600100	26	155
Peck	31101227660000	26	122
S&D Farms 1	31101227580100	26	42
S&D Farms 1B	31101227590200	0	shut-in
		Field Total	319

Field and Wells	API Number	Months In Production	Total Production MMCF
Sugar Hill Field			
SRA 2	31097228410000	2	232
			Field Total 232
Riverside Field			
Pace	31101229580000	0	shut-in
			Field Total 0
Guyanoga Valley Field			
Walters	31123227750100	0	shut-in
			Field Total 0
Sexton Hollow Field			
Grand Prix 1	31097228300000	0	shut-in
			Field Total 0
Ballyhack Creek Field			
Beagell 2 A	31007229950100	0	shut-in*
			Field Total 0
Total All Trenton-Black River Fields to Year-End 2002			50,193

* Field began producing in 2003



Landowners typically receive royalties of 1/8 or 12.5% of the value of production from a well draining their land. Some landowners in the Trenton-Black River trend are collecting royalties of \$100,000 or more per year.

SOLUTION MINING

Five solution mining facilities in New York (see Map 3 on page 29) produced 2.17 billion gallons of saturated brine, or about 2.5 million metric tons of salt, in 2002. Operators of these five facilities injected 2.23 billion gallons of fresh and recycled plant process water into bedded salt zones of the Upper Silurian Salina Group to recover the brine. Brine withdrawals for 2002 represent a slight decrease compared to 2001's figure of 2.20 billion gallons. The value of New York's 2002 solution salt mining production is estimated at \$100 million.

The 147 operating wells reported in 2002 include injection wells, withdrawal wells, wells equipped for both injection and withdrawal, and standby wells. Table 13 gives the number of operating and plugged wells at each facility.

U.S. Salt, Cargill, and Morton produced brine to supply on-site evaporation plants which manu-

facture and package table salt, water conditioning salt, and salt for other uses. Texas Brine and Occidental Chemical supplied chemical manufacturing plants in Niagara Falls via 60-mile-long brine pipelines.

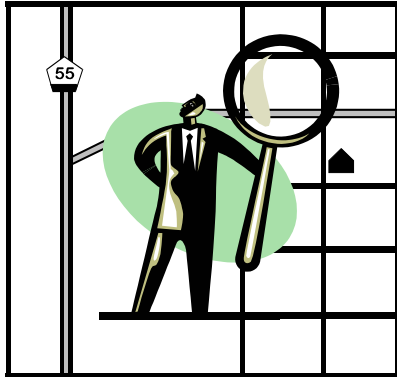
During 2002 the Department reviewed and approved Morton Salt's proposal to add 514 acres to its solution mining field in Wyoming County. Department staff also required Akzo Nobel to plug seven abandoned wells originally drilled in the early 1900s on the shores of Seneca Lake in Schuyler County.

In 2002 solution mining facilities accounted for approximately 50% of New York's total mined salt production, with the remainder extracted by conventional underground mining. According to U.S. Geological Survey statistics, New York typically ranks third among the states in total annual salt production volume.

Table 13

Status of Solution Salt Mining in New York, 2002

Operator	County	Town	Year Started	Operating Wells	Plugged Wells
U.S. Salt	Schuyler	Reading	1893	11	61
Cargill	Schuyler	Dix	1898	17	13
Morton	Wyoming	Castile & Gainesville	1884	21	24
Texas Brine	Wyoming	Middlebury (Dale Field)	1970	53	90
Texas Brine	Wyoming	Middlebury (Wyo. Vil. Field)	1984	45	23
Total				147	211



To find out more details about wells in your area, see the Appendices starting on page 55:

- **Drilling Permits Issued 2002**
- **Wells Completed in 2002**
- **Gas & Oil Production by Town, Field and Formation**

MINED LAND RECLAMATION PROGRAM

Mines and Permits

In 2002 there were 2,417 active mines in New York State with mining in every DEC Region except the Region 2 - New York City area. Permit numbers for 2002 showed the continuing trend of fewer applications for new mines and increased number of applications to expand existing mines. In 2002 staff issued 56 new permits and 367 renewals for a total of 423 permits. See the Appendix starting on page 91 for more details on permits issued in 2002.

Inspections and Enforcement

Mined Land Reclamation staff conducted 2,575 field inspections during the year, traveling over 201,353 miles.

Affected Acreage and Life-of-Mine Area

Mining permits are issued for a set term not to exceed 5 years, so they must be periodically renewed. The affected land under permit in 2002 was 49,134 acres. Applicants must also identify the total area expected to eventually be mined at locations currently under permit. The total Life-of-Mine area for 2002 was 120,361 acres. Table 15 shows the number of mines in each size range based on affected acreage.

Permit Fees and Fines

In 2002 the Division billed mine operators for \$1,874,563 in annual regulatory permit fees and imposed \$235,200 in fines and penalties.

Table 14 - Owner Type, 2002

Industry	1,832
Town	503
County	64
State	17
Federal	1



Statistics in this report refer solely to mines that need a permit under the Mined Land Reclamation Law.

♦ 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 body of water not classified as "protected" by Article 15 of the ECL.

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

Reclamation and Financial Security

Mined Land staff approved final reclamation of 1051 acres at 93 closed mines and concurrent reclamation of an additional 374 acres at operating mines. Since 1975 a total of 20,667 acres have been reclaimed. In 2002 the Division of Mineral Resources held \$87,349,191 in financial security to guarantee reclamation of mines.

In 2002, final reclamation of mines occurred in 46 of the State's 62 counties. DEC Region 8 had the highest regional totals, both for number of mines with final reclamation completed during the year (30 mines) and the total acreage at the involved mines (429 acres). See the Appendix starting on page 107 for further details on final reclamation of New York mines in 2002.

Table 15 - Mine Size, 2002

Minor projects*	82
0 - 5 acres	814
6 - 10 acres	584
11 - 20 acres	449
21 - 30 acres	178
> 30 acres	310
* Less than 5 acres and meet certain criteria	

Map 5 - Mines of New York State



2002 Mined Land Highlights

Bluestone Authorizations - The Legislature amended the Mined Land Reclamation Law and created a new Bluestone Exploration Authorization option in recognition of the industry's need to explore for new bluestone deposits without the burden of the full mining permit application process. Under the Exploration Authorization, an operator can extract small quantities of stone (up to 500 tons per year) from a maximum one-acre site to determine if the material is workable and marketable. The Authorization provides environmental protection similar to a permit and is renewable for one additional year. At the end of exploration, the operator must either reclaim the site or obtain a regular Mining Permit.

Bonding Problems - In 2002 surety companies cancelled bonds at a higher rate than previous years. Regional staff also noticed reluctance on the part of financial institutions to provide bonds or other securities for mine operations. Since there has not been any significant change in the overall health of the mining industry, these changes are probably related to increased fiscal conservatism of the insurance industry since September 11. In 2002 staff also noticed a spike in transfer of mining permits to new owners.

Wollastonite Mine Expansion Plans - NYCO Minerals Inc., proposed a major expansion of their wollastonite mine in the Town of Lewis, Essex County. New York State is the only producer of wollastonite in the country. The proposed modification would expand the current 59-acre Life-of-Mine area by roughly 50%.



Mined Land staff performed 2,575 mine site inspections in 2002 in all kinds of weather.

Unique Coal Waste Project - At New York's invitation, USEPA officials visited the Hanson Aggregates Clarendon mine in Orleans County where coal combustion waste (CCW) is being used to backfill the mine. In 2002 EPA published a proposed rule to govern the placement of CCW in mines and visited several mines using CCW across the country. The Hanson mine is the only site in New York authorized to use CCW for mine backfill and the work is proceeding under a Research and Demonstration permit issued by the Division of Solid and Hazardous Materials.

Cargill Salt Mine Expansion - Cargill, Inc submitted a permit modification application to expand their underground salt mine in Cayuga County from roughly 8,000 acres to 13,000 acres. The mine extends under Cayuga Lake and has been in operation for over 60 years.



Processing equipment similar to this screen and wash plant allows mine operators to wash, sort and produce aggregate of varying sizes to meet the required specifications for a job.



In 2002, Region 5, Region 7 and Central Office staff made a coordinated effort to add a large garnet boulder for the new outdoor trail on State symbols at DEC's Log Cabin at the State Fairgrounds. The garnet boulder was donated by Barton Mines LLC in Warren County. The mine has been reclaimed, the company continues operations at another nearby location.

Region 3 staff acquired a donation of garnet sand from Patterson Materials Corp. to hand out as samples to fair visitors.

Zinc Mine Temporary Closure - Zinc Corporation of America (ZCA) has operated mines in the Balmat-Edwards areas of St. Lawrence County for decades. With ore exhausted, the company started reclaiming their Pierrepont facility in late 2002. This leaves the Balmat # 4 as ZCA's only remaining active mine. During 2002, Horseheads Industries, the parent company of ZCA declared bankruptcy. DEC expects that the mine will be sold to a new owner and reopened.

Award for Public Outreach -The Interstate Mining Compact Commission presented an Honorable Mention Award to Andy Stokes of Callanan Industries (Callanan) of Albany. Callanan was one of the first mining companies to see the value of outreach in the form of public speaking engagements, mine tours for elementary school students, nature trails constructed next to their quarries and annual open houses at their facilities. Callanan is one of the largest producers of concrete aggregate, asphalt aggregate, sand and gravel and ready mix concrete in New York State.

Native American Mining Operations - Mineral Resources staff continued to monitor the transfer of active mining operations to the Oneida

Indian Nation in Central New York. These mines operate without DEC oversight and have attracted media attention. One mine that provided construction material for the Oneida Nations casino has serious erosion and visual impacts that affect nearby New York State citizens.



In 2002, New York had 93 limestone and dolostone mines that represented 90% of the rock sold in the State.

MINED LAND RECLAMATION AWARD, 2002

The Town of North Hempstead, Nassau County, is the recipient of the 2002 New York State Mined Land Reclamation Award. The town did an outstanding job of turning more than 400 acres of an abandoned sand mine into the community's first public golf course. Harbor Links is considered one of the finest golf courses on Long Island and is a perfect example of how a strong commitment to the environment, coupled with sound planning, can transform an environmental liability into a public asset.

The majority of material from the site was used for construction in New York City. When mining ended in the late 1980s, after more than 100 years of operation, the land had very rugged topography and severely eroding bluffs that threatened nearby property.

The erratic drainage patterns in this wasteland led to accumulation of silt in low spots and the subsequent formation of ponds and wetlands. All wetlands on the property are subject to fed-

eral regulations and two of the wetlands are regulated by the New York State Freshwater Wetlands program. During reclamation, the wetlands were improved and expanded to simultaneously provide drainage control and a variety of water features for golfing enthusiasts.

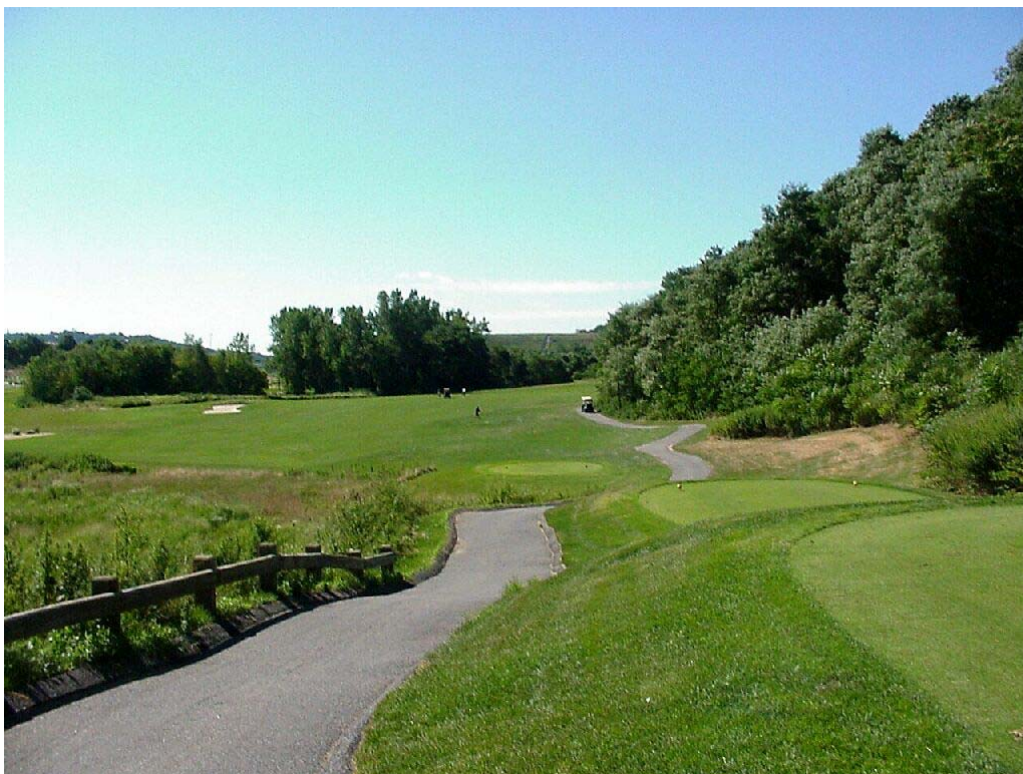
Throughout the design, development and construction of the Harbor Links golf course, the town and its consultant, Greeman-Pederson, Inc., worked closely with Audubon International to develop a facility that would foster wildlife conservation and habitat enhancement while providing quality playing conditions.

Having met strict standards set forth by Audubon International, the Harbor Links course was certified as the 17th Audubon Signature Facility in June 2001. In addition, the town has limited the use of fertilizers and pesticides and implemented a thorough water quality monitoring, management and conservation program to help minimize environmental impacts.



Before: Aerial photo of the mine's deeply eroded cliffs.

After



The Town of North Hempstead's efforts show the tremendous public benefit that can be gained when committed people pool their talents to tackle a seemingly insurmountable problem.

PRODUCTS OF NEW YORK MINES

New York State law does not require mine operators to report how much their facilities produce each year. Therefore, the rank, production quantity and production value figures included on pages 32 to 40 come from U.S. Geological Survey (USGS) publications. Every year USGS asks a large sample of mine operators in each state to submit information on over 100 mined commodities. The USGS's production estimates should be regarded as minimums since the surveys are incomplete and their figures are regularly revised as more information becomes available. However, the data is still useful for showing rough levels of production and year-to-year trends.

In 2002 crushed stone remained, by value, New York's leading non-fuel mineral, followed by cement (portland and masonry), salt, sand and gravel, and wollastonite. These five commodities accounted for 97% of the State's nonfuel mineral value. USGS estimated the value of the State's nonfuel mineral production at \$1.01 billion. In 2002 New York remained the only wollastonite-producing state and continued to rank second in production quantity for industrial garnet, third in production of salt and fourth in talc. New York remained in the top 10 in cement. Other important minerals mined in New York include bluestone, sandstone, granite, shale, slate and clay.

Table 16 - New York Quantity of Production Rank for US, 1998 - 2002

	1998	1999	2000	2001	2002
Cement (Portland)	8	9	10	9	10**
Garnet	2	1	2	2	2
Salt	3	4	3	3	3
Sand & Gravel*	12	13	13	12	12
Talc	4	4	4	4	4
Wollastonite	1	1	1	1	1
Zinc	3	4	4	4	***

New Yorkers use 50 pounds of minerals per capita per day !



- * Construction grade sand and gravel
- ** Preliminary cement figure
- *** Zinc mine temporarily closed in 2002

Limestone & Dolostone, Crushed Stone and Cement

New York's limestone and dolostone resources are found throughout the State. In 2002 New York had 98 limestone and dolostone producing mines that represented roughly 90% of the stone sold in New York. The most important products from these mines are crushed stone and cement which are both used predominantly in building and road construction and maintenance. Based on value, crushed stone was New York's leading nonfuel mineral in 2002, followed by cement (portland and mason).

Crushed Stone - New York's crushed stone output rose 13 percent in quantity and 16 percent in value from the previous year to at least of 60,600,000 metric tons of stone worth roughly \$410 million. While limestone and dolostone represent the vast majority of New York's crushed stone production, the State also produces crushed granite, marble, traprock, sandstone and quartzite.

Cement - The USGS did not publish 2002 quantity and value information for New York's portland cement production, but the figures would be slightly below 2001's 2,940,000 metric tons worth at least \$230 million. Cement production is concentrated in the upper Hudson Valley area where a very pure form of limestone is quarried from the Coeymans formation.

Table 17 - Principal Limestone and Dolostone Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
Barrett Paving Materials, Inc.	St. Lawrence	Norfolk
	Lewis	Leyden
Buffalo Crushed Stone, Inc.	Genesee	Alabama
	Erie	Lancaster
Dolomite Products Co., Inc.	Wayne	Walworth
	Monroe	Penfield
	Ontario	Manchester
Hanson Aggregates NY, Inc.	Onondaga	DeWitt
	Livingston	Lima
	Oneida	Marshall
Lafarge N. American Cement	Albany	Coeymans
Tilcon New York, Inc.	Dutchess	Poughkeepsie

* Principal Producers based on number of acres permitted.

Sand and Gravel

Sand and gravel mines are New York's most common type of mine with 2,035 active mines spread across the State. Suffolk, Dutchess and Rensselaer Counties are New York's leading producers of sand and gravel due to their proximity to large markets. Sand and gravel is New York's fourth most economically important nonfuel mineral

In 2002 New York's production of construction grade sand and gravel dropped slightly to roughly 29,300,000 metric tons worth at least \$155 million. The vast majority of this material was used for road and building construction and maintenance.

Table 18 - Principal Sand and Gravel Producers and Their Largest Mines*

<u>Company</u>	<u>County</u>	<u>Town</u>
Buffalo Crushed Stone, Inc.	Cattaraugus	Machias & Farmersville
	Allegany	Alfred
Burton F. Clark, Inc.	Delaware	Davenport
Callanan Industries, Inc.	Rensselaer	North Greenbush
	Albany	Coeymans
Cranesville Aggregate Co., Inc.	Schenectady	Glenville
Dalrymple Gravel & Contr.	Steuben	Campbell
E. Tetz & Sons, Inc.	Sullivan	Thompson
F. S. Lopke Contracting, Inc.	Tioga	Tioga
	Broome	Barker
Gernatt Asphalt Products, Inc.	Erie	Sardinia
Graymont Materials (NY) Inc.	Clinton	Schuyler Falls
Hanson Aggregates NY, Inc.	Oswego	Sandy Creek
	Ontario	Phelps & Victor
	Livingston	Caledonia
	Herkimer	Russia
	Steuben	Bath

<u>Company</u>	<u>County</u>	<u>Town</u>
Lafarge North America, Inc.	Cattaraugus Erie	Freedom Lancaster
Northern Aggregates, Inc.	Oswego	Volney
Peckham Materials Corp.	Warren Greene	Chester Catskill
Red Wing Properties, Inc.	Dutchess	La Grange
Syracuse Sand & Gravel LLC	Ontario	Victor
Valley Sand & Gravel, Inc.	Livingston	Caledonia
Warren W. Fane, Inc.	Rensselaer	Schaghticoke

* Principal Producers based on number of acres permitted.



Many sand and gravel operations remove deposits from below the water table. During reclamation these areas may be brought up to grade or reclaimed to ponds or wetlands.

Salt

More than 10,000 square miles of central and western New York are underlain by the Salina formation which contains roughly 3.9 trillion metric tons of rock salt. This large salt resource has been very important throughout the State's history. The Cargill Lansing mine, near Ithaca, is the deepest underground salt mine in the western hemisphere and the former AKZO Retsof mine, near Geneseo, was the largest underground salt mine in the world when it was in operation. In 2002 salt ranked third by value in New York's nonfuel minerals commodities and the State was also the country's third largest salt producer.

There are two rock salt mines in New York State. Salt is also produced from five solution mining facilities in Schuyler and Wyoming Counties (see page 38). In 2002 these solution mining facilities produced brine equivalent to 2.5 million metric tons of salt worth approximately \$100 million. Data voluntarily submitted to the U.S. Geological Survey shows that the State's total salt output for 2002 was approximately 5.1 million metric tons, worth \$194 million. This means that New York's 2002 rock salt production was roughly 2.6 million metric tons worth approximately \$94 million. While these figures are not exact, they are useful indicators of the level and value of production in New York.

Table 19 - Principal Salt Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
American Rock Salt, Inc.	Livingston	Groveland
Cargill, Inc.	Tompkins	Lansing

* Principal Producers based on number of acres permitted.

This photo of the American Rock Salt Mine shows a temporary hoist used during initial development of the mine. Its twin is in the background. The temporary structures were used while the shafts were being sunk and the mine's underground infrastructure developed. They were replaced with permanent hoists when the mine went into full production.



Wollastonite

Wollastonite was New York's fifth most valuable nonfuel mineral in 2002. More importantly, New York is the only commercial producer of wollastonite in the country and accounts for almost all US production. According to US Geological Survey estimates, imports of wollastonite are relatively low, so New York's mines also supplied at least 90 percent of the wollastonite used in the U.S. and over one fifth of the world production in 2002. This production comes from just four mines located in the Adirondacks.

To protect proprietary data, the USGS does not publish detailed quantity and value statistics for NY wollastonite. However, they do give a rough estimate of U.S. production which is essentially New York production; for 2002 the estimate was between 115,000-127,000 metric tons. Wollastonite products vary widely in price depending on the level of milling and other processing needed.

Wollastonite is a white, fibrous industrial mineral. One of wollastonite's most unusual characteristics is its ability to cleave into needle-like crystals. These fibrous particles make it useful as an asbestos replacement and as reinforcement in a wide array of products such as plastics, coatings, friction products, ceramics, paint and sealants.

Table 20 - Principal Wollastonite Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
Gouverneur Talc Co., Inc.	Lewis	Diana
NYCO Minerals, Inc.	Essex	Lewis
	Essex	Willsboro

* Principal Producers based on number of acres permitted.



NYCO Minerals, Inc. Lewis Mine in Lewis County is a conventional open-pit mine where ore is drilled, blasted and then hauled to a processing plant. NYCO chemically modifies the surface of some of its wollastonite products to improve performance.

Garnet

New York ranks second of the three industrial garnet-producing states in the US. Barton Garnet's Gore Mountain mine, which opened in 1878 in the Adirondacks, was the largest garnet mine in the world during its operation. In 1983, the company's mining activity shifted to nearby Ruby Mountain. Garnets from Ruby Mountain make especially high-quality abrasives. Garnet is also mined on a smaller scale in the Hudson Valley. Since there are only two garnet-producing mines in the State, the U.S. Geological Survey does not publish production information for this commodity.

Most of the garnet from New York is used for sandpaper. Garnet is also used in grinding and polishing glass and metal, sandblasting, water filtration and waterjet stone cutting. Garnet is a well-known gemstone, but most New York garnets have too many internal cracks for this use.

Table 21 - Principal Garnet Producers*

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

* Principal Producers based on number of acres permitted.

Talc

In 2002 New York ranked fourth in the country in talc production. Gouverneur Talc is New York's only talc producing company, but their holdings include two permitted mines on roughly 200 acres of land in the northwest Adirondacks as well as two milling operations. Industrial talc is a mixture of talc, tremolite, anthophyllite, serpentine and dolomite. Because of the presence of these minerals, New York's industrial talc is fibrous with long, thin white needle-like crystals. It 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. To protect proprietary data, the U.S. Geological Survey does not publish talc production or value information by state.

Table 22 - Principal Talc Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
Gouverneur Talc Co., Inc.	St. Lawrence	Edwards

* Principal Producers based on number of acres permitted.

Sandstone and Bluestone

In 2002 there were 22 mines in New York producing sandstone, including graywacke, metamorphic quartzite, conglomerate and sedimentary sandstones. Sandstone, which is widely found across the State, is cut into blocks for building, flagstone and curbing. Some sandstone is used for rip-rap and some is crushed to make concrete aggregate. Pure quartz sandstone can be used to make high-quality glass, but sandstone in New York contains too much iron and alumina for this purpose. There are no quantity or value statistics available for New York sandstone production.

Table 23 - Principal Sandstone Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
Blades Construction Corp.	Steuben	Bath
Callanan Industries, Inc.	Rensselaer	Brunswick
	Sullivan	Thompson
Cobleskill Stone Products, Inc.	Delaware	Hancock
Hanson Aggregates NY, Inc.	Orleans	Murray
Shelby Crushed Stone Products	Orleans	Shelby

* Principal Producers based on number of acres permitted.

New York and Pennsylvania are the only sources of bluestone, a particular type of commercial sandstone. In 2002 there were 52 bluestone mines in Regions 4, 7 and northern Region 3. The New York State Bluestone Association estimates that it is a \$30-million-a-year industry. The term “bluestone” was first applied to certain “blueish” colored sandstones quarried in Ulster County in the 1800s. As the industry developed, abundant quantities of similar materials were discovered in other locations. While bluestone is a strongly cemented rock, it splits easily into thin smooth slabs. The color varies from blue-gray, blue-green, buff, steel-gray to rust. It is used mainly for decorative purposes such as stone walls, outdoor patios, building exteriors, indoor floors and swimming pool steps and borders.

Table 24 - Principal Bluestone Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
Helderberg Bluestone	Albany	Berne
Indian Country, Inc.	Broome	Sanford
Johnston & Rhodes Bluestone	Delaware	Hancock
Tompkins Bluestone Co., Inc.	Delaware	Hancock

* Principal Producers based on number of acres permitted.

Granite

In 2002 there were ten granite mines operating in the Adirondacks. Granite is used for building exteriors, granite countertops, other internal decorative uses, statues and gravestone monuments. New York granite ranges in color from gray and green to black.

Table 25 - Principal Granite Producers*

<u>Company</u>	<u>County</u>	<u>Town</u>
Champlain Stone Ltd.	Washington	Fort Ann
Graymont Materials	Franklin	Brandon
Hanson Aggregates NY, Inc.	Oneida	Forestport
Lake Placid Granite Co.	Essex	Jay

* Principal Producers based on number of acres permitted.

Zinc

While New York has historically been a major zinc producer, there was no production from the single zinc mine in the northwestern Adirondacks in 2002. The Pierrepont mine was permanently closed in 2001 and work at the Balmat mine was suspended awaiting a buyer. When the two mines were operating they ranked in the top ten zinc mines in the country and New York ranked third or fourth in total production. During 2000, which was the last full year of operation, the Balmat mine was the third most productive zinc mine in the country. This mine has a new owner and is expected to resume production.



See the Appendices on [page 89](#) for more details on mines in your area:

- **Final Reclamation of Mines in 2002**
- **Mining Permits Issued in 2002**

2002 New York Mining Industry At a Glance

2,417 Active Mines

**\$1.01 Billion
Estimated 2002
Production Value**

**Annual Regulatory Fees
\$1,874,563**

Major Types Of Mines, 2002

Sand & Gravel	2,035
Limestone & Dolostone	98
Bluestone	52
Sandstone	22
Granite	10
Wollastonite	4
Garnet	2
Salt	2
Talc	2
Zinc	1

Affected & Reclaimed Land

Affected Acreage	49,134
Life-of-Mine Acreage	120,361
Reclaimed, 2002	1,425
Reclaimed Since 1975	20,667

US Quantity Rank, 2002

Wollastonite	1st
Garnet	2nd
Salt	3rd
Talc	4th
Cement	10th
Sand & Gravel	12th

NY Value Rank, 2002 Non-Fuel Minerals

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

Owner Type, 2002

Industry	1,832
Government	589
Local Govt.	567
State Govt.	17
Federal Govt.	1

**Financial Security
To Guarantee
Reclamation
\$87,349,191**

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Oil and Gas Appendices

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¹ Statistics compiled on March 30, 2004.

² This table uses the well codes described below.

³ The statistics for this table have been derived from information supplied by owners in their annual well reports to the Division of Mineral Resources. Statistics were compiled on April 13, 2004.

⁴ The oil supply total in the Town's table is based on well owner reports. The numbers differ slightly from those reported in the main text which are based on oil production reports.

⁵ These tables include only natural gas production by field and formation, due to data management problems. The 2004 report will include both gas and oil production.

Well Codes					
BR	Brine	GE	Gas Extension	ST	Storage
DH	Dry Hole	GW	Gas Wildcat	TH	Geothermal
DW	Dry Wildcat	OD	Oil Development		
GD	Gas Development	SG	Stratigraphic		

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DIVISION OF MINERAL RESOURCES
OIL AND GAS STATISTICS *
(1993 - 2002)

Annual Production	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Oil (1,000 bbl)	341	299	304	309	276	217	193	181	183	179
Gas (mmcf)	21,929	21,551	19,312	18,244	16,189	16,608	16,836	17,752	28,020	36,882
Well Statistics										
Oil	3,783	3,670	3,208	3,464	3,478	3,739	3,463	2,962	3,373	3,106
Gas	5,986	6,019	6,216	5,869	5,741	5,903	5,756	5,775	5,949	5,773
Inactive Oil	1,137	1,326	1,117	1,650	1,265	1,590	1,165	1,340	1,416	1,343
Inactive Gas	505	561	667	565	709	579	583	850	843	929
Storage	865	876	866	868	867	885	885	870	877	905
Active Brine	80	83	70	64	65	79	87	93	94	96
Inactive Brine !	140	80	52	61	70	57	57	61	52	51
Water Injection	859	923	783	668	554	471	223	667	568	434
P&A (During Year)	263	248	219	233	187	169	138	131	79	146
Number of Wells	13,618	13,786	13,198	13,442	12,936	13,472	12,357	12,749	13,251	12,783
Drilling & Completions										
1. Total Wells Spudded	134	133	112	144	91	74	101	128	139	109
2. Total Wildcats	5	2	3	4	3	25	23	22	15	40
3. Discoveries	2	1	3	3	2	5	6	129	123	60
Oil Wildcat	0	0	0	0	1	0	0	0	0	0
Gas Wildcat	2	1	3	4	1	5	7	9	4	10
4. Total Dry Holes	19	7	2	4	3	20	21	16	24	32
5. Oil										
Development	26	34	20	71	29	7	25	17	25	17
Extension	0	0	0	0	0	0	0	0	0	0
6. Gas										
Development	97	50	28	31	20	30	15	98	80	28
Extension	1	1	0	0	1	6	6	5	14	5
7. Injection	2	0	14	0	0	0	0	0	0	0
8. Disposal	0	0	0	2	0	0	0	0	0	0
9. Stratigraphic	2	41	20	0	0	0	6	1	1	1
10. Service	4	0	2	2	0	0	0	0	0	0
11. Brine	14	6	14	3	12	19	7	13	15	10
12. Storage	4	0	7	8	1	3	0	0	5	15
13. Geothermal	5	10	0	0	2	0	0	0	6	1
14. Total Completions (3,4,5,6,7,8,9,10,11,12, 13)	171	140	110	125	68	90	87	159	174	119
Footage (1,000's) Vertical Wells	477	318	244	313	207	276	261	534	608	266
Deviated Wells	14	4	0	21	3	28	43	88	99	93
15. Total Footage Drilled	491	322	244	334	210	304	304	622	707	359
Proven Reserves at Year End										
Gas (mmcf)										
A. In Situ	245,843	232,867	219,084	205,522	192,546	189,342	65,160	96,273	174,014	307,214
B. In Storage Reservoirs	153,400	154,200	159,500	171,100	154,496	165,112	157,210	147,313	164,313	162,099
C. Total	399,243	387,067	378,584	376,622	347,042	354,454	222,370	243,586	338,327	469,313
Oil (1000 bbls)	2,900	2,800	2,850	2,900	2,645	2,428	846	783	1,189	1,069

! Includes unplugged Tully Valley Brine Wells for 1993 & 1994.

* Statistics for lines 2 - 15 are based upon received completion reports from the operators. Statistics computed on March 30, 2004.

Division of Mineral Resources Oil and Gas Statistics, 1993 - 2002.

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Permits Issued During 2002

Town	Company	API Number	Well Name	Issue Date	Spud Date
Allegany					
Andover	Otis Eastern Service, Inc.	31003234940000	Wilbert, A 1	9/13/2002	10/14/2002
Independence	Richardson Petroleum Corp.	31003234730000	Potter 15	5/3/2002	8/16/2002
Independence	Plants & Goodwin, Inc.	31003235000000	Bloss 3	10/28/2002	1/10/2003
Independence	Plants & Goodwin, Inc.	31003235050000	Mervine 33	1/17/2002	1/22/2003
Willing	National Fuel Gas Supply Corp.	31003208850000	Cunningham EC-575	2/15/2002	3/17/2002
Broome					
Colesville	Belden & Blake Corporation	31007229690000	Merrill 1	1/25/2002	
Colesville	Belden & Blake Corporation	31007229840000	Merrill 1	10/30/2002	11/3/2002
Colesville	Belden & Blake Corporation	31007229840100	Merrill 1-A	12/10/2002	12/9/2002
Kirkwood	Belden & Blake Corporation	31007229950000	Beagell 2	9/6/2002	9/19/2002
Kirkwood	Columbia Natural Resources LLC	31007229950100	Beagell 2-A	10/18/2002	10/14/2002
Cattaraugus					
Allegany	Frank H. Stephan Oil Group	31009235010000	Frisina F14	10/31/2002	11/4/2002
Carrollton	McCracken, Carl A. III	31009234710000	McCray 105	4/26/2002	6/10/2002
Carrollton	McCracken, Carl A. III	31009234720000	McCray 111	4/26/2002	6/14/2002
Carrollton	Degitz-Stevenson Financial Securit	31009234820000	Spafford 15	6/18/2002	7/12/2002
Carrollton	Bouquin, Fred C. & Fred L.	31009234830000	Wahl 19	6/19/2002	6/26/2002
Carrollton	Bouquin, Fred C. & Fred L.	31009234840000	Wahl 20	6/19/2002	6/20/2002
Carrollton	McCracken, Carl A. III	31009235030000	McCray 117	12/9/2002	2/8/2003
Carrollton	McCracken, Carl A. III	31009235040000	McCray 119	12/9/2002	2/17/2003
Dayton	Texas Keystone, Inc.	31009234680000	Stone, C 3	2/12/2002	8/5/2002
Dayton	Texas Keystone, Inc.	31009234690000	Stone, C 4	2/21/2002	8/12/2002
Dayton	Texas Keystone, Inc.	31009234700000	Chapman, R. 1	4/15/2002	
Dayton	Texas Keystone, Inc.	31009234860000	Vanetten Charles 4	7/2/2002	9/3/2002
Dayton	Texas Keystone, Inc.	31009234970000	Dayton Preserve Unit 1	9/9/2002	9/16/2002
Leon	Texas Keystone, Inc.	31009234520000	Mosher, D 4	6/18/2002	8/21/2002
Leon	Texas Keystone, Inc.	31009234550000	Mosher D. 3	6/18/2002	
Otto	Great Lakes Energy Partners	31009108670001	McCracken, Harvey 1A	8/20/2002	9/5/2002
Perrysburg	Patterson, Gary J.	31009234770000	Patterson Fee 1	5/22/2002	8/12/2002
Perrysburg	Seneca Resources Corp.	31009234800000	White 37549	6/11/2002	7/15/2002
Perrysburg	Seneca Resources Corp.	31009234800100	White 37549a	6/11/2002	7/17/2002
Perrysburg	Seneca Resources Corp.	31009234850000	Petyk 37548	6/27/2002	7/22/2002
Perrysburg	Seneca Resources Corp.	31009234850100	Petyk 37548a	6/27/2002	
Perrysburg	Seneca Resources Corp.	31009234870000	Badurek 37550	7/18/2002	
Persia	Texas Keystone, Inc.	31009234920000	Hawkins, Kenneth Unit 2	9/9/2002	
Yorkshire	Pennsylvania General Energy	31009234560100	Braymiller-Rauch 1454a	1/26/2002	1/29/2002
Cayuga					
Springport	Columbia Natural Resources LLC	31011229670000	Schermerhorn 624778	1/11/2002	
Springport	Columbia Natural Resources LLC	31011229870000	Jordan 624884	7/3/2002	

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Town	Company	API Number	Well Name	Issue Date	Spud Date
Cayuga					
Springport	Columbia Natural Resources LLC	31011229920000	Jordan 624885	9/6/2002	
Chautauqua					
Busti	Libra Petroleum Co.	31013234590000	Crandall, L. E.C.-13	1/28/2002	7/18/2002
Busti	Libra Petroleum Co.	31013234600000	Crandall, L. E.C.-14	1/28/2002	7/17/2002
Busti	Libra Petroleum Co.	31013234610000	Crandall, L. E.C.-15	1/28/2002	7/22/2002
Busti	Libra Petroleum Co.	31013234620000	Crandall, L. E.C.-16	1/28/2002	7/19/2002
Busti	Libra Petroleum Co.	31013234630000	Crandall, L. E.C.-17	1/28/2002	7/12/2002
Busti	Libra Petroleum Co.	31013234640000	Crandall, L. E.C.-18	1/28/2002	7/11/2002
Busti	Libra Petroleum Co.	31013234650000	Crandall, L. E.C.-19	1/28/2002	7/15/2002
Busti	Libra Petroleum Co.	31013234660000	Crandall, L. E.C.-20	1/28/2002	7/11/2002
Charlotte	Universal Resources Holdings , Inc	31013234930000	Horton 3	9/12/2002	10/21/2002
Charlotte	Universal Resources Holdings , Inc	31013234950000	Horton 6	8/8/2002	10/10/2002
Charlotte	Universal Resources Holdings , Inc	31013234960000	Horton 5	8/9/2002	9/30/2002
Clymer	Chautauqua Energy, Inc.	31013234420100	J.Hansen 1A	7/16/2002	2/3/2003
Ellington	Kastle Resources Enterprises, Inc.	31013234880000	Cowen 6	7/24/2002	
Gerry	Cassadaga Valley Central School	31013234190000	Fee 2	3/26/2002	8/28/2002
Harmony	Nornew, Inc.	31013234100002	Senske 1	11/18/2002	12/17/2002
Portland	Great Lakes Energy Partners	31013100250001	Robson 19	8/20/2002	
Westfield	Great Lakes Energy Partners	31013126660001	Armfelt, O. 1	6/5/2002	
Chemung					
Big Flats	Fortuna Energy, Inc.	31015230070000	Evans 1568	12/3/2002	
Catlin	Fortuna Energy, Inc.	31015229600000	Chemung SRA 1, Parcel A 1459	2/19/2002	2/25/2002
Catlin	Fortuna Energy, Inc.	31015229750000	Root 1514	5/8/2002	5/16/2002
Erin	Pennsylvania General Energy	31015229790000	Strope 1516	6/14/2002	7/18/2002
Erin	Fairman Drilling Co.	31015229880000	Shoemaker 1	7/8/2002	
Veteran	Fortuna Energy, Inc.	31015229530000	Hinman 1	5/6/2002	
Veteran	Fortuna Energy, Inc.	31015229770000	Lant 2	4/29/2002	
Chenango					
Otselic	Grasen Energy Inc	31017230060000	Beaver Meadow 1	12/5/2002	4/14/2003
Preston	Grasen Energy Inc	31017230050000	Oxford 1	12/5/2002	3/13/2003
Erie					
Brant	Stedman Energy, Inc.	31029234760000	Fortune 1	5/22/2002	7/12/2002
Brant	Stedman Energy, Inc.	31029234780000	Weller 2	6/11/2002	7/3/2002
Collins	National Fuel Gas Supply Corp.	31029234670000	Farner Farms 1	2/6/2002	7/18/2002
Collins	Seneca Resources Corp.	31029234890000	McCarthy 37546	7/26/2002	8/19/2002
Collins	Seneca Resources Corp.	31029234890100	McCarthy 37546-A	7/26/2002	
Collins	Seneca Resources Corp.	31029234900000	Skuse 37545	7/26/2002	7/30/2002
Collins	Seneca Resources Corp.	31029234900100	Skuse 37545-A	7/26/2002	8/8/2002
Collins	Seneca Resources Corp.	31029234910000	Ross 37547	7/26/2002	8/12/2002

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Town	Company	API Number	Well Name	Issue Date	Spud Date
Erie					
Collins	Seneca Resources Corp.	31029234910100	Ross 37547-A	7/26/2002	
Concord	Cotton Well Drilling Co., Inc.	31029234980000	Orsini 1	9/26/2002	1/29/2003
Concord	Eclipse Energy Company, LLC	31029234990000	Winters 1	9/26/2002	10/19/2002
Eden	Stedman Energy, Inc.	31029234740000	Rizzo 2	5/22/2002	7/22/2002
Eden	Stedman Energy, Inc.	31029234750000	Mecca 1	5/22/2002	
Eden	Stedman Energy, Inc.	31029234810000	Vereerstraeten 2	6/14/2002	7/26/2002
Genesee					
Elba	John J. Kasmer Farm, LLC	31037229480000	Kasmer 2	7/12/2002	7/15/2002
Pembroke	Subsea Oil & Gas, Inc.	31037229860000	Babcock 3	7/11/2002	8/28/2002
Pembroke	Subsea Oil & Gas, Inc.	31037229930000	Kuhn 1	9/6/2002	9/13/2002
Pembroke	Subsea Oil & Gas, Inc.	31037229940000	Miles 2	9/6/2002	10/10/2002
Livingston					
York	Lenape Resources, Inc.	31051230030000	Simpson 3	10/16/2002	12/4/2002
Montgomery					
Glen	Millennium Natural Resource Deve	31057210320000	Yurkewecz MNRD 3	6/25/2002	
Minden	Millennium Natural Resource Deve	31057210310000	Dingman, Hale MNRD 2	6/25/2002	
Root	Millennium Natural Resource Deve	31057210300000	Montanye, Lawrence MNRD 1	6/25/2002	
Root	Millennium Natural Resource Deve	31057210330000	Montanye, Lawrence MNRD 1-A	7/8/2002	7/18/2002
New York					
Manhattan	Octagon Development LLC	31061210350000	TG-1	11/7/2002	11/11/2002
Onondaga					
Marcellus	Triana Energy, Inc.	31067229650000	Leubner 1	1/23/2002	4/2/2002
Marcellus	Columbia Natural Resources LLC	31067229650100	Leubner 1-A	11/7/2002	11/19/2002
Marcellus	Triana Energy, Inc.	31067229700000	Frost 1	1/25/2002	
Marcellus	Triana Energy, Inc.	31067229710000	Short 1	3/26/2002	4/24/2002
Marcellus	Columbia Natural Resources LLC	31067229710100	Short 1-A	5/10/2002	5/10/2002
Marcellus	Triana Energy, Inc.	31067229710200	Short 1-B	6/26/2002	5/9/2002
Ontario					
Bristol	Honeoye Storage Corp.	31069174160001	Roberts 3	9/23/2002	11/11/2002
Gorham	Belden & Blake Corporation	31069229850000	Bay 1	6/19/2002	6/30/2002
Gorham	Belden & Blake Corporation	31069229850100	Bay 1-A	7/22/2002	7/20/2002
Orange					
Newburgh	New York City Dept. of Environme	31071210340000	RHB 1	11/15/2002	11/23/2002
Newburgh	New York City Dept. of Environme	31071616070000	RHB 1-A	11/15/2002	11/4/2002
Schuyler					
Catharine	Fortuna Energy, Inc.	31097229350100	Wonderview Farms 1-A	1/22/2002	1/23/2002
Dix	Cargill, Inc.	31097229990000	Cargill 28	9/18/2002	10/28/2002
Dix	Cargill, Inc.	31097230000000	Cargill 29	9/18/2002	11/11/2002

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Town	Company	API Number	Well Name	Issue Date	Spud Date
Schuyler					
Reading	EOG Resources, Inc	31097229820000	Schiavone 1	6/14/2002	
Reading	Seneca Lake Storage, Inc.	31097612010000	Watkins Glen Refinery Brine Field 45	5/2/2002	
Reading	Seneca Lake Storage, Inc.	31097616020000	Watkins Glen Refinery Brine Field 62	5/2/2002	
Seneca					
Covert	Eastern American Energy Corp.	31099229500100	Ziefle 1-A	6/14/2002	6/14/2002
Fayette	Rasmussen, Ronnie O.	31099229900000	Rebecca 2	10/22/2002	4/14/2003
Steuben					
Caton	Belden & Blake Corporation	31101229630100	Maxwell 1-A	9/18/2002	10/14/2002
Corning	Fortuna Energy, Inc.	31101228710100	Henkel 1359-A	9/9/2002	9/19/2002
Hornby	Fortuna Energy, Inc.	31101229760000	Youmans 1511	4/17/2002	5/14/2002
Prattsburg	Columbia Natural Resources LLC	31101229490000	Gray 624468	4/29/2002	5/10/2002
Troupsburg	EOG Resources, Inc	31101229830000	White 1	6/14/2002	
West Union	Fortuna (U.S.) Inc.	31101229780000	Ballymoney 1	5/1/2002	7/16/2002
West Union	Yahn & Yahn Inc.	31101229890000	Schultz 70	7/12/2002	7/19/2002
Tioga					
Owego	Central New York Oil & Gas Co.	31107229270000	CNYOG W5	1/23/2002	3/23/2002
Owego	Central New York Oil & Gas Co.	31107229310000	CNYOG W7	1/23/2002	12/10/2001
Owego	Central New York Oil & Gas Co.	31107229310100	CNYOG W7-A	4/9/2002	2/27/2002
Owego	Central New York Oil & Gas Co.	31107229320000	CNYOG W8	1/23/2002	12/10/2001
Owego	Central New York Oil & Gas Co.	31107229730000	CNYOG B8	2/26/2002	4/26/2002
Owego	Belden & Blake Corporation	31107229810000	Jones 2	5/22/2002	
Tioga	Columbia Natural Resources LLC	31107229340100	Manwaring 624470-A	1/3/2002	1/4/2002
Tompkins					
Enfield	Phillips Production Co.	31109229980000	Stevenson 1	9/24/2002	11/6/2002
Enfield	Phillips Production Co.	31109229980100	Stevenson 1-A	12/12/2002	12/13/2002
Enfield	Phillips Production Co.	31109229980200	Stevenson 1-B	12/31/2002	12/30/2002
Newfield	Phillips Production Co.	31109229960000	Tompkins 1	12/20/2002	
Newfield	Phillips Production Co.	31109229970000	Albanese 1	9/24/2002	10/8/2002
Newfield	Phillips Production Co.	31109229970100	Albanese 1-A	12/6/2002	1/31/2003
Wyoming					
Gainesville	Morton International, Inc.	31121235020000	Morton Salt A-2	7/24/2002	9/16/2002
Middlebury	Occidental Chemical Corp	31121223660100	Hooker 110 A	7/18/2002	7/24/2002
Middlebury	Occidental Chemical Corp	31121232620100	Hooker 145 A	7/18/2002	7/30/2002
Middlebury	Texas Brine Company, LLC	31121234790000	Texas Brine 50	6/11/2002	6/24/2002
Middlebury	Texas Brine Company, LLC	31121234790100	Texas Brine 50a	6/11/2002	7/16/2002
Yates					
Italy	Belden & Blake Corporation	31123228580100	Mulligan 1-A	1/30/2002	1/29/2002
Italy	Belden & Blake Corporation	31123229680000	NYS Reforestation 2	2/7/2002	

Wells Completed During 2002

Town	Company	API Number	Well Name	TVD	Completion Date	Well Type	Field
Allegany							
Andover	Otis Eastern Service, Inc.	31003234360000	Joyce T 1	505	11/4/2002	OD	Unnamed
Andover	Otis Eastern Service, Inc.	31003234450000	Jay Hess 1	489	10/30/2002	OD	Andover
Andover	Otis Eastern Service, Inc.	31003234940000	Wilbert, A 1	503	10/25/2002	OD	Andover
Genesee	Smith, Ronald L.	31003225890000	Bliss 27	0	1/16/2002	OD	Richburg
Independence	Richardson Petroleum Corp.	31003234730000	Potter 15	2,141	8/27/2002	OD	Fulmer Valley
Willing	National Fuel Gas Supply Corp.	31003208850000	Cunningham EC-575	4,984	3/30/2002	ST	South Beech Hill
Broome							
Colesville	Belden & Blake Corporation	31007229840000	Merrill 1	9,874	12/8/2002	DW	None Specified
Colesville	Belden & Blake Corporation	31007229840100	Merrill 1-A	9,876	12/16/2002	DW	None Specified
Kirkwood	Belden & Blake Corporation	31007229950000	Beagell 2	10,260	10/14/2002	DW	None Specified
Kirkwood	Columbia Natural Resources LLC	31007229950100	Beagell 2-A	10,126	11/22/2002	GW	Ballyhack Creek
Cattaraugus							
Carrollton	McCracken, Carl A. III	31009234710000	McCray 105		7/10/2002	OD	Bradford
Carrollton	McCracken, Carl A. III	31009234720000	McCray 111		7/18/2002	OD	Bradford
Carrollton	Degitz-Stevenson Financial Securit	31009234820000	Spafford 15	1,860	7/27/2002	OD	Bradford
Carrollton	Bouquin, Fred C. & Fred L.	31009234830000	Wahl 19	1,170	8/9/2002	OD	Bradford
Carrollton	Bouquin, Fred C. & Fred L.	31009234840000	Wahl 20	1,145	8/9/2002	OD	Bradford
Dayton	Texas Keystone, Inc.	31009234390000	Robert Draudt 3		2/27/2002	GD	Lakeshore
Dayton	Texas Keystone, Inc.	31009234690000	Stone, C 4	3,406	8/28/2002	GD	Lakeshore
Dayton	Texas Keystone, Inc.	31009234860000	Vanetten Charles 4	3,390	9/25/2002	GD	Lakeshore
Dayton	Texas Keystone, Inc.	31009234970000	Dayton Preserve Unit 1	3,403	10/2/2002	GD	Lakeshore
East Otto	U S Energy Development Corp.	31009165250000	Fleckenstein 1	3,410	12/11/2002	GD	East Otto
Freedom	A. J. Lease Account	31009232380000	Drake et al Unit 2	2,799	4/30/2002	DH	Chaffee-Arcade
Leon	Texas Keystone, Inc.	31009234520000	Mosher, D 4	3,544	9/11/2002	GD	Lakeshore
Olean	Frank H. Stephan Oil Group	31009234570000	Frisina f-15		6/25/2002	OD	Bradford
Otto	Great Lakes Energy Partners	31009108670001	McCracken, Harvey 1A	3,100	9/6/2002	GW	None Specified
Perrysburg	Patterson, Gary J.	31009234770000	Patterson Fee 1	1,625	10/9/2002	GD	Lakeshore
Perrysburg	Seneca Resources Corp.	31009234800000	White 37549	1,455	7/18/2002	GW	Unnamed
Perrysburg	Seneca Resources Corp.	31009234800100	White 37549a	1,232	7/25/2002	GW	Unnamed
Yorkshire	Pennsylvania General Energy	31009234560000	Braymiller-Rauch 1454	6,565	1/27/2002	DW	Unnamed
Yorkshire	Pennsylvania General Energy	31009234560100	Braymiller-Rauch 1454a	6,578	11/20/2002	DW	Unnamed
Cayuga							
Aurelius	Columbia Natural Resources LLC	31011229070000	Lockwood 624305	0	1/28/2002	GD	West Auburn
Chautauqua							
Charlotte	Universal Resources Holdings , Inc	31013234930000	Horton 3	3,735	11/1/2002	GD	Lakeshore
Charlotte	Universal Resources Holdings , Inc	31013234950000	Horton 6		10/25/2002	GD	Lakeshore
Charlotte	Universal Resources Holdings , Inc	31013234960000	Horton 5		10/25/2002	GD	Lakeshore

Wells Completed During 2002

Town	Company	API Number	Well Name	TVD	Completion Date	Well Type	Field
Chautauqua							
Stockton	Great Lakes Energy Partners	31013234430000	Galbato Unit 1		1/4/2002	GD	Lakeshore
Villanova	National Fuel Gas Supply Corp.	31013133840100	Vanderbosch 1741a	3,324	9/16/2002	ST	Nashville
Westfield	Great Lakes Energy Partners	31013126660001	Armfelt, O. 1		6/29/2002	GW	None Specified
Chemung							
Catlin	Fortuna Energy, Inc.	31015229180100	Gregory 1446-A	9,765	4/3/2002	GE	Quackenbush Hill
Catlin	Fortuna Energy, Inc.	31015229600000	Chemung SRA 1, Parcel A	9,815	5/1/2002	GE	Wilson Hollow
Catlin	Fortuna Energy, Inc.	31015229750000	Root 1514	9,608	8/9/2002	GE	Wilson Hollow
Erin	Pennsylvania General Energy	31015229790000	Strope 1516	9,745	8/23/2002	DH	Dry Wildcat
Erie							
Brant	Stedman Energy, Inc.	31029234760000	Fortune 1		7/29/2002	GD	Brant-Eden
Brant	Stedman Energy, Inc.	31029234780000	Weller 2		7/29/2002	GD	Brant-Eden
Collins	National Fuel Gas Supply Corp.	31029234670000	Farner Farms 1	2,405	8/28/2002	ST	Lawtons
Concord	Eclipse Energy Company, LLC	31029234990000	Winters 1	2,904	12/17/2002	GD	Concord
Eden	Amos Zittel & Sons, Inc.	31029234440000	Zittle 7	1,750	10/31/2002	GD	Brant-Eden
Eden	Stedman Energy, Inc.	31029234740000	Rizzo 2	1,857	8/9/2002	GD	Brant-Eden
Eden	Stedman Energy, Inc.	31029234810000	Vereerstraeten 2		8/9/2002	GD	Brant-Eden
Evans	National Fuel Gas Supply Corp.	31029151030100	Hallen 1349a	1,624	9/12/2002	ST	Derby
Evans	National Fuel Gas Supply Corp.	31029550470100	Eisenhauer 1482-Ia	1,626	9/12/2002	ST	Derby
Genesee							
Elba	John J. Kasmer Farm, LLC	31037229480000	Kasmer 2		8/16/2002	GD	Unnamed
Pembroke	Subsea Oil & Gas, Inc.	31037229860000	Babcock 3	1,044	9/13/2002	GD	Alden-Lancaster
Pembroke	Subsea Oil & Gas, Inc.	31037229930000	Kuhn 1	1,052	9/27/2002	GD	Alden-Lancaster
Pembroke	Subsea Oil & Gas, Inc.	31037229940000	Miles 2	1,048	10/29/2002	GD	Alden-Lancaster
New York							
Manhattan	Octagon Development LLC	31061210350000	TG-1		11/15/2002	TH	Unnamed
Onondaga							
Marcellus	Triana Energy, Inc.	31067229650000	Leubner 1	5,300	4/20/2002	DH	None Specified
Marcellus	Triana Energy, Inc.	31067229710000	Short 1	5,145	5/8/2002	DW	None Specified
Marcellus	Triana Energy, Inc.	31067229710200	Short 1-B	3,695	5/12/2002	DH	None Specified
Ontario							
Bristol	Honeoye Storage Corp.	31069174160001	Roberts 3	3,191	12/18/2002	ST	Honeoye
Gorham	Belden & Blake Corporation	31069229850000	Bay 1	5,796	7/19/2002	DW	None Specified
Richmond	Honeoye Storage Corp.	31069039470000	Blackmer Charles 1	2,588	6/3/2002	ST	Honeoye
Orange							
Newburgh	New York City Dept. of Environm	31071616070000	RHB 1-A		11/26/2002	SG	Unnamed

Wells Completed During 2002

Town	Company	API Number	Well Name	TVD	Completion Date	Well Type	Field
Schuyler							
Catharine	Fortuna Energy, Inc.	31097229350000	Wonderview Farms 1	8,762	1/20/2002	DH	Dry Wildcat
Catharine	Fortuna Energy, Inc.	31097229350100	Wonderview Farms 1-A	8,877	2/7/2002	DH	Dry Wildcat
Dix	Fortuna Energy, Inc.	31097228860200	Ganung 1-B	8,762	1/18/2002	DH	Unnamed
Dix	Cargill, Inc.	31097229990000	Cargill 28		11/9/2002	BR	Cargill
Dix	Cargill, Inc.	31097230000000	Cargill 29		11/25/2002	BR	Cargill
Orange	Fortuna Energy, Inc.	31097228290000	Grand Prix 624065	9,198	6/11/2002	GW	Unnamed
Seneca							
Covert	Eastern American Energy Corp.	31099229500000	Zieffe 1	7,497	6/13/2002	DH	Unnamed
Fayette	Columbia Natural Resources LLC	31099229440000	Lott 624600		1/29/2002	GD	Fayette-Waterloo
Fayette	Columbia Natural Resources LLC	31099229450000	Zimmerman 624596		1/29/2002	GD	Fayette-Waterloo
Fayette	Columbia Natural Resources LLC	31099229460000	Nolt 624595		1/30/2002	GD	Fayette-Waterloo
Fayette	Columbia Natural Resources LLC	31099229470000	Hartman 624594		1/31/2002	GD	Fayette-Waterloo
Fayette	Columbia Natural Resources LLC	31099229590000	Rasmussen 624597		1/31/2002	GD	Fayette-Waterloo
Fayette	Columbia Natural Resources LLC	31099229620000	Harris 624599		2/1/2002	GD	Fayette-Waterloo
Steuben							
Caton	East Resources, Inc.	31101229630000	Maxwell 1	11,679	9/10/2002	DH	None Specified
Corning	Fortuna Energy, Inc.	31101228710100	Henkel 1359-A	9,975	12/19/2002	GE	Quackenbush Hill
Corning	Fortuna Energy, Inc.	31101229580000	Pace 1460	10,141	4/10/2002	GW	Riverside
Corning City	Pennsylvania General Energy	31101228710000	Henkel 1359		9/3/2002	DH	Unnamed
Hornby	Pennsylvania General Energy	31101229080000	Hemly 1445	9,652	4/17/2002	DH	Unnamed
Hornby	Fortuna Energy, Inc.	31101229760000	Youmans 1511	10,382	8/13/2002	GE	County Line
Hornellsville	Eastern American Energy Corp.	31101215600000	Clarke 1	3,528	6/26/2002	GW	Big Creek
Howard	Cunningham Natural Gas Corp.	31101003040000	Ford 1	3,640	5/18/2002	DW	Dry Wildcat
Prattsburg	Columbia Natural Resources LLC	31101229490000	Gray 624468	8,330	6/24/2002	GW	Unnamed
Pulteney	Columbia Natural Resources LLC	31101228440200	Doyle 624125-B	0	6/24/2002	DH	Dry Wildcat
Pulteney	Columbia Natural Resources LLC	31101228450100	Medrek 624126-A	0	7/1/2002	DH	Unnamed
West Union	Richardson Petroleum Corp.	31101228330000	Edwards II 9	1,803	5/22/2002	OD	Beech Hill-Independence
West Union	Richardson Petroleum Corp.	31101229540000	Edwards II 4	1,790	5/20/2002	OD	Beech Hill-Independence
West Union	Richardson Petroleum Corp.	31101229550000	Edwards II 10		5/30/2002	OD	Beech Hill-Independence
West Union	Richardson Petroleum Corp.	31101229560000	Edwards II 16	1,809	5/28/2002	OD	Beech Hill-Independence
West Union	Richardson Petroleum Corp.	31101229570000	Edwards II 22	1,810	6/5/2002	OD	Beech Hill-Independence
West Union	Fortuna (U.S.) Inc.	31101229780000	Ballymoney 1	10,660	10/4/2002	DW	None Specified
West Union	Yahn & Yahn Inc.	31101229890000	Schultz 70	1,797	11/7/2002	OD	None Specified
Tioga							
Owego	Central New York Oil & Gas Co.	31107023630000	Hiram Terbush 1	505	8/22/2002	DW	Dry Wildcat
Owego	Central New York Oil & Gas Co.	31107228210000	CNYOG 1	7,610	2/14/2002	ST	Stagecoach
Owego	Central New York Oil & Gas Co.	31107228960000	CNYOG W6a	4,827	6/21/2002	ST	Stagecoach
Owego	Central New York Oil & Gas Co.	31107229000000	CNYOG B1	5,276	3/12/2002	ST	Stagecoach

Wells Completed During 2002

Town	Company	API Number	Well Name	TVD	Completion Date	Well Type	Field
Tioga							
Owego	Central New York Oil & Gas Co.	31107229270000	CNYOG W5	4,200	4/24/2002	ST	Stagecoach
Owego	Central New York Oil & Gas Co.	31107229310000	CNYOG W7	4,200	4/21/2002	ST	Stagecoach
Owego	Central New York Oil & Gas Co.	31107229310100	CNYOG W7-A	0	4/21/2002	ST	Stagecoach
Owego	Central New York Oil & Gas Co.	31107229320000	CNYOG W8	4,070	3/18/2002	ST	Stagecoach
Owego	Central New York Oil & Gas Co.	31107229730000	CNYOG B8	6,942	7/3/2002	ST	Stagecoach
Tioga	Columbia Natural Resources LLC	31107229340000	Manwaring 624470	11,552	1/3/2002	DH	Dry Wildcat
Tompkins							
Enfield	Phillips Production Co.	31109229980000	Stevenson 1	8,097	12/11/2002	DW	None Specified
Enfield	Phillips Production Co.	31109229980100	Stevenson 1-A	8,011	12/27/2002	DW	None Specified
Newfield	Phillips Production Co.	31109229970000	Albanese 1	8,940	11/26/2002	DW	None Specified
Wyoming							
Arcade	Stedman Energy, Inc.	31121234490000	Jachim 3	6,587	7/1/2002	DW	Unnamed
Gainesville	Morton International, Inc.	31121233900000	Morton Salt A-1	2,818	10/14/2002	BR	Morton Salt
Gainesville	Morton International, Inc.	31121235020000	Morton Salt A-2	2,725	10/16/2002	BR	Morton Salt
Middlebury	Occidental Chemical Corp	31121223660000	Hooker 110	1,392	7/28/2002	BR	Dale
Middlebury	Occidental Chemical Corp	31121223660100	Hooker 110 A	1,394	7/28/2002	BR	Dale
Middlebury	Occidental Chemical Corp	31121232620000	Hooker 145	1,515	8/2/2002	BR	Dale
Middlebury	Occidental Chemical Corp	31121232620100	Hooker 145 A	1,440	8/2/2002	BR	Dale
Middlebury	Texas Brine Company, LLC	31121234790000	Texas Brine 50	1,744	7/25/2002	BR	Wyoming
Middlebury	Texas Brine Company, LLC	31121234790100	Texas Brine 50a	1,320	7/23/2002	BR	Wyoming
Yates							
Italy	Belden & Blake Corporation	31123228580000	Mulligan 1	6,102	1/27/2002	DW	Dry Wildcat
Italy	Belden & Blake Corporation	31123228580100	Mulligan 1-A	6,013	2/5/2002	DW	Dry Wildcat
Jerusalem	Columbia Natural Resources LLC	31123229400000	Folts 624464	6,366	1/11/2002	GW	Unnamed
Middlesex	Columbia Natural Resources LLC	31123229390200	Button 624469-B		11/26/2002	DH	Dry Wildcat
Potter	Columbia Natural Resources LLC	31123229030100	Zimmerman 624466-A		7/8/2002	DH	Dry Wildcat

Oil and Gas Production by Town in Each County, 2002

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	2	0	0	0	0
Allen	3,703		68	1	0	0	0	0	0
Alma	13,184	4,412	1,018	30	6	175	76	10	46
Almond	1,788		1	1	0	0	0	0	0
Amity	30,804	122	565	2	1	4	0	0	0
Andover	8,775	2,606	333	2	0	101	42	0	0
Bolivar	219	4,960	262,643	0	8	283	332	15	126
Caneadea	0		0	1	0	0	0	0	0
Centerville	0		0	0	1	0	0	0	0
Clarksville	450		0	0	0	5	5	0	0
Friendship	10		7	1	0	0	1	0	0
Genesee	1,155	2,369	1,426	5	5	87	86	4	69
Independence	39,835	9,858	26,264	4	2	248	3	18	2
New Hudson	0		0	0	1	0	0	0	0
Rushford	0		0	3	1	0	0	0	0
Scio	7,621		6,887	3	3	41	136	0	20
Ward	200		0	3	0	0	24	0	8
Wellsville	2,599	2,860	283	2	0	30	54	0	9
Willing	89,081	118	701	3	8	1	25	0	0
Wirt	138	2,070	334	0	2	125	41	0	0
County Total	199,562	29,373	300,530	61	40	1,100	825	47	280
Broome County									
Colesville	0		0	0	2	0	0	0	0
Kirkwood				0	1	0	0	0	0
County Total	0		0	0	3	0	0	0	0
Cattaraugus County									
Allegany	520	34,420	311,868	7	0	721	129	10	36
Ashford	22,643	2,650	1	16	4	2	0	0	0
Carrollton	20,334	62,854	2,452	5	9	527	196	15	22
Conewango	214,697		60	76	3	0	1	0	0
Dayton	41,773		56	43	3	0	0	0	0
East Otto	8,591		307	6	2	0	0	0	0
Ellicottville	5,193		0	16	0	0	0	0	0
Farmersville	112	101	80	1	1	4	2	0	0
Freedom	6,703	4,496	1	8	1	1	0	0	0
Great Valley			0	1	0	0	0	0	0
Hinsdale	0		0	0	0	4	0	0	0
Leon	342,753		42	82	4	0	0	0	0
Little Valley			0	2	0	0	0	0	0
Machias	100		0	1	1	0	0	0	0
Mansfield			0	1	0	0	0	0	0
Napoli	869		0	1	1	0	0	0	0
New Albion	13,796		0	5	7	0	0	0	0
Olean	55,122	4,756	2,829	5	1	139	83	0	5
Olean City	0			0	1	0	0	0	0
Otto	138,371		944	27	0	0	0	0	0
Perrysburg	795		0	11	3	0	0	0	0

Oil and Gas Production by Town in Each County, 2002

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									
Persia	5,787		69	9	2	0	0	0	0
Portville	0		0	1	1	0	5	0	0
Randolph	104,907	531	0	84	1	1	0	0	0
Red House	0		0	0	0	0	0	0	0
South Valley	1,505		0	2	0	0	0	0	0
Yorkshire	15,504		8	17	2	0	0	0	0
County Total	1,000,074	109,807	318,717	427	47	1,399	416	25	63
Cayuga County									
Auburn City	5,796		0	1	0	0	0	0	0
Aurelius	532,167		1,326	145	2	0	0	0	0
Cato	1		0	1	0	0	0	0	0
Fleming	76,097		1,090	32	1	0	0	0	0
Ledyard	1		0	2	0	0	0	0	0
Owasco	0		0	1	1	0	0	0	0
Scipio			0	1	0	0	0	0	0
Sennett	2,193		0	2	3	0	0	0	0
Springport	356,510		1,339	110	6	0	0	0	0
Throop	6,952		0	9	0	0	0	0	0
County Total	979,717		3,755	304	13	0	0	0	0
Chautauqua County									
Arkwright	134,643		2,349	118	12	0	0	0	0
Busti	234,379	5,828	1,809	108	16	395	75	0	0
Carroll	144,667		50	51	7	0	3	0	0
Charlotte	97,793		726	95	12	0	1	0	0
Chautauqua	596,088		4,673	319	7	0	0	0	0
Cherry Creek	270,553		2,470	32	93	0	0	0	0
Clymer	294,431	2,326	27	118	7	2	1	0	0
Dunkirk	68,583		1,079	25	4	0	0	0	0
Dunkirk City	30,965		489	16	5	0	0	0	0
Ellery	230,705	1,445	6,521	105	16	10	5	0	0
Ellicott	145,969		103	54	1	0	0	0	0
Ellington	431,185		2,686	60	121	0	0	0	0
French Creek	38,451		50	62	4	0	0	0	0
Gerry	277,366	5,605	5,270	141	18	10	8	0	0
Hanover	121,266		2,212	75	8	0	0	0	0
Harmony	228,010		8,094	85	32	0	0	0	0
Jamestown	5,940		8	3	0	0	0	0	0
Kiantone	370,958		284	56	0	0	0	0	0
Mina	54,188		1,298	69	3	0	0	0	0
North Harmony	315,961	2,999	9,474	126	28	10	7	0	0
Poland	283,761	47	31	108	3	0	0	0	0
Pomfret	232,182		3,910	177	15	0	0	0	0
Portland	211,679		1,254	131	5	0	0	0	0
Ripley	192,987		1,174	181	7	0	0	0	0
Sheridan	179,272		1,033	87	11	0	0	0	0
Sherman	154,780	114	2,911	82	4	0	0	0	0
Stockton	155,814	83	1,708	113	3	0	0	0	0

Oil and Gas Production by Town in Each County, 2002

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									
Villanova	113,482		2,115	71	9	0	0	0	0
Westfield	453,382		2,777	255	14	0	0	0	0
County Total	6,069,438	18,447	66,583	2,923	465	427	100	0	0
Chemung County									
Big Flats	5,448,107		5,148	2	0	0	0	0	0
Catlin	6,574,046		5,199	8	1	0	0	0	0
Elmira	3		0	1	0	0	0	0	0
Erin	139,019		0	2	1	0	0	0	0
Van Etten	22,265		0	5	0	0	0	0	0
Veteran	3,215,635		0	5	0	0	0	0	0
County Total	15,399,075		10,347	23	2	0	0	0	0
Chenango County									
Smyrna	0		0	0	1	0	0	0	0
County Total	0		0	0	1	0	0	0	0
Cortland County									
Cortlandville	0			0	0	0	0	0	0
Solon	0			0	0	0	0	0	0
County Total	0			0	0	0	0	0	0
Delaware County									
Hancock	0		0	0	1	0	0	0	0
County Total	0		0	0	1	0	0	0	0
Erie County									
Alden	78,472		2,977	53	11	0	0	0	0
Amherst	0		0	0	1	0	0	0	0
Aurora	75,207		0	44	17	0	0	0	0
Boston	17,412		66	32	5	0	0	0	0
Brant	155,810		2,088	97	15	0	0	0	0
Buffalo	1,348		0	2	1	0	0	0	0
Cheektowaga	8,340		6	11	2	0	0	0	0
Clarence	460		1	7	2	0	0	0	0
Colden	4,396		3	10	8	0	0	0	0
Collins	11,871		7	7	6	0	1	0	0
Concord	68,424		380	52	5	0	0	0	0
Eden	130,587		2,010	143	11	0	0	0	0
Elma	95,838		194	52	8	0	0	0	0
Evans	144,905		1,060	93	8	0	0	0	0
Hamburg	61,599		1	42	39	0	0	0	0
Holland	0		0	3	0	0	0	0	0
Lackawanna	1,410		0	2	2	0	0	0	0
Lancaster	51,391		79	26	27	0	0	0	0
Marilla	29,330		70	28	10	0	0	0	0
Newstead	77,368		156	53	14	0	0	0	0
North Collins	56,861		228	58	10	0	0	0	0

Oil and Gas Production by Town in Each County, 2002

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Erie County									
Orchard Park	51,679	47	36	38	24	1	0	0	0
Sardinia	16,894		40	11	1	0	0	0	0
Tonawanda	0		0	1	1	0	0	0	0
Tonawanda	0		0	0	1	0	0	0	0
Wales	15,081		711	6	9	0	0	0	0
West Seneca	11,180		0	5	5	0	0	0	0
County Total	1,165,862	47	10,111	876	243	1	1	0	0
Genesee County									
Alabama	20,790		95	21	1	0	0	0	0
Alexander	50,355		250	41	0	0	0	0	0
Batavia	26,893		205	19	1	0	0	0	0
Batavia City	19,332		115	21	0	0	0	0	0
Bergen	21		0	3	0	0	0	0	0
Bethany	21,696		1,380	30	2	0	0	0	0
Darien	358,886		26,890	199	10	0	0	0	0
Elba	1,111		0	2	1	0	0	0	0
Le Roy	32,986		0	7	3	0	0	0	0
Oakfield	13,344		80	12	0	0	0	0	0
Pavilion	19,731		189	17	4	0	0	0	0
Pembroke	216,386		883	119	1	0	0	0	0
Stafford	262		0	1	1	0	0	0	0
County Total	781,793		30,086	492	24	0	0	0	0
Livingston County									
Avon	10,591		224	14	2	0	0	0	0
Caledonia	42,362		772	48	1	0	0	0	0
Groveland	0		0	0	3	0	0	0	0
Leicester	41,602		0	22	6	0	0	0	0
Nunda			0	1	0	0	0	0	0
Ossian	0		0	0	1	0	0	0	0
Portage	1,643		0	2	0	0	0	0	0
Sparta	0		0	1	1	0	0	0	0
West Sparta	50		0	6	0	0	0	0	0
York	32,615		725	48	2	0	0	0	0
County Total	128,863		1,721	142	16	0	0	0	0
Madison County									
Brookfield			0	1	0	0	0	0	0
Eaton	10,582		637	4	0	0	0	0	0
Lebanon	276,946		2,389	13	4	0	0	0	0
County Total	287,528		3,026	18	4	0	0	0	0
Montgomery County									
Root	0			0	0	0	0	0	0
County Total	0			0	0	0	0	0	0

Oil and Gas Production by Town in Each County, 2002

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	1,500		0	1	0	0	0	0	0
County Total	1,500		0	1	0	0	0	0	0
Oneida County									
Sangerfield	0		0	2	1	0	0	0	0
County Total	0		0	2	1	0	0	0	0
Onondaga County									
Camillus	0		0	0	0	0	0	0	0
Lysander	0		0	1	1	0	0	0	0
Marcellus	0		0	0	0	0	0	0	0
County Total	0		0	1	1	0	0	0	0
Ontario County									
Bristol	8,911		1	3	1	0	0	0	0
Canandaigua			0	1	0	0	0	0	0
East Bloomfield	47,544		39	11	2	0	0	0	0
Geneva	0		0	0	2	0	0	0	0
Geneva	0		0	0	1	0	0	0	0
Gorham				0	1	0	0	0	0
Hopewell	0			0	0	0	0	0	0
Phelps	0		0	0	1	0	0	0	0
Richmond	573		0	2	0	0	0	0	0
West Bloomfield	799		1	2	0	0	0	0	0
County Total	57,827		41	19	8	0	0	0	0
Oswego County									
Richland	100		0	6	0	0	0	0	0
West Monroe			0	1	0	0	0	0	0
County Total	100		0	7	0	0	0	0	0
Schuyler County									
Dix	155,151		0	1	1	0	0	0	0
Hector	0			0	0	0	0	0	0
Orange	232,349		0	1	2	0	0	0	0
Tyrone	0			0	0	0	0	0	0
County Total	387,500		0	2	3	0	0	0	0
Seneca County									
Covert	0		0	0	1	0	0	0	0
Fayette	500,834		6,419	106	2	0	0	0	0
Junius			0	1	0	0	0	0	0
Lodi	0		0	0	0	0	0	0	0
Seneca Falls	2,757		0	1	0	0	0	0	0
Varick	170,543		1,891	44	0	0	0	0	0
Waterloo	0		0	0	1	0	0	0	0
County Total	674,134		8,310	152	4	0	0	0	0

Oil and Gas Production by Town in Each County, 2002

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Steuben County									
Addison	0		0	0	0	0	0	0	0
Avoca	1,295		0	2	0	0	0	0	0
Bath	13,256		2	2	0	0	0	0	0
Cameron	0		0	1	1	0	0	0	0
Canisteo	0			0	1	0	0	0	0
Cohocton	112,937			3	1	0	0	0	0
Corning	1,063,245		1,095	1	0	0	0	0	0
Corning City	863,424		1,239	2	0	0	0	0	0
Dansville	16,712		0	1	0	0	0	0	0
Erwin	4,018		0	1	1	0	0	0	0
Fremont	0		0	0	1	0	0	0	0
Greenwood	120		60	2	0	3	1	0	0
Hartsville	0		0	1	1	0	0	0	0
Hornby	4,743,512		10,645	5	2	0	0	0	0
Howard	101		0	2	0	0	0	0	0
Jasper	24,474		3	3	3	0	0	0	0
Prattsburg	325,754			5	0	0	0	0	0
Pulteney	2,101,159			11	1	0	0	0	0
Troupsburg	0		0	0	2	0	0	0	0
Wayne	0			0	1	0	0	0	0
West Union	64,294	20,625	72,465	4	1	176	0	19	0
Woodhull	0		0	0	0	0	0	0	0
County Total	9,334,301	20,625	85,509	46	16	179	1	19	0
Tioga County									
Nichols	81,619		34	5	1	0	0	0	0
Owego	344		0	1	7	0	0	0	0
Tioga	0			0	0	0	0	0	0
County Total	81,963		34	6	8	0	0	0	0
Tompkins County									
Dryden	0			0	1	0	0	0	0
County Total	0			0	1	0	0	0	0
Wayne County									
Butler	600		0	1	0	0	0	0	0
County Total	600		0	1	0	0	0	0	0
Wyoming County									
Arcade	67,990		209	39	0	0	0	0	0
Attica	722		0	2	0	0	0	0	0
Bennington	116,677		3,435	87	2	0	0	0	0
Castile	9,921		0	4	0	0	0	0	0
Covington	37,070		458	21	3	0	0	0	0
Gainesville	0		0	0	1	0	0	0	0
Genesee Falls	0		0	0	1	0	0	0	0
Java	1,576		0	22	1	0	0	0	0
Middlebury	0		0	0	0	0	0	0	0
Perry	49,095		303	45	3	0	0	0	0

Oil and Gas Production by Town in Each County, 2002

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas Wells	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Wyoming County									
Pike	250		0	1	0	0	0	0	0
Sheldon	47,302		1,005	38	1	0	0	0	0
Warsaw	1,374		0	6	0	0	0	0	0
County Total	331,977		5,410	265	12	0	0	0	0
Yates County									
Barrington	0		0	0	2	0	0	0	0
Benton	250		0	4	8	0	0	0	0
Italy				0	0	0	0	0	0
Jerusalem	0		0	0	3	0	0	0	0
Middlesex	0			0	0	0	0	0	0
Milo	0		0	1	0	0	0	0	0
Potter	0		0	0	1	0	0	0	0
Starkey	0			0	1	0	0	0	0
Torrey	0		0	0	1	0	0	0	0
County Total	250		0	5	16	0	0	0	0
State Total	36,882,064	178,300	844,180	5,773	929	3,106	1,343	91	343

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Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Allegany County				
Alfred	200	3	1	4
Allen	3,703	1	0	1
Andover	35	0	0	0
Beech Hill-Independence	40,439	7	3	10
Browning	0	0	0	0
Ceres	25	3	1	4
Clarksville	450	0	0	0
Farmersville		1	0	1
Ford's Brook	16	2	0	2
Friendship	10	1	0	1
Fulmer Valley	10,709	0	0	0
Gordon Brook	38,425	5	4	9
Houghton		1	0	1
Karr Valley	1,788	1	0	1
Nile		0	0	0
Richburg	3,096	3	12	15
Rushford	0	2	2	4
Scio	0	0	0	0
Sharon	6,208	27	0	27
Sherry Hill	0	0	1	1
State Line	93,748	3	13	16
Unnamed	710	1	3	4
County Total	199,562	61	40	101
Broome County				
None Specified		0	2	2
Unnamed	0	0	1	1
County Total	0	0	3	3
Cattaraugus County				
Ashford	19,115	15	4	19
Bixby Hill	4,135	0	0	0
Bradford	65,312	2	1	3
Bryant Hill Creek		3	0	3
Chaffee-Arcade	18,072	19	1	20
Chipmunk	10,196	9	0	9
Clarksville		1	0	1
Connoisarauley Creek		1	0	1
Dayton	4,411	5	2	7
Dublin Hollow		1	0	1
Dutch Hill	3,528	0	0	0
East Otto	0	0	2	2
Ellicotville	5,193	13	0	13
Farmersville	12	0	0	0
Five Mile	0	2	0	2
Four Mile	0	0	0	0
Great Valley		1	0	1
Hog Hollow	200	2	2	4
Indian Creek		1	0	1
Jersey Hollow		1	0	1

Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Cattaraugus County				
Lakeshore	828,653	328	22	350
Little Valley		1	0	1
Mud Creek	1,826	0	0	0
Nashville	0	0	0	0
None Specified	7,801	1	0	1
Olean	468	4	2	6
Pigeon Hill	0	5	1	6
Rice Brook	0	0	9	9
Sardinia		1	0	1
Snyders Corners Pool		1	0	1
Unnamed	0	0	1	1
Utley Brook	31,151	10	0	10
County Total	1,000,074	427	47	474
Cayuga County				
Ashland Farms		1	0	1
Auburn	5,751	3	4	7
Auburn Geothermal	5,796	1	0	1
Blue Tail Rooster	1	1	0	1
None Specified	0	0	1	1
Wells College	1	1	0	1
West Auburn	968,168	297	8	305
County Total	979,717	304	13	317
Chautauqua County				
Big Inlet Pool	14,223	1	0	1
Burr Bear Pool	0	0	1	1
Busti	1,443	2	2	4
Carroll	0	0	1	1
Cassadaga Creek	5,550	2	1	3
Clymer	7,565	3	0	3
Clymer Hill	0	0	0	0
Conewango Creek		1	0	1
Ellery	8,461	7	4	11
Folsom Creek	754	1	0	1
Fredonia	1	0	1	1
Gerry-Charlotte	51,135	15	9	24
Harmony	419	1	0	1
Kelly Hill	1,533	1	0	1
Lakeshore	5,916,783	2874	432	3306
Mud Creek	8	1	0	1
None Specified	0	0	3	3
North Harmony	37,265	10	7	17
Sprague Hill	16,658	4	0	4
Unnamed	7,640	0	4	4
County Total	6,069,438	2,923	465	3,388
Chemung County				
County Line	258,157	2	0	2
Doolittle Hill		1	0	1
Dry Wildcat	0	0	0	0
Elmira	3	1	0	1

Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Chemung County				
Langdon Hill	139,019	2	0	2
Quackenbush Hill	5,960,908	3	0	3
Terry Hill South	3,215,635	5	1	6
Unnamed	0	0	1	1
Van Etten	22,265	4	0	4
Wilson Hollow	5,803,088	5	0	5
County Total	15,399,075	23	2	25
Chenango County				
Unnamed	0	0	1	1
County Total	0	0	1	1
Cortland County				
Dry Wildcat	0	0	0	0
County Total	0	0	0	0
Delaware County				
Unnamed	0	0	1	1
County Total	0	0	1	1
Erie County				
Akron	21,644	22	6	28
Alden-Lancaster	191,939	124	51	175
Brant-Eden	335,201	300	17	317
Buffalo	5,751	11	5	16
Buffalo Creek	31,783	26	5	31
Central Wales	0	0	7	7
Chaffee-Arcade	0	0	2	2
Chestnut Ridge	5,684	1	0	1
Clarence	31	2	0	2
Colden	0	0	10	10
Concord	62,098	44	6	50
Cowlesville	5,108	7	5	12
East Aurora	86,769	44	10	54
Elma	90,371	46	8	54
Glenwood	4,139	9	1	10
Lakeshore	709	4	0	4
Lakeview	127,103	85	29	114
Lawtons	0	0	2	2
North Collins	69,204	61	11	72
Orchard Park-Hamburg	75,093	55	45	100
Sardinia	19,797	15	1	16
South Wales		1	0	1
Tonawanda	0	0	1	1
Travers	0	0	0	0
Unnamed	0	1	7	8
Wales	14,456	4	1	5
West Seneca	18,983	14	13	27
County Total	1,165,862	876	243	1,119

Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Genesee County				
Akron	200	1	0	1
Alden-Lancaster	302,896	148	6	154
Alexander	9,311	7	0	7
Bergen	21	3	0	3
Bethany	21,696	29	1	30
Danley Corners	38,702	25	2	27
Dry Wildcat	0	0	0	0
Ellicott Creek	0	0	2	2
Huron Creek	263,196	172	1	173
Indian Falls	92,792	80	2	82
Pavilion	5	5	5	10
Roanoke	6,244	3	1	4
Uhley Corners-Caledonia	46,730	18	3	21
Unnamed	0	1	1	2
County Total	781,793	492	24	516
Livingston County				
Avon	10,591	14	2	16
Dansville	50	7	0	7
Dry Wildcat	0	0	0	0
Finnegan Hill	13,095	10	0	10
Groveland	0	0	3	3
Hunt Hollow	1,643	3	1	4
Leicester	7,994	13	4	17
Silver Lake	33,608	10	2	12
Sparta	0	0	1	1
Uhley Corners-Caledonia	61,882	85	3	88
County Total	128,863	142	16	158
Madison County				
Bradley Brook	256,065	15	1	16
Lebanon	31,463	2	2	4
Sangerfield		1	0	1
Unnamed		0	1	1
County Total	287,528	18	4	22
Montgomery County				
None Specified	0	0	0	0
County Total	0	0	0	0
Niagara County				
Sanborn	1,500	1	0	1
County Total	1,500	1	0	1
Oneida County				
Sangerfield		2	0	2
Unnamed	0	0	1	1
County Total	0	2	1	3
Onondaga County				
Baldwinsville		1	0	1

Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Onondaga County				
Cross Lake	0	0	1	1
Dry Wildcat	0	0	0	0
None Specified	0	0	0	0
County Total	0	1	1	2
Ontario County				
Benton Run	0	0	2	2
Dry Wildcat	0	0	0	0
East Bloomfield	47,544	12	2	14
Melvin Hill	0	0	1	1
None Specified	0	0	1	1
Unnamed	0	0	1	1
Vincent	0	1	1	2
West Bloomfield	10,030	5	0	5
Whetstone Brook	253	1	0	1
County Total	57,827	19	8	27
Oswego County				
Little France		1	0	1
Pulaski	100	6	0	6
County Total	100	7	0	7
Schuyler County				
County Line	155,151	1	0	1
Dry Wildcat	0	0	0	0
Sexton Hollow	0	0	1	1
Sugar Hill	232,349	1	0	1
Unnamed	0	0	2	2
County Total	387,500	2	3	5
Seneca County				
Fayette-Waterloo	657,355	147	1	148
Geneva	0	0	1	1
Neilson Road Pool	10,706	1	0	1
None Specified	0	0	2	2
Reeder Creek	3,116	1	0	1
Rose Hill	200	1	0	1
Seneca Falls	2,757	1	0	1
Unnamed	0	0	0	0
Whiskey Hill		1	0	1
County Total	674,134	152	4	156
Steuben County				
Andover	0	1	0	1
Avoca	1,295	2	0	2
Beech Hill-Independence	64,229	3	0	3
Colonel Bills Creek	0	0	1	1
Coopers Plains	0	0	1	1
County Line	0	0	1	1
Crosby Creek	0	0	1	1
Cutler Creek	1,063,245	1	0	1

Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Steuben County				
Dry Wildcat	0	0	0	0
East Harrison	0	0	1	1
Glodes Corners Road	790,268	12	1	13
Howard	101	1	1	2
Hungry Hollow		1	0	1
Jackson Hill	120	1	0	1
Jasper	0	1	1	2
Milwaukee Creek	1,072	1	0	1
Muck Farm	1,636,645	4	0	4
None Specified	65	0	0	0
Northwest Harrison		1	0	1
Painted Post	0	0	1	1
Pine Hill	112,937	3	1	4
Purdy Creek	0	1	0	1
Quackenbush Hill	863,424	2	0	2
Rathbone		0	1	1
Stone Hill	16,712	1	0	1
Sullivan Park	4,018	1	0	1
Thomas Corners	13,256	2	0	2
Unnamed	0	0	3	3
Wilson Hollow	4,743,512	5	0	5
Woodhull	0	0	0	0
Wyckoff	23,402	2	2	4
County Total	9,334,301	46	16	62
Tioga County				
Dry Wildcat	0	0	0	0
None Specified	0	0	0	0
Stagecoach	81,963	6	8	14
County Total	81,963	6	8	14
Tompkins County				
Dry Wildcat	0	0	0	0
Unnamed	0	0	1	1
County Total	0	0	1	1
Wayne County				
Butler Creek	600	1	0	1
County Total	600	1	0	1
Wyoming County				
Alden-Lancaster	14,856	6	1	7
Attica	522	1	0	1
Cascade Brook	0	0	1	1
Castile	5,438	2	1	3
Chaffee-Arcade	33,774	32	0	32
Cowlesville	740	1	0	1
Danley Corners	101,281	81	1	82
Dutch Hollow	200	1	0	1
Java	500	25	1	26
Leicester	73,233	59	3	62

Natural Gas Production by Field in Each County, 2002

Field	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Wyoming County				
Northwoods	33,916	2	0	2
Pike Corners	250	1	0	1
Sheldon	45,496	37	1	38
Silver Lake	18,708	13	2	15
Tozier's Corners	2,982	2	0	2
Unnamed	0	0	1	1
Wyoming	81	2	0	2
County Total	331,977	265	12	277
Yates County				
Dry Wildcat	0	0	0	0
None Specified		0	0	0
North Penn Yan	250	4	8	12
South Penn Yan	0	1	1	2
Sugar Creek	0	0	1	1
Unnamed	0	0	6	6
County Total	250	5	16	21
State Total	36,882,064	5,773	929	6,702

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Natural Gas Production by Formation in Each County, 2002

Formation	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Allegany County				
Bradford	0	0	0	0
Clarksville	180	0	0	0
Fulmer Valley	46,706	5	0	5
Marcellus	1,788	2	0	2
Medina	3,713	4	1	5
None Specified	697	0	1	1
Not Applicable	0	0	0	0
Onondaga	0	0	3	3
Oriskany	132,173	8	18	26
Penny	39	3	0	3
Penny & Fulmer Valley	3,303	1	2	3
Richburg	6,233	7	13	20
Richburg-Waugh & Porter	0	0	0	0
Scio	0	0	0	0
Upper Devonian	4,505	29	1	30
Upper Devonian Shale		0	1	1
Waugh & Porter	225	2	0	2
County Total	199,562	61	40	101
Broome County				
None Specified		0	3	3
Not Applicable	0	0	0	0
County Total	0	0	3	3
Cattaraugus County				
Akron	400	3	0	3
Bass Island		1	0	1
Bradford	1,082	4	1	5
Bradford & Chipmunk	1,080	3	0	3
Bradford 1st & 2nd	0	0	0	0
Bradford 1st & Chipmunk	0	0	0	0
Bradford 2nd & 3rd	275	0	0	0
Bradford Second	221	0	0	0
Bradford Third	1	0	0	0
Chipmunk	6,277	3	1	4
Chipmunk & Bradford 2nd	956	0	0	0
Chipmunk & Bradford 3rd	0	0	0	0
Chipmunk & Harrisburg		0	0	0
Chipmunk, Bradford 1st &	0	0	0	0
Chipmunk, Bradford 2nd	1,947	0	0	0
Grimsby	20,460	2	0	2
Harrisburg		0	0	0
Medina	861,805	388	33	421
None Specified	20	3	1	4
Not Applicable	671	0	0	0
Onondaga	81,665	7	3	10
Onondaga-Bass Island	2,867	1	0	1
Oriskany	7,400	8	0	8
Rice Brook	0	0	0	0
Rice Brook & Chipmunk	0	0	8	8

Natural Gas Production by Formation in Each County, 2002

Formation	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Cattaraugus County				
Theresa		1	0	1
Upper Devonian	127	1	0	1
Whirlpool	12,820	2	0	2
County Total	1,000,074	427	47	474
Cayuga County				
Black River	5,796	1	0	1
None Specified	0	0	3	3
Not Applicable	0	0	1	1
Onondaga	0	0	1	1
Queenston	973,920	302	8	310
Trenton	1	1	0	1
County Total	979,717	304	13	317
Chautauqua County				
Akron	0	0	1	1
Bass Island	95,361	26	13	39
Bass Island/Medina	3,110	0	0	0
Devonian Shale	23,882	25	0	25
Glade	1,443	2	2	4
Grimsby	113,725	5	21	26
Lockport	1,825	2	0	2
Medina	5,757,978	2832	412	3244
None Specified	0	1	4	5
Not Applicable	0	0	2	2
Onondaga	23,389	13	5	18
Perrysburg	0	0	0	0
Syracuse	0	0	0	0
Theresa	0	0	1	1
Tully	27,985	8	0	8
Upper Devonian	3,107	6	2	8
Whirlpool	17,633	3	2	5
County Total	6,069,438	2,923	465	3,388
Chemung County				
Black River	15,376,807	17	2	19
Marcellus	3	1	0	1
Not Applicable	0	0	0	0
Oriskany	22,265	5	0	5
County Total	15,399,075	23	2	25
Chenango County				
None Specified	0	0	1	1
County Total	0	0	1	1
Cortland County				
Not Applicable	0	0	0	0
County Total	0	0	0	0
Delaware County				
None Specified	0	0	1	1

Natural Gas Production by Formation in Each County, 2002

Formation	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Delaware County				
County Total	0	0	1	1
Erie County				
Akron	15,011	20	0	20
Medina	1,114,352	836	226	1062
None Specified	0	0	9	9
Onondaga	36,499	19	8	27
Upper Devonian Shale	0	1	0	1
County Total	1,165,862	876	243	1,119
Genesee County				
Medina	781,793	492	21	513
None Specified	0	0	1	1
Not Applicable	0	0	0	0
Onondaga	0	0	2	2
County Total	781,793	492	24	516
Livingston County				
Hamilton		3	0	3
Marcellus	50	3	0	3
Medina	128,813	136	16	152
None Specified	0	0	0	0
County Total	128,863	142	16	158
Madison County				
Herkimer	49,667	3	0	3
Herkimer-Oneida	31,463	2	1	3
None Specified	0	0	1	1
Oneida	10	1	0	1
Oneida-Oswego	206,388	12	1	13
Onondaga		0	1	1
County Total	287,528	18	4	22
Montgomery County				
None Specified	0	0	0	0
County Total	0	0	0	0
Niagara County				
Medina	1,500	1	0	1
County Total	1,500	1	0	1
Oneida County				
Herkimer	0	2	1	3
County Total	0	2	1	3
Onondaga County				
None Specified	0	0	0	0
Not Applicable	0	0	0	0
Queenston		1	0	1
Trenton	0	0	1	1

Natural Gas Production by Formation in Each County, 2002

Formation	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Onondaga County				
County Total	0	1	1	2
Ontario County				
Medina	57,827	19	3	22
None Specified		0	1	1
Not Applicable	0	0	0	0
Queenston	0	0	4	4
County Total	57,827	19	8	27
Oswego County				
Trenton	100	7	0	7
County Total	100	7	0	7
Schuyler County				
Black River	387,500	2	1	3
None Specified	0	0	1	1
Not Applicable	0	0	0	0
Unknown	0	0	1	1
County Total	387,500	2	3	5
Seneca County				
Niagara	0	0	1	1
None Specified	0	0	2	2
Queenston	660,312	150	1	151
Rochester Shale	3,116	1	0	1
Sodus Shale	10,706	1	0	1
County Total	674,134	152	4	156
Steuben County				
Black River	9,210,031	27	3	30
Fulmer Valley	64,294	4	1	5
Marcellus	1,295	2	0	2
None Specified	0	0	0	0
Not Applicable	0	0	1	1
Onondaga	44,841	5	1	6
Oriskany	13,720	6	7	13
Oswego	0	0	1	1
Penny	120	1	0	1
Penny & Fulmer Valley	0	0	0	0
Rhinestreet		0	1	1
Tully	0	1	0	1
Upper Devonian	0	0	1	1
County Total	9,334,301	46	16	62
Tioga County				
Helderberg	76,365	5	7	12
Not Applicable	0	0	0	0
Onondaga	0	0	1	1
Oriskany	5,598	1	0	1
County Total	81,963	6	8	14

Natural Gas Production by Formation in Each County, 2002

Formation	Gas (mcf)	Active Gas Wells	Inactive Gas Wells	Total Gas Wells
Tompkins County				
None Specified	0	0	1	1
Not Applicable	0	0	0	0
County Total	0	0	1	1
Wayne County				
Trenton	600	1	0	1
County Total	600	1	0	1
Wyoming County				
Akron	2,982	2	0	2
Devonian Shale	250	1	0	1
Grimsby	3,627	1	0	1
Little Falls	26,177	1	0	1
Medina	291,002	258	10	268
Theresa	7,739	1	1	2
Upper Devonian	200	1	0	1
Whirlpool	0	0	1	1
County Total	331,977	265	12	277
Yates County				
Black River	0	0	2	2
Medina	0	0	2	2
Medina-Queenston	0	0	1	1
None Specified	0	0	1	1
Not Applicable	0	0	1	1
Queenston	250	5	9	14
County Total	250	5	16	21
State Total	36,882,064	5,773	929	6,702

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Mined Land Reclamation Appendices

Mining Permits Issued During 2002 ^{1, 3, 4}	91
Mines with Final Reclamation Completed During 2002 ^{2, 3, 4}	107

- 1 The statistics for this table were compiled on January 2, 2004.
- 2 The statistics for this table were compiled on December 30, 2003.
- 3 The word “Part” under the “Town” column means the mine is located in more than one town.
- 4 Some mines do not have a formal name to list under the “Mine Name” column.

Stay Tuned !

Future Annual Reports
will contain additional
Mining Appendices.



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Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Albany						
Bethlehem	Hillman, Robert J	40128		12/30/2002	Renewal	22
Colonie	Guptill Holding Corp	40271		2/27/2002	Renewal	8
Allegany						
Angelica	Angelica, Town of	90425	Angelica Creek East Bars	11/12/2002	Renewal	3
Angelica	Angelica, Town of	90675	Closser Ave/Angelica Cr Bars	11/12/2002	Renewal	3
Burns	Spencer, Andrew	90308	A Spencer Gravel Pit	1/23/2002	Renewal	9
Caneadea	Caneadea, Town of	90668	Genesee River Bar Mine	11/26/2002	Renewal	5
Friendship	Friendship, Town of	90498	Strahan Gravel Mine	11/4/2002	Renewal	1
New Hudson	Lyndon, Town of	90579	Shafer Gravel Pit	11/12/2002	Renewal	5
Part	Buffalo Crushed Stone Inc	90644	Emerson Sand and Gravel Pit	2/19/2002	Renewal	25
Scio	John L. Potter	90620	Jopo Pit	12/5/2002	Renewal	4
Scio	Junebug Holdings LLC	90121	Brest Pit	12/5/2002	Renewal	19
Willing	Allegany County DPW	90891	Mapes Road Gravel Mine - Antes Prope	5/13/2002	New	2
Broome						
Sanford	PA Stone Store	70836	Sanford Quarry #1	5/29/2002	New	5
Windsor	Logs Unlimited, L.L.C.	70819	Tuscarora #1 Mine - East Boskett Road	1/17/2002	Renewal	4
Cattaraugus						
Allegany	Giardini Brothers Construction Inc	90164	Rehler Pit	3/20/2002	Renewal	8
Allegany	Kinley Corp. DBA Kinley Sand &	90557	Kinley Sand & Gravel	11/1/2002	Renewal	28
Carrollton	Cold Spring Construction Compan	90362	Giardini Borrow Pit	5/24/2002	Renewal	26
Conewango	Cowen, Warren L	90298	Cowen Gravel Pit No.2	7/2/2002	Renewal	2
Dayton	Mecca Farms	90747	Wolfe Road Pit	5/21/2002	New	3
Dayton	Smith, Mark & Laurel	90584	Cottage Lime and Peat	4/24/2002	Renewal	3
Ellicottville	Holmes & Murphy Inc	90282	C.H. Gravel Pit	9/3/2002	Renewal	3
Farmersville	Lafarge North America Inc	90606	Peterson Gravel Mine	10/22/2002	Renewal	15
Farmersville	Perkins, Roderick L	90134	Perkins Mine	6/20/2002	Renewal	1
Freedom	Freedom, Town of	90460	Town of Freedom Gravel Pit	2/20/2002	Renewal	10
Freedom	Gernatt Asphalt Products Inc	90367	Maple Grove Road Deposit	5/9/2002	Renewal	8
Freedom	Gernatt Asphalt Products Inc	90465	Borer Property	7/23/2002	Renewal	22
Great Valley	Brown, Corey W	90682	Corey Brown Gravel Pit	10/8/2002	Renewal	5
Great Valley	Gernatt Asphalt Products Inc	90001	Northrup Pit	2/7/2002	Renewal	20
Great Valley	Gernatt Asphalt Products Inc	90248	Bedrock Gravel Pit	5/29/2002	Renewal	53
Great Valley	Great Valley, Town of	90091	Great Valley Gravel Pit	5/17/2002	Renewal	5

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Cattaraugus						
Great Valley	The L C Whitford Co Inc	90851	Brown Pond	8/15/2002	Renewal	1
Leon	Countryside Sand & Gravel Inc	90566	Garvey Gravel Pit	10/28/2002	Renewal	9
Leon	Milliman, Lee & Deborah	90593	Milliman Farm Mine	5/17/2002	Renewal	5
Machias	Boehmer Gravel Products	90178	MacHias Gravel Pit	7/16/2002	Renewal	17
Machias	Buffalo Crushed Stone Inc	90049	Franklinville Sand & Gravel Plant	2/12/2002	Renewal	134
Machias	Cattaraugus County Dept of Public	90898	MacHias Deposit	8/5/2002	New	3
Machias	Lafarge North America Inc	90656	Shenk (MacHias) Mine	11/26/2002	Renewal	5
Mansfield	Little Valley Sand & Gravel	90451	Toad Hollow Pit	6/3/2002	Renewal	5
Perrysburg	Perrysburg, Town of	90653	Takacs Pit	4/15/2002	Renewal	5
Persia	Gernatt Asphalt Products Inc	90382	Gowanda Deposit	7/23/2002	Renewal	8
Randolph	Beaver, Donald	90250	Donald Beaver Gravel Pit	9/9/2002	Renewal	13
Yorkshire	Dennies, Donald F.	90666	Dennies Gravel Pit	9/24/2002	Renewal	3
Yorkshire	Redland Quarries NY Inc	90577	Delevan Sand & Gravel Mine	11/4/2002	Renewal	29
Cayuga						
Genoa	Worsell, Donald G.	70715	Blakley Road Mine - Blakley Road	5/30/2002	Renewal	13
Chautauqua						
Carroll	Frew Run Gravel Products Inc	90328	Frew Run Gravel Pit	2/20/2002	Renewal	19
Chautauqua	L W Parker Enterprises Inc	90378	Perry Site	7/23/2002	Renewal	4
Cherry Creek	Cherry Creek, Town of	90249	Town of Cherry Creek Mine	3/26/2002	Renewal	10
Cherry Creek	Cherry Creek, Town of	90430	Town of Cherry Creek Mine	3/26/2002	Renewal	1
Ellington	S. St. George Enterprises, Inc.	90413	Rhinehart Pit	3/1/2002	Renewal	7
French Creek	Wassink, Randy	90492	Rajaw Gravel Mine	9/13/2002	Renewal	5
Jamestown	Baker, Philip	90124	Fluvanna Gravel Pit	12/27/2002	Renewal	6
Poland	Waterboro Gravel Products, Inc.	90657	Beaver Farm Borrow Site	1/10/2002	Renewal	10
Pomfret	Cole, Richard W & Lorraine B Sr	90637	Cole Gravel Pit	10/8/2002	Renewal	5
Pomfret	Longhouse Estate Inc.	90025	Longhouse Estate Inc. Pit	8/8/2002	New	5
Sheridan	Feinen, Richard C	90495	Feinen Gravel Mine	12/5/2002	Renewal	9
Sheridan	H Olsen & Sons Contractors Inc	90466	Olsen Gravel Mine	1/2/2002	Renewal	5
Stockton	Masiker, Emery R	90493	Masiker Sand & Gravel Mine	10/18/2002	Renewal	10
Chemung						
Chemung	Horseheads, Town of	80675	Town of Horseheads Topsoil	10/4/2002	Renewal	17
Erin	R L Callahan Inc	80024	Blackwell Pit	5/3/2002	Renewal	27

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Chenango						
Greene	Chenango Concrete Corp D/B/A C	70019	Brisben Bank #1 & #2, NYS Rt. 12	8/1/2002	Renewal	99
North Norwich	Burrell's Excavating, Inc.	70820	Kmc II Gravel Mine	2/12/2002	Renewal	23
Clinton						
Black Brook	Oakvale Construction Co Ltd	50538	Guideboard Pit	6/14/2002	Renewal	3
Mooers	L & S Rabideau & Co Inc	50829	Emery Road Mine	6/14/2002	Renewal	10
Mooers	Mooers, Town of	50377	Menard's Mine	10/7/2002	Renewal	6
Peru	Clifford Renadette	50943	Topsoil Mine #2	7/11/2002	New	8
Plattsburgh	Morrisonville Construction Inc	50444	Morrisonville Const. Pit	7/25/2002	Renewal	17
Saranac	Town of Saranac	50934	Nashville Road Pit	4/16/2002	New	8
Schuyler Falls	Joseph Ormsby	50814	Christon Sand Mine	7/11/2002	Renewal	7
Schuyler Falls	White, Barry	50579	White Pit	11/22/2002	Renewal	8
Columbia						
Canaan	Adams, John P	40685	Adams Mine Site	3/14/2002	Renewal	10
Claverack	Clifford R Weigelt	40688	Hess Farm/Roxbury Rd Mine	2/4/2002	Renewal	6
Claverack	Southern Columbia Sand and Grav	40781	Claverack Bank	3/15/2002	New	12
Copake	William F. Nolan	40699	Craryville Pit	1/9/2002	Renewal	5
Gallatin	Ancram Construction Company	40666	Dencinjo Gravel Mine/Sigler Mine	10/17/2002	Renewal	26
Livingston	Elizaville Sand & Gravel Inc	40309	Elizaville Sand & Gravel Site	10/7/2002	Renewal	13
New Lebanon	New Lebanon, Town of	40717	Sherman Pit	11/26/2002	Renewal	8
Cortland						
Cuyler	Town of Cuyler	70832	Cuyler - West Keeney Road	8/19/2002	Renewal	5
Delaware						
Colchester	Damtown Stone & Drilling Inc	40797	Chain Gang Quarry	12/18/2002	New	3
Colchester	Hodge, Russell & Alice	40258		1/18/2002	Renewal	29
Davenport	Brandow, Olive	40530	Brandow Gravel Bank	9/10/2002	Renewal	9
Hancock	Catskill Stone Products, Inc.	40755	Long Eddy Quarry	7/24/2002	New	8
Hancock	Chilewski, C. Thomas	40768	Centerville Quarry	8/7/2002	New	6
Hancock	Cobleskill Stone Products Inc	40704	Vetrone/Tar Hollow Rd. Pit	10/8/2002	Renewal	5
Middletown	Town of Middletown	40702	Jensen Pit	5/9/2002	Renewal	6
Roxbury	Rikard, Daniel G.	40638	Rikard Clay Mine	10/29/2002	Renewal	4
Roxbury	Roxbury, Town of	40338	Rodrigues Gravel Mine	12/19/2002	Renewal	9
Sidney	Burton F Clark Inc	40513	Michael Chambers Pit	1/9/2002	Renewal	10
Stamford	Burton F Clark Inc	40386	Clark Pit	12/18/2002	Renewal	36

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Delaware						
Stamford	Lafever Excavating Inc.	40712	South Kortright/Roses Brook Pit	1/9/2002	Renewal	10
Tompkins	Tompkins Bluestone Co Inc	40741	Dry Brook Stone & Timber/Borchert Q	12/18/2002	New	5
Walton	Delaware County DPW	40705	Chase Brook Borrow Pit	1/11/2002	Renewal	2
Walton	Logs Unlimited LLC	40779	Delaware Street	12/3/2002	Renewal	3
Walton	Msr Inc	40788	Constable Quarry	11/26/2002	New	3
Walton	Robinson Brothers Excavating	40697	Co. Rt. 21- Walton Pit	4/9/2002	Renewal	11
Dutchess						
Beekman	Andrews, Charles J	30139	Clapp Hill Gravel Bank	12/26/2002	Renewal	30
Dover	Danny Fortune & Co Inc	30617	Dover Industrial Park	5/30/2002	New	5
Dover	Palumbo Sand & Gravel Inc	30100		11/1/2002	Renewal	89
East Fishkill	Knapp, Thomas	30566		10/1/2002	Renewal	6
Northeast	Palmer, Florian A	30106		2/11/2002	Renewal	8
Pine Plains	Murphy, James A.	30425	Murphy Gravel Bank	3/26/2002	Renewal	11
Pleasant Valley	Viglucci Nicholas J	30313	North Farm Sand & Gravel	7/3/2002	Renewal	9
Stanford	Darling, William C	30232	Darling Mine	7/12/2002	Renewal	31
Erie						
Clarence	C J Krantz Topsoil Inc	90229	C. J. Krantz Topsoil	10/15/2002	Renewal	109
Concord	Eastern Summit Development Inc	90472	Eastern Summit Site	4/22/2002	Renewal	10
Concord	Gernatt Asphalt Products Inc	90163	Belscher Deposit	3/20/2002	Renewal	16
Concord	Gernatt Asphalt Products Inc	90369	Vaughn Deposit	7/23/2002	Renewal	33
Concord	Gernatt Asphalt Products Inc	90457	Heary Mine	2/7/2002	Renewal	7
Concord	McCarthy, Carolyn M/McCarthy, J	90441	J & C McCarthy Gravel Mine	3/13/2002	Renewal	2
Concord	McEwan Trucking & Gravel Produ	90489	King/Ahles Pit	7/22/2002	Renewal	17
Concord	Village of Springville	90474	Springville Village Pit	3/20/2002	Renewal	2
Grand Island	Hillock, Randon	90700	2000 Baseline Road	6/20/2002	Renewal	2
Lancaster	Lafarge North America Inc	90046	Burkhardt Bank	12/13/2002	Renewal	39
Lancaster	Lafarge North America Inc	90132	Genesee-Fayhe Pit	3/26/2002	Renewal	30
Lancaster	Lafarge North America Inc	90446	Genesee North Pit	3/26/2002	Renewal	89
Lancaster	Lafarge North America Inc	90655	Pavement West	10/22/2002	Renewal	19
Marilla	Berner, Leon E	90437	Berner Mine	1/11/2002	Renewal	5
Sardinia	Gernatt Asphalt Products Inc	90214	Dabolt - Thief Road	9/4/2002	Renewal	14
Sardinia	Gernatt Asphalt Products Inc	90339	Sardinia-South	2/4/2002	Renewal	2
Sardinia	Morris Excavating, Inc.	90432	Morris Gravel Pit	4/30/2002	Renewal	3

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Erie						
Sardinia	Woodruff, Charles David	90187	Woodruff Construction Pit	12/16/2002	Renewal	9
Essex						
Essex	S B Lewis	50869	Lewis Mine	11/22/2002	Renewal	5
Keene	Wade Whitney	50350	Spruce Hill Pit	5/8/2002	Renewal	8
Newcomb	Finch Pruyn & Co Inc	50565	Trout Pond Mine	7/29/2002	Renewal	3
North Hudson	Dobie Brothers Inc	50407		10/15/2002	Renewal	2
St Armand	Graymont Materials (NY) Inc	50058	Saranac Lake Quarry	8/29/2002	Renewal	36
St Armand	Graymont Materials (NY) Inc	50363	Cassavaugh Pit	2/26/2002	Renewal	16
Ticonderoga	Armstrong, Patrick	50792	South Ti Sand and Gravel Pit	4/22/2002	Renewal	9
Willsboro	West, Douglas & Beulah	50895	West's Clay Pit	11/7/2002	Renewal	3
Wilmington	Douglas A. West	50937	Haselton Sand Pit	1/23/2002	New	5
Franklin						
Altamont	Kentile, William E	50406	Kentile Excavating Pit	9/27/2002	Renewal	3
Altamont	Village of Tupper Lake	50081		8/29/2002	Renewal	3
Bangor	Bangor, Town of	50627		10/4/2002	Renewal	5
Bellmont	Town of Bellmont Highway Depart	50935	Owl's Head Sand & Gravel Pit	1/11/2002	New	5
Brandon	Graymont Materials (NY) Inc	50372	Trimm Pit	5/1/2002	Renewal	5
Brighton	Brighton, Town of	50536	Brighton Pit # 1	7/29/2002	Renewal	4
Burke	Rainbow Quarries Inc	50386	Rainbow Quarry	9/12/2002	Renewal	12
Chateaugay	William J. Holcome	50938	Hillcrest Farm Mine	5/23/2002	New	4
Constable	H & C Robinson Inc	50882		5/15/2002	Renewal	9
Malone	Duquette, Bryan E	50564	Ed Duquette Pit	3/8/2002	Renewal	5
Malone	Ed Duquette & Son Inc	50408	Nephew Pit	7/19/2002	Renewal	4
Malone	H & C Robinson Contractors Inc	50896	Robinson's Upstate Pit	5/7/2002	Renewal	9
Malone	Schickel, Hugh	50419	Schickel Pit	12/31/2002	Renewal	11
Malone	Village of Malone	50293	Lane Street Crusher Pit	4/5/2002	Renewal	5
Malone	Village of Malone	50693	Bare Hill Sand Pit	5/1/2002	Renewal	3
Moir	Moir, Town of	50424	Moir Sand Pit	12/31/2002	Renewal	7
Westville	Barrett Paving Materials Inc	50305	Westville Pit	5/23/2002	Renewal	20
Westville	Green Island Construction Co Inc	50790	Westville Gravel Mine	5/23/2002	Renewal	22
Westville	Snyder, Gaylord R	50832	Snyder Sand Pit	7/16/2002	Renewal	9
Fulton						
Ephratah	Town of Ephratah	50022		5/14/2002	Renewal	15

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Fulton						
Johnstown	C G Tanner & Son Inc	50371		1/29/2002	Renewal	5
Johnstown	Eric Pareene	50612	Road Side Sand Pit	3/4/2002	Renewal	14
Johnstown	Isabella, Daniel L	50546	Isabella Gravel Pit	10/7/2002	Renewal	8
Johnstown	Peck Associates & Wendell Taylor	50412	Peck Gravel Pit	11/4/2002	Renewal	2
Mayfield	James Magiolda	50554	Argotsinger Bank	3/7/2002	Renewal	19
Mayfield	James Skiff	50571	Skiff's Dairy Pit	7/18/2002	Renewal	5
Northampton	Delaney Development Inc	50068		12/16/2002	Renewal	61
Genesee						
Alabama	Buffalo Crushed Stone Inc	80086	Alabama Quarry	5/30/2002	Renewal	264
Alexander	Western NY Concrete Corp	80010	Wnyc Pit #2	7/2/2002	Renewal	10
Batavia	Pembroke Sand & Gravel Inc	80466	Gorecki Pit	10/21/2002	Renewal	11
Le Roy	Dolomite Products Company Inc	80019	Leroy Quarry	11/4/2002	Renewal	92
Pembroke	Buffalo Crushed Stone Inc	80192	Pembroke Plant	12/16/2002	Renewal	27
Greene						
Catskill	Glens Falls Lehigh Cement Co	40041	Cementon/Alsen Quarry	10/29/2002	Renewal	267
Catskill	Matthies, Paul	40378	Old Kings Road Pit	12/18/2002	Renewal	8
Coxsackie	Halstead Excavating	40744	Halstead Shale Mine	7/31/2002	Renewal	5
Hamilton						
Arietta	Arietta, Town of	50342	Arietta Pit #3	2/13/2002	Renewal	3
Indian Lake	Indian Lake, Town of	50373	Chain Lakes Pit #1 & #2	4/9/2002	Renewal	5
Indian Lake	Indian Lake, Town of	50841	Pit #6	9/27/2002	Renewal	8
Indian Lake	Locke, Dan	50547	Dan Locke Pit	4/22/2002	Renewal	5
Long Lake	Long Lake, Town of	50272	Valentine Pit	1/10/2002	Renewal	2
Herkimer						
Litchfield	Beckwith, Robert	60149	Beckwith Sand & Gravel Pit	4/28/2002	Renewal	13
Ohio	Weakley, Brett	60562	Price Mine	7/9/2002	Renewal	8
Salisbury	Dolgeville, Village of	60748	Irondale Mine	10/11/2002	Renewal	2
Winfield	Robert E. Ferris, LLC	61005	Ferris Sand & Gravel Mine	10/4/2002	New	4
Jefferson						
Adams	Adams, Village of	60162	Village Pit	5/1/2002	Renewal	10
Alexandria	DEC Properties, Inc.	60998	Alexandria Bay Pit	1/19/2002	Renewal	6
Antwerp	Cranesville Block Co Inc	60115	Antwerp Mine	4/18/2002	Renewal	46
Champion	Champion, Town of	60633	Whitaker Site	7/26/2002	Renewal	30

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Jefferson						
Champion	Champion, Town of	60796	Thomas Mine	4/19/2002	Renewal	12
Champion	Hanson Aggregates New York Inc	60466	Great Bend Quarry	8/2/2002	Renewal	89
Champion	Tug Hill Construction Inc	60227	Kellogg Pit	7/23/2002	Renewal	55
Ellisburg	Ellisburg, Town of	60198	Rudd Pit	4/1/2002	Renewal	50
Leray	G & J Trucking	60541		8/13/2002	Renewal	15
Leray	Leray, Town of	60308	Leray Pit	4/1/2002	Renewal	7
Leray	Terrence P. Branon	60254	Branon Gravel Pit	5/17/2002	Renewal	11
Rodman	R G King General Construction Inc	60472	King's Quarry	4/24/2002	Renewal	37
Rutland	Lawrence G. Woodruff, Jr.	60997	Woodruff Clay Liner Mine	7/8/2002	New	3
Lewis						
Croghan	Erie Boulevard Hydropower, L.P.	61004	Soft Maple Borrow Area	5/24/2002	New	4
Denmark	Groff, Carl	60322		4/1/2002	Renewal	2
Diana	Champion, Town of	60794	Farr Mine	3/6/2002	Renewal	2
Diana	Tug Hill Construction Inc	60821	Farr Site	9/12/2002	Renewal	10
Lewis	Aikens Construction of Rome Inc	60909	Hugh Aikens Gravel Pit	2/1/2002	Renewal	11
Lowville	R G King General Construction Inc	60809	Lane Site	1/19/2002	Renewal	7
Lyonsdale	Leyden, Town of	60933	O'Brien Mine	9/17/2002	Renewal	5
New Bremen	Lyndaker Excavating & Trucking	60688	Walseman Site	4/12/2002	Renewal	22
Livingston						
Caledonia	Valley Sand & Gravel Inc	80005	Scottsville Plant	5/22/2002	Renewal	268
Groveland	Bickle, Leonard	80497	Bickle Pit	2/27/2002	Renewal	2
Nunda	Lawson Sand & Gravel Inc	80250	Lawson S & G	9/25/2002	Renewal	38
Ossian	Ossian, Town of	80454	Wilson Pit	4/16/2002	Renewal	18
Portage	Hilltop Gravel Products	80721	Portage Pit	5/29/2002	Renewal	13
Madison						
Hamilton	Cossitt Concrete Products Inc	70201	Earlville Gravel Bed - Clyde Street	6/27/2002	Renewal	11
Lebanon	Town of Lebanon	70837	Eaves Gravel Bed - River Rd	12/3/2002	Renewal	1
Lincoln	Demario, Louis	70252	Boyles Borrow Pit - Creek Road	8/19/2002	Renewal	4
Sullivan	Katzenstein, Kenneth	70420	Bolivar Road Mine - Bolivar Road	6/24/2002	Renewal	4
Monroe						
Hamlin	Elliott, Randall J	80532	Moscow Road Pit	3/21/2002	Renewal	22
Hamlin	Podgers, Kenneth D	80426	Seaman Pit	4/17/2002	Renewal	13
Sweden	Iroquois Rock Products	80042	Brockport Quarry	12/6/2002	Renewal	242

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Montgomery						
St Johnsville	Hanson Aggregates New York Inc	40054	St. Johnsville Quarry	5/10/2002	Renewal	73
St Johnsville	Rifenburg Construction Inc	40024	Former Burgess Pit	1/25/2002	Renewal	26
Niagara						
Lewiston	Long, John	90874	John Long Property	1/3/2002	New	12
Lewiston	Modern Landfill Inc	90772	Harold Road Clay Mine	4/12/2002	New	10
Lockport	Walck Bros Ag Service Inc	90680	Boulder Springs	1/2/2002	Renewal	1
Niagara	Redland Quarries NY Inc	90012	Products US, Inc.	9/5/2002	Renewal	189
Wheatfield	Jgh Development Co Inc	90654	Willow Lake	1/28/2002	Renewal	30
Oneida						
Boonville	Hanson Aggregates New York Inc	60204	Sperry Hill Pit	11/25/2002	Renewal	67
Camden	Village of Camden	61002	Rt. 69 Sand & Gravel Mine	11/15/2002	New	3
Rome	Town of Annsville	61001	Meadows Road Sand & Gravel Pit	10/25/2002	New	3
Western	Town of Western	61011	Hoke Pit	10/20/2002	New	4
Onondaga						
Fabius	Rasmussen Gravel Products LLC	70732	Oran-Delphi Mine - Off NYS Route 80	6/27/2002	Renewal	5
Marcellus	David J. Smith	70621	Valley Borrow Pit - NYS Route 174	3/1/2002	Renewal	5
Onondaga	W.F. Saunders & Sons, Inc.	70648	Griffin Mine	8/6/2002	Renewal	14
Onondaga	W.F. Saunders and Sons, Inc.	70002	Nedrow Mine - South Onondaga Road	3/25/2002	Renewal	14
Part	Smith, Daniel & Abend, Thomas	70477	Abend Mine - Route 174	7/16/2002	Renewal	3
Pompey	T H Kinsella	70435	Walter's Pit Formerly Barber & Walter's	7/31/2002	Renewal	30
Skaneateles	Cemento, LLC	70759	Sandy Hill Sand & Gravel Mine - Stum	2/14/2002	Renewal	4
Ontario						
Canandaigua	Warner, David & Glenn	80183	Warner Mine	10/23/2002	Renewal	5
Naples	Naples, Town of	80669	Town of Naples	4/27/2002	Renewal	6
South Bristol	Rogers, Guy W	80168	Guy Rogers Gravel Pit	1/17/2002	Renewal	14
Victor	Hogan, Marvin E	80193	Saxby Pit	5/10/2002	Renewal	28
Victor	J G Turner Inc	80197	Turner Pit	5/30/2002	Renewal	47
Victor	Victor, Town of	80130	McCarthy Pit	1/8/2002	Renewal	23
West Bloomfield	Connors Sand & Gravel Inc	80089	Connors S & G	8/26/2002	Renewal	12
West Bloomfield	Elam Sand & Gravel Corp	80138	Shafer Pit	4/30/2002	Renewal	47
West Bloomfield	Elam Sand & Gravel Corp	80267	Mendon Mine	4/30/2002	Renewal	117
Orange						
Blooming Grove	Callahan & Nannini Shale Inc	30081		3/19/2002	Renewal	19

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Orange						
Deerpark	Deerpark, Town of	30111	Wilson Rd. Pit	8/29/2002	Renewal	7
Goshen	Al Turi Landfill Inc	30398		11/27/2002	Renewal	19
Goshen	Dutchess Quarry & Supply Co Inc	30034	Goshen Quarry	9/19/2002	Renewal	55
Goshen	Ward Pavements Inc	30004		5/31/2002	Renewal	15
Minisink	Tilcon New York Inc	30083	Westtown Pit	10/22/2002	Renewal	65
Mount Hope	Boyce, Garry L	30413	Maple Lane Sand & Gravel	1/15/2002	Renewal	8
Orleans						
Albion	Pilon Construction Co Inc	80190	Pilon Mine	6/18/2002	Renewal	4
Albion	Pilon Construction Co Inc	80399	Carr Mine	6/18/2002	Renewal	7
Carlton	Miller, Terry	80798	Miller's Topsoil Mine - Rte 98	5/22/2002	New	1
Oswego						
Hastings	Allen Sand & Gravel, Inc.	70714	Deer Run Pit - Co. Rt. 4	4/29/2002	Renewal	25
Hastings	Brown Excavating Co Inc	70821	Hastings Gravel Pit	8/13/2002	New	39
Mexico	Earl Becker Construction	70622	Branch Pit - U.S. Route 11	2/5/2002	Renewal	1
Oswego	Town of Oswego	70730	Robertson Mine - Ridge Road	11/6/2002	Renewal	4
Palermo	Syracuse Sand & Gravel LLC	70136	Palermo, Island Road	12/19/2002	Renewal	33
Schroepfel	Woodworth, Freda A.	70497	Woodworth Gravel Bed - Bankrupt Roa	9/19/2002	Renewal	10
Volney	Lindsey Aggregates, Inc.	70841	Lindsey Aggregates Gravel Pit	10/3/2002	New	23
Otsego						
Laurens	Wilms, Joanne	40706	Mount Vision Sand and Gravel	7/29/2002	Renewal	8
Middlefield	Milford, Town of	40645	New Joe Kriz Pit - North Pit	12/30/2002	Renewal	4
New Lisbon	Galley, David	40575	Galley Co. Rt. 16 Mine	6/25/2002	Renewal	10
Pittsfield	Seward Sand & Gravel Inc	40597	Hoffman Gravel Mine	11/14/2002	Renewal	13
Westford	NYS DEC	40606	Otsego #13 Shale Mine	8/19/2002	Renewal	1
Rensselaer						
Berlin	W J Cowee Inc	40662	Northeast Pit	2/6/2002	Renewal	3
Berlin	W J Cowee Inc	40663	Southwest Pit	2/6/2002	Renewal	3
Brunswick	Callanan Industries Inc	40031	Cropseyville Quarry	10/17/2002	Renewal	66
Grafton	R.J. Valente Gravel, Inc.	40693	Grafton Quarry	5/9/2002	New	18
Hoosick	Troy Sand & Gravel Inc	40553	Calhoun Pit	8/28/2002	Renewal	5
Nassau	Smith, Daniel	40677	Teasdale Mine	2/14/2002	Renewal	9
North Greenbush	Callanan Industries Inc	40019	Wynantskill Pit	10/24/2002	Renewal	411
Part	Callanan Industries Inc	40523	Cropseyville Quarry/Fane	7/25/2002	Renewal	30

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Rensselaer						
Pittstown	Campbell, Gaylord	40393	Campbell Gravel Mine	10/7/2002	Renewal	11
Pittstown	Delgiacco, Michael	40112	Storm Hill Road Pit	8/21/2002	Renewal	8
Pittstown	Norton, Raymond F.	40790	Norton Gravel Mine	2/25/2002	New	5
Poestenkill	Kronau, Kevin	40512	Deer Creek Mine	8/13/2002	Renewal	4
Poestenkill	R J Valente Gravel Inc	40057	Vanslyke Pit	7/30/2002	Renewal	16
Schaghticoke	Delsignore III, Dewey M	40051	Speigletown Pit	9/23/2002	Renewal	11
Schaghticoke	Schuylerville Concrete Inc	40710	Callanan (Portion of Old Dyer Pit)	11/7/2002	Renewal	28
Schaghticoke	Stark, John R	40552	Stark Pit	5/23/2002	Renewal	14
Schaghticoke	Warren W Fane Inc	40213	Dyer Pit	3/26/2002	Renewal	18
Schaghticoke	Warren W Fane Inc	40738	Ward Bank	9/11/2002	New	40
Schodack	Schodack, Town of	40244	Haight/Rices Corners Pit	1/28/2002	Renewal	20
Stephentown	Troy Sand & Gravel Co Inc	40273	Tayer/ Saddle Back Ridge Rd. Pit	1/3/2002	Renewal	30
Saratoga						
Clifton Park	Thomas A. Hicks	50933		12/17/2002	New	14
Corinth	Adirondack Ind Construction Co In	50339	Johnson Pit	8/26/2002	Renewal	12
Corinth	Pallette Stone Corp	50364	South Corinth Bank	11/8/2002	Renewal	80
Day	Munson, Ronald	50375	Mine #1	5/23/2002	Renewal	2
Edinburg	Town of Edinburg	50245	Ide Pit	7/31/2002	Renewal	3
Greenfield	Tns of Ballston, Greenfield, Malta	50290		5/14/2002	Renewal	8
Hadley	David T. Smead	50929		6/3/2002	New	10
Halfmoon	Carver Sand & Gravel LLC	50079		9/20/2002	Renewal	35
Halfmoon	Riberdy Contracting Corp.	50509	Riberdy Contracting Corp. Mine	5/14/2002	Renewal	11
Halfmoon	Troy Topsoil Co,inc.	50508	Troy Topsoil Pit	7/8/2002	Renewal	13
Milton	Pompa Bros Inc	50065	Milton Quarry	12/6/2002	Renewal	67
Northumberland	James H Maloy Inc	50214	Wells Bank	7/31/2002	Renewal	6
Northumberland	Scott Paper-Finch Pruyn Landfill P	50834		10/28/2002	Renewal	5
Saratoga Spring	Pallette Stone Corp	50044		7/26/2002	Renewal	79
Schenectady						
Glenville	Warner, Carole	40778	Warner Mine	3/15/2002	New	3
Schoharie						
Broome	Broome, Town of	40628	Kelly Pit	9/18/2002	Renewal	5
Carlisle	Hunt, Paul J & Linda	40635	Hunt Carlisle Shale Mine	9/17/2002	Renewal	6
Conesville	Conesville, Town of	40587	South Mountain Road Gravel Bank	1/17/2002	Renewal	5

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Schoharie						
Jefferson	Jefferson, Town of	40100	Peck Street Pit	11/5/2002	Renewal	13
Schoharie	Cobleskill Stone Products Inc	40094	Schoharie Quarry	4/12/2002	Renewal	75
Schuyler						
Catharine	Wickham, John & Jackie	80800	Maple Terrace Farm Gravel Mine	7/17/2002	New	4
Hector	Arcangeli, Marjorie	80668	Arcangeli's Gravel Mine	2/15/2002	Renewal	13
Hector	Loyal Order of Moose Montour Fal	80803	Depew Property	10/15/2002	New	2
Montour	Catharine, Town of	80723	Reynolds Pit	7/2/2002	Renewal	6
Montour	Montour, Town of	80379	Cotton-Hanlon Road Gravel Pit	6/12/2002	Renewal	3
Seneca						
Junius	Seneca Meadows Inc	80331	Avery Road Pit	10/22/2002	Renewal	64
Junius	Seneca Meadows Inc	80413		8/19/2002	Renewal	24
St. Lawrence						
Brasher	J E Sheehan Contracting Corp	60849	Hartlet Mine	7/25/2002	Renewal	50
Edwards	Gouverneur Talc Co Inc	60050	Number 3 Mine	1/8/2002	Renewal	5
Fine	Langevin Excavating	60334	Route 3 Pit	5/16/2002	Renewal	2
Fowler	St. Lawrence Zinc Company, LLC	60027	No. 2, 4 and Wight Mines	7/19/2002	Renewal	839
Gouverneur	Stiles, Ronald	60350	Process Sand and Gravel	8/12/2002	Renewal	26
Lisbon	L & M Enterprises, LLC	61007		8/19/2002	New	3
Madrid	Madrid, Town of	60862	Gero Mine	12/11/2002	Renewal	2
Massena	J E Sheehan Contracting Corp	60912	South Raquette Mine	7/25/2002	Renewal	54
Morristown	Lowery, Robert	60381		10/21/2002	Renewal	20
Norfolk	Massena, Town & Village of	60376	Village & Town of Massena Sandpit	5/29/2002	Renewal	30
Oswegatchie	Hanson Aggregates New York Inc	60171	Ogdensburg Plant	3/21/2002	Renewal	78
Parishville	Barrett Paving Materials Inc	60898	Cooke Mine	1/7/2002	Renewal	24
Parishville	Frank Randall & Sons Inc	60639	Lenny Road	8/1/2002	Renewal	18
Parishville	Parishville, Town of	60382	Picketville Pit	7/25/2002	Renewal	2
Parishville	Randall, Richard	60703		1/25/2002	Renewal	5
Pierrepont	Gibson, David W	60393	Gibson & Son, Inc.	1/2/2002	Renewal	6
Pitcairn	Pitcairn, Town of	60460	MacQueen Pit	2/5/2002	Renewal	3
Pitcairn	Pitcairn, Town of	60906	Fine Road Mine	4/1/2002	Renewal	5
Pitcairn	W. Grant Thesier	61009	Mr. Grant Pit	10/28/2002	New	3
Rossie	Cooke Sand & Gravel Inc	60086	Soper Pit	1/11/2002	Renewal	24
Stockholm	Curran Logging Inc	60756	Schwartz # 2 Mine	2/6/2002	Renewal	15

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
St. Lawrence						
Stockholm	J E Sheehan Contracting Corp	60762	Catamount Ridge Mine	9/17/2002	Renewal	24
Waddington	David Putney	60533	Spear's Pit	8/6/2002	Renewal	4
Steuben						
Avoca	Kula, Steve J	80701	Steve J. Kula Gravel Pit No. 2	2/15/2002	Renewal	3
Bath	Hakes Construction Co Inc	80713	Knowles Pit	7/2/2002	Renewal	4
Bath	Howard, Town of	80554	Helm Pit	3/5/2002	Renewal	10
Bath	Knight Settlement Sand & Gravel	80013	Bath Pit	4/2/2002	Renewal	170
Bradford	Schuyler County	80571	MacHuga Pit	4/17/2002	Renewal	8
Campbell	Coots, Steve T	80754		10/21/2002	Renewal	6
Campbell	Knight Settlement Sand & Gravel	80698	Hopkins Gravel Pit	10/15/2002	Renewal	22
Corning	Rhinehart Sand & Gravel Inc	80008	Rhinehart Sand & Gravel	11/22/2002	Renewal	86
Hartsville	Blades Construction Products Corp	80644	Amidon Pit	5/15/2002	Renewal	14
Hornellsville	Mahany, Gary	80731	Gary Mahany Gravel Pit	3/6/2002	Renewal	6
Howard	Blades Construction Products Corp	80674	Howard #2 Pit	3/25/2002	Renewal	17
Rathbone	Tuscarora, Town of	80728	Tuscarora Gravel Pit	10/18/2002	Renewal	38
Rathbone	Wade's Coal and Concrete, Co.	80725	Saunders Road Pit	11/14/2002	Renewal	16
Troupsburg	Troupsburg, Town of	80589	Cady Pit	4/17/2002	Renewal	17
Tuscarora	Tuscarora, Town of	80708	Tucker Gravel Pit	2/26/2002	Renewal	8
Wayland	Carl Myers Enterprises Inc	80785	Werth Pit	5/21/2002	New	10
Suffolk						
Brookhaven	Frowein Road LLC	10112	Frowein Road LLC	5/6/2002	Renewal	6
Brookhaven	Mt.Sinai Associates, LLC	10111	The Hamlet At Willow Creek	8/16/2002	New	17
East Hampton	D.L. Talmage, Inc.	10072	Talmage Pit	1/31/2002	Renewal	11
Riverhead	Suffolk Cement Products Inc	10011	Suffolk Cement Osborne Ave	8/20/2002	Renewal	15
Smithtown	R Schleider Contracting Corp	10061	R Schleider Contracting	1/25/2002	Renewal	21
Sullivan						
Liberty	Burke, Jay G	30404	Cooley Shale Pit	9/19/2002	Renewal	3
Neversink	Sheeley, Earl D & Sons	30161		1/18/2002	Renewal	4
Thompson	Levine, Edward	30384	Fast Eddies	6/26/2002	Renewal	3
Tioga						
Barton	Porter's Concrete Service Inc	70320	Waverly - Pit #2 - Shepard Road	2/27/2002	Renewal	62
Candor	Whetzel, Kim K.	70704	Willseyville Mine -White Church Road	8/19/2002	Renewal	29
Nichols	F S Lopke Contracting Inc	70028	Nichols-Barrett Site - East River Drive	6/28/2002	Renewal	90

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Tioga						
Nichols	F S Lopke Contracting Inc	70746	Day Pit - East River Drive	2/13/2002	Renewal	18
Nichols	F S Lopke Contracting Inc	70770	Buck-Wheeler-Day Mine On River Roa	2/13/2002	Renewal	49
Owego	Prislupsky, John DBA Newell Con	70102	Royal Bowen Topsoil Mine - Rt. 17-C	2/19/2002	Renewal	2
Owego	Town of Owego - Highway Depart	70032	Town of Owego Gravel Pit - Off NYS R	1/14/2002	Renewal	20
Tompkins						
Newfield	Newfield Gravel Corporation	70747	Newfield Mine - Off NYS Route 13	4/2/2002	Renewal	19
Ulster						
Kingston	A O K Quarries Inc	30332	Jockey Hill Road Quarry	4/12/2002	Renewal	17
Kingston	Callanan Industries Inc	30262	Jockey Hill Mine	4/26/2002	Renewal	11
Marbletown	Davenport, Robert O	30534	Davenport Gravel Pit	1/9/2002	Renewal	4
Rochester	Bell, Gordon	30489	Gordon Bell Mine	8/29/2002	Renewal	9
Rochester	Frank Kortright Excavating Inc	30144		6/4/2002	Renewal	14
Rochester	Mombaccus Excavating Inc	30496	Rochester Center Development Mine	8/14/2002	Renewal	15
Rochester	Mombaccus Excavating Inc	30578	Mombaccus Excavating, Inc. Mine	8/16/2002	Renewal	20
Shandaken	Shandaken, Town of	30272		7/3/2002	Renewal	6
Shawangunk	Pirog, Eugene	30392	Stewart Farm	3/5/2002	Renewal	13
Wawarsing	Cook, David & Jody	30295		3/14/2002	Renewal	8
Wawarsing	Shabanowitz, Daniel	30436	Clay Hill Mine	2/11/2002	Renewal	14
Warren						
Bolton	Kingsley, Donald J Jr	50827		11/8/2002	Renewal	3
Bolton	Town of Bolton	50807	Simpson Pit	11/8/2002	Renewal	10
Chester	Clark, Earnest	50932		1/30/2002	New	2
Glens Falls	Jointa Galusha LLC	50017		5/1/2002	Renewal	21
Johnsburg	J. H. Schrade Ent. Inc.	50418	Bateman Pit	2/28/2002	Renewal	1
Johnsburg	Johnsburg, Town of	50064	Johnsburg Pit	8/19/2002	Renewal	9
Johnsburg	Peck, Curtis S	50694	Curtis Peck Mine	10/16/2002	Renewal	5
Lake George	Green Island Construction Co Inc	50151	Warrensburg Pit	5/1/2002	Renewal	6
Lake George	Keith Harris	50048	Keith Harris Pit	7/31/2002	Renewal	6
Lake George	Warren County Dept of Public Wor	50242	Toney Pit	5/23/2002	Renewal	26
Lake Luzerne	Town of Lake Luzerne	50414	Transfer Station Pit	1/31/2002	Renewal	20
Queensbury	Town of Queensbury	50001	Torrington Pit	11/8/2002	Renewal	16
Queensbury	Town of Queensbury	50296	Jenkinsville Pit	11/8/2002	Renewal	12
Thurman	Town of Thurman	50308		10/31/2002	Renewal	6

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Washington						
Dresden	Town of Dresden Highway Dept.	50833	Steele Gravel Mine	11/4/2002	Renewal	5
Easton	John Curtis	50577	Coulter's Pit	7/22/2002	Renewal	3
Easton	Rifenburg Construction Inc	50582	Pfeiffer Farm Pit	10/29/2002	Renewal	12
Fort Edward	James H Maloy Inc	50368	Fort Edward Bank	8/13/2002	Renewal	15
Greenwich	Tracy Materials	50941	Boehringer Pit	5/31/2002	New	2
Greenwich	Tracy Materials Inc	50562	Irwin Road Pit	9/11/2002	Renewal	8
Kingsbury	Peckham Industries Inc	50033	Hudson Falls Quarry	6/13/2002	Renewal	108
Salem	Ronald S. Jameson	50757	Coles Gravel Bank	4/3/2002	Renewal	3
White Creek	Gulley, John E	50557	Gulley Farm Pit	2/28/2002	Renewal	13
White Creek	Mahar, Michael	50516	Niles Pit	4/12/2002	Renewal	2
White Creek	NYS DEC	50253	Washington #2 State Forest	12/10/2002	Renewal	1
Whitehall	Andre Hagadorn	50916		4/16/2002	New	8
Whitehall	Douglas Wooddba/Wood Construct	50944		7/2/2002	New	4
Wayne						
Arcadia	Graf Art Inc	80152	Art Graf, Inc. Mine	4/2/2002	Renewal	6
Arcadia	Hutteman, Robert W	80804	Hutteman Sand & Gravel Mine	10/4/2002	New	2
Arcadia	Pecoy, Edward	80801	Pecoy Property	7/18/2002	New	1
Arcadia	Wayne County Highway Dept	80680	Orbaker Pit	11/7/2002	Renewal	8
Butler	Butler, Town of	80467	Nixon Pit	7/2/2002	Renewal	6
Galen	Montemorano, Jamie L	80564	Jms Topsoil	4/22/2002	Renewal	25
Galen	Montemorano, Jeff	80787	The Flats	7/9/2002	New	5
Galen	Montemorano, Steven	80600	Montemorano Bros. Pit #3	4/24/2002	Renewal	18
Galen	Montemorano, Steven	80792	Montemorano Pit 5	7/9/2002	New	14
Huron	Steffen, Vincent P	80544	V.P. Steffen & Sons - Alton Pit	5/22/2002	Renewal	4
Rose	Edmonds, Chris	80799	Edmonds Road Pit	8/2/2002	New	1
Wolcott	Jmj Sand & Gravel Inc	80736	Red Creek Road Sand & Gravel Faciliti	10/8/2002	Renewal	6
Wolcott	Wolcott, Town of	80613	Wolcott Pit	10/29/2002	Renewal	21
Wyoming						
Bennington	Kissell, Raymond & Joan	90355	Kissell's Gravel Pit	7/24/2002	Renewal	9
Castile	Pankow, Harry M	90490	Pankow Sand and Gravel Mine	7/8/2002	Renewal	2
Gainesville	Herrmann, Keith	90470	Schillaci Pit	7/22/2002	Renewal	2
Pike	Robb, Donald Sr	90482	Robb Gravel Pit	5/17/2002	Renewal	22

Mined Land Permits Issued During 2002

Town	Company	MineID	Mine Name	Issue Date	Type	Acres Affected
Yates						
Potter	Jerusalem, Town of	80805	Zane Bedient Pit	12/16/2002	Renewal	4

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Mines With Final Reclamation Completed During 2002

Town	Company	MineID	Mine Name	Commodity	Date	Acres Affected
Allegany						
Clarksville	Donald J Braasch Construction Inc	90723	Rod's Land Pit	Sand and Gravel	2/12/2002	2
Broome						
Chenango	Corbisello Quarries Inc	70040	Corbisello Quarries Inc., Vann Gravel Pt	Sand and Gravel	3/5/2002	48
Cattaraugus						
Conewango	Country Side Sand & Gravel Inc	90534	Youngs Road Deposit	Sand and Gravel	5/30/2002	17
Cayuga						
Locke	Tem of Moravia NY, Inc/Tollgate Const	70545	Cat Path Gravel - Cat Path Road	Sand and Gravel	8/12/2002	9
Throop	Paul F. Vitale Inc	70388	Sines Pit - Centerport Road	Sand and Gravel	5/7/2002	17
Chautauqua						
Chautauqua	Chautauqua, Town of	90090	Town of Chautauqua Mine	Sand and Gravel	10/17/2002	3
Chemung						
Big Flats	A L Blades & Sons Inc	80679	Welliver Pit	Sand and Gravel	9/5/2002	9
Big Flats	Weaver & Quagliana	80111	Weaver & Quagliana Pit	Sand and Gravel	8/21/2002	5
Horseheads	Austin Contractors	80626	Wilcox Pit	Sand and Gravel	11/8/2002	4
Chenango						
North Norwich	City of Norwich	70205	Donnelly's Pit	Sand and Gravel	5/20/2002	3
Clinton						
Black Brook	Oakvale Construction Co Ltd	50380	International Paper Pit	Sand and Gravel	7/29/2002	2
Ellenburg	Labombard, Lorin E	50826	Labombard Gravel Mine	Sand and Gravel	9/18/2002	3
Mooers	H Schickel General Contracting Inc	50623		Sand and Gravel	1/24/2002	4
Plattsburgh	Douglas, Rushford R	50461	Cook Pit	Sand and Gravel	12/17/2002	14
Columbia						
Ancram	Millerhurst Farm Partnership	40502	Miller Mine	Sand and Gravel	8/19/2002	6
Canaan	Anderson, Steven	40391	Arrighi Farm Pit	Sand and Gravel	11/5/2002	15
Chatham	Chatham, Town of	40474	Rutland Pit-Dorland Road	Sand and Gravel	9/24/2002	6
Germantown	Nahlik, George	40501		Clay	10/31/2002	6
Ghent	Boll, Robert	40456	Bartel Farm Pond	Peat	11/19/2002	11
Ghent	Nelson Land Development Co Inc	40631	Malloway Manor Lot #32	Sand and Gravel	11/5/2002	15

Mines With Final Reclamation Completed During 2002

Town	Company	MineID	Mine Name	Commodity	Date	Acres Affected
Cortland						
Cortlandville	Marcy Excavation Co Inc	70825	Heath Road Pit - Heath Road	Glacial Till	9/13/2002	19
Delaware						
Hamden	Hamden, Town of	40684	Bartschi / East River Rd. Pit	Sand and Gravel	11/26/2002	6
Hancock	Tompkins Bluestone Co Inc	40750	Hubbell/Appley Quarry	Bluestone	9/25/2002	2
Walton	Burton F Clark Inc	40490	McCoy Pit	Sand and Gravel	11/22/2002	7
Dutchess						
Beekman	Red Wing Properties Inc	30205	Greenhaven Site	Sand and Gravel	5/28/2002	85
Washington	Washington Gravel Inc	30038		Sand and Gravel	5/10/2002	33
Erie						
Concord	Gernatt Asphalt Products Inc	90457	Heary Mine	Sand and Gravel	2/7/2002	7
Sardinia	Lafarge North America Inc	90545	Johnson Road Mine	Sand and Gravel	1/7/2002	0
Essex						
Lewis	Essex County DPW	50270	Deerhead Pit	Sand and Gravel	6/24/2002	8
Franklin						
Chateaugay	William J. Holcome	50938	Hillcrest Farm Mine	Sand and Gravel	10/7/2002	4
Duane	NYS DOT	50088	Trimm Pit	Sand and Gravel	8/30/2002	3
Moir	Stark, Judy	50887	Stark-Drake Topsoil Mine	Topsoil	8/30/2002	8
Fulton						
Johnstown	Hollenbeck, Larry	50736	Roadsite Sand Pit	Sand and Gravel	6/20/2002	8
Johnstown	Johnstown, City of	50145	City of Johnstown Mine	Sand and Gravel	9/6/2002	10
Mayfield	William T. Murphy	50681	Paradise Pines Mine Site	Sand and Gravel	10/9/2002	5
Genesee						
Batavia	Hanson Aggregates GLSC Inc	80074	P-10 Cedar St.	Sand and Gravel	6/25/2002	108
Batavia	Jaszko, Mr & Mrs Joseph	80786	Jaszko	Sand and Gravel	10/22/2002	2
Le Roy	Syracuse Sand & Gravel LLC	80176	North Road #2	Sand and Gravel	9/25/2002	5
Hamilton						
Inlet	NYS DEC	50597		Sand and Gravel	10/11/2002	3
Herkimer						
Frankfort	Waste Management of North America, I	60578	Mohawk Valley Landfill Pit	Clay	1/25/2002	13

Mines With Final Reclamation Completed During 2002

Town	Company	MineID	Mine Name	Commodity	Date	Acres Affected
Herkimer						
Litchfield	Ferdula, Joseph	60090	Gorge Pit	Sand and Gravel	8/1/2002	10
Webb	Webb, Town of	60636	Stillwater Road Site	Sand and Gravel	8/1/2002	3
Jefferson						
Adams	Green Island Construction Co Inc	60911	Behling Mine	Sand and Gravel	6/28/2002	13
Adams	R G King General Construction Inc	60294	Cairo Road Pit	Sand and Gravel	2/1/2002	9
Alexandria	Alexandria, Town of	60109	Cr 15 Pit	Sand and Gravel	2/1/2002	5
Brownville	Brownville, Town of	60583	Ebbaccht Quarry	Limestone	6/28/2002	2
Rutland	Lawrence G. Woodruff, Jr.	60997	Woodruff Clay Liner Mine	Clay	11/21/2002	3
Lewis						
Diana	Green Island Construction Co Inc	60457		Sand and Gravel	1/24/2002	5
Harrisburg	Harrisburg, Town of	60492		Sand and Gravel	2/27/2002	7
Lewis	Meagher, Richard N	60947	Meagher Pit # 2	Sand and Gravel	12/31/2002	5
Lyonsdale	Lyonsdale, Town of	60678	Marmon Pit	Sand and Gravel	8/28/2002	2
Livingston						
Livonia	The Lane Construction Corp	80266		Sand and Gravel	2/4/2002	2
Mount Morris	Parkway Mobile Homes Inc	80291	Parkway S & G	Sand and Gravel	2/14/2002	14
Madison						
Lincoln	Yorton, Dean T.	70081	Mike Bargabos Mine	Sand and Gravel	1/28/2002	11
Nassau						
North Hempstead	North Hempstead, Town of Sol Waste	10006		Sand and Gravel	2/27/2002	273
Oneida						
Camden	Plumley, John	60752	Curtiss Farm	Sand and Gravel	8/20/2002	5
Remsen	Ohio, Town of	60548		Sand and Gravel	8/1/2002	2
Rome	Floyd, Town of	60272		Sand and Gravel	8/22/2002	3
Verona	Durant, Elwood E	60990	Hardin Pond	Sand and Gravel	8/1/2002	1
Onondaga						
Manlius	Barrett Paving Materials Inc	70041	Minoa Pit #1	Sand and Gravel	1/28/2002	10
Ontario						
Victor	Don C Russo S & G	80119	Willowbrook Pit	Sand and Gravel	2/4/2002	54

Mines With Final Reclamation Completed During 2002

Town	Company	MineID	Mine Name	Commodity	Date	Acres Affected
Orange						
Montgomery	Luck, Henry	30441	Deerfield Farms Mine	Sand and Gravel	9/27/2002	5
Orleans						
Carlton	Miller, Terry	80798	Miller's Topsoil Mine - Rte 98	Sand and Gravel	5/22/2002	1
Ridgeway	Jantzi, Larry	80709	Marshal Road	Sand and Gravel	9/20/2002	4
Shelby	Tiranno, Charles F	80621	Chuck Tiranno Kennels & Game Farm	Sand and Gravel	11/8/2002	12
Oswego						
Constantia	LLP Construction, Inc.	70646	Prunoske Pit - Salt Road	Sand and Gravel	9/30/2002	4
Granby	Weaver, Robert L.	70370	Pit #10- Chase Rd.	Sand and Gravel	7/29/2002	9
Hannibal	Thompson, James E. & Dwind	70749	Thompson Mine - Peat Bed Road	Sand and Gravel	11/4/2002	5
New Haven	Northern Aggregates Inc	70227	Whelsky/Stevens Pit; County Road 6	Sand and Gravel	9/11/2002	43
Palermo	Oswego County DPW	70229	Mayne's Mine - County Route 4	Sand and Gravel	9/16/2002	8
Putnam						
Carmel	Shultz, Lee	30355	Glenedia Rail Mine	Sand and Gravel	11/27/2002	3
Rensselaer						
Schaghticoke	Troy Topsoil Co. Inc.	40691	Daigle/ Rt. 67 Pit	Sand and Gravel	11/22/2002	6
Saratoga						
Corinth	Corinth, Town of	50788	Landfill Mine	Sand and Gravel	10/23/2002	6
Hadley	Town of Hadley	50449	Kneer Property	Sand and Gravel	8/30/2002	4
Northumberland	Shaw, Jeffrey D	50696	Jeff Shaw Pit	Shale	11/18/2002	1
Waterford	Mohawk Industries Inc	50656	Jake's Pit	Clay	5/10/2002	7
Schuyler						
Hector	Hector, Town of	80447	Hazlitt Pit	Sand and Gravel	11/8/2002	3
Hector	Loyal Order of Moose Montour Falls Lo	80803	Depew Property	Topsoil	11/22/2002	2
St. Lawrence						
Fine	Fine, Town of	60986	Ranger School Mine	Sand and Gravel	9/16/2002	1
Louisville	Curran Logging Inc	60872	Louisville Gravel Mine	Sand and Gravel	6/28/2002	14
Madrid	Madrid, Town of	60519		Sand and Gravel	7/16/2002	2
Morristown	Lowery, Vernon	60852		Sand and Gravel	1/2/2002	4
Stockholm	J E Sheehan Contracting Corp	60885	Reiter Mine	Sand and Gravel	7/22/2002	20

Mines With Final Reclamation Completed During 2002

Town	Company	MineID	Mine Name	Commodity	Date	Acres Affected
Steuben						
Bath	Bath, Town of	80264	Arthur Flick Pit	Sand and Gravel	6/13/2002	9
Bath	Wheeler, Town of	80451	Wheller Pit No. 1	Glacial Till	6/12/2002	11
Canistota	Steuben County DPW	80637	Stocums Pit	Sand and Gravel	6/26/2002	2
Caton	Canton, Town of - Highway Dept	80209		Sand and Gravel	2/4/2002	9
Erwin	Creekside Realty Associates	80311	Dann Gravel Bed	Sand and Gravel	2/11/2002	40
Hornellsville	A L Blades & Sons Inc	80492	Hornell Pit	Sand and Gravel	6/26/2002	8
Suffolk						
Riverhead	The Woods At Cherry Creek	10109		Sand and Gravel	6/3/2002	8
Southold	Laurel Links Ltd	10105		Sand and Gravel	6/3/2002	5
Sullivan						
Callicoon	Wahl, Roland	30585		Sand and Gravel	9/6/2002	2
Cochecton	Bertsch Enterprises	30078		Sand and Gravel	6/14/2002	15
Delaware	Hughson, James R	30432	Peters Farm Site	Sand and Gravel	9/19/2002	3
Mamakating	Phoenix Gravel Corp.	30135		Sand and Gravel	11/4/2002	33
Thompson	Aldor Auto Wrecking & Parts Corp	30324		Sand and Gravel	11/27/2002	11
Tusten	Sumner of New York Inc	30612	Weiden Lake Property	Sand and Gravel	10/25/2002	2
Tioga						
Tioga	F S Lopke Contracting Inc	70716	Richards Gravel Pit - Route 17-C	Sand and Gravel	7/1/2002	18
Tompkins						
Enfield	Landstrom Gravel Co Inc	70015	Newfield Pit - Van Ostrand Road	Sand and Gravel	8/23/2002	10
Ulster						
Marbletown	Davenport, Robert O	30534	Davenport Gravel Pit	Sand and Gravel	5/24/2002	4
Plattekill	Ranchland Corporation	30253	Ranchland Corp. Mine	Sand and Gravel	12/23/2002	31
Rosendale	Schultz Construction Inc	30600	Klepeis Mine	Sand and Gravel	5/16/2002	7
Warren						
Horicon	Horicon, Town of	50067	Landfill Pit	Sand and Gravel	9/27/2002	13
Washington						
Granville	William M Ritchie Jr.	50530	Ritchie's Gravel Bed	Sand and Gravel	6/20/2002	2
Greenwich	Greenwich, Town of	50750	Greenwich Clay Bank #2	Clay	5/10/2002	5

Mines With Final Reclamation Completed During 2002

Town	Company	MineID	Mine Name	Commodity	Date	Acres Affected
Washington						
Kingsbury	Hogan, Ruth	50903	Hogan Pit	Sand and Gravel	9/3/2002	4
Whitehall	Austin, Stanley	50731	Austin Sand and Gravel	Sand and Gravel	7/22/2002	3
Wayne						
Arcadia	Wayne County Highway Dept	80683	Botcher's Gravel Mine	Sand and Gravel	6/19/2002	35
Sodus	Sodus, Town of	80338	Allen Rd Pit- Sodus Landfill Borrow Pit	Glacial Till	6/18/2002	8
Sodus	Sodus, Town of	80592	Adams Pit	Sand and Gravel	6/18/2002	4
Wolcott	Lee Kifer Excavating	80551	Wolcott Sand and Gravel	Sand and Gravel	9/5/2002	3
Wolcott	Tug Hill Construction Inc	80545		Sand and Gravel	2/4/2002	12
Wolcott	Wayne County Highway Dept	80727	Youngman Sand & Gravel Mine	Sand and Gravel	7/2/2002	14
Westchester						
Yorktown	Yorktown Realty Associates LLC	30458		Sand and Gravel	10/7/2002	10
Yates						
Jerusalem	Wilder, Arthur	80282	Botsford Gravel Pit	Sand and Gravel	6/27/2002	7
Jerusalem	Yates County Highway Dept.	80007	Guyanoga Road Cr 29	Sand and Gravel	10/31/2002	31
Middlesex	Dejohn Construction Corp	80699	South Vine Valley Pit	Sand and Gravel	12/11/2002	5
Torrey	Hall & Stearns	80319		Sand and Gravel	2/4/2002	6