



Department of
Environmental
Conservation

NEW YORK STATE OIL, GAS AND MINERAL RESOURCES 2018

DIVISION OF MINERAL RESOURCES

625 Broadway

Albany, New York 12233-6500

www.dec.ny.gov

Division Mission Statement

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

The Division's annual report is dedicated in perpetuity to the memory of John "Jack" K. Dahl for his twenty-five years of service to the Division of Mineral Resources and its mission.

This report was produced by the
NYS Department of Environmental Conservation
Division of Mineral Resources
625 Broadway Albany, NY 12233-6500
(518) 402-8076

Catherine A. Dickert, Director

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Executive Summary

Oil and gas development occur in the western half of the state, including the Finger Lakes region, while mining occurs in every region of the state except in the Department of Environmental Conservation's (DEC) Region 2. Due to the differences in legal reporting requirements, the types of statistics presented for the Division of Mineral Resources' (DMN or Division) two programs are not identical.

Oil, Gas and Solution Mining

Inspections – Staff traveled 93,983 miles to perform 4,788 inspections.

Permits and Completions

Gas:	Permits	0	Completions	0
Oil:	Permits	68	Completions	62
Other:	Permits	23	Completions	16
Total:	Permits	91	Completions	78

Wells Plugged (All Types) –	145
Wells Plugged by Operators	99
Wells Plugged by DMN	45
Wells Plugged by USEPA	1

Wells Reported (All Types) – 14,312

Wells to Date (All Types) – 75,000; majority pre-regulation (plugging status is unknown for most of these wells).

Production and Market Value

Gas	10.6 bcf	Value down	~10%
Oil	224,717 bbl	Value up	~5%
Total O&G Market Value	\$48.0 million		

State Leasing – 77 total leases were in effect covering 44,435 acres; 217 producing wells associated with 63 leases paying production royalties.

Revenues from Oil and Gas

State Revenues	\$205,211
Local Govt. Taxes (est.)	\$1.4 million
Landowner Royalties (est.)	\$6.0 million

Underground Natural Gas Storage – 27 facilities were 72% full at year-end.

Total Storage Capacity	245 bcf
Working Gas Capacity	130.3 bcf
Max. Deliverability	2.76 bcf/day

Solution Mining – Five facilities produced 1.90 billion gallons of brine.

Financial Security – In 2018, New York held \$19.86 million to guarantee well plugging and site reclamation.

Mined Land Reclamation

Inspections – Staff traveled 113,699 miles to perform 2,137 mine inspections.

Permits Issued

New Permits	27
Renewals and Modifications	399
Total Permits	426

Active Mines 1,854

Estimated Economic Impact \$4.98 Billion

Annual Regulatory Fees \$4.15 Million

Common Mine Types

Sand & Gravel	1,486
Bluestone	96
Limestone	86

Owner Type

Industry	1,498
Town	318
County	32
State	6

Net Affected Acreage 49,152

Life-of-Mine Acreage 129,787

Reclaimed Acreage, 2018 836

Reclaimed Since 1975 38,227

Financial Security – In 2018, New York held \$302.5 million to guarantee mine site reclamation.

Oil, Gas and Solution Mining

2018 Summary & Trends

Production, Market Value and Economic Impact

New York State natural gas production in 2018 was 10.6 billion cubic feet (bcf), down approximately 10% from the previous year. Trenton-Black River production declined approximately 19% to 2.6 bcf, accounting for about 25% of 2018 gas production. Gas production from the Medina decreased by nearly 10% to 5.6 bcf, accounting for nearly 53% of 2018 gas production. Oil production increased approximately 5% from the previous year to 224,717 barrels (bbls) in 2018.

The oil and gas produced in New York State in 2018 is valued at an estimated \$48.0 million. Approximately \$1.4 million was generated for local government taxes and nearly \$6.0 million was generated in royalties for landowners.

Wells

In 2018, New York well operators reported 14,312 wells (all regulated well types). Most of these wells were drilled to explore for and/or produce oil or natural gas. Other regulated well types reported in the 2018 total include underground gas storage, solution salt mining, geothermal, brine disposal, monitoring, and stratigraphic. The total number of wells completed increased 129% from the previous year to 78 in 2018.

In 2018, a total of 190 operators reported 2,969 wells with no (zero) production for the entire year. This is in addition to over 4,000 orphaned and unplugged wells in DEC's records.

At the end of 2018, New York held \$19.86 million in financial security to guarantee well plugging and site reclamation.

Regulatory Activity

In 2018, DEC's Division of Mineral Resources (DMN or Division) issued 91 drilling permits, and operators plugged 99 wells in accordance with DMN-issued plugging permits. In addition, 45 abandoned wells were plugged by DMN and 1 abandoned well was plugged by the U.S. Environmental Protection Agency (USEPA or EPA). Total drilled depth of the wells for the year was approximately 132,121 feet (or 25 miles).

No compulsory integration hearings were conducted in 2018.

Division of Mineral Resources' Oil and Gas staff traveled 93,983 miles to perform 4,788 inspections in 2018. Staff inspect well sites:

- during permit application review;
- during drilling and plugging work, with emphasis on cementing operations;
- to ensure regulatory requirements are followed and that violations, if any, are remediated;
- during production and prior to ownership transfers to ensure compliance;
- to score abandoned wells to assess relative threat to the environment and public safety in support of well plugging initiatives;
- to ensure that reclamation meets requirements; and
- to investigate complaints.

Permits, Completions and Inspections

Permits to Drill, Deepen, Plug Back and Convert

DMN issued 91 permits; up 78% from 2017:

- 68 oil
- 20 brine
- 2 stratigraphic
- 1 injection

In 2018, DMN issued permits for wells in five counties; the top three based on total permits were Cattaraugus (64), Wyoming (18), and Chautauqua (5).

- Oil well drilling permits were issued for Cattaraugus (63), and Chautauqua (5) counties.
- Brine well permits were issued for Wyoming (18) and Schuyler (2) counties.
- One injection well permit was issued for Cattaraugus County.
- Two stratigraphic well permits were issued for Tompkins County.

Well Spuds and Completions

- The number of wells spud (started) in 2018 was 83.
- The total number of completions increased 129% from 34 in 2017 to 78 in 2018.
- There were no gas wells completed in 2018.
- Oil well completions increased 158% from 24 in 2017 to 62 in 2018.
- Completions for other regulated well types in 2018 totaled 16.

Inspections

In 2018, Oil and Gas staff performed 4,788 inspections, up approximately 24% from 2017. The increase of 924 inspections from the previous year was due to:

- Abandoned well plugging activity by DEC and EPA;
- Shut-In/Temporary Abandonment compliance efforts associated with inactive wells;
- Requests for transfer of well operatorship and plugging responsibility;
- An increase in the number of Division staff; and
- An increase in the number of available vehicles.

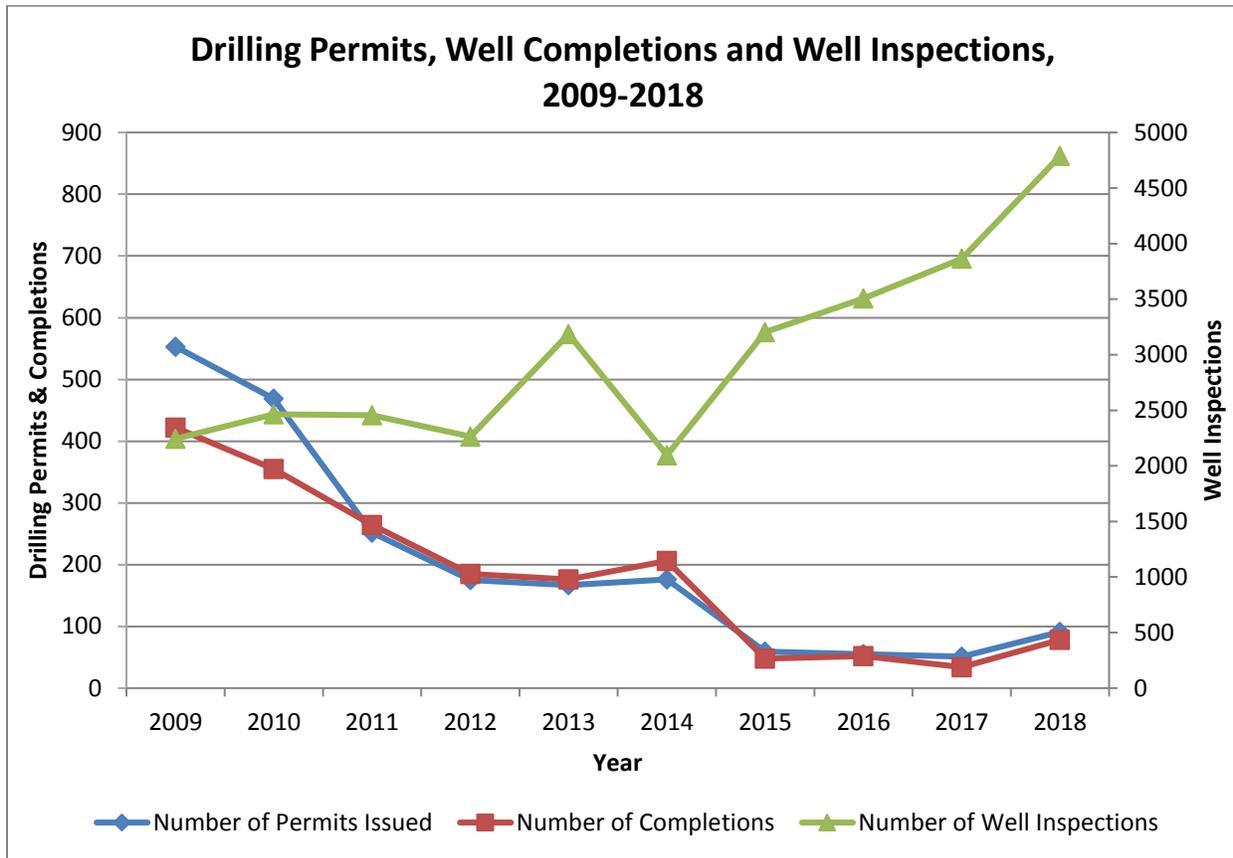


Figure 1 - Drilling Permits, Well Completions and Well Inspections, 2009-2018

Oil & Gas Production

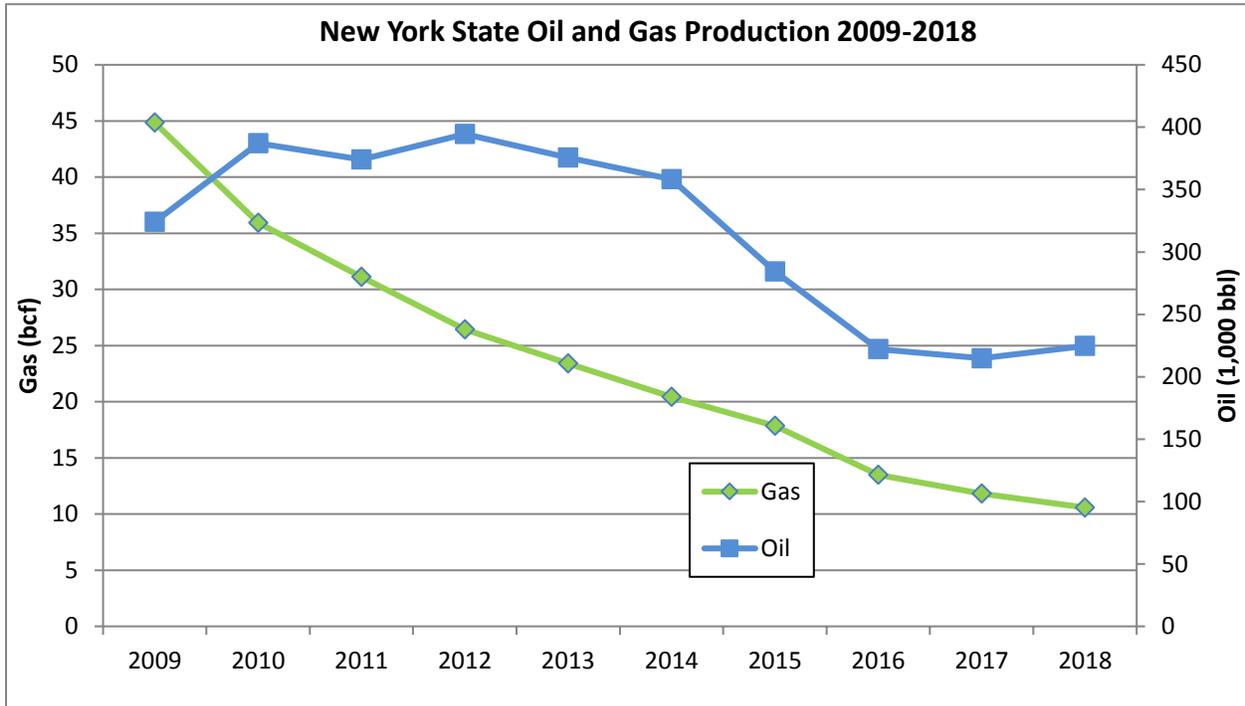


Figure 2 - New York State Oil and Gas Production, 2009-2018

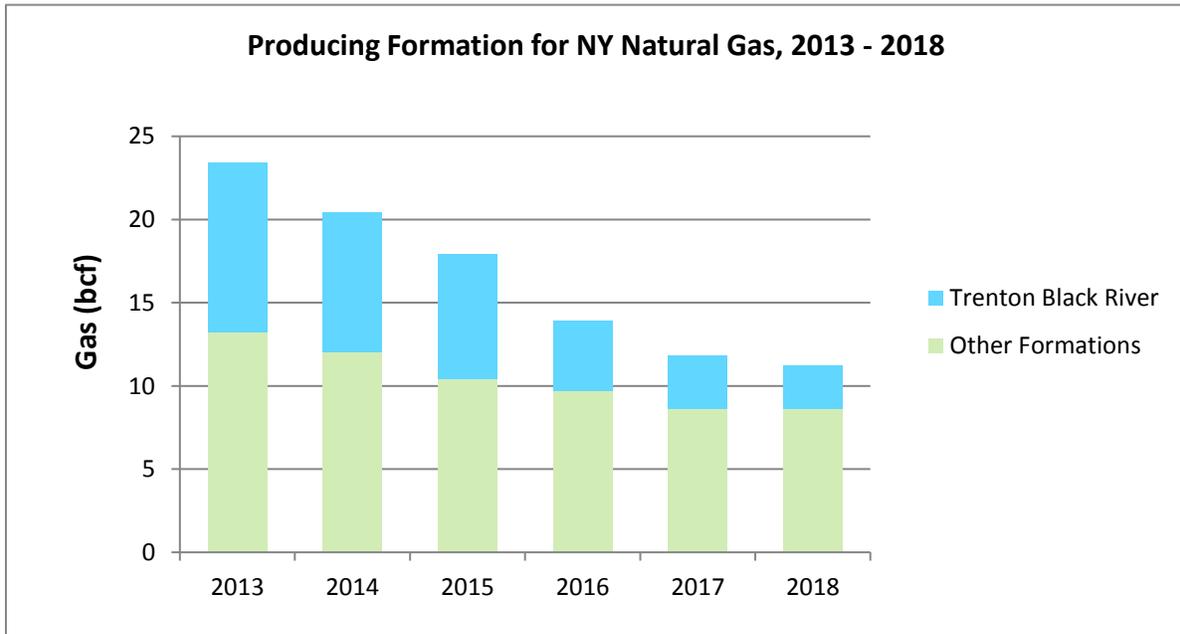


Figure 3 - Producing Formations for New York Natural Gas, 2013-2018

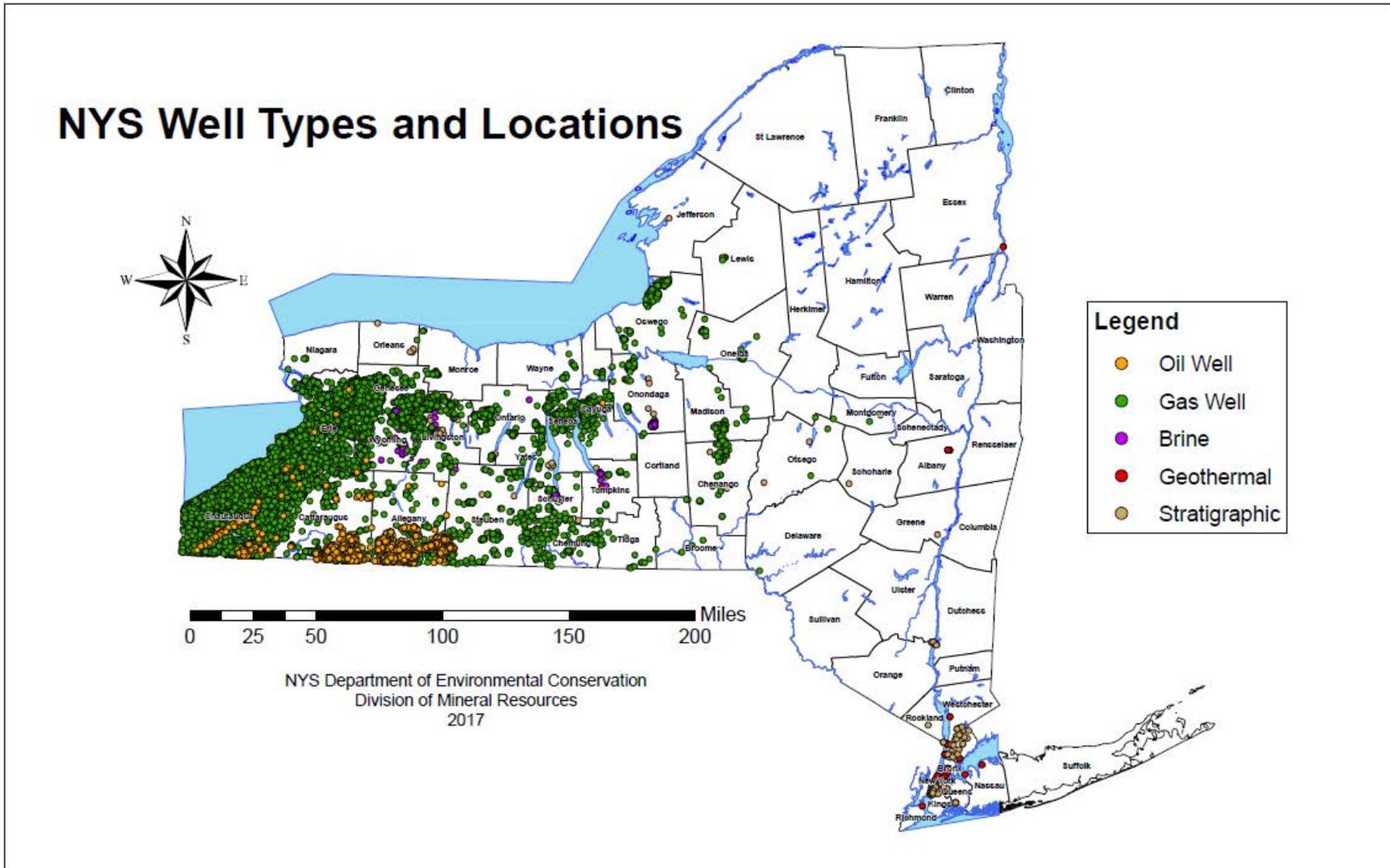


Figure 4 - Map of Well Types and Locations

State Land Oil and Gas Leasing

In 2018, DMN administered 77 leases on 44,435 acres of state land in Allegany, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Erie, Ontario, Schuyler, Seneca, and Steuben counties. There were 217 wells located on and/or unitized with state land associated with 63 of these leases paying production royalties.

Revenues from oil and gas leases on state lands totaled \$205,211 in 2018, a decrease of \$18,915 from 2017. The decrease in leasing revenues paid to the state from the previous year is attributed primarily to the decrease in oil and gas production volumes during 2018.

Although nearly 59,000 acres of state land have been leased since 1999, only 37 (0.06%) of these acres have been disturbed by well drilling, access road and pipeline construction.

State Acreage under Lease at Year-End 2018

- DEC State Forests - 32,383 acres
- DEC Wildlife Management - 1,031 acres
- Other State Agencies - 11,021 acres

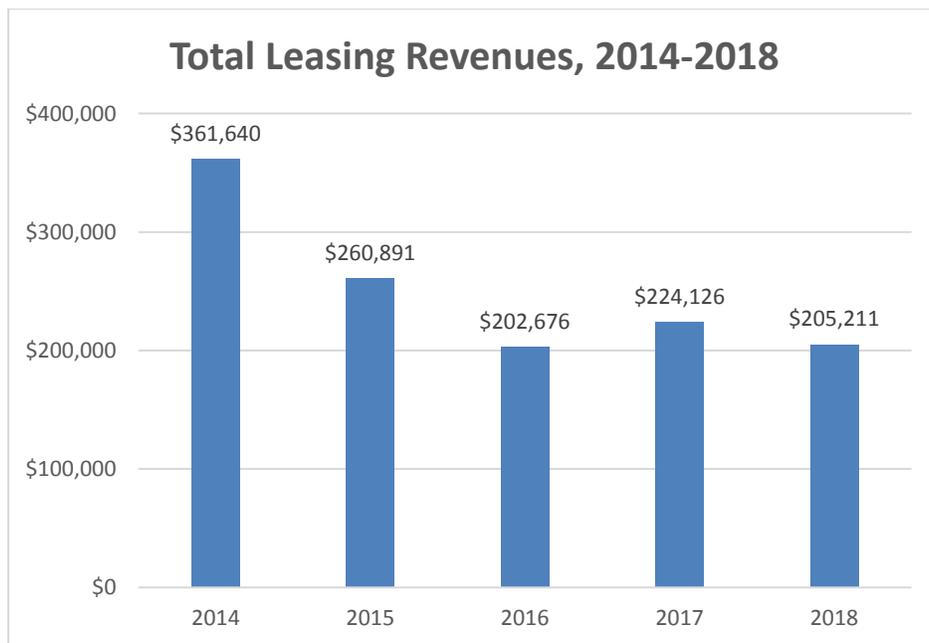


Figure 5 - Total Leasing Revenues, 2014-2018

Underground Gas Storage

Natural gas and liquefied petroleum gas (LPG) are stored underground to help meet seasonal and peak demand for gas while providing a relatively stable market for produced gas. Generally, gas is injected into wells when consumer demand is low and withdrawn when demand increases during times of peak usage over days or seasons. Natural gas is stored in New York State in depleted gas reservoirs and salt caverns while LPG is stored in salt caverns and a mined underground cavern.

2018

There are 27 natural gas storage facilities and three LPG storage facilities in New York State, concentrated in the central and western regions of the state, near both gas production fields and gas transmission facilities.

Natural Gas Storage

- Natural gas injection/withdrawal and monitoring/observation wells: 948
- Total storage capacity: 245.0 bcf
- Utilization: 73.2 bcf injected, 86.3 bcf withdrawn
- Maximum daily deliverability: 2.76 bcf
- Working gas capacity: 130.3 bcf
- Storage at year-end: 176.2 bcf
- Storage capacity in use at year-end: 72%

Seven different companies operate the 27 underground natural gas storage fields in New York State, with over half of the storage fields operated by National Fuel Gas Supply Corporation. Depleted natural gas reservoirs in the Onondaga, Oriskany and Medina Formations are used by 26 of the facilities, and the single, remaining facility uses a solution-mined cavern in the Syracuse Formation. These formations range in depth from 1,500 to 5,000 feet below the earth's surface.

Liquefied Petroleum Gas Storage

- LPG injection/withdrawal wells: 13
- Total storage capacity: 184.2 million gallons
- Utilization: 253.4 million gallons injected; 250.3 million gallons withdrawn

New York State's three LPG underground storage facilities are located in Cortland, Steuben, and Schuyler counties. Finger Lakes LPG Storage, LLC is the operator of the facility in Steuben County and Enterprise Products Operating, LLC is the operator of the facilities in Cortland and Schuyler counties.

Solution Salt Mining

Approximately 8,500 square miles of New York State are underlain by bedded rock salt of potential commercial thickness. New York State's salt deposits occur layered with shale, dolomite, and anhydrite in the lower part of the Silurian-aged Salina Group. Salt is mined in the state via two methods: underground rock salt mining, and solution mining. New York State typically ranks third in total salt mined among the salt-producing states in the United States.

Solution Mining - 2018

Solution mining operations for salt recovery, in the form of brine, currently take place at two fields in Schuyler County and three fields in Wyoming County.

- Plugged wells at current facilities: 315
- Unplugged wells at current facilities: 147
- Fresh water injected: 1.93 billion gallons
- Brine withdrawn: 1.90 billion gallons

How the Salt Is Used

Brine is brought to the surface for evaporation or chemical manufacturing. Salt mined in New York State is used for chlorine and soda ash production as well as for food products and for a wide range of market segments, including agricultural, water conditioning, industrial and chemical, and packaged ice control. Customers range from home improvement, hardware, grocery and convenience store retailers, to food makers/processors, water conditioning dealers, and food service and general wholesale distribution.

DEC estimates that the annual value of salt production from solution mining in New York State is approximately \$275 million.

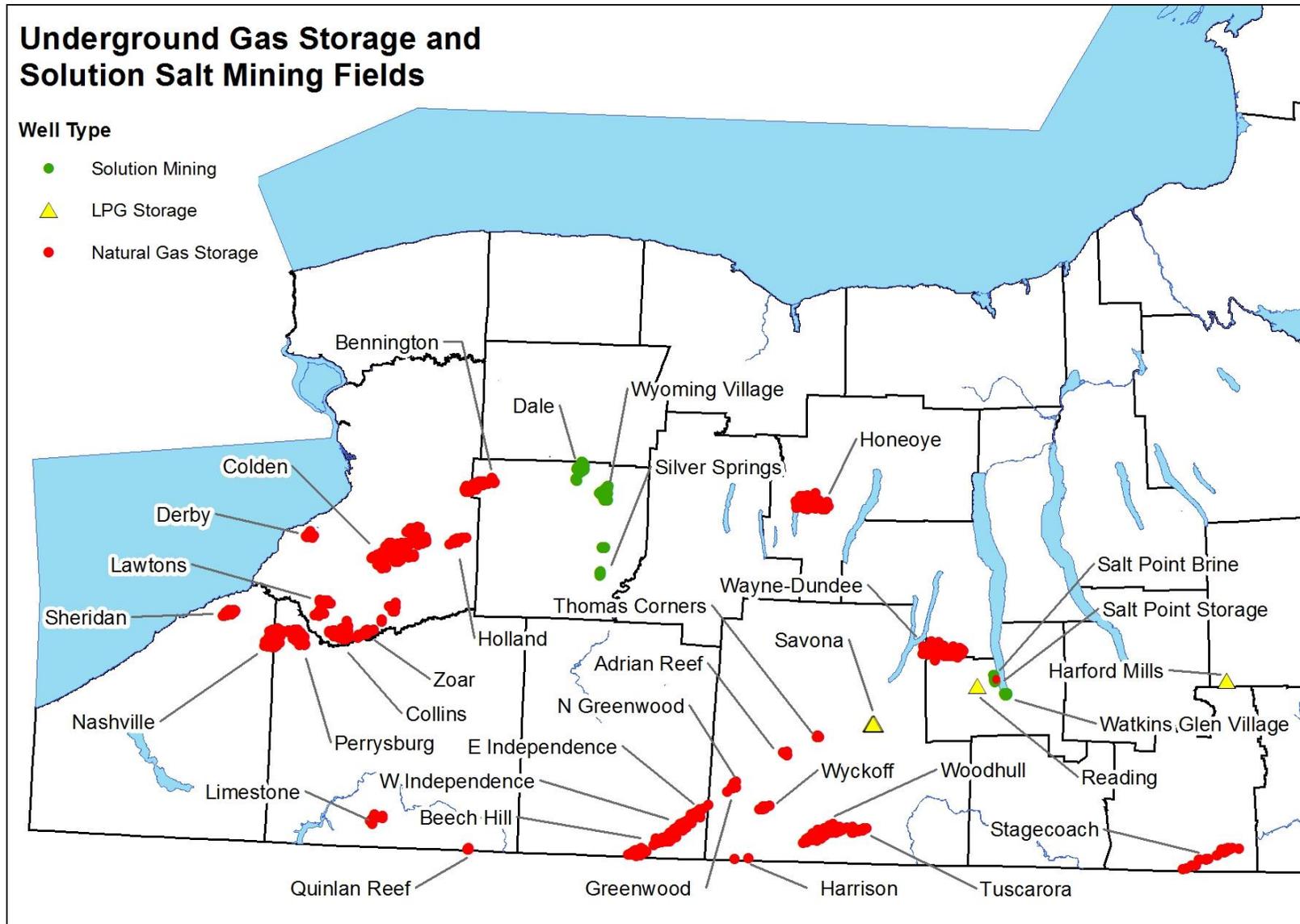


Figure 6 - Map of Underground Gas Storage and Solution Mining Fields

Well Plugging

At the end of their economic life, wells must be plugged in accordance with statutory and regulatory requirements. To ensure the sufficiency of funds for well plugging, DMN holds financial security in amounts statutorily determined based on an operator's number of wells and their depths. At year-end 2018, DMN held \$19.86 million in financial security to guarantee well plugging and well site reclamation.

Plugging Permits

In 2018, operators plugged 99 wells in accordance with requirements in DMN-issued plugging permits. Of the 99 wells plugged in 2018:

- 65 (66%) of the plugged wells were oil wells in the oilfields of western New York;
- 22 (22%) were gas wells; and
- 12 (12%) were comprised of a mix of other regulated well types.

Plugging occurred in 10 counties with 44% of the plugging jobs in Cattaraugus County, 22% in Allegany County, 10% in Wyoming County, and the remaining 24% in other counties.

Plugging of Orphaned and Abandoned Wells

Abandoned wells are unplugged wells (primarily oil or gas wells) that have not been operated and maintained in accordance with prevailing statute and regulation. Many abandoned wells have fallen into advanced states of disrepair. Orphaned wells are a subset of abandoned wells; they are unplugged wells that have been abandoned by their original owners or operators, and for which no legally responsible owner or operator can be identified. These wells exist in all oil and gas producing regions in the United States including New York State, and they represent a relatively small but significant part of the nation's legacy of historical energy production. There are records for over 4,000 orphaned and abandoned wells in DEC's oil and gas database. Most of these wells were drilled prior to the existence of a regulatory framework in New York.

Abandoned wells may present significant public health and environmental hazards. To address these threats, well plugging programs have been developed. If left unplugged, abandoned wells can provide unimpeded conduits for oil, gas, and other fluids to migrate between different geologic formations, into aquifers, and/or to the land surface. Unplugged abandoned wells can also provide a potential route for subsurface methane to escape into the atmosphere, thereby contributing to and increasing levels of greenhouse gases. In 2018, 46 abandoned wells were plugged by DMN or EPA, the majority of which were oil and secondary recovery wells in the Richburg Field in Allegany County.

The 46 abandoned wells were distributed over 7 counties:

- Allegany (31 oil and secondary recovery wells plugged; 67% of total);
- Ontario (5 gas wells plugged; 11% of total);
- Seneca (5 gas wells plugged; 11% of total);
- Oswego (2 gas wells plugged; 5% of total);
- Cattaraugus (1 oil well plugged; 2% of total);
- Chautauqua (1 gas well plugged, 2% of total); and
- Wyoming (1 gas well plugged; 2% of total).

Of the 46 abandoned wells plugged by DMN or EPA in 2018:

- 45 were plugged by DMN.
 - 31 (69%) were oil and secondary recovery wells in Allegany County; and
 - 14 (31%) were gas wells in Ontario, Seneca, Oswego, Chautauqua, and Wyoming counties.
- 1 was plugged by EPA;
 - The well was an oil well in Cattaraugus County.

EPA Well Plugging

In 2018, DMN staff continued working with the USEPA to plug oil wells with federal funding administered by the U.S. Coast Guard as authorized under the Oil Pollution Act of 1990 (OPA 90). The OPA 90 funding is used to address leaking oil wells that pose imminent threats to navigable waterways. As a direct result of DMN staff efforts, USEPA has undertaken several plugging projects in New York State since 2005. In 2018, USEPA plugged one oil well in the Town of Carrollton, Cattaraugus County. In conjunction with the well plugging effort, the well site was reclaimed.

Oil and Gas Account

Since 1981, when the New York State Legislature established the Oil and Gas Account (originally called the Oil and Gas Fund) to address orphaned oil and gas wells, the state has made efforts to plug such wells. The account receives \$100 from every ECL Article 23 Permit to Drill issued by DMN, and occasionally receives additional funds as the result of penalties and fines assessed from enforcement actions. At year-end 2018, this account held \$144,083¹.

Seized Financial Security Well Plugging

The failure of any operator to maintain a bond or other financial security as prescribed in ECL 23 is deemed a breach of plugging responsibilities and entitles DMN to claim the proceeds of the bond or other financial security. Using the seized financial security or any other available funding source, DMN can enter, take temporary possession of, plug or replug any abandoned well whenever any owner or operator neglects or refuses to comply with the applicable rules and regulations. Where adequate seized financial

¹ The 2017 Annual Report mis-reported this figure, which should have been \$129,417.

security is available, DMN initiates well plugging projects to mitigate the potential environmental and public safety threats presented by abandoned wells. In 2018, one well was plugged with seized financial security.

Dersam 1 Well Plugging Project

Town of Bennington, Wyoming County 1 Gas Well

In 2015, the Principal of New York Gas and Oil Company, Inc. filed for bankruptcy and abandoned 87 wells, including the Dersam 1. The 1,600-foot Medina well was left in poor condition with a significant gas leak from a failed patch on the 4 1/2" production casing. In addition, there was evidence of leaks from the compromised brine tank. In response to the ongoing pollution, DMN used seized financial security to initiate the Dersam 1 Well Plugging Project. Well plugging operations began in March 2018 and were concluded in April 2018.



Photo 1 – Dersam 1 (API # 31-121-18153-00-00) – Left, in March 2016 prior to well plugging. Right, leaking gas prior to well plugging.



Photo 2 – Dersam 1 (API # 31-121-18153-00-00) – In May 2018, after well plugging, the well site was graded and left as an access road per the request of the landowner.

New York Works Well Plugging Initiative

The State's fiscal budget for the 2017-2018 fiscal year (FY) included \$2 million for the plugging of orphaned oil and gas wells; this funding - termed the New York Works Well Plugging Initiative (NYWWPI) - has provided a significant opportunity to address these legacy oil and gas wells, some of which represent significant threats to public safety and the environment.

To prioritize the wells for inclusion in NYWWPI well-plugging projects, DEC uses a scoring rubric that assigns numeric values to various aspects of each well (e.g., location, construction, proximity to sensitive receptors) and then sums the individual values to establish a total score for each well. Higher-scoring wells represent greater potential threats, and those wells are given higher priority for plugging under the NYWWPI. Consistent with DEC's practice for all ECL 23 well-plugging operations, upon successful completion of the plugging of the well, the land surface around each well is restored to match adjacent areas. Building on its successes from previous years, in 2018, a total of 44 wells were plugged under eight DEC-initiated NYWWPI well-plugging projects.

Sandy Creek/Pulaski Well Plugging Project 1/2

*Towns of Richland, Sandy Creek, and Volney, Oswego County
2 Gas Wells Plugged in 2018*

These projects include the plugging of a total of 23 abandoned gas wells located primarily in Pulaski and Sandy Creek, Oswego County. The wells were drilled between 1890 and 1920 to known depths ranging from 890 feet to 1,265 feet. Due to the advanced age of these wells and the lack of maintenance, the casing and tubing are in poor condition, providing potential pathways for fluids to pollute groundwater and complicating plugging efforts. Well plugging operations began in November 2018, and two wells were plugged by year end. The well plugging is expected to continue into 2020.



Photo 3 – Stevens 1 (API # 31-075-02466-00-00) – Left, in April 2017 prior to well plugging. Right, rig setup over well in November 2018 during plugging operations.

Ontario County 1 Well Plugging Project

*Towns of Bristol, South Bristol, Canandaigua, East Bloomfield, and Richmond, Ontario County
5 Gas Wells Plugged in 2018*

The project includes the plugging of six abandoned gas wells located throughout Ontario County. Between 1917 and 1976, the wells were drilled to target the Medina, Oriskany, and Queenston formations at depths from 884 to 3,850 feet. Four wells included in the project are leaking natural gas, which is a potential environmental and public safety hazard. Well plugging operations began in August 2018, and five wells were plugged in 2018. It is expected that the project will be completed in 2019.



Photo 4 – Hamilton Walter 2 (API # 31-069-03964-00-00) – Left, in February 2018 prior to well plugging. Right, well site reclaimed to match surrounding landscape.

Wadsworth Hill 1 Well Plugging Project

*Town of Ward, Allegany County
1 Oil Well*

In 2018, DEC received notification of a crude oil spill impacting soils and a drainage ditch in the Town of Ward, Allegany County. The source of the pollution was determined to be an orphaned oil well, the Wadsworth Hill 1. As the existence of the well was previously unknown, the well was likely drilled prior to the establishment of the DEC. To mitigate the source of the pollution, the well was prioritized for plugging. Well plugging and reclamation operations commenced on December 5, 2018 and concluded on December 9, 2018.



Photo 5 – Wadsworth Hill 1 (API # 31-003-60038-00-00) – Left, leaking oil prior to well plugging. Right, well site reclaimed to match surrounding landscape.

C&G Oil Co. Well Plugging Project

*Town of Wirt, Allegany County
16 Oil Wells*

The project consisted of the plugging of 16 orphaned oil wells located in the Town of Wirt, Allegany County. The wells were formerly operated by C & G Oil Co., and little information was known regarding the wells. Due to decades of neglect, the wells had fallen into advanced states of disrepair. Most notably, the Hicks Farm 6 well was leaking fluids, including oil, from a hole in the surface casing into a nearby pond. In an effort to mitigate these environmental and potential public safety threats, the C&G Oil Co. Well Plugging Project was created. Well plugging operations began in August 2018 and concluded in November 2018.



Photo 6 – Hicks Farm 12 (API # 31-003-66782-00-00) – Left, in January 2018 prior to well plugging. Right, after well plugging and reclamation.



Photo 7 – Rig and equipment mobilized to the C&G Oil Co. site for plugging.

Seneca County Well Plugging Project

*Towns of Waterloo, Junius, and Ovid, Seneca County
5 Gas Wells*

The project included the plugging of five gas wells located in three towns in Seneca County. These wells were drilled in the 1930s and 1960s and ranged in depth from 986 to 1,554 feet. Two of the wells, the Button A and Dadson 1, were located within close proximity to New York State freshwater wetlands (Burnett Pond and Junius Ponds). Additionally, the wetlands surrounding the Dadson 1 well site are a known habitat for the endangered bog turtle (*Glyptemys mühlenbergii*). Due to the environmentally sensitive locations of these wells, a heightened potential threat existed. Well plugging operations commenced in late June 2018 and concluded in October 2018.



Photo 8 – Button A (API # 31-099-02247-00-00). – Left, 2016 prior to plugging. Center, Rig set-up during plugging. Right, well site after plugging and reclamation completed.

Leichner 1 Well Plugging Project

*Town of Carroll, Chautauqua County
1 Gas Well*

The project included the plugging of one abandoned gas well, the Leichner 1 (API # 31-013-20286-00-00), that was audibly leaking natural gas in a wooded area, nearby a residence and wetland. The well was drilled in 1986 to a total depth of 4,465 feet, targeting the Medina formation. The well was abandoned by the responsible operator, and it represented an environmental and potential public safety hazard. Plugging operations commenced in September 2018 and were completed shortly after in October 2018.



Photo 9 – Leichner 1 (API # 31-013-20286-00-00) – Left, leaking gas prior to plugging. Right, well site after plugging and reclamation operations were completed.

Moose Oil Wells - Package 2 Well Plugging Project

Town of Bolivar, Allegany County

14 Oil and Secondary Recovery Wells Plugged in 2018

The project consists of the plugging of 61 abandoned oil and injection wells located on the Tullar Lease, a subset of the leases formerly operated by Moose Oil Company. The wells were drilled in the early to mid-1900's to target the Perrysburg Unit at known depths from 1,312 to 1,720 feet. The wells had fallen into states of disrepair as a result of being abandoned for several decades. Plugging operations commenced in June 2017 and were completed in February 2018.



Photo 10 – Tullar p-20 (API # 31-003-61137-00-00) - Left, injection well, 2013, prior to plugging. Center, rig and equipment mobilized for plugging. Right, well site after reclamation.

Mined Land Reclamation

2018 Summary & Trends

Mineral Production, Market Value and Economic Impact

Mining occurs in every region of New York State, except the New York City area, as shown on the map entitled “Mines in New York.” The U.S. Geological Survey estimated the annual value of New York's mineral production in 2014 at \$1.28 billion. The estimated economic impact from mining in New York in 2011 (the most recent year for which this data is available) is \$4.98 billion.

Production of the state's major mined commodities remains relatively constant from year to year. In 2014, New York ranked nineteenth nationally in terms of the value of overall nonfuel mineral production. Nationally, New York ranked first in industrial garnet production and third in salt. Salt was the leading mineral commodity based on production value, followed by crushed stone and construction sand and gravel. New York remains the sole domestic producer of wollastonite. New York is also a significant producer of masonry cement and portland cement.

The Center for Governmental Research, Inc. (CGR) document entitled “The Economic Impact of the New York State Mining and Construction Materials Industry, October 2011” prepared for the New York State Geological Survey/New York State Museum states that the majority of mining in New York is for construction materials used to build and maintain the state's infrastructure. The mined commodities, in addition to the hot mixed asphalt, ready mix concrete and cement industries, were responsible for generating \$1.2 to \$1.3 billion in wages and 28,000 to 30,000 jobs in New York State. CGR estimates the mining and construction materials industry contributes about \$100 million in public sector revenues (sales tax, personal income tax, motor fuel tax, corporate franchise tax and Mined Land Reclamation Law fees). The Division assessed \$4.15 million in regulatory program fees in 2018, which is \$30,000 lower than the amount assessed in 2017.

Types of Mines and Mineral Usage

The most common mine types in 2018 were sand and gravel (1,486), bluestone (96), and limestone (86). In 2018, New York had 1,854 active mines, a decrease of 18 mines from 2017. The majority of these mines produced sand and gravel or other surficial deposits such as glacial till, clay or topsoil. Sand and gravel mines account for nearly 80% of DEC-regulated mines. Seventeen of the new mining permits issued in 2018, or 63%, were for sand and gravel.

There were 325 hardrock mines producing material ranging from bluestone, limestone, sandstone, shale and salt, to less-common products such as wollastonite and zinc.

Most of New York's hardrock mines are surface quarries, but there are several permitted underground mines.

The Mineral Information Institute reports that “every American born will consume 3.03 million pounds of minerals, metals and fuels in their lifetime.” In other words, minerals, metals and fuels are critical to the existence and prosperity of everyone in the United States. In addition to recycled materials, nearly 38,449 pounds of new minerals must be provided every year for the things that every person in the United States uses.

Permitting and Reclamation Statistics

The number of permitted mines has declined for 20 consecutive years. Mine operators continued to replace production by expanding current mines, rather than opening new ones. This trend held true for sand and gravel mines, while the total number of permitted hardrock quarries remained nearly the same. Only 27 of the Mined Land Reclamation Permits issued in 2018 were for new facilities.

A total of 49,152 acres were affected by mining in 2018 out of a total approved life-of-mine area of 129,787 acres. All affected acreage must be reclaimed at the conclusion of mining operations. Concurrent reclamation can be accomplished immediately upon completion of a portion or "phase" of a mine while mining occurs elsewhere within the life of mine area, or reclamation of the entire affected area can occur when mining has stopped, known as final reclamation. The Division of Mineral Resources continues to have success promoting concurrent reclamation with 523 acres reclaimed at 76 operating mines in 2018. Final reclamation of 313 acres occurred at 39 closed mines bringing the 2018 total to 836 acres. Roughly 38,227 acres of land affected by mining have been reclaimed since 1975.

In 2018, DMN held \$302.5 million in financial security to guarantee mine site reclamation.

Inspections

In 2018, Mined Land staff performed 2,137 mine inspections and traveled 113,699 miles. Staff inspect mine sites:

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

Permits and New Mines

The Division of Mineral Resources issued 27 permits for new mines and 399 renewals or modifications, for a total of 426 permits. Sand and gravel mines were the most common type of newly-permitted mines in 2018.

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

Table 1 - Mined Land Reclamation Permits, 2014-2018

	2014	2015	2016	2017	2018
New Permits	28	29	43	21	27
Renewals	302	289	260	228	246
Modifications	134	103	118	169	153
Total Permits	464	421	421	421	426

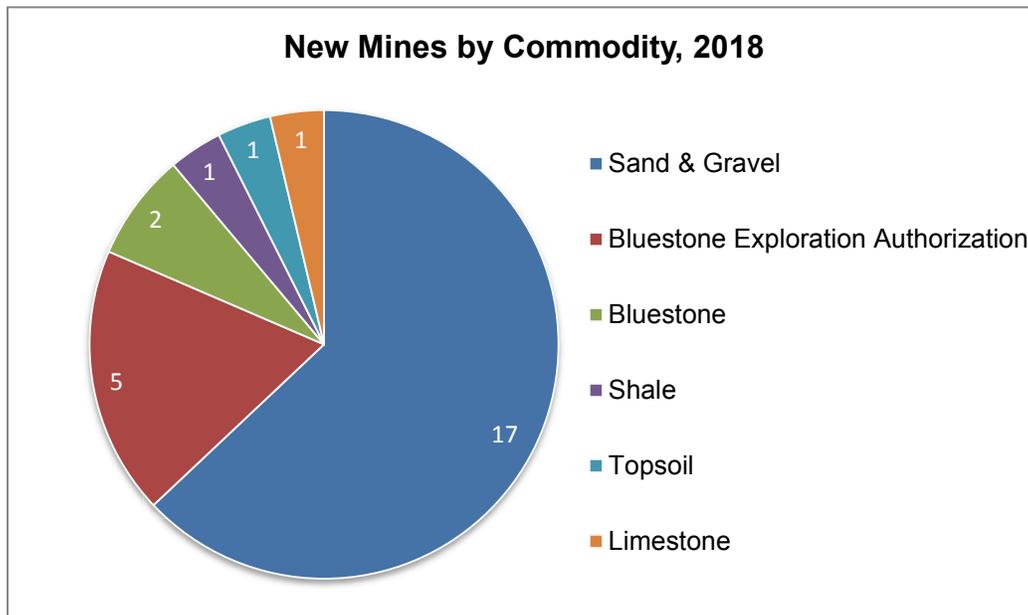


Figure 7 - Chart of New Mines by Commodity, 2018

Mines in New York

Owner Type

There are 1,854 active mines as shown on the following map. In 2018, industry operated 1,498 mines or 81% of the mines in New York State. Towns, villages and other small local government entities operated 318 mines, and 32 mines were county-owned and operated. New York State agencies operated six mines. Most of the government mines are permitted to highway departments that use the material for road maintenance.

Trends in Mine Size and Number

Mine renewal and modification permits issued in 2018 ranged in life-of-mine acreage from 1 to 1,124 acres. However, new mines are often smaller; about 56% of new mines permitted in 2018 were 10 acres or less in size. The largest new mine was the 122.4-acre F S Lopke Contracting Inc. - Ayers-Brink Mine in Tioga County.

The following tables provide 2014-2018 mine sizes for all active mines, and detailed information on Mined Land Reclamation Permits by county. While the number of mines has been decreasing over time, the rate of decline has been greater for mines under 5 acres in size and those ranging between 10 to 20 acres in size. This was due to many operators expanding or combining existing mines rather than seeking permits for new sites combined with final reclamation of mines. This trend began to change, in 2009, when the required regulatory fees were increased for sites with greater than 20 acres affected by mining. However, since 2013 there is a slight increase in the total number of mines with more than 30 acres affected and since 2015 there is an increase in the total number of mines ranging between 5 and 10 acres in size.

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

Table 2 - Range of Mine Sizes, 2014-2018

	2014	2015	2016	2017	2018
Minor Projects	47	48	47	39	38
0 to 5 Acres	549	534	516	488	467
> 5 to 10 Acres	434	426	436	437	451
> 10 to 20 Acres	421	416	409	409	400
> 20 to 30 Acres	158	163	165	163	161
> 30 Acres	343	342	335	336	337
Total Mines	1,952	1,929	1,908	1,872	1,854

Table 3 - Counties with Highest Percentage of Acreage Permitted by Mining, 2018

County	Population Center Nearby	Active Mines	Net Affected Acreage	Land Percent
Onondaga	Syracuse	36	2,274.3	0.44
Rensselaer	Capital/Tri-City	52	1,829.9	0.43
Genesee	Rochester	17	1,362.2	0.43
Albany	Capital/Tri-City	20	1,399.88	0.41
Rockland	New York City	3	495	0.39
Ontario	Rochester	35	1,541.6	0.36
Dutchess	New York City	45	1,723.7	0.33
Wayne	Syracuse	36	1,202.1	0.31
Niagara	Buffalo	11	1,019	0.30
Erie	Buffalo	41	2,019.1	0.30
Saratoga	Capital/Tri-City	59	1,602	0.25

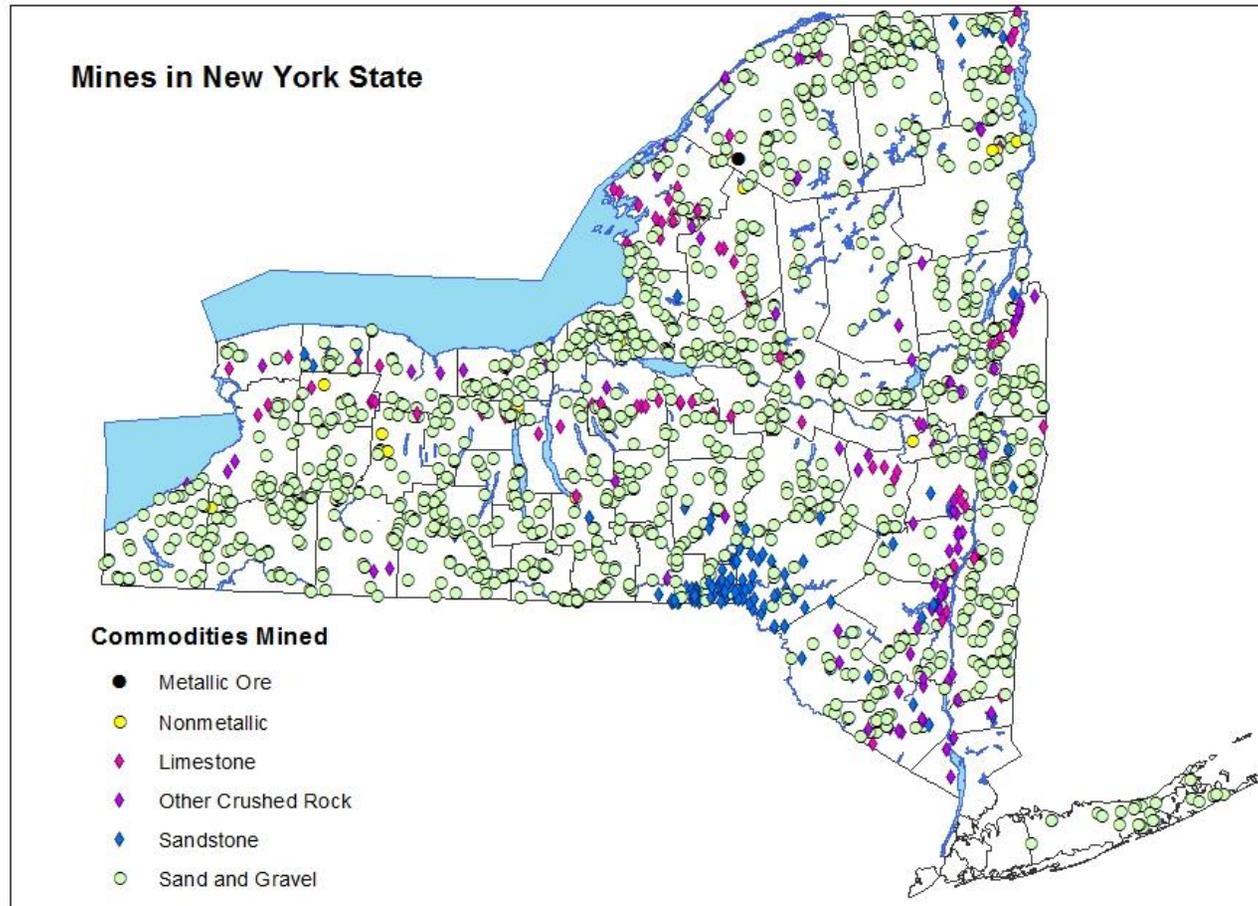


Figure 8 - Map of Mines in New York State

Table 4 - Number of Permits, Acreage and Reclaimed Acreage by County, 2018

County	2018 New Permits		Total Permits		Concurrent Reclamation	Final Reclamation	Total Reclaimed
	Number	Acres ¹	Number	Acres ¹	Acres	Acres	Acres
Albany	1	5	20	1399.9	18.4	0	18.4
Allegany	0	0	30	462.8	0	0	0
Broome	5	7.5	71	846.4	0	33.9	33.9
Cattaraugus	0	0	65	1830.9	37.3	0	37.3
Cayuga	0	0	14	275.0	0	0	0
Chautauqua	3	18.1	43	605.7	0	14.5	14.5
Chemung	0	0	20	258	2.5	22.7	25.2
Chenango	2	9.2	39	786.5	12	1	13
Clinton	1	1.3	63	1083.7	13.5	0	13.5
Columbia	0	0	24	836.8	5	19	24
Cortland	1	9.6	19	323.9	4.4	0	4.4
Delaware	1	10	61	721.9	18.1	10	28.1
Dutchess	0	0	45	1723.7	54.5	0	54.5
Erie	0	0	41	2019.1	31.3	4	35.3
Essex	1	23	41	877.7	0	9	9
Franklin	1	7.9	64	618.6	12	4.5	16.5
Fulton	0	0	26	419.5	0	10.3	10.3
Genesee	0	0	17	1362.2	0	0	0
Greene	0	0	16	946.4	9.6	0.4	10

County	2018 New Permits		Total Permits		Concurrent Reclamation	Final Reclamation	Total Reclaimed
	Number	Acres ¹	Number	Acres ¹	Acres	Acres	Acres
Hamilton	0	0	15	95.0	4	5	9
Herkimer	0	0	40	1287.7	0	0	0
Jefferson	1	4.9	59	1535.4	4.3	61.5	65.8
Lewis	0	0	32	595.0	1	0	1
Livingston	0	0	21	718.6 ²	53	0	53
Madison	0	0	21	493.2	0	30	30
Monroe	0	0	11	661.2	8.4	0	8.4
Montgomery	0	0	7	620	0	0	0
Nassau	0	0	0	0	0	0	0
Niagara	0	0	11	1019	0	0	0
Oneida	1	2	55	1029.2	0	3	3
Onondaga	0	0	36	2274.3	4	1	5
Ontario	0	0	35	1541.6	41	0	41
Orange	0	0	33	587.6	4.1	4	8.1
Orleans	0	0	18	596.8	1.6	4	5.6
Oswego	3	22.9	94	1602	16.4	0	16.4
Otsego	0	0	31	416	15.4	1.5	16.9
Putnam	0	0	2	61.3	0	13	13
Rensselaer	1	5	52	1829.9	6	0	6
Rockland	0	0	3	495	0	0	0

County	2018 New Permits		Total Permits		Concurrent Reclamation	Final Reclamation	Total Reclaimed
	Number	Acres ¹	Number	Acres ¹	Acres	Acres	Acres
Saratoga	0	0	59	1602.3	3.1	0	3.1
Schenectady	0	0	8	217.8	0	0	0
Schoharie	0	0	16	551.0	0	0	0
Schuyler	0	0	11	247.0	0	3.5	3.5
Seneca	0	0	5	599.7	0	0	0
St. Lawrence	3	24.5	97	1845.6	44.7	4.9	49.6
Steuben	1	3.8	69	1745	53.1	9.6	62.7
Suffolk	0	0	23	1213	0	0	0
Sullivan	0	0	24	1135.2	0	6.5	6.5
Tioga	1	40.2	26	781.6	11.7	3	14.7
Tompkins	0	0	16	345.7 ²	0	0	0
Ulster	0	0	47	774.4	6	0	6
Warren	0	0	32	693.0	0	21	21
Washington	0	0	54	992.9	5	0	5
Wayne	0	0	36	1202.1	5	0	5
Westchester	0	0	1	1	0	0	0
Wyoming	0	0	23	200.2	12	12	24
Yates	0	0	12	147.1	4.6	0	4.6
Statewide	27	194.9	1,854	49,152.1	523.0	312.8	835.8

¹ Net affected acreage

² Does not include underground acreage for salt mines in Livingston (847.8 acres), Tompkins and Seneca (9,330.03 acres).

Reclamation

Every mine must be reclaimed at the end of its productive life, and DMN holds significant financial security to ensure that reclamation occurs. DEC also encourages concurrent reclamation to minimize potential negative environmental impacts and to more quickly return lands affected by mining back to other productive uses. The permittee benefits from conducting concurrent reclamation in the form of reduced financial security and lower annual regulatory fees. DEC has seized the financial security for sites where operators have abandoned their reclamation responsibilities. The Mined Land Reclamation Program uses the seized funds to reclaim the sites in accordance with the Environmental Conservation Law. Examples of significant reclamation projects for 2018 include:

Site Reclamation Completed by Permittee

Concurrent Reclamation and National Award for Outreach - Region 3: Thalle Industries Inc. – Thalle Fishkill Quarry

Town of Fishkill, Dutchess County (30069)

The reclamation plan for the 64.9-acre Fishkill Quarry is designed to minimize the visual impacts to Fishkill Ridge and other lands used by the public. The reclamation plan calls for 25-foot-high faces and 20-foot-wide benches with an aggressive, concurrent reclamation schedule. Benches are planted with oak, maple, birch, and hickory trees along with nitrogen fixing shrubs including northern bayberry, New Jersey tea and sweet fern. Mined Land staff nominated the site for the National Association of State Land Reclamationists' (NASLR) outreach award. NASLR presented the award to Thalle at the Annual NASLR Conference in Williamsburg, Virginia in September 2018.



Photo 11 - Thalle Fishkill Quarry - 2017 Trees being planted on benches.



Photo 12 - Thalle Fishkill Quarry - 2018 Reclaimed benches.

Final Reclamation - Region 4: Working Lands Investment Partners, LLC – McLaren Road Pit

Town of Catskill, Greene County (40415)

Final reclamation approval was given for the 38.4-acre shale mine in June 2018. The site was reclaimed to a wetland complex as part of a Wetland Mitigation Plan. The mitigation plan was initiated to compensate for wetlands lost due to the construction of the Catskill Second Mainline Track Project by CSX Transportation, Inc. A total of 2.13 acres of wetlands was created at the site. The remaining area was graded and seeded to establish a grassland meadow.



Photo 13 - Working Lands - Reclaimed wetland, June 2018.

Reclamation Test Plot – Region 4: David Barnes - Masonville Quarry

Town of Masonville, Delaware County (40743)

The permittee initiated a pilot test in 2016 to reclaim the Masonville Quarry with trees and shrubs. The regional forester recommended a mix of bristly locust, white pine and poplar. Bristly locust is ideal for mined land reclamation, slope stabilization, and soil improvement because its characteristics include fast growth, nitrogen fixation and propagation by root sprout into thickets. Staff conducted an inspection of the site in August of 2018 to determine the survival rates of the trees and shrubs that were planted on spoil piles. Approximately eighty-five percent of the trees were alive and increased significantly in size since 2017.



Photo 14 – Masonville Quarry - left to right - bristly locust 2016, 2017 and 2018.

Final Reclamation – Region 4: John and James Tausel - J&J Tausel Mine

Town of Maryland, Otsego County (40395)

Final reclamation approval was given to the 15-acre sand and gravel mine in April 2018. The permittee graded the slopes, replaced topsoil, and revegetated the site to meet the agricultural reclamation objective.



Photo 15 – J&J Tausel Mine – Final Reclamation, April 2018.

Final Reclamation - Region 7: Kenneth Decker – D&D Bluestone Quarry

Town of Conklin, Broome County (70867)

Final reclamation approval was given for the nine-acre bluestone mine in September 2018. The permittee backfilled the site using tailings and overburden, graded the slopes, placed topsoil, and vegetated the site to meet the grassland, meadow reclamation objective.



Photo 16 - D&D Bluestone - Left, Site prior to reclamation. Right, reclaimed site, September 2018.

Concurrent Reclamation – Region 1: Westhampton Property Associates Inc - Westhampton Property Associates Mine

Town of Southampton, Suffolk County (10042)

The reclamation plan for the 80-acre sand mine is designed for trees and grasses to be planted at the site to establish a pine barrens habitat. The permittee graded, spread topsoil and seeded the side slopes and planted trees in the mine floor area during the summer of 2018 to establish the reclamation objective. DEC continues to encourage concurrent reclamation as a means of reducing the environmental impacts of mining as well as the costs for the permittee.



Photo 17 - Westhampton Properties - Left, site reclaimed to Pine Barrens habitat. Right, close-up of pine tree, September 2018.

Concurrent Reclamation - Region 4: Mike Stocking – Kukenburger Sand and Gravel Mine

Town of Middlefield, Otsego County (40538)

In September 2018, the DEC gave concurrent reclamation approval for two acres at the Kukenburger site. The permittee graded, spread topsoil and planted the reclaimed area to corn, which is approximately six to seven feet tall. A total of 19.4 acres of the 44.7-acre Life of Mine have been approved reclaimed to agricultural production.



Photo 18 - Kukenburger Sand and Gravel - Concurrent reclamation.

Concurrent Reclamation - Region 9: Redland Quarries NY Inc. – Freedom Pit

Town of Freedom, Cattaraugus County (90028)

In June 2018, the DEC gave concurrent reclamation approval for 19.2 acres at the Freedom Pit. The permittee graded, spread topsoil and seeded several sections of the mine to establish open grassland at the site. A total of 79.7 acres of the 266.3-acre life of mine have been approved as reclaimed.



Photo 19 - Freedom Pit - Left, Concurrent reclaimed slope near conveyer. Right, Close-up view of reclaimed slope, June 2018.

Site Reclamation Using Seized Financial Security

Site Reclamation Using Seized Financial Security - Region 8: Morris A. Kennedy – Kennedy Pit

Town of Groveland, Livingston County (80210)

Mined Land staff coordinated with Region 8 Operations staff to perform the reclamation of an abandoned sand and gravel mine using seized financial security. Operations staff rough graded the site in the Fall of 2017 and returned in the Spring of 2018 to spread topsoil, seed and mulch across the site to create an open grassland adjacent to an existing pond. The landowner currently uses the former mine as pasture for their dairy operation. A total of 11 acres were reclaimed as part of this reclamation project.



Photo 20 - Kennedy Pit prior to reclamation, September 2017.



Photo 21 - Kennedy pit final reclamation.

Site Reclamation Using Seized Financial Security - Region 9: James R. Eimers – McCutcheon Gravel Pit

Town of Ripley, Chautauqua County (91011)

Mined Land staff coordinated with Region 9 Operations staff to perform the reclamation of an abandoned sand and gravel mine using seized financial security. Mine faces were graded, topsoil was replaced, and the site was seeded for an agricultural reclamation objective. DEC approved the final reclamation of the site in November 2018. A total of 5 acres were reclaimed as part of this reclamation project.



Photo 22 - McCutcheon Gravel Pit prior to reclamation, May 2017.



Photo 23 - McCutcheon Gravel Pit final reclamation, October 2018.

Site Reclamation Using Seized Financial Security - Region 6: Torrington Industries – Watertown Sand and Stone Mine

Town of Watertown, Jefferson County (60077)

Mined Land staff coordinated with the Division of Operations and the Job Order Contractor, The Pike Company, to perform the reclamation of an abandoned sand, gravel and limestone quarry using seized financial security. The contractor graded slopes that contained severe erosion and constructed new rock-lined drainage features using large limestone rocks salvaged from the quarry to reduce the transport of

sediment into the ponds located internal to the site. DEC approved the final reclamation of the 46-acre mine in October 2018.



Photo 24 - Watertown Sand and Stone Mine prior to reclamation, April 2016.



Photo 25 - Watertown Sand and Stone Mine after construction of rock-lined drainage feature, October 2018.

DIVISION OF MINERAL RESOURCES

OIL AND GAS STATISTICS ¹

(2009 - 2018)

Annual Production	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Oil (1,000 bbl)	324	387	374	395	375	358	283	222	215	225
Gas (mmcf)	44,850	35,938	31,109	26,424	23,405	20,438	17,919	13,486	11,809	10,579
Well Statistics										
Oil	3,401	3,866	3,723	3,545	3,694	4,028	3,959	3,982	3,775	3,411
Gas	6,628	6,841	7,188	7,116	7,119	7,152	6,979	6,862	6,648	6,729
Inactive Oil	1,437	1,535	1,759	1,450	1,887	1,441	1,588	1,572	1,719	1,808
Inactive Gas	1,122	1,096	774	609	735	628	645	725	848	811
Storage	963	960	956	972	962	957	953	951	948	948
Active Brine	108	127	127	136	110	106	120	121	149	147
Inactive Brine	37	23	23	18	21	19	2	2	7	2
Water Injection	446	451	432	305	211	287	318	305	317	342
Miscellaneous Monitoring	5	5	5	5	6	11	10	6	6	6
P&A (During Year)	242	193	146	322	301	234	232	245	179	145
Number of Wells	14,389	15,097	15,133	14,478	15,046	14,863	14,806	14,771	14,596	14,349
Drilling & Completions										
1. Total Wells Spudded	296	302	227	171	149	175	49	47	46	83
2. Total Wildcats	64	47	7	10	10	8	2	1	1	0
3. Discoveries	246	282	180	138	114	142	35	29	25	55
a. Oil Wildcat	0	6	0	1	1	0	0	1	0	0
b. Gas Wildcat	64	41	7	6	5	8	2	0	1	0
4. Total Dry Holes	12	4	4	5	4	0	0	0	0	0
5. Oil										
Development	191	178	152	137	124	150	37	28	24	62
Extension	0	0	0	0	1	0	0	0	0	0
6. Gas										
Development	86	56	20	5	4	0	0	0	0	0
Extension	4	1	1	1	0	4	0	0	0	0
7. Injection	0	0	0	0	0	0	0	1	3	0
8. Disposal	0	0	0	0	0	0	0	0	0	0
9. Stratigraphic	3	1	18	3	9	4	0	4	0	1
10. Service	0	0	0	0	0	0	0	0	0	0
11. Brine	4	7	12	8	12	17	9	8	4	13
12. Storage	19	3	0	3	1	1	0	1	0	2
13. Geothermal	0	0	4	2	0	1	0	10	2	0
14. Miscellaneous Monitoring	0	0	0	0	1	5	0	0	0	0
15. Suspended wells ²	32	5	0	9	15	16	18	19	3	14
16. Total Completions	415	302	218	180	177	206	66	72	37	92
(3a,3b,4,5,6,7,8,9,10,11,12,13,14,15)										
Footage - Vertical Wells ^{3,4}	654	670	448	334	246	316	72	70	61	132
- Deviated Wells ^{3,4}	206	132	53	78	46	77	27	5	6	7
17. Total Footage Drilled^{3,4}	860	802	502	412	292	394	99	75	67	139
Proven Reserves at Year End										
Gas (mmcf)										
A. In Situ	335,794	299,802	318,787	149,670	178,744	197,678	199,473	238,382	253,019	279,047
B. In Storage Reservoirs	181,546	186,396	199,906	196,193	190,530	191,448	205,703	187,279	189,279	176,200
C. Total	517,340	486,198	518,693	345,863	369,274	389,126	405,176	425,661	442,298	455,247
Oil (1,000 bbls)	3,474	3,614	3,912	4,182	4,030	4,204	3,942	3,675	3,258	2,850

¹ Statistics for lines 2 - 15 are based upon received completion reports from the operators.² Suspended wells: wells drilled to TD but completion category not yet determined.³ In thousands.⁴ Footage totals prior to 2016 have been corrected using an updated calculation method, and will not match those of previous Annual Reports.

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Allegany									
Alfred	0	0	0	0	0	0	1	0	0
Allen	0	0	0	0	2	0	0	0	0
Alma	6,567	4,150	438	25	0	135	93	0	41
Almond	1,024	0	0	1	0	0	0	0	0
Amity	2	55	64	1	3	8	5	0	0
Andover	69,141	7,160	4,829	1	0	248	26	0	0
Angelica	259	0	0	1	0	0	0	0	0
Bolivar	3,568	3,320	4,682	0	8	187	475	2	77
Centerville	0	0	0	0	1	0	0	0	0
Clarksville	5	12	102	0	0	6	37	0	1
Friendship	0	0	0	0	0	0	2	0	0
Genesee	6	1,143	8,455	3	4	96	240	0	104
Granger	100	0	0	1	0	0	0	0	0
Hume	0	0	0	0	1	0	0	0	0
Independence	71,554	6,285	1,804	6	0	339	1	4	0
New Hudson	0	0	0	0	1	0	0	0	0
Rushford	2	0	0	2	0	0	0	0	0
Scio	0	127	237	0	7	15	223	0	56
Ward	3	0	0	3	0	0	0	0	0
Wellsville	4,411	1,824	1,773	0	0	47	63	0	8
Willing	288	129	4	1	1	7	21	0	0
Wirt	3,054	1,437	417	0	0	83	55	0	0
County Total	159,984	25,642	22,805	45	28	1,171	1,242	6	287
Cattaraugus									
Allegany	146,595	73,787	42,554	5	0	728	233	10	14
Ashford	9,448	290	0	19	2	1	0	0	0
Carrollton	65,991	38,937	28,444	3	0	386	56	3	10
Cold Spring	0	0	0	0	4	0	0	0	0
Conewango	125,332	0	4	80	0	0	0	0	0
Dayton	65,389	0	27	60	8	0	2	0	0
East Otto	27,080	0	0	12	3	0	0	0	0
Ellicottville	4,883	0	0	12	0	0	0	0	0
Farmersville	6	0	0	2	0	4	0	0	0
Freedom	1,538	1,086	300	8	3	1	0	0	0

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Cattaraugus									
Great Valley	1	0	0	1	0	0	0	0	0
Hinsdale	3	7	1	0	0	3	1	0	0
Leon	140,940	38	141	99	5	0	0	0	0
Little Valley	2	0	0	2	0	0	0	0	0
Machias	705	0	0	2	0	0	0	0	0
Mansfield	1	0	0	1	0	0	0	0	0
Napoli	786	0	0	2	0	0	0	0	0
New Albion	3,845	0	0	16	1	0	0	0	0
Olean	802	23,433	1,429	0	5	282	206	0	0
Olean City	0	0	0	0	0	0	1	0	0
Otto	48,731	53	100	62	8	1	0	0	0
Perrysburg	66,768	0	420	53	4	0	0	0	0
Persia	122,300	0	40	96	5	0	0	0	0
Portville	7	65	5	1	1	6	0	0	0
Randolph	74,916	664	0	84	0	2	0	0	0
South Valley	649	0	0	2	0	0	0	0	0
Yorkshire	16,923	0	0	21	3	0	0	0	0
County Total	923,641	138,360	73,465	643	52	1,414	499	13	24
Cayuga									
Auburn City	2,156	0	0	1	0	0	0	0	0
Aurelius	247,838	0	422	137	2	0	0	0	0
Conquest	1	0	0	0	0	0	0	0	0
Fleming	33,887	0	377	31	4	0	0	0	0
Ledyard	193	0	0	1	3	0	0	0	0
Owasco	2	0	0	2	1	0	0	0	0
Scipio	1	0	0	1	2	0	0	0	0
Sennett	223	0	0	1	0	0	0	0	0
Springport	183,705	0	1,468	97	7	0	0	0	0
Throop	3,976	0	0	8	1	0	0	0	0
Venice	0	0	0	0	0	0	0	0	0
County Total	471,982	0	2,267	279	20	0	0	0	0
Chautauqua									
Arkwright	59,992	0	324	102	20	0	0	0	0
Busti	134,226	17,222	1,110	125	21	584	24	0	0
Carroll	66,027	0	18	71	4	2	3	0	0

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Chautauqua									
Charlotte	48,550	46	265	122	16	1	1	0	0
Chautauqua	344,268	0	1,073	321	9	0	0	0	0
Cherry Creek	84,035	0	412	110	15	0	0	0	0
Clymer	77,308	816	1,723	113	13	2	3	0	0
Dunkirk	52,627	0	236	38	5	0	0	0	0
Dunkirk City	3,485	0	0	5	2	0	0	0	0
Ellery	55,451	531	524	67	71	8	10	0	0
Ellicott	109,014	1	94	77	1	1	0	0	0
Ellington	166,086	0	49	164	15	0	0	0	0
French Creek	14,104	0	223	57	8	0	0	0	0
Gerry	132,978	1,324	658	138	29	12	8	0	0
Hanover	83,572	0	582	131	22	0	0	0	0
Harmony	116,743	0	1,720	111	11	0	0	0	0
Jamestown	2,247	0	0	4	0	0	0	0	0
Kiantone	196,950	0	91	86	2	0	0	0	0
Mina	54,529	0	592	74	3	0	0	0	0
North Harmony	148,180	2,261	1,410	135	30	12	5	0	0
Poland	193,814	0	187	156	8	2	0	0	0
Pomfret	135,955	0	592	167	19	0	0	0	0
Portland	172,423	0	117	151	3	0	0	0	0
Ripley	154,483	0	700	179	5	0	0	0	0
Sheridan	99,039	0	183	94	12	0	0	0	0
Sherman	86,201	0	1,137	87	6	1	0	0	0
Stockton	114,423	0	475	121	6	0	0	0	0
Villanova	49,495	0	39	84	16	0	0	0	0
Westfield	244,064	0	655	255	12	0	0	0	0
County Total	3,200,269	22,201	15,189	3,345	384	625	54	0	0
Chemung									
Baldwin	0	0	428	0	1	0	0	0	0
Big Flats	257,466	0	501	4	0	0	0	0	0
Catlin	145,362	0	395	4	5	0	0	0	0
Elmira City	3,785	0	0	1	0	0	0	0	0
Erin	0	0	80	0	7	0	0	0	0
Horseheads	0	0	0	0	2	0	0	0	0
Southport	301,051	0	13,593	5	0	0	0	0	0

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Chemung									
Van Etten	22,724	0	280	4	12	0	0	0	0
Veteran	0	0	0	0	7	0	0	0	0
County Total	730,388	0	15,277	18	34	0	0	0	0
Chenango									
Coventry	0	0	0	0	1	0	0	0	0
McDonough	0	0	0	0	1	0	0	0	0
Oxford	0	0	0	0	2	0	0	0	0
Plymouth	129,528	0	686	6	0	0	0	0	0
Preston	76,517	0	0	3	2	0	0	0	0
Smyrna	431,963	0	112	34	2	0	0	0	0
County Total	638,008	0	798	43	8	0	0	0	0
Cortland									
Scott	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	1	0	0	0	0
Erie									
Alden	35,800	0	147	54	12	0	0	0	0
Aurora	16,393	0	1	28	0	0	0	0	0
Boston	19,388	0	99	40	8	0	0	0	0
Brant	73,654	0	466	102	12	0	0	0	0
Buffalo	182	0	0	1	0	0	0	0	0
Cheektowaga	3,837	0	0	12	0	0	0	0	0
Clarence	185	0	0	5	2	0	0	0	0
Colden	2,190	0	0	10	2	0	0	0	0
Collins	71,188	0	40	82	7	0	1	0	0
Concord	52,802	0	93	77	10	0	0	0	0
Eden	66,901	0	521	155	12	0	0	0	0
Elma	54,257	0	64	56	3	0	0	0	0
Evans	71,776	0	364	90	8	0	0	0	0
Hamburg	27,609	0	13	37	12	0	0	0	0
Holland	2	0	0	2	1	0	0	0	0
Lackawanna	1,292	0	0	3	0	0	0	0	0
Lancaster	28,411	0	2	24	3	0	0	0	0
Marilla	25,795	0	3	33	4	0	0	0	0
Newstead	77,201	0	254	70	5	1	0	0	0
North Collins	81,813	0	788	142	16	0	0	0	0
Orchard Park	21,304	48	0	29	3	1	0	0	0

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Erie									
Sardinia	109,741	0	1,465	20	1	0	0	0	0
Tonawanda	0	0	0	0	5	0	0	0	0
Tonawanda City	0	0	0	0	1	0	0	0	0
Wales	11,035	0	0	50	4	0	0	0	0
West Seneca	9,260	0	0	2	0	0	0	0	0
County Total	862,016	48	4,320	1,124	131	2	1	0	0
Genesee									
Alabama	16,059	0	281	21	0	0	0	0	0
Alexander	31,334	0	555	42	0	0	0	0	0
Batavia	28,606	0	693	34	0	0	0	0	0
Bergen	1	0	0	1	0	0	0	0	0
Bethany	6,245	0	1,200	19	9	0	0	0	0
Darien	211,069	0	1,316	196	20	0	0	0	0
Elba	752	0	1	3	0	0	0	0	0
Le Roy	25,723	0	59	10	2	0	0	0	0
Oakfield	11,387	0	243	13	0	0	0	0	0
Pavilion	5,808	0	53	18	2	0	0	0	0
Pembroke	138,047	0	1,201	122	0	0	0	0	0
Stafford	0	0	0	0	1	0	0	0	0
County Total	475,031	0	5,602	479	34	0	0	0	0
Herkimer									
Stark	0	0	0	0	0	0	0	0	0
County Total	0	0	0	0	0	0	0	0	0
Livingston									
Avon	8,511	0	24	14	4	0	0	0	0
Caledonia	21,737	0	200	44	5	0	0	0	0
Groveland	1	0	0	1	1	0	0	0	0
Leicester	15,921	0	0	21	1	0	0	0	0
Nunda	227	0	0	1	0	0	0	0	0
Ossian	0	0	0	0	1	0	0	0	0
Portage	3	0	0	2	0	0	0	0	0
Sparta	1	0	0	1	0	0	0	0	0
West Sparta	205	0	2	6	1	0	0	0	0
York	16,068	0	171	44	9	0	0	0	0
County Total	62,674	0	397	134	22	0	0	0	0
Madison									

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Madison									
Brookfield	1	0	0	1	0	0	0	0	0
Eaton	1,456	0	0	4	0	0	0	0	0
Lebanon	290,635	0	0	47	5	0	0	0	0
County Total	292,092	0	0	52	5	0	0	0	0
Niagara									
Lewiston	1	0	0	1	0	0	0	0	0
County Total	1	0	0	1	0	0	0	0	0
Oneida									
Sangerfield	2	0	0	2	0	0	0	0	0
County Total	2	0	0	2	0	0	0	0	0
Onondaga									
Marcellus	0	0	0	0	7	0	0	0	0
Spafford	0	0	0	0	1	0	0	0	0
Tully	0	0	0	0	0	0	0	0	0
County Total	0	0	0	0	8	0	0	0	0
Ontario									
Bristol	2	0	0	2	0	0	0	0	0
Canandaigua	48	0	0	2	0	0	0	0	0
East Bloomfield	30,102	0	0	16	1	0	0	0	0
Geneva	176	0	0	1	2	0	0	0	0
Hopewell	0	0	0	0	0	0	0	0	0
Phelps	0	0	0	0	1	0	0	0	0
Richmond	1	0	0	1	0	0	0	0	0
Seneca	0	0	0	0	1	0	0	0	0
West Bloomfield	1	0	0	1	0	0	0	0	0
County Total	30,330	0	0	23	5	0	0	0	0
Oswego									
Richland	2	0	0	2	1	0	0	0	0
Schroepfel	0	0	0	0	1	0	0	0	0
West Monroe	1	0	0	1	0	0	0	0	0
Williamstown	0	0	0	0	1	0	0	0	0
County Total	3	0	0	3	3	0	0	0	0
Schuyler									
Dix	0	0	0	0	6	0	0	0	0
Hector	0	0	0	0	2	0	0	0	0
Orange	0	0	0	0	5	0	0	0	0

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Schuyler									
Tyrone	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	14	0	0	0	0
Seneca									
Fayette	440,108	0	319	153	1	0	0	0	0
Junius	5,965	0	0	5	0	0	0	0	0
Seneca Falls	21,924	0	0	8	0	0	0	0	0
Tyre	2,975	0	0	3	0	0	0	0	0
Varick	127,740	0	54	51	0	0	0	0	0
County Total	598,712	0	373	220	1	0	0	0	0
Statewide									
UNK	0	0	0	0	0	0	5	0	0
County Total	0	0	0	0	0	0	5	0	0
Steuben									
Avoca	686	0	0	2	0	0	0	0	0
Bath	0	0	0	0	1	0	0	0	0
Bradford	0	0	0	0	4	0	0	0	0
Campbell	2	0	0	1	3	0	0	0	0
Caton	426,674	0	2,001	4	3	0	0	0	0
Cohocton	0	0	0	0	4	0	0	0	0
Corning	1,372,579	0	10,308	9	3	0	0	0	0
Greenwood	4	85	0	2	0	4	0	0	0
Hartsville	2	62	33	1	0	1	0	0	0
Hornby	87,196	0	387	4	1	0	0	0	0
Howard	0	0	0	0	1	0	0	0	0
Prattsburg	0	0	0	0	6	0	0	0	0
Pulteney	2,869	0	0	2	7	0	0	0	0
Troupsburg	4,821	0	0	2	1	0	0	0	0
Urbana	0	0	0	0	1	0	0	0	0
West Union	54,114	12,130	8,352	1	0	193	7	12	0
Woodhull	1,160	0	0	1	0	0	0	0	0
County Total	1,950,107	12,277	21,081	29	35	198	7	12	0
Tioga									
Barton	0	0	0	0	1	0	0	0	0
Nichols	0	0	0	0	1	0	0	0	0
Owego	0	0	0	0	2	0	0	0	0
Spencer	0	0	0	0	1	0	0	0	0

Oil and Gas Production by Town in Each County

Town	Gas (mcf)	Oil (bbl)	Water (bbl)	Active Gas Wells	Inactive Gas	Active Oil Wells	Inactive Oil Wells	Active Water Injection Wells	Inactive Water Injection Wells
Tioga									
County Total	0	0	0	0	5	0	0	0	0
Wayne									
Butler	195	0	0	2	0	0	0	0	0
Galen	3,844	0	0	2	0	0	0	0	0
County Total	4,039	0	0	4	0	0	0	0	0
Wyoming									
Arcade	20,017	526	100	31	6	1	0	0	0
Attica	718	0	0	1	2	0	0	0	0
Bennington	64,588	0	1,162	87	3	0	0	0	0
Castile	3,477	0	0	4	0	0	0	0	0
Covington	28,804	0	51	38	1	0	0	0	0
Eagle	0	0	0	0	0	0	0	0	0
Gainesville	33	0	0	1	0	0	0	0	0
Genesee Falls	1	0	0	1	0	0	0	0	0
Java	1,177	0	12	9	0	0	0	0	0
Middlebury	1,092	0	61	6	3	0	0	0	0
Perry	24,551	0	50	45	2	0	0	0	0
Pike	1	0	0	1	0	0	0	0	0
Sheldon	25,201	0	497	40	0	0	0	0	0
Warsaw	1,449	0	0	4	1	0	0	0	0
County Total	171,109	526	1,933	268	18	1	0	0	0
Yates									
Barrington	4,150	0	0	2	0	0	0	0	0
Benton	792	0	0	8	1	0	0	0	0
Jerusalem	0	0	0	0	1	0	0	0	0
Middlesex	1	0	0	1	0	0	0	0	0
Milo	3,205	0	0	2	0	0	0	0	0
Potter	1	0	0	1	1	0	0	0	0
Starkey	196	0	0	1	0	0	0	0	0
Torrey	306	0	0	2	0	0	0	0	0
County Total	8,651	0	0	17	3	0	0	0	0
State Total	10,579,039	199,054	163,507	6,729	811	3,411	1,808	31	311

Drilling Permits Issued During 2018

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	Pennhills Resources, LLC	31009284170000	Rumsey 286	01/19/2018	05/18/2018
Allegany	Pennhills Resources, LLC	31009284180000	Rumsey 283	01/19/2018	05/07/2018
Allegany	Pennhills Resources, LLC	31009284190000	Rumsey 284	01/19/2018	05/09/2018
Allegany	Pennhills Resources, LLC	31009284200000	Rumsey 285	01/19/2018	05/14/2018
Allegany	Dimes Energy GP Inc.	31009284270000	DW-27	02/13/2018	05/07/2018
Allegany	Dimes Energy GP Inc.	31009284280000	DW-28	02/13/2018	05/10/2018
Allegany	Dimes Energy GP Inc.	31009284290000	DW-29	02/27/2018	05/02/2018
Allegany	Dimes Energy GP Inc.	31009284300000	DW-30	02/27/2018	05/18/2018
Allegany	Burlingame Oil, LLC	31009284350000	Burlingame 11	04/17/2018	05/17/2018
Allegany	Burlingame Oil, LLC	31009284360000	Burlingame 12	04/17/2018	04/30/2018
Allegany	Dimes Energy GP Inc.	31009284490000	DC-1	07/20/2018	10/31/2018
Allegany	Dimes Energy GP Inc.	31009284500000	DC-2	07/20/2018	11/28/2018
Allegany	Dimes Energy GP Inc.	31009284510000	DC-3	07/20/2018	11/09/2018
Allegany	Dimes Energy GP Inc.	31009284520000	DC-4	07/20/2018	11/13/2018
Allegany	Dimes Energy GP Inc.	31009284530000	DC-5	07/20/2018	11/19/2018
Allegany	Dimes Energy GP Inc.	31009284540000	DC-6	07/20/2018	10/26/2018
Allegany	Pennhills Resources, LLC	31009284550000	Rumsey 287	08/07/2018	
Allegany	Dimes Energy GP Inc.	31009284560000	DC-7	09/05/2018	10/22/2018
Allegany	Dimes Energy GP Inc.	31009284570000	DC-8	09/05/2018	09/13/2018
Allegany	Dimes Energy GP Inc.	31009284580000	DC-9	09/05/2018	09/10/2018
Allegany	Dimes Energy GP Inc.	31009284590000	DC-10	09/05/2018	09/07/2018
Allegany	Dimes Energy GP Inc.	31009284600000	DC-11	09/05/2018	01/14/2019
Allegany	Dimes Energy GP Inc.	31009284610000	DC-12	09/05/2018	09/19/2018
Allegany	BFL Minerals, LLC	31009284620000	C-23	09/05/2018	09/19/2018
Allegany	Dimes Energy GP Inc.	31009284630000	DC-13	09/17/2018	10/11/2018
Allegany	Dimes Energy GP Inc.	31009284640000	DC-14	09/17/2018	10/09/2018
Allegany	Dimes Energy GP Inc.	31009284650000	DC-15	09/17/2018	10/03/2018
Allegany	Dimes Energy GP Inc.	31009284660000	DC-16	09/17/2018	10/19/2018
Allegany	Dimes Energy GP Inc.	31009284670000	DC-17	09/17/2018	10/16/2018
Allegany	Dimes Energy GP Inc.	31009284680000	DC-18	09/17/2018	10/01/2018
Allegany	Dimes Energy GP Inc.	31009284690000	DC-19	09/17/2018	09/24/2018
Allegany	Dimes Energy GP Inc.	31009284700000	DC-20	09/17/2018	09/25/2018
Allegany	Dimes Energy GP Inc.	31009284730000	DC-21	11/20/2018	12/04/2018
Allegany	Dimes Energy GP Inc.	31009284740000	DC-22	11/20/2018	12/07/2018
Allegany	Dimes Energy GP Inc.	31009284750000	DC-23	11/20/2018	12/11/2018
Allegany	Dimes Energy GP Inc.	31009284760000	DC-24	11/20/2018	01/17/2019
Allegany	Dimes Energy GP Inc.	31009284770000	DC-25	11/20/2018	01/23/2019
Allegany	Dimes Energy GP Inc.	31009284780000	DC-26	11/20/2018	01/25/2019
Allegany	Dimes Energy GP Inc.	31009284790000	DC-27	11/20/2018	02/06/2019
Allegany	Dimes Energy GP Inc.	31009284800000	DC-28	11/20/2018	01/29/2019
Allegany	Dimes Energy GP Inc.	31009284810000	DC-29	11/20/2018	02/02/2019

Drilling Permits Issued During 2018

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Carrollton	Drillers LLC	31009283690001	DWEDGE-25	12/28/2018	02/01/2019
Carrollton	Vertical Energy, Inc.	31009284380000	Odell 1	06/25/2018	09/14/2018
Carrollton	Vertical Energy, Inc.	31009284390000	Odell 3	06/25/2018	09/11/2018
Carrollton	Vertical Energy, Inc.	31009284400000	Odell 4	06/25/2018	09/07/2018
Carrollton	Vertical Energy, Inc.	31009284410000	Odell 5	06/25/2018	08/31/2018
Carrollton	Vertical Energy, Inc.	31009284420000	Odell 6	06/25/2018	08/29/2018
Carrollton	Vertical Energy, Inc.	31009284440000	Odell 7	06/25/2018	08/20/2018
Carrollton	Vertical Energy, Inc.	31009284450000	Odell 8	06/25/2018	08/15/2018
Carrollton	Vertical Energy, Inc.	31009284460000	Odell 9	06/25/2018	08/02/2018
Carrollton	Vertical Energy, Inc.	31009284470000	Odell 10	06/25/2018	08/06/2018
Carrollton	Vertical Energy, Inc.	31009284480000	Odell 11	06/25/2018	08/20/2018
Carrollton	McCracken Oil & Gas, LLC	31009300490001	Bovaird #26	01/29/2018	05/23/2018
Carrollton	McCracken Oil & Gas, LLC	31009300500001	Bovaird #33	01/29/2018	05/30/2018
Carrollton	McCracken Oil & Gas, LLC	31009300510001	Lot 39 #6	01/29/2018	06/11/2018
Carrollton	McCracken Oil & Gas, LLC	31009300520001	Lot 39 #7	01/29/2018	06/07/2018
Carrollton	McCracken Oil & Gas, LLC	31009300530001	Lot 39 #12	01/29/2018	06/05/2018
Carrollton	McCracken Oil & Gas, LLC	31009300540001	Williams #7	06/14/2018	06/18/2018
Carrollton	McCracken Oil & Gas, LLC	31009300550001	Cline Torrey #9	01/29/2018	06/14/2018
Olean	McKellpee Energy Corp.	31009284370000	K 1	05/23/2018	06/04/2018
Olean	Copper Ridge Oil, Inc.	31009284430000	Schultz S2	06/14/2018	07/20/2018
Olean	Copper Ridge Oil, Inc.	31009284710000	Schultz S1	09/14/2018	09/26/2018
Olean	Copper Ridge Oil, Inc.	31009284720000	Kolata K26	10/29/2018	11/14/2018
Portville	West River Energy LLC	31009284260000	Andrews 7	04/30/2018	10/24/2018
Chautauqua					
Busti	Johnson, Mark & Troy	31013284210000	Pangborn 28	01/17/2018	05/28/2018
Busti	Johnson, Mark & Troy	31013284220000	Pangborn 31	01/17/2018	05/21/2018
Busti	Johnson, Mark & Troy	31013284230000	Evinczik 9	01/17/2018	04/03/2018
Busti	Johnson, Mark & Troy	31013284240000	Evinczik 10	01/17/2018	05/07/2018
Busti	Johnson, Mark & Troy	31013284250000	Evinczik 16	01/17/2018	05/10/2018
Schuyler					
Reading	US Salt, LLC	31097300040000	US Salt 66	10/16/2018	12/07/2018
Reading	US Salt, LLC	31097300050000	US Salt 67	10/16/2018	12/08/2018
Tompkins					
Lansing	Cargill, Incorporated Deicing Technology Busin	31109300000000	Power Feed Borehole-20	02/21/2018	03/20/2018
Lansing	Cargill, Incorporated Deicing Technology Busin	31109300010000	Power Feed Borehole-19	08/27/2018	11/30/2018
Wyoming					
Gainesville	Morton Salt, Inc.	31121284310000	Morton Salt, Inc. W-1	04/04/2018	
Gainesville	Morton Salt, Inc.	31121284310001	Morton Salt, Inc. W-1	10/24/2018	10/24/2018
Gainesville	Morton Salt, Inc.	31121284320000	Morton Salt, Inc. W-2	04/04/2018	
Gainesville	Morton Salt, Inc.	31121284320001	Morton Salt, Inc. W-2	10/24/2018	12/09/2018
Gainesville	Morton Salt, Inc.	31121284330000	Morton Salt, Inc. W-3	04/04/2018	

Drilling Permits Issued During 2018

Town	Company	API Number	Well Name	Issue Date	Spud Date
Wyoming					
Gainesville	Morton Salt, Inc.	31121284330001	Morton Salt, Inc. W-3	10/24/2018	11/06/2018
Gainesville	Morton Salt, Inc.	31121284340000	Morton Salt, Inc. W-4	04/04/2018	
Gainesville	Morton Salt, Inc.	31121284340001	Morton Salt, Inc. W-4	10/24/2018	11/21/2018
Middlebury	Texas Brine New York, LLC	31121300220000	B/W 117	03/27/2018	06/13/2018
Middlebury	Texas Brine New York, LLC	31121300220100	B/W 117-1H	09/28/2018	10/22/2018
Middlebury	Texas Brine New York, LLC	31121300220200	B/W 117-2H	09/28/2018	10/22/2018
Middlebury	Texas Brine New York, LLC	31121300230000	B/W 128	03/27/2018	06/25/2018
Middlebury	Texas Brine New York, LLC	31121300240000	B/W 129	03/27/2018	07/17/2018
Middlebury	Texas Brine New York, LLC	31121300250000	B/W 147	03/27/2018	
Middlebury	Texas Brine New York, LLC	31121300260000	B/W 148	03/27/2018	08/13/2018
Middlebury	Texas Brine New York, LLC	31121300270000	B/W 149	03/27/2018	07/30/2018
Middlebury	Texas Brine New York, LLC	31121300280000	B/W 147A	07/13/2018	08/27/2018
Middlebury	Texas Brine New York, LLC	31121300280100	B/W 147A-1H	09/28/2018	10/11/2018

Drilled Wildcats and Field Extensions

Town	Company	API Number	Well Name	TVD	Total Depth Date	Orig Well Type	Field	Objective Formation
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There were no gas or oil wildcat/extension wells completed in 2018.

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Albany							
Colonie	Dolomite Products Company	MINE	40506	Cordell Road Sand Pit	12/20/2018	Renewal	8.2
Guilderland	Helderberg Excavating & Tru	MINE	40920	Helderberg Mine	3/21/2018	New	5.0
Broome							
Chenango	Alfred Gorick Co Inc	MINE	70498	Route 12 Mine	3/4/2018	Renewal	23.9
Conklin	Casselbury, Jason dba Cass	AUTH	71043	Fall Brook Quarry #1	5/9/2018	New	1.0
Conklin	Decker, Lee	MINE	70952	Decker Bluestone Quarry	6/25/2018	Modification	14.9
Conklin	Decker, Lee	MINE	70952	Decker Bluestone Quarry	4/25/2018	Modification	14.9
Conklin	Roberts, Joseph	MINE	70951	State Line Quarry	8/31/2018	Renewal	23.4
Lisle	F S Lopke Contracting Inc	MINE	70441	Johnson Gravel Mine	11/4/2018	Renewal	8.6
Lisle	Fuller's Excavation, LLC	MINE	71023	Glezen-Fuller-Owen Hill	8/10/2018	Modification	15.4
Sanford	Bishop, David	AUTH	71051	Oquaga Realty Quarry	4/24/2018	New	1.0
Sanford	Bishop, David	AUTH	71055	Albrecht Quarry	7/19/2018	New	1.0
Sanford	Decker, Allen	AUTH	71055	Albrecht Quarry	9/20/2018	Modification	1.0
Sanford	Devonian Stone Of New York	MINE	70830	Amendola Bluestone Quarry	10/19/2018	Modification	26.5
Sanford	Devonian Stone Of New York	MINE	71000	Dew Dec Farms Quarry	11/26/2018	Renewal	7.7
Sanford	Rucole Stone LLC	MINE	70909	Struble Quarry #1	10/25/2018	Renewal	5.0
Sanford	Shaver Hill Heights LLC	AUTH	71056	O'Brien Rd Quarry	11/15/2018	New	1.0
Windsor	Alfred Gorick Co Inc	MINE	70802	Masciarelli Pit - Trim Street	2/14/2018	Modification	16.7
Windsor	Bishop, Jim	MINE	71013	Brink Quarry	8/27/2018	Modification	2.5
Windsor	Burnett, Todd	MINE	70902	Fern Gully	3/23/2018	Renewal	6.0
Windsor	Coleman, Robert A	MINE	70815	Hawkins Pond Quarry	2/15/2018	Modification	13.2
Windsor	Kohlbach, Norm	MINE	71003	Norm's Quarry	12/7/2018	Renewal	5.0
Windsor	O'Dell, Bill	AUTH	71047	Blewett Quarry #2	5/8/2018	New	4.5
Windsor	Sanford Stone LLC	MINE	70883	Cascade Valley Quarry	8/31/2018	Renewal	11.1
Windsor	Springsteen, Mark	MINE	70346	Mark Springsteen Mine - Fordway R	9/25/2018	Modification	19.3
Windsor	Windsor, Town of - Highway	MINE	70117	Town Of Windsor Gravel Pit	7/29/2018	Renewal	13.4
Cattaraugus							
Dayton	Mecca Farms Partnership	MINE	90747	Wolf Road Pit	10/12/2018	Renewal	5.6
Farmersville	Perkins, Roderick L	MINE	90134	Perkins Mine	8/28/2018	Renewal	8.2
Freedom	D & H Materials Inc	MINE	91029	Jones Road Brown Pit	7/17/2018	Renewal	8.7
Freedom	D & H Materials Inc	MINE	91029	Jones Road Brown Pit	11/29/2018	Modification	8.7
Freedom	Gernatt Asphalt Products Inc	MINE	90465	Borer Property	4/10/2018	Renewal	163.4
Freedom	Redland Quarries NY Inc	MINE	90028	Freedom Pit	10/30/2018	Modification	241.4

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Cattaraugus							
Freedom	Redland Quarries NY Inc	MINE	90028	Freedom Pit	4/18/2018	Modification	241.4
Great Valley	Great Valley, Town of	MINE	90091	Great Valley Gravel Pit	12/10/2018	Renewal	6.5
Great Valley	Perkins LLC	MINE	90682	Perkins Great Valley Pit	11/19/2018	Modification	10.5
Leon	Country Side Sand & Gravel I	MINE	90566	Garvey Gravel Pit	11/29/2018	Renewal	9.0
Machias	Boehmer Gravel Products	MINE	90178	Machias Gravel Pit	11/29/2018	Renewal	32.4
Machias	Cattaraugus County DPW	MINE	90898	Machias Deposit	9/4/2018	Renewal	6.7
Machias	New Enterprise Stone & Lime	MINE	90256	Machias Plant	8/8/2018	Renewal	105.0
Persia	Gernatt Asphalt Products Inc	MINE	90061	Point Peter Road Pit	6/1/2018	Modification	32.7
Persia	Gernatt Asphalt Products Inc	MINE	90382	Gowanda Deposit	4/23/2018	Renewal	13.3
Portville	I A Construction Corp	MINE	90120	Portville Sand And Gravel	8/17/2018	Modification	184.0
Cayuga							
Locke	Cemento LLC	MINE	70738	Mine 2 - NYS Route 38	9/27/2018	Renewal	29.1
Sterling	Circle T Sterling LLC	MINE	71015	Martville Mine	11/30/2018	Modification	5.5
Chautauqua							
Carroll	H H Rauh Paving Inc	MINE	90176	Bragg Road Mine	8/2/2018	New	5.5
Ellicott	Stark Gravel Products LLC	MINE	91064	Strunk Road Mine	3/8/2018	New	10.0
Ellington	Schulz, Jeffrey A / Green, Jas	MINE	90399	Big Dog Gravel Products	11/26/2018	Modification	16.1
Mina	R Chadwick Land Holdings L	MINE	91057	Chadwick Gravel Mine	4/2/2018	New	4.4
North Harmony	Jamestown Macadam Inc	MINE	90969	Opalecky Gravel Pit	8/27/2018	Modification	11.0
Chemung							
Big Flats	Vanderhoff, Larry	MINE	80662	Big Flats Pit	6/6/2018	Renewal	13.9
Erin	Chemung County DPW	MINE	80357	Chemung Co, Farm	6/26/2018	Renewal	8.6
Chenango							
Afton	Burton F Clark Inc	MINE	70739	NYS Route 7 Mine	9/17/2018	Renewal	10.0
Afton	Syracuse Sand & Gravel LLC	MINE	70906	Afton Mine	11/9/2018	Renewal	16.3
Afton	Tompkins, Town of	MINE	70700	Tompkins Gravel Bank - NYS Route	1/29/2018	Renewal	7.7
Greene	Hanson Aggregates New Yor	MINE	70019	Brisben Bank #1 & #2	8/15/2018	Renewal	67.0
Guilford	E & R Pope's Excavating LLC	MINE	70026	NYS Route 8 Pit	8/15/2018	Modification	24.0
North Norwich	Burrell's Excavating Inc	MINE	70820	KMC II Gravel Mine	6/15/2018	Renewal	41.5
Otselic	NYS DEC - Div Of Lands & F	MINE	71054	Muller Hill State Forest Shale Pit	6/15/2018	New	1.2
Smithville	Barnes, Caleb	MINE	71052	Old Handsome Bluestone Quarry II	6/29/2018	New	8.0
Smyrna	Nelson, Dale	MINE	70936	Nelson Gravel Mine	9/4/2018	Renewal	3.9

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Clinton							
Altona	Deyo, Todd E	MINE	50948	Deyo Mine-Altona	7/10/2018	Renewal	32.5
Ausable	Ausable, Town of	MINE	50945	Dry Bridge Road Pit	2/20/2018	Renewal	4.5
Ausable	Deyo, Todd E	MINE	51054	Dry Bridge Road Sand Mine	4/26/2018	Modification	10.0
Ausable	Jay, Town of	MINE	50299	Harkness Pit	1/27/2018	Renewal	4.9
Ausable	Jay, Town of	MINE	50299	Harkness Pit	6/25/2018	Modification	4.9
Ausable	Miller, Gary II	MINE	51042	Miller Sand Pit	6/3/2018	Renewal	3.7
Champlain	Beeman, Roswell	MINE	51024	Beeman's Clay Pit	8/8/2018	Modification	5.0
Champlain	R Deso Inc	MINE	50759	Prospect Hill Quarry	2/14/2018	Renewal	9.7
Champlain	Upstone Materials Inc	MINE	51004	Bedard Mine	6/20/2018	Renewal	5.0
Chazy	Jointa Lime Company	MINE	50389	Macadam Road Gravel Pit	6/21/2018	Modification	24.2
Chazy	Lake City Gravel Inc	MINE	50389	Macadam Road Gravel Pit	1/29/2018	Renewal	24.2
Mooers	Chazy, Town of	MINE	50223	Big Hill Road Pit	7/2/2018	Modification	11.5
Mooers	Lafave, Anthony B and Kimbe	MINE	51068	Hulbert Road Mine	3/22/2018	New	1.3
Mooers	Upstone Materials Inc	MINE	50798	Mooers Stone Products Quarry #1	1/17/2018	Modification	30.0
Peru	Deyo, Todd E	MINE	50830	L & R Landscaping Gravel Pit	10/30/2018	Renewal	42.5
Plattsburgh	Morrisonville Construction Inc	MINE	50444	Morrisonville Construction Pit	7/17/2018	Renewal	16.0
Plattsburgh	Plattsburgh, Town of	MINE	50302	Town of Plattsburgh Sand Pit	4/19/2018	Renewal	22.8
Plattsburgh	Upstone Materials Inc	MINE	50062	Plattsburgh Quarry	8/9/2018	Renewal	137.0
Plattsburgh	Upstone Materials Inc	MINE	50452	Gratto Pit	8/8/2018	Renewal	45.3
Saranac	Saranac, Town of	MINE	50934	Nashville Road Pit	2/16/2018	Modification	8.1
Schuyler Falls	New England Waste Services	MINE	50306	Adcock Pit	11/20/2018	Renewal	47.0
Schuyler Falls	Upstone Materials Inc	MINE	50026	Morrisonville Pit	6/13/2018	Renewal	119.0
Schuyler Falls	Way, Harold L	MINE	50376	Rock Pit	5/7/2018	Renewal	17.2
Columbia							
Ancram	Washed Aggregate Resource	MINE	40466	Rte 22 Pit	5/24/2018	Renewal	4.5
Claverack	Cranesville Aggregate Comp	MINE	40237	Philmont Site	9/14/2018	Renewal	104.0
Claverack	Wright, Samuel III	MINE	40673	Co Rte 11 Pit	12/27/2018	Modification	8.7
Gallatin	Maple Shade Farm LLC	MINE	40544	Vaill Mine	11/19/2018	Modification	20.6
New Lebanon	New Lebanon, Town of	MINE	40717	Sherman Pit	6/7/2018	Renewal	13.3
Cortland							
Cuyler	Cuyler, Town of	MINE	70832	Cuyler - West Keeney Road Pit	3/26/2018	Renewal	9.0
Truxton	Suit-Kote Corp	MINE	70575	Truxton Mine - NYS Route 13	4/28/2018	Renewal	5.0
Willet	T & C Mobile Home & Constr	MINE	70590	Donnelly's Communities -D.C. Vi (Wi	1/23/2018	Renewal	24.0

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Cortland							
Willet	T & C Mobile Home & Constr	MINE	71044	Doty Gravel Mine	9/5/2018	New	9.6
Delaware							
Deposit	Brainard, David L	MINE	40871	Brainard Bluestone Mine	12/11/2018	Modification	25.5
Deposit	Burton F Clark Inc	MINE	40545	Deposit Pit	3/26/2018	Modification	17.6
Deposit	GK Flagstone Inc	MINE	40941	GK Flagstone Bluestone Quarry	2/28/2018	New	10.0
Deposit	GK Flagstone Inc	MINE	40941	GK Flagstone Bluestone Quarry	3/14/2018	Modification	10.0
Deposit	Sanford Stone LLC	MINE	40864	Sohonyay Quarry old Schaefer Expl	6/13/2018	Modification	2.3
Deposit	Timberland Resources LLC	AUTH	40943	Crimi Quarry	8/23/2018	Renewal	1.0
Hamden	Burton F Clark Inc	MINE	40749	Ploutz Gravel Mine	9/24/2018	Modification	16.8
Hancock	Johnston & Rhodes Blueston	MINE	40724	Molderhauer Quarry	7/17/2018	Renewal	16.4
Hancock	Johnston & Rhodes Blueston	MINE	40756	Mcbride / Yarrish Quarry	9/26/2018	Modification	3.8
Hancock	Tompkins Bluestone Co Inc	MINE	40816	Franklin Square Hunting Club Quarr	8/14/2018	Modification	4.1
Kortright	Burton F Clark Inc	MINE	40386	Clark Pit	2/6/2018	Renewal	36.0
Masonville	Ronald Fletcher	AUTH	40942	Fletcher Bluestone Authorization	3/18/2018	Renewal	1.0
Stamford	Burton F Clark Inc	MINE	40850	Bloomville Mine	7/24/2018	Renewal	7.0
Stamford	Lafever Excavating Inc	MINE	40712	South Kortright/Roses Brook Pit	7/13/2018	Renewal	10.9
Tompkins	Sonny & Sons Stone Co	MINE	40901	Lee Moat Quarry	8/6/2018	Modification	5.9
Walton	Logs Unlimited LLC	MINE	40779	Walton #1 Quarry	7/17/2018	Modification	19.3
Dutchess							
Amenia	Ridgecrest Farms Inc	MINE	30668	Ridgecrest Farms Mine	9/12/2018	Renewal	5.8
Beekman	Bonavenia Enterprises LLC	MINE	30139	Clapp Hill Gravel Bank	8/20/2018	Renewal	41.0
Dover	Palumbo Sand & Gravel Co. I	MINE	30100	Sherman Hill Rd Site	6/22/2018	Renewal	80.5
Dover	R & J Materials, LLC	MINE	30565	Dover Furnace Rd. Pit	3/26/2018	Renewal	33.0
Dover	Vieira Mining Corporation	MINE	30558	Dover Mine	2/13/2018	Renewal	6.8
East Fishkill	Shenandoah Farm LLC	MINE	30647	Shenandoah Farm	8/28/2018	Modification	10.0
Pleasant Valley	Peckham Materials Corp	MINE	30027	Pleasant Valley Quarry	2/14/2018	Modification	97.8
Poughkeepsie	Tilcon New York Inc	MINE	30011	Clinton Point Quarry	8/27/2018	Renewal	723.1
Erie							
Concord	D & H Materials Inc	MINE	90604	D & H Inc Concord	5/16/2018	Modification	3.8
Newstead	County Line Stone Co Inc	MINE	90093	Akron Quarry	7/5/2018	Renewal	367.0
Sardinia	Gernatt Asphalt Products Inc	MINE	90143	Route 39 Deposit	4/24/2018	Renewal	25.9
Essex							
Crown Point	Adirondack Site Development	MINE	50113	Adirondack Sand And Gravel Pit	7/3/2018	Renewal	14.8

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Essex							
Jay	Jay, Town of	MINE	50108	Straight Pit	7/27/2018	Renewal	13.7
Lewis	Morse, James R	MINE	50700	Morse Mine	7/16/2018	Renewal	12.7
Lewis	NYCO Minerals LLC	MINE	50111	Lewis Mine	9/10/2018	Modification	132.4
Lewis	NYCO Minerals LLC	MINE	50803	Oak Hill Mine Site	9/10/2018	Modification	149.3
Lewis	NYCO Minerals LLC	MINE	50803	Oak Hill Mine Site	10/30/2018	Modification	149.3
Lewis	Upstone Materials Inc	MINE	50056	Lewis Quarry	1/31/2018	Renewal	61.9
Lewis	Upstone Materials Inc	MINE	50639	Hale Hill Mine	9/11/2018	Renewal	13.5
Newcomb	Mitchell Stone Products LLC	MINE	51074	Mitchell Stone Tahawus Operation	5/3/2018	New	23.0
North Elba	Lake Placid, Village of	MINE	50448	Village Sand Pit	8/28/2018	Renewal	3.4
North Hudson	Caza, Bruce & Brenda	MINE	50859	Caza Mine	8/29/2018	Modification	5.3
North Hudson	Koller, Larry	MINE	50185	Koller Pit	4/18/2018	Renewal	15.7
North Hudson	Koller, Larry	MINE	50185	Koller Pit	7/31/2018	Modification	15.7
North Hudson	Mountain Forest Products Inc	MINE	51041	Mero Mine	1/25/2018	Renewal	10.0
Ticonderoga	Huestis Living Trust	MINE	50008	Upper Pit And Gibbs Pit	9/6/2018	Modification	93.0
Ticonderoga	Pat Armstrong Inc	MINE	50946	North Ti Sand & Gravel Mine	3/9/2018	Renewal	22.0
Ticonderoga	Pat Armstrong Inc	MINE	50946	North Ti Sand & Gravel Mine	7/2/2018	Modification	22.0
Westport	Westport, Town of	MINE	50614	Munson Pit	12/10/2018	Renewal	4.9
Willsboro	NYCO Minerals LLC	MINE	50003	Willsboro Mine - Underground	9/10/2018	Modification	10.5
Wilmington	Wilmington, Town of	MINE	50857	Town of Wilmington Mine	6/22/2018	Renewal	4.2
Franklin							
Bellmont	Adirondack Quarry Inc	MINE	50415	North Adirondack Quarry	1/28/2018	Renewal	11.0
Brandon	Upstone Materials Inc	MINE	50303	Malone Quarry	8/9/2018	Renewal	78.0
Chateaugay	Collins, Patrick W	MINE	50668	Collins Construction Pit	12/10/2018	Modification	11.3
Chateaugay	Wood, William and Hamilton	MINE	51035	Woods Sand & Gravel Mine	7/5/2018	Modification	4.9
Dickinson	Mayville Enterprises Inc	MINE	50849	Mayville Gravel Pit	10/3/2018	New	7.9
Malone	Jacobs Excavation Inc	MINE	51010	Crestline Sand and Gravel	9/13/2018	Renewal	5.0
Santa Clara	Bay Pond Condominium	MINE	50543	Stone Ledge Pit	10/2/2018	Renewal	3.0
Waverly	Waverly, Town of	MINE	50683	South River Road Pit	11/27/2018	Modification	5.3
Waverly	Waverly, Town of	MINE	50706	Dexter Road Pit	3/15/2018	Renewal	4.0
Westville	Stark, Judith A	MINE	50620	Stark's Gravel Pit	7/3/2018	Renewal	61.2
Westville	Stark, Judith A	MINE	50855	Stark's Clay Pit	4/8/2018	Renewal	25.8
Westville	Stark, Judith A	MINE	51001	Little Briggs Pit	2/20/2018	Renewal	14.3
Westville	Westville, Town of	MINE	50450	Westville Pit	10/12/2018	Renewal	9.0

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Fulton							
Ephratah	Ephratah, Town of	MINE	50022	Ephratah Mine	11/15/2018	Renewal	17.0
Johnstown	Fulmont Ready Mix Co	MINE	50019	Fulmont Ready Mix Sand	11/14/2018	Modification	65.0
Johnstown	R & R Farms LLC	MINE	51048	Maloney Road Pit	8/10/2018	Renewal	5.0
Johnstown	Tanner and Sons Inc C G	MINE	50371	Meco Gravel Pit	1/22/2018	Renewal	9.9
Genesee							
Alexander	K & R Day Trucking Inc	MINE	80010	WNYC Pit #2	6/27/2018	Renewal	15.8
Batavia	Hanson Aggregates New Yor	MINE	80095	St. John's Pit (Batavia S&G Mine)	2/7/2018	Renewal	121.4
Batavia	Pembroke Sand & Gravel Inc	MINE	80466	Gorecki Pit	12/24/2018	Renewal	8.0
Darien	Moore, Mark	MINE	80829	Landshapers	4/25/2018	Renewal	5.0
Le Roy	Hanson Aggregates New Yor	MINE	80073	Leroy Quarry	11/29/2018	Renewal	211.3
Stafford	Hanson Aggregates New Yor	MINE	80075	Stafford Quarry	3/1/2018	Renewal	207.4
Greene							
Coxsackie	Halsted Excavating Corp.	MINE	40744	Halsted Shale Mine	7/1/2018	Modification	9.5
Durham	Borwegen, Ralph	MINE	40862	Teator Mine	3/27/2018	Modification	5.9
Hunter	Craig Bates Trucking and Exc	MINE	40578	Craig Bates Trucking & Excavating	9/10/2018	Renewal	12.9
New Baltimore	R J Valente Gravel Inc	MINE	40168	New Baltimore Pit	6/15/2018	Renewal	18.7
Prattsville	Cobleskill Stone Products Inc	MINE	40447	Falke's Quarry	1/30/2018	Modification	79.0
Prattsville	Cobleskill Stone Products Inc	MINE	40447	Falke's Quarry	1/30/2018	Modification	79.0
Hamilton							
Arietta	C D Rhodes Construction Co	MINE	50035	Evergreen Pit	5/16/2018	Renewal	11.3
Lake Pleasant	Lake Pleasant, Town of	MINE	50080	Town of Lake Pleasant Pit	10/24/2018	Renewal	3.5
Wells	Upstone Materials Inc	MINE	50636	Wells Pit #3	3/26/2018	Renewal	32.9
Herkimer							
Norway	Clifford, Charles Jr	MINE	60097	Clifford Sand & Gravel Pit	12/3/2018	Renewal	8.9
Russia	Hanson Aggregates New Yor	MINE	60040	Gravesville S&G	10/11/2018	Renewal	105.3
Russia	Hanson Aggregates New Yor	MINE	60196	Bienick Pit	10/11/2018	Renewal	49.8
Jefferson							
Antwerp	Cranesville Block Co Inc	MINE	60115	Antwerp Mine	4/10/2018	Renewal	59.1
Champion	Rutland, Town of	MINE	60948	Eddy Road Mine	6/2/2018	Renewal	13.5
Clayton	Bach Plumbing & Heating Co	MINE	60864	Boulder Mine	12/7/2018	New	4.9
Ellisburg	Ellenburg, Town of	MINE	60753	Parsons Gravel	5/18/2018	Renewal	26.4
Ellisburg	R G King General Constructio	MINE	60318	King-Williams Sand Pit	4/2/2018	Renewal	12.0
Henderson	Tug Hill Construction Inc	MINE	60436	Big Stony Pit	2/14/2018	Renewal	4.6

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Jefferson							
Orleans	Johnson's Sand & Gravel Inc	MINE	60072	Flick Mine	1/24/2018	Modification	47.2
Pamelia	Hanson Aggregates New Yor	MINE	60038	Watertown Quarry	10/11/2018	Renewal	298.6
Rutland	Porter, Eric	MINE	60700	Porter Pit # 1	4/10/2018	Renewal	2.3
Lewis							
Croghan	Goldthrite Trucking LLC	MINE	61105	Mattis Pit	4/3/2018	Modification	4.9
Harrisburg	Harrisburg, Town of	MINE	60449	Woodbattle Pit	4/25/2018	Renewal	3.0
Lowville	MJL Crushing LLC	MINE	61069	Rte 26 North Lowville	2/12/2018	Renewal	25.9
Lyonsdale	Humphrey, Charles A Jr	MINE	60933	O'brien Mine	3/20/2018	Renewal	5.0
Livingston							
Avon	Oak Openings LLC	MINE	80857	Oak Openings Rd	5/16/2018	Modification	20.0
Avon	Oak Openings LLC	MINE	80857	Oak Openings Rd	4/26/2018	Modification	20.0
Caledonia	Puncher Development LLC	MINE	80863	Caledonia Pit-West Pit	6/14/2018	Modification	112.0
Caledonia	Valley Sand & Gravel Inc	MINE	80321	Avon Plant	6/8/2018	Modification	99.4
Leicester	Hull, Gerald	MINE	80132	Leicester Pit	6/20/2018	Modification	9.9
Ossian	Wilson Dairy & Sheep Farm	MINE	80454	Wilson Pit	5/7/2018	Modification	10.0
Ossian	Wilson Dairy & Sheep Farm	MINE	80454	Wilson Pit	7/23/2018	Modification	10.0
Madison							
Lebanon	Rasmussen Gravel Products	MINE	70914	Rivington Gravel Mine	12/17/2018	Renewal	4.5
Lincoln	Callanan Industries Inc	MINE	70017	Oxbow Quarry	9/27/2018	Modification	161.4
Lincoln	Callanan Industries Inc	MINE	70017	Oxbow Quarry	11/29/2018	Modification	161.4
Smithfield	Madison County Hwy Dept	MINE	70582	Dahlems's Gravel Bed - May Road	7/10/2018	Renewal	34.1
Stockbridge	Stockbridge Stone Products L	MINE	70864	Munnsville Mine	11/2/2018	Renewal	10.0
Sullivan	Callanan Industries Inc	MINE	70045	Worlock Quarry, Quarry Road	6/7/2018	Renewal	79.0
Sullivan	Katzenstein, Kenneth	MINE	70420	Bolivar Road Mine - Bolivar Road	2/8/2018	Renewal	8.6
Sullivan	T H Kinsella Inc	MINE	70875	Worlock Acres Quarry	9/26/2018	Modification	12.8
Sullivan	T H Kinsella Inc	MINE	70875	Worlock Acres Quarry	11/29/2018	Modification	12.8
Monroe							
Gates	Dolomite Products Company	MINE	80020	Gates Quarry	12/3/2018	Renewal	90.5
Hamlin	Podgers, Kenneth D	MINE	80426	Seaman Pit	8/23/2018	Renewal	21.7
Penfield	Dolomite Products Company	MINE	80021	Penfield Quarry	5/14/2018	Renewal	154.0
Montgomery							
Mohawk	William M Larned & Sons Inc	MINE	40147	Bellinger Pit	4/20/2018	Modification	20.0
St Johnsville	Hanson Aggregates Brd	MINE	40054	St. Johnsville Quarry	3/6/2018	Modification	90.2

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Montgomery							
St Johnsville	Hanson Aggregates New Yor	MINE	40054	St. Johnsville Quarry	8/24/2018	Modification	90.2
St Johnsville	Rifenburg Construction Inc	MINE	40024	Pit #2 (Former Burgess Pit)	12/6/2018	Renewal	53.7
Niagara							
Lockport	Redland Quarries NY Inc	MINE	90017	Lockport Quarry	4/24/2018	Modification	531.6
Oneida							
Forestport	Four Corners Sand & Gravel	MINE	60861	Woodgate Mine	9/10/2018	Modification	9.6
Marshall	Peck, Gary R	MINE	60710	Maxwell Road Gravel Pit	8/22/2018	Renewal	5.0
Paris	Ludlow's Sand & Gravel Co I	MINE	60073	Ludlow Sand & Gravel	10/24/2018	Renewal	17.7
Trenton	Trenton, Town of	MINE	60620	Mapledale Road Pit	5/30/2018	Modification	25.0
Western	Western, Town of	MINE	61011	Hoke Pit	9/12/2018	Renewal	4.0
Onondaga							
Cicero	Gerber, Janet F	MINE	70466	Gerber Topsoil - Oxbow Road	12/3/2018	Renewal	45.0
Marcellus	Fey's Gravel Pit LLC	MINE	70176	Fey Mine	11/29/2018	Modification	10.1
Marcellus	Hanson Aggregates New Yor	MINE	70664	Limeledge Road	3/22/2018	Modification	83.0
Onondaga	Hanson Aggregates New Yor	MINE	70648	Griffin Mine	7/26/2018	Renewal	5.0
Skaneateles	Smith, Daniel J	MINE	70462	Lukins Mine - Shepard Road	6/26/2018	Modification	7.6
Tully	Cranesville Block Co Inc	MINE	70599	Tully	7/20/2018	Modification	89.1
Tully	Cranesville Block Co Inc	MINE	70599	Tully	1/8/2018	Modification	89.1
Ontario							
Farmington	Dendis Sand & Gravel Inc	MINE	80772	Farmington Pit	10/25/2018	Modification	9.7
Manchester	Dolomite Products Company	MINE	80043	Manchester Quarry	7/30/2018	Renewal	196.1
Manchester	Marcy Excavation Services L	MINE	80692	Vanopdorp Pit#2	4/25/2018	Modification	26.2
Victor	Hanson Aggregates New Yor	MINE	80050	Victor S&G Mine	3/23/2018	Renewal	153.5
Victor	Syracusa Sand & Gravel Inc.	MINE	80125	Syracusa Sand & Gravel Inc.	4/23/2018	Renewal	120.4
West Bloomfield	Spallina Materials Inc	MINE	80428	West Bloomfield Mine	9/19/2018	Modification	95.8
West Bloomfield	Willow Bend Farm LLC	MINE	80138	Conn Road Mine	1/30/2018	Modification	66.1
Orange							
Blooming Grove	Callahan & Nannini Quarry In	MINE	30081	Callahan & Nannini Quarry	4/25/2018	Renewal	57.0
Blooming Grove	Callahan & Nannini Quarry In	MINE	30081	Callahan & Nannini Quarry	5/23/2018	Modification	57.0
Blooming Grove	Steel Style Inc	MINE	30445	Blooming Grove Mine	4/23/2018	Renewal	12.9
Crawford	Grosso Materials Inc	MINE	30109	Crawford Works	2/20/2018	Renewal	52.1
Deerpark	Deerpark, Town of	MINE	30111	Wilson Rd. Pit	3/15/2018	Renewal	8.0
Montgomery	Mehlon Trucking, Inc	MINE	30195	Kings Hill Rd Shale Mine	8/13/2018	Renewal	8.0

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Orange							
Wallkill	NY86 Associates LLC	MINE	30567	Wallkill Park West	1/12/2018	Renewal	9.0
Wawayanda	E Tetz & Sons Inc	MINE	30246	Slate Hill Site	8/27/2018	Renewal	86.0
Wawayanda	Panattoni Development Com	MINE	30545	Pine Lane Mine	5/21/2018	Renewal	80.0
Wawayanda	Wawayanda, Town of	MINE	30494	Hall Pit	8/13/2018	Renewal	3.9
Woodbury	Highland Sand & Gravel Inc	MINE	30171	Speyside Quarry	3/1/2018	Renewal	43.1
Woodbury	Speyside Holdings LLC	MINE	30171	Speyside Quarry	7/20/2018	Modification	43.1
Orleans							
Barre	Eagle Harbor Sand and Grav	MINE	80171	Eagle Harbor Mine	4/20/2018	Modification	234.9
Clarendon	Hanson Aggregates New Yor	MINE	80079	Clarendon Quarry	10/15/2018	Modification	71.8
Murray	Hanson Aggregates New Yor	MINE	80072	Hulberton Quarry	2/6/2018	Renewal	68.3
Shelby	Shelby Crushed Stone Inc	MINE	80346	Medina	5/31/2018	Modification	109.0
Oswego							
Amboy	Syracuse Sand & Gravel LLC	MINE	70781	Birmingham Gravel Pit	9/5/2018	Renewal	18.9
Constantia	Eastcom Utility Contractors, I	MINE	71018	Scriba Creek Farm Mine	6/21/2018	Modification	9.9
Constantia	Syracuse Sand & Gravel LLC	MINE	70353	Constantia Center Mine - Co. Rt. 17	11/29/2018	Renewal	110.7
Hannibal	C J Ferlito Aggregates Inc	MINE	70842	Harris Hill Mine	5/24/2018	Modification	5.8
Hannibal	Shawn Malone Excavating In	MINE	71032	Pannozzo Pit	6/7/2018	New	1.6
Hannibal	Townsend, Brad	MINE	71046	Pellet Road Pit	6/7/2018	New	4.1
Hastings	A J Montclair Inc	MINE	70559	Hogsback Road Mine	7/3/2018	Renewal	10.6
Hastings	House, Joseph R	MINE	71030	House Pit	8/20/2018	Modification	9.6
Hastings	Weaver, Robert L	MINE	70189	Pit #2- Rt.11	8/7/2018	Renewal	22.0
Hastings	Weaver, Robert L	MINE	70763	Hogs Back Pit - Hogsback Road	8/7/2018	Renewal	10.3
Hastings	Weaver, Robert L	MINE	70926	Gravel Run Mine	8/20/2018	Renewal	11.3
Palermo	Bresnahan, Robert	MINE	70893	Bresnahan Topsoil Mine	7/5/2018	Renewal	32.1
Palermo	Bresnahan, Robert	MINE	70953	Rice Pit North	7/3/2018	Modification	7.5
Palermo	Lindsey Aggregates Inc	MINE	71045	Runions Pit	6/12/2018	New	17.2
Palermo	Syracuse Sand & Gravel LLC	MINE	70136	Palermo, Island Road	5/25/2018	Modification	13.8
Palermo	Syracuse Sand & Gravel LLC	MINE	70306	Stephen Geer Gravel Bed	2/5/2018	Renewal	11.8
Richland	Coffin, Robert E	MINE	70813	Coffin Topsoil Mine - Peck Road	10/22/2018	Modification	29.6
Schroepfel	Brown, Connie	MINE	70381	Gilbert Mills Road Facility	8/20/2018	Renewal	13.2
Schroepfel	Gabor, Donald J	MINE	70568	Gabor Mine	12/6/2018	Renewal	5.0
Schroepfel	Schroepfel Sand and Gravel,	MINE	70305	Bates Bed	5/9/2018	Modification	14.4
Scriba	Lazarek Inc	MINE	70339	Scriba Pit	11/20/2018	Renewal	29.0

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Oswego							
Volney	Syracuse Sand & Gravel LLC	MINE	70260	Snyder Mine	1/30/2018	Renewal	34.7
Volney	Syracuse Sand & Gravel LLC	MINE	70409	Baldwin Road - Ives	4/27/2018	Renewal	61.0
West Monroe	Cemento LLC	MINE	70212	Jack Brown And Sons 49 pit	3/6/2018	Renewal	54.6
West Monroe	Cemento LLC	MINE	70803	Hildreth - Bisbo Mine	3/9/2018	Renewal	15.2
West Monroe	Cemento LLC	MINE	71024	Tanner Gravel Pit	2/8/2018	Modification	4.9
Williamstown	Williamstown, Town of	MINE	70586	Kasoag Mine	4/24/2018	Renewal	13.3
Otsego							
Cherry Valley	Cherry Valley, Town of	MINE	40894	Sprout Brook	6/22/2018	Renewal	5.0
Cherry Valley	Cherry Valley, Town of	MINE	40894	Sprout Brook	3/1/2018	Modification	5.0
Middlefield	Milford, Town of	MINE	40645	New Joe Kriz Pit - North Pit	8/23/2018	Renewal	6.5
Milford	Burton F Clark Inc	MINE	40596	Peterson Mine	6/22/2018	Renewal	14.0
Milford	Centofante Land LLC	MINE	40658	Rte 28 Goodyear Lake Pit	10/30/2018	Modification	3.3
New Lisbon	Parker Excavating & Gravel	MINE	40851	Balcom Sand & Gravel	3/16/2018	Modification	17.4
Otego	Otego, Town of	MINE	40288	Otego Quarry S&G Bank	2/16/2018	Modification	16.9
Otsego	Stocking, Mike A	MINE	40538	Kukenberger's Gravel	11/28/2018	Modification	44.7
Pittsfield	Benson, David, Gregory, Lind	MINE	40113	NYS Rt.80 / Benson Gravel-Hoboke	4/30/2018	Modification	22.6
Pittsfield	Seward Sand & Gravel Inc	MINE	40597	Hoffman Gravel Mine	8/14/2018	Modification	51.0
Unadilla	Michael E. Barnes and Tamar	MINE	40652	Zupan/Barnes Prop. Pit	10/10/2018	Modification	13.0
Unadilla	Miller, Robert	MINE	40668	Miller Gravel Mine	11/26/2018	Modification	10.0
Putnam							
Kent	Kent Materials LLC	MINE	30670	Kent Materials Rte 52 Quarry	9/12/2018	Modification	12.9
Rensselaer							
Berlin	PLT Sand and Gravel LLC	MINE	40708	Hoffman Mine	8/7/2018	Modification	14.5
East Greenbush	Correllis Holding, LLC	MINE	40239	East Greenbush Sand Pit	6/15/2018	Modification	23.4
Nassau	Smith, Daniel G	MINE	40677	Teasdale Mine	1/22/2018	Renewal	7.0
North Greenbush	Callanan Industries Inc	MINE	40019	Wynantskill Pit	8/17/2018	Modification	413.4
North Greenbush	Callanan Industries Inc	MINE	40019	Wynantskill Pit	12/19/2018	Renewal	413.4
Poestenkill	Kronau, Kevin W, Sr	MINE	40512	Deer Creek Mine	1/16/2018	Renewal	2.9
Sand Lake	Troy Sand & Gravel Co Inc	MINE	40007	West Sand Lake Operation	2/16/2018	Modification	142.4
Schaghticoke	R J Valente Gravel Inc	MINE	40934	Schaghticoke Mine	8/28/2018	Modification	16.8
Schaghticoke	Warren W Fane Inc	MINE	40289	Hemstreet Park Pit	11/6/2018	Modification	225.3
Schaghticoke	Warren W Fane Inc	MINE	40738	Ward Bank	3/16/2018	Renewal	50.7
Schodack	Wm J Keller & Sons Construc	MINE	40270	Old Post Rd. Pit	7/27/2018	Modification	60.0

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Rensselaer							
Stephentown	Misty Valley Farm LLC	MINE	40945	Stephentown Gravel Mine	10/18/2018	New	5.0
Stephentown	Troy Sand & Gravel Co Inc	MINE	40273	Tayer/ Saddle Back Ridge Rd. Pit	3/28/2018	Renewal	37.1
Saratoga							
Clifton Park	Hicks, Thomas A	MINE	50933	Sugar Hill Bank	8/20/2018	Modification	18.0
Corinth	Adirondack Ind Construction	MINE	50339	Johnson Pit	6/4/2018	Renewal	21.5
Corinth	Pallette Stone Corp	MINE	50364	South Corinth Bank	5/15/2018	Renewal	121.0
Corinth	Pompa Bros Inc	MINE	50264	Wells Rd Pit	7/29/2018	Renewal	5.8
Greenfield	Ballston and Greenfield, Tow	MINE	50290	Greenfield Gravel Bed	9/24/2018	Renewal	32.0
Greenfield	Pompa Bros Inc	MINE	50263	Coy Rd Pit	7/29/2018	Renewal	147.8
Greenfield	Pompa Bros Inc	MINE	50263	Coy Rd Pit	2/7/2018	Modification	147.8
Hadley	Hadley, Town of	MINE	50007	Hadley Mine	10/24/2018	Renewal	5.0
Moreau	Lehigh Northeast Cement Co	MINE	50021	Glens Falls Quarry	7/29/2018	Renewal	286.0
Northumberland	Finch Waste Co LLC	MINE	50834	Shale Pit	6/25/2018	Renewal	5.5
Providence	Troy Sand & Gravel Co Inc	MINE	50187	Providence Mining Pit	10/24/2018	Renewal	11.1
Saratoga Spring	Pallette Stone Corp	MINE	50044	Saratoga Springs Quarry	7/29/2018	Renewal	80.0
Wilton	Legacy Builders LLC	MINE	50710	Janet Shaw Pit	2/14/2018	Modification	22.2
Schenectady							
Duanesburg	Mariaville Materials LLC`	MINE	40134	Mariaville Peat Mine	1/29/2018	Renewal	29.8
Glenville	Cranesville Aggregate Comp	MINE	40452	Fox Farm Bank	3/8/2018	Modification	9.9
Schoharie							
Broome	Broome, Town of	MINE	40628	Kelly Pit	11/23/2018	Renewal	3.1
Carlisle	Chichester, Everett R Jr	MINE	40635	Hunt Carlisle Shale Mine	6/22/2018	Renewal	7.8
Conesville	Carver Sand & Gravel LLC	MINE	40692	Conesville Pit	3/10/2018	Renewal	18.5
Gilboa	Platterkill Mine LLC	MINE	40481	Platterkill Gravel Mine	2/23/2018	Modification	15.5
Schuyler							
Montour	Catharine, Town of	MINE	80723	Reynolds Pit	4/23/2018	Renewal	9.9
St. Lawrence							
Clifton	Langevin Excavation	MINE	60714	Benson Mines	6/1/2018	Renewal	9.6
Colton	Northeast Drainage LLC	MINE	61122	Northeast Colton Mine	11/5/2018	Renewal	9.4
Edwards	French, Wayne	MINE	60233	Barraford Pit	1/25/2018	Renewal	16.3
Edwards	Harmer, Harry J / Harmer Co	MINE	60728	Bullock Pit	12/12/2018	Renewal	14.5
Fine	Fine, Town of	MINE	61008	Langevin Pit	1/24/2018	Modification	10.8
Fowler	Empire State Mines LLC	MINE	60027	Number 4 Mine	12/1/2018	Modification	800.0

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
St. Lawrence							
Gouverneur	Crobar, Jeffrey	MINE	60350	Process Sand And Gravel	3/5/2018	Renewal	30.5
Gouverneur	Jenkins, Don W. Jr	MINE	60905	Wells Mine	7/10/2018	Modification	2.5
Lawrence	Stauffer Farms LLC	MINE	61131	Jackobs Mine	10/19/2018	Modification	5.5
Lisbon	Lisbon, Town of	MINE	60306	Diamond National Pit	3/22/2018	Modification	5.0
Lisbon	Murdock, Mathew J.	MINE	61146	Hershberger Mine	6/21/2018	New	3.7
Louisville	Seaway Timber Harvesting In	MINE	61100	Louisville Sand Mine	1/10/2018	Renewal	19.9
Oswegatchie	Seaway Timber Harvesting In	MINE	61051	Livingston Topsoil Mine	1/5/2018	Renewal	62.9
Parishville	Parishville Sand & Gravel Inc	MINE	60141	Parishville Sand & Gravel	5/22/2018	Modification	36.3
Parishville	Potsdam, Town of	MINE	60262	Bensen Pit	1/3/2018	Renewal	26.8
Parishville	Randall, Richard	MINE	61147	Benson Road Mine	6/1/2018	New	4.5
Part	Perras Excavating Inc	MINE	61145	Beckstead Topsoil Mine	5/11/2018	New	17.0
Pierrepont	Canton, Village of	MINE	60126	Beech Plains Gravel Pit	4/2/2018	Renewal	16.0
Pierrepont	Pierrepont, Town of	MINE	61116	Pierrepont Pit	2/14/2018	Renewal	4.3
Pierrepont	St Lawrence County	MINE	60295	Woodside Gravel Mine	1/5/2018	Renewal	40.0
Pitcairn	Pitcairn, Town of	MINE	60906	East Pitcairn Road Pit	4/6/2018	Renewal	4.9
Russell	Russell, Town of	MINE	60696	Town Of Russell Gravel Pit	3/16/2018	Renewal	12.3
Stockholm	J E Sheehan Contracting Cor	MINE	60762	Catamount Ridge Mine	10/1/2018	Modification	52.2
Steuben							
Avoca	Hubbard, Gretchen	MINE	80665	Hub-Boy Gravel Products	10/25/2018	Modification	19.6
Avoca	Steuben County	MINE	80845	Mitchell Pit	8/27/2018	Renewal	8.7
Bath	Hanson Aggregates New Yor	MINE	80001	Conrad Pit	9/4/2018	Modification	29.0
Bath	Knight Settlement Sand & Gr	MINE	80013	Bath Pit	5/30/2018	Modification	200.3
Bath	Syracuse Sand & Gravel LLC	MINE	80714	Knowles Mine	3/23/2018	Modification	22.5
Campbell	Dalrymple Gravel & Contracti	MINE	80796	Smith Gravel Mine	11/27/2018	Renewal	77.6
Corning	Gridley Excavating, LLC	MINE	80851	Gridley River Road Gravel Mine	4/23/2018	Renewal	5.0
Dansville	Lawrence, Blake S.	MINE	80840	Lawrence Mine	5/22/2018	New	3.8
Erwin	Cold Spring Construction Co	MINE	80752	Cold Spring Development	2/13/2018	Modification	93.5
Erwin	Dalrymple Gravel & Contracti	MINE	80769	Smith Hill Road Pit	10/16/2018	Renewal	93.7
Erwin	Dalrymple Gravel & Contracti	MINE	80769	Smith Hill Road Pit	5/30/2018	Modification	93.7
Erwin	Erwin, Town of	MINE	80302	Erwin Mine	1/17/2018	Renewal	16.0
Erwin	Erwin, Town of	MINE	80730	Town Of Erwin Gravel Pit	4/23/2018	Renewal	11.8
Fremont	Dansville, Town of	MINE	80739	Eisman Road #1 Mine	8/2/2018	Renewal	13.0
Howard	Dolomite Products Company	MINE	80203	Howard Operation	6/27/2018	Renewal	186.6

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Steuben							
Lindley	Glenn O Hawbaker Inc	MINE	80153	Presho Pit	4/23/2018	Renewal	45.6
Rathbone	Tuscarora, Town of	MINE	80728	Tuscarora Gravel Pit	3/1/2018	Renewal	37.9
Suffolk							
Brookhaven	Coram Materials Corp	MINE	10098	Coram Materials	1/31/2018	Modification	271.9
Riverhead	CMA Mine LLC	MINE	10011	Suffolk Cement Osborne Ave	5/29/2018	Renewal	15.0
Riverhead	Riverhead CB LLC	MINE	10010	Riverhead Cement Block	2/9/2018	Modification	9.0
Riverhead	Riverhead, Town of	MINE	10125	Manor Lane Basin	10/4/2018	Renewal	12.2
Southampton	East Coast Mines & Materials	MINE	10020	East Coast Mines	5/7/2018	Modification	156.7
Southampton	Wainscott Properties Inc	MINE	10041	Wainscott Properties Flanders Site	7/17/2018	Renewal	3.0
Sullivan							
Callicoon	Callicoon, Town of	MINE	30075	Dewitt Flats Gravel Mine	8/28/2018	Renewal	4.9
Fallsburgh	Werlau Enterprises LLC	MINE	30217	Liberty Sand & Gravel	3/16/2018	Renewal	18.2
Neversink	Dean, George and Dean, Bar	MINE	30187	Crystal Falls Mine	8/30/2018	Modification	8.8
Thompson	Lancaster Development Inc	MINE	30669	Foss Road Borrow Pit	11/5/2018	Renewal	4.1
Tioga							
Barton	El-Ba Park LLC	MINE	70809	Hartman Mine - NYS Route 17	1/3/2018	Renewal	19.0
Barton	State Line Auto Auction Inc	MINE	70656	State Line Mine - Chapel Road	5/1/2018	Renewal	4.9
Candor	Whetzel, Kim K	MINE	70704	Willseyville Mine -White Church Roa	1/19/2018	Renewal	29.8
Nichols	F S Lopke Contracting Inc	MINE	70028	Nichols-Barrett Site	4/30/2018	Renewal	112.0
Nichols	F S Lopke Contracting Inc	MINE	70167	River Drive Mine	10/3/2018	Modification	78.7
Owego	Steen, Roger	MINE	70874	Steen Mine	6/12/2018	Renewal	1.5
Owego	Syracuse Sand & Gravel LLC	MINE	70733	Dellapenna Pit	4/13/2018	Renewal	9.7
Spencer	Angelo Sand and Gravel Inc	MINE	70011	Spencer Pits #1 And #2 NYS Route	1/2/2018	Modification	86.2
Tioga	F S Lopke Contracting Inc	MINE	71012	Ayers-Brink Mine	4/2/2018	New	40.2
Tompkins							
Caroline	Caroline, Town of	MINE	70033	Perkins Road Mine	3/8/2018	Renewal	3.4
Ithaca	Rancich, John	MINE	70849	Marshall	10/26/2018	Renewal	4.8
Newfield	Eddy, Alfred C	MINE	70560	Sayles Gravel Mine	2/12/2018	Renewal	9.0
Ulster							
Kingston	Eastern Materials LLC	MINE	30332	Jockey Hill Road Quarry	2/12/2018	Renewal	37.6
Marbletown	H & R Rock Co Inc	MINE	30618	H & R Rock Bluestone Mine	10/12/2018	Modification	4.9
Marbletown	H & R Rock Co Inc	MINE	30618	H & R Rock Bluestone Mine	4/4/2018	Renewal	4.9
Rochester	Bell's Christmas Trees LLC	MINE	30489	Gordon Bell Mine	1/8/2018	Modification	6.7

Mined Land Permits Issued During 2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Ulster							
Rochester	Bell's Christmas Trees LLC	MINE	30489	Gordon Bell Mine	4/26/2018	Renewal	6.7
Rochester	Rochester, Town of	MINE	30077	Airport Rd.	12/19/2018	Renewal	18.0
Rochester	Rochester, Town of	MINE	30569	Route 209 Mine	10/10/2018	Renewal	6.8
Rochester	Rochester, Town of	MINE	30569	Route 209 Mine	10/11/2018	Modification	6.8
Saugerties	Gianganano, David	MINE	30347	AMA Farms Mine	3/30/2018	Modification	2.3
Saugerties	Northeast Solite Corp	MINE	30035	Mt Marion Quarry	2/27/2018	Renewal	57.0
Shawangunk	Garrison, Robert	MINE	30457	Orchard Drive Shale Pit	1/17/2018	Renewal	11.9
Shawangunk	Stap, Robert	MINE	30659	Stap Farm Mine	5/29/2018	Renewal	5.0
Wawarsing	Osterhoudt Corporation	MINE	30657	Ellenville Bank	10/5/2018	Renewal	20.0
Warren							
Bolton	In The Woods Group LLC	MINE	50807	Bolton Gravel Pit	1/22/2018	Renewal	9.7
Chester	Gilma Enterprises Inc	MINE	50250	Gilma Gravel Pit	6/12/2018	Renewal	6.5
Johnsburg	Bateman, Joseph A	MINE	50418	Bateman Pit	6/12/2018	Renewal	2.0
Johnsburg	Peck Properties LLC	MINE	50694	Holland Road Mine Site	4/26/2018	Renewal	5.0
Lake George	Cutting Edge Group LLC	MINE	50048	Lake George Pit	3/26/2018	Renewal	6.3
Queensbury	Jenkinsville Sand and Gravel	MINE	50074	McLaughlin Pit	2/5/2018	Modification	20.0
Thurman	Carpenter, Rosalie	MINE	50513	Philip Carpenter Pit	5/17/2018	Modification	4.7
Washington							
Dresden	Dresden, Town of, Highway D	MINE	50833	Steele Gravel Mine	9/24/2018	Renewal	4.7
Fort Ann	Jenkinsville Sand and Gravel	MINE	50985	Fort Ann Quarry #1	6/12/2018	Renewal	6.5
Fort Ann	Jointa Galusha LLC	MINE	50159	Fort Ann Bank	7/29/2018	Renewal	85.0
Fort Ann	Markie, Ronald	MINE	50794	Deweys Bridge Quarry	10/28/2018	Renewal	2.8
Fort Ann	Peckham Materials Corp	MINE	50504	Washington County Mine	12/9/2018	Renewal	38.2
Fort Ann	Schermerhorn Construction L	MINE	50572	Yole Sand Pit	6/12/2018	Renewal	24.0
Kingsbury	Yolam Construction Inc	MINE	50467	Rich Clay Pit	10/2/2018	Renewal	41.8
Whitehall	Wood Construction	MINE	50944	Wood's Shale Mine	11/15/2018	Renewal	4.0
Wayne							
Arcadia	Dolomite Products Company	MINE	80080	Palmer Road Site	3/5/2018	Modification	261.3
Butler	Butler, Town of	MINE	80396	T Hwy Pit	7/11/2018	Renewal	25.5
Galen	Montemorano Bros	MINE	80787	The Flats Turf and Gravel	6/20/2018	Modification	28.0
Huron	Furnaceville Holding LLC	MINE	80544	Alton Pit	10/23/2018	Renewal	7.4
Lyons	Montemorano Bros Inc	MINE	80768	Montemorano Pit #4 - South Lyons	11/20/2018	Modification	10.2
Palmyra	Marion, Town of	MINE	80128	Lyon Gravel Mine	10/16/2018	Renewal	35.3

Mined Land Permits Issued During 2018

1/2/2018

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Wayne							
Sodus	Crushmore LLC	MINE	80710	Smith Gravel Pit	9/7/2018	Modification	37.0
Sodus	Crushmore LLC	MINE	80710	Smith Gravel Pit	6/11/2018	Modification	37.0
Sodus	Hanson Aggregates New Yor	MINE	80031	Sodus Quarry	12/3/2018	Renewal	111.9
Sodus	Syracuse Sand & Gravel LLC	MINE	80841	Quarry Road	10/1/2018	Modification	32.7
Sodus	Woodard, Donald L	MINE	80780	South Street Gravel	1/16/2018	Renewal	8.0
Wyoming							
Eagle	Wyco Construction Inc	MINE	90625	Wyco Gravel Pit - Sheppard Road M	12/6/2018	Modification	8.4
Java	Kirchmeyer Inc	MINE	90968	Kirchmeyer Gravel Mine	11/29/2018	Renewal	2.3
Yates							
Torrey	City Hill Excavating Inc	MINE	80229	Hansen Pit	10/4/2018	Modification	28.7
Torrey	Syracusa Sand & Gravel Inc.	MINE	80609	Eskildsen Pit	11/14/2018	Modification	11.7

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Albany						
Bluestone	2	0	72	46	5	41
Clay	0	6	72	75	75	0
Dolostone	1	0	7	7	0	7
Limestone	3	0	1,654	1,112	35	1,077
Sand and Gravel	12	23	496	475	282	193
Shale	2	4	108	110	28	82
Topsoil	0	1	22	22	22	0
County Totals	20	34	2,430	1,845	446	1,400
Allegany						
Clay	0	2	7	7	7	0
Glacial Till	0	2	3	2	2	0
Sand and Gravel	28	64	1,620	982	528	455
Sandstone	0	1	8	8	8	0
Shale	2	0	8	8	0	8
Topsoil	0	1	8	2	2	0
County Totals	30	70	1,654	1,009	547	463
Broome						
Bluestone	48	29	711	434	76	358
Clay	0	2	34	6	6	0
Glacial Till	0	3	19	19	19	0
Sand and Gravel	21	31	1,317	1,260	790	470
Shale	1	0	15	15	0	15
Topsoil	1	1	6	6	3	3
County Totals	71	66	2,101	1,741	894	846
Cattaraugus						
Clay	0	2	16	16	16	0
Glacial Till	0	2	8	8	8	0
Peat	1	0	6	5	0	5
Sand and Gravel	64	59	5,207	3,127	1,301	1,826
Shale	0	5	24	24	24	0
Topsoil	0	1	15	15	15	0
County Totals	65	69	5,276	3,195	1,364	1,831
Cayuga						
Clay	0	4	31	31	31	0
Glacial Till	0	2	26	26	26	0
Limestone	1	0	225	64	0	64
Sand and Gravel	13	48	1,053	546	334	211
Shale	0	1	0	0	0	0
County Totals	14	55	1,335	667	392	275

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Chautauqua						
Clay	1	2	82	82	80	2
Glacial Till	1	2	57	49	28	21
Sand and Gravel	40	95	1,967	1,334	755	579
Sandstone	0	1	28	12	12	0
Shale	1	0	3	3	0	3
Topsoil	0	3	24	31	31	0
County Totals	43	103	2,162	1,512	906	606
Chemung						
Clay	0	1	4	4	4	0
Glacial Till	0	8	0	54	54	0
Sand and Gravel	20	45	943	847	589	258
Topsoil	0	3	59	35	35	0
County Totals	20	57	1,006	940	682	258
Chenango						
Bluestone	5	4	94	64	24	40
Clay	0	1	13	1	1	0
Sand and Gravel	29	52	1,291	1,038	381	657
Sandstone	2	0	129	37	0	37
Shale	2	6	17	17	14	3
Topsoil	0	2	18	6	6	0
County Totals	38	65	1,562	1,163	425	737
Clinton						
Clay	0	3	5	7	7	0
Dolostone	1	0	40	5	0	5
Limestone	5	1	239	187	3	184
Sand and Gravel	51	74	2,199	1,499	742	757
Sandstone	6	0	322	170	32	138
Topsoil	0	4	25	37	37	0
County Totals	63	82	2,830	1,905	821	1,084
Columbia						
Clay	0	6	48	111	111	0
Limestone	2	0	1,265	325	0	325
Peat	0	12	63	75	75	0
Sand and Gravel	22	34	1,208	934	422	512
Shale	0	1	3	3	3	0
County Totals	24	53	2,587	1,448	611	837
Cortland						
Glacial Till	0	2	9	5	5	0
Sand and Gravel	18	32	1,074	807	490	318
Shale	1	1	8	7	1	6
County Totals	19	35	1,092	819	496	324

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Delaware						
Bluestone	34	30	630	531	130	401
Clay	0	1	5	4	4	0
Sand and Gravel	27	68	887	772	451	321
County Totals	61	99	1,521	1,307	585	722
Dutchess						
Dolostone	2	0	818	821	4	817
Glacial Till	0	1	0	0	0	0
Granite	1	0	65	58	0	58
Peat	0	1	0	140	140	0
Sand and Gravel	41	87	2,787	2,610	1,831	779
Shale	0	1	0	5	5	0
Stone	0	1	70	70	70	0
County Totals	44	91	3,740	3,704	2,050	1,654
Erie						
Clay	0	13	205	203	203	0
Glacial Till	0	3	72	65	65	0
Limestone	3	0	1,357	1,227	0	1,227
Sand and Gravel	36	37	2,671	1,809	1,022	786
Shale	2	0	11	6	0	6
Topsoil	0	4	226	141	141	0
County Totals	41	57	4,541	3,450	1,431	2,019
Essex						
Clay	0	1	3	3	3	0
Granite	4	0	443	189	1	188
Iron Ore	0	1	138	138	138	0
Limestone	1	2	21	9	4	5
Sand and Gravel	32	50	983	643	254	389
Topsoil	0	2	17	27	27	0
Wollastonite	3	0	292	292	2	290
County Totals	40	56	1,897	1,301	429	872
Franklin						
Clay	1	0	51	26	6	20
Granite	1	0	108	78	0	78
Sand and Gravel	61	62	1,215	907	390	517
Sandstone	1	1	51	26	22	4
Topsoil	0	3	10	30	30	0
County Totals	64	66	1,435	1,067	448	619
Fulton						
Glacial Till	0	1	0	2	2	0
Granite	2	0	243	122	2	120
Sand and Gravel	24	27	973	562	263	300
Topsoil	0	1	8	7	7	0
County Totals	26	29	1,224	693	274	420

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Genesee						
Clay	0	2	17	6	6	0
Gypsum	1	0	15	15	15	0
Limestone	5	0	1,347	866	0	866
Marl	0	2	29	29	29	0
Sand and Gravel	12	21	1,718	909	407	502
County Totals	18	25	3,127	1,825	457	1,369
Greene						
Bluestone	1	0	49	46	0	46
Clay	0	1	12	12	12	0
Glacial Till	0	1	10	10	10	0
Limestone	2	1	2,308	685	68	617
Sand and Gravel	6	19	257	219	184	34
Sandstone	1	1	133	83	4	79
Shale	6	5	309	217	47	170
Topsoil	0	1	8	8	8	0
County Totals	16	29	3,087	1,279	333	946
Hamilton						
Dolostone	1	0	35	33	4	29
Sand and Gravel	14	31	232	212	145	66
Stone	0	1	0	4	4	0
County Totals	15	32	267	249	154	95
Herkimer						
Clay	0	8	66	66	66	0
Dolostone	2	0	68	42	0	42
Limestone	2	0	570	383	6	377
Sand and Gravel	35	74	1,789	1,297	434	863
Topsoil	1	1	17	8	3	5
County Totals	40	83	2,510	1,796	509	1,288
Jefferson						
Clay	0	8	83	120	120	0
Dolostone	1	0	28	28	0	28
Granite	1	0	15	5	0	5
Limestone	16	8	1,312	1,071	245	826
Peat	0	2	23	14	14	0
Sand and Gravel	40	133	2,304	1,756	1,104	674
Shale	1	0	2	2	0	2
Topsoil	0	12	246	239	239	0
County Totals	59	163	4,013	3,236	1,722	1,535

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Lewis						
Clay	0	3	6	6	6	0
Limestone	4	1	238	137	3	134
Sand and Gravel	25	90	872	748	432	316
Shale	1	11	59	58	55	3
Topsoil	0	1	0	3	3	0
Wollastonite	1	0	54	47	8	38
County Totals	31	106	1,230	998	507	491
Livingston						
Glacial Till	0	2	0	11	11	0
Limestone	1	0	493	315	0	315
Peat	0	1	3	3	3	0
Salt	2	0	9,055	975	30	945
Sand and Gravel	18	29	1,376	1,070	764	306
County Totals	21	32	10,927	2,374	808	1,566
Madison						
Clay	0	1	10	1	1	0
Glacial Till	0	1	18	18	18	0
Limestone	5	0	452	278	0	278
Peat	0	1	70	5	5	0
Sand and Gravel	16	27	866	538	323	215
Topsoil	0	1	49	0	0	0
County Totals	21	31	1,465	840	347	493
Monroe						
Dolostone	2	0	245	245	67	178
Glacial Till	0	6	25	71	71	0
Limestone	1	0	298	298	10	288
Sand and Gravel	8	23	1,094	772	576	196
County Totals	11	29	1,661	1,385	724	661
Montgomery						
Clay	0	1	4	4	4	0
Dolostone	2	0	329	305	0	305
Limestone	1	1	207	197	7	190
Sand and Gravel	4	6	267	207	82	125
Shale	0	1	0	3	3	0
County Totals	7	9	808	716	97	620
Multicounty						
Limestone	1	0	159	159	55	104
Sand and Gravel	1	1	62	51	2	49
County Totals	2	1	221	210	57	153
Multi-Region						
Salt	1	0	13,579	9,410	0	9,410
County Totals	1	0	13,579	9,410	0	9,410

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Nassau						
Sand and Gravel	0	5	334	334	334	0
County Totals	0	5	334	334	334	0
Niagara						
Clay	7	14	585	419	308	111
Dolostone	1	0	679	532	0	532
Glacial Till	0	1	10	10	10	0
Limestone	2	0	637	370	0	370
Sand and Gravel	1	13	172	166	159	7
Topsoil	0	2	6	6	6	0
County Totals	11	30	2,089	1,502	483	1,019
Oneida						
Clay	0	3	20	25	25	0
Granite	1	0	100	100	0	100
Industrial Sand	1	1	525	29	5	24
Limestone	1	0	342	272	14	258
Sand and Gravel	51	90	2,717	1,482	839	643
Shale	0	2	6	6	6	0
Topsoil	1	1	8	8	3	5
County Totals	55	97	3,717	1,922	892	1,029
Onondaga						
Clay	2	2	79	71	20	51
Glacial Till	0	15	178	185	185	0
Limestone	7	1	2,076	1,640	16	1,624
Sand and Gravel	23	31	1,350	1,078	561	517
Shale	1	3	76	30	8	22
Topsoil	3	4	224	176	116	60
County Totals	36	56	3,983	3,180	905	2,274
Ontario						
Clay	1	3	57	57	48	8
Glacial Till	0	1	0	9	9	0
Limestone	2	0	665	441	0	441
Sand and Gravel	32	29	2,895	2,150	1,058	1,092
Topsoil	0	1	0	8	8	0
County Totals	35	34	3,617	2,665	1,123	1,542
Orange						
Dolostone	1	1	80	80	25	55
Glacial Till	0	1	3	2	2	0
Limestone	1	1	0	36	6	30
Sand and Gravel	23	67	1,624	1,440	1,121	320
Shale	7	1	389	263	91	172
Topsoil	0	1	10	10	10	0
County Totals	32	72	2,106	1,831	1,255	577

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Orleans						
Clay	0	4	64	60	60	0
Glacial Till	0	3	0	8	8	0
Limestone	2	0	249	181	6	175
Sand and Gravel	11	14	923	639	311	328
Sandstone	4	0	362	87	0	87
County Totals	17	21	1,598	975	385	590
Oswego						
Glacial Till	0	4	25	21	21	0
Industrial Sand	0	1	1	1	1	0
Sand and Gravel	90	96	5,251	2,998	1,435	1,563
Sandstone	1	0	7	3	0	3
Topsoil	3	4	178	106	71	35
County Totals	94	105	5,461	3,129	1,527	1,602
Otsego						
Bluestone	1	1	10	9	5	4
Clay	0	3	7	10	10	0
Sand and Gravel	29	35	1,039	898	491	407
Shale	1	2	10	6	1	5
Topsoil	0	1	2	0	0	0
County Totals	31	42	1,068	923	507	416
Putnam						
Limestone	1	0	56	56	0	56
Sand and Gravel	0	11	49	79	79	0
Stone	1	0	8	6	0	6
County Totals	2	11	113	141	79	61
Rensselaer						
Clay	0	4	20	18	18	0
Limestone	1	0	60	55	0	55
Sand and Gravel	46	55	2,563	1,980	529	1,450
Sandstone	4	0	342	210	0	210
Shale	1	1	157	148	34	115
County Totals	52	60	3,141	2,412	582	1,830
Rockland						
Basalt	1	1	270	235	38	197
Dolostone	1	0	184	145	0	145
Sand and Gravel	0	1	0	0	0	0
Trap Rock	1	0	153	153	0	153
County Totals	3	2	607	533	38	495

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Saratoga						
Clay	4	6	98	72	35	37
Dolostone	1	0	71	67	0	67
Granite	2	0	559	236	0	236
Industrial Sand	0	2	90	95	95	0
Limestone	2	0	450	366	30	336
Sand and Gravel	48	57	2,143	1,408	495	913
Shale	1	1	13	7	1	6
Topsoil	0	3	52	39	39	0
County Totals	58	69	3,475	2,290	695	1,595
Schenectady						
Clay	0	1	15	15	15	0
Peat	1	0	108	30	6	23
Sand and Gravel	6	7	342	284	95	188
Shale	1	1	26	12	6	6
County Totals	8	9	491	341	123	218
Schoharie						
Limestone	4	0	564	424	0	424
Sand and Gravel	10	13	212	199	86	113
Shale	2	5	27	24	10	15
County Totals	16	18	802	647	96	551
Schuyler						
Clay	0	1	0	20	20	0
Glacial Till	0	1	0	2	2	0
Sand and Gravel	11	21	527	413	166	247
Shale	0	1	0	1	1	0
Topsoil	0	1	2	2	2	0
County Totals	11	25	529	438	191	247
Seneca						
Clay	2	1	240	217	101	116
Limestone	1	0	515	445	0	445
Peat	1	0	65	50	25	26
Sand and Gravel	1	4	106	83	69	13
Shale	0	1	2	2	2	0
County Totals	5	6	928	797	197	600

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
St. Lawrence						
Clay	1	8	132	128	120	8
Dolostone	4	0	694	355	96	259
Granite	1	0	13	10	0	10
Limestone	1	0	103	52	0	52
Marble	1	0	169	58	20	38
Sand and Gravel	82	155	3,106	2,261	1,231	1,043
Sandstone	0	1	20	5	5	0
Talc	0	2	194	190	190	0
Topsoil	5	19	522	444	358	85
Zinc	1	3	1,441	881	540	341
County Totals	96	188	6,393	4,383	2,560	1,836
Steuben						
Clay	0	1	0	25	25	0
Glacial Till	0	6	11	55	55	0
Sand and Gravel	67	86	3,198	2,759	1,106	1,653
Sandstone	1	0	92	91	0	91
Topsoil	1	2	14	14	13	1
County Totals	69	95	3,315	2,945	1,199	1,745
Suffolk						
Sand and Gravel	23	56	2,014	2,012	799	1,213
County Totals	23	56	2,014	2,012	799	1,213
Sullivan						
Sand and Gravel	18	50	805	746	492	254
Sandstone	4	1	1,226	879	2	877
Shale	2	1	12	7	3	4
County Totals	24	52	2,043	1,632	497	1,135
Tioga						
Glacial Till	0	2	3	5	5	0
Sand and Gravel	24	43	2,160	1,722	955	766
Topsoil	2	1	71	30	14	16
County Totals	26	46	2,234	1,756	974	782
Tompkins						
Bluestone	2	0	20	17	0	17
Clay	0	1	4	4	4	0
Glacial Till	0	3	19	11	11	0
Limestone	1	0	126	126	107	20
Sand and Gravel	12	24	590	432	202	229
Topsoil	0	2	2	5	5	0
County Totals	15	30	761	595	329	266

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Ulster						
Bluestone	3	0	18	18	0	18
Clay	1	5	53	46	42	4
Dolostone	1	0	397	11	0	11
Glacial Till	0	1	0	9	9	0
Limestone	2	1	364	334	87	247
Sand and Gravel	27	48	1,251	927	576	351
Sandstone	2	1	63	43	4	39
Shale	12	20	276	217	102	115
Topsoil	0	1	0	10	10	0
County Totals	48	77	2,422	1,616	830	785
Warren						
Garnet	1	1	250	223	55	168
Granite	1	0	183	156	0	156
Limestone	0	1	21	21	21	0
Sand and Gravel	30	25	867	503	135	369
County Totals	32	27	1,320	904	211	693
Washington						
Clay	0	2	10	10	10	0
Glacial Till	0	1	0	1	1	0
Granite	11	0	680	228	2	227
Limestone	4	0	430	213	0	213
Sand and Gravel	37	55	1,415	1,006	494	512
Sandstone	1	1	135	41	1	40
Shale	1	1	16	8	6	2
Topsoil	0	3	75	60	60	0
County Totals	54	63	2,761	1,566	573	993
Wayne						
Clay	0	1	28	28	28	0
Dolostone	3	0	727	402	18	384
Glacial Till	0	5	25	25	25	0
Limestone	1	0	33	33	0	33
Sand and Gravel	32	68	2,597	1,525	740	785
Topsoil	0	1	1	1	1	0
County Totals	36	75	3,411	2,013	811	1,202
Westchester						
Emery	0	2	15	15	15	0
Glacial Till	0	1	8	8	8	0
Sand and Gravel	0	7	22	32	32	0
Shale	1	0	4	4	3	1
County Totals	1	10	49	59	58	1

Mine Commodities 2018

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Wyoming						
Clay	0	1	8	8	8	0
Sand and Gravel	23	31	949	518	318	200
Topsoil	0	1	15	15	15	0
County Totals	23	33	972	541	341	200
Yates						
Clay	1	1	35	30	21	9
Glacial Till	0	2	0	2	2	0
Salt	0	1	0	50	50	0
Sand and Gravel	11	10	377	310	177	138
County Totals	12	14	412	392	250	147
State Totals	1,850	3,055	143,456	96,553	37,355	59,237

Mines With Final Reclamation During 2018

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Broome						
Chenango	Alfred Gorick Co Inc	70498	Route 12 Mine	Sand and Gravel	7/20/2018	23.9
Conklin	Decker, Kenneth	70867	D&D Bluestone Quarry	Bluestone	9/11/2018	14.7
Sanford	Bishop, David	71051	Oquaga Realty Quarry	Bluestone	6/14/2018	1.0
Chautauqua						
Portland	Betts, Stanton and Patricia	90774	Webster Road Site	Sand and Gravel	6/20/2018	9.5
Ripley	Eimers, James R	91011	McCutcheon Gravel Pit	Sand and Gravel	11/9/2018	5.0
Chemung						
Big Flats	Roy, Milton Jr	80700	Sing Sing Rd Pit	Sand and Gravel	7/11/2018	42.4
Chenango						
Mcdonough	Avnei Goziz, LLC	71029	State Route 220 Quarry	Bluestone	6/21/2018	1.0
Columbia						
Ancram	Double D Development LLC	40537	Bryant Mine NYS 82	Sand and Gravel	7/11/2018	29.9
Delaware						
Hancock	Chilewski, C. Thomas	40768	Centerville Quarry	Bluestone	6/8/2018	10.0
Dutchess						
Northeast	Palmer, Florian A	30106	Northeast mine	Sand and Gravel	8/8/2018	8.0
Erie						
Concord	Cold Spring Construction Company	90981	Hofmann South Borrow Site	Sand and Gravel	7/18/2018	3.5
Essex						
North Hudson	North Hudson, Town of	50745	Highway Pit	Sand and Gravel	9/18/2018	5.0
Schroon	Shiell, Larry George	50234	Schroon Gravel Mine	Sand and Gravel	10/15/2018	5.0
Franklin						
Bangor	Rabideau, Stephen	51049	Martin Pit	Sand and Gravel	6/19/2018	4.5
Burke	Rainbow Quarries Inc	50386	Rainbow Quarry	Sandstone	10/29/2018	15.0
Fulton						
Perth	Putman, Roger	50605	Puthaven Farm Sand Pit	Sand and Gravel	6/15/2018	18.6
Greene						
Catskill	Working Lands Investment Partners	40415	Mclaren Road Pit	Shale	6/13/2018	10.5
Hamilton						
Indian Lake	Locke, Dan	50547	Dan Locke Pit	Sand and Gravel	8/16/2018	4.6

Mines With Final Reclamation During 2018

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Jefferson						
Champion	Denmark, Town of	61098	Mangan Pit	Sand and Gravel	6/27/2018	5.0
Leray	Branon, Terrence P	60254	Branon Gravel Pit	Sand and Gravel	4/2/2018	11.0
Leray	Meeks Trucking & Plowing	61112	Meeks Pit #2	Topsoil	10/29/2018	19.7
Watertown	Torrington Industries	60077	Watertown Sand And Stone	Sand and Gravel	10/26/2018	48.0
Madison						
Lincoln	RB Marketing Group Inc	70252	Boyles Borrow Pit - Creek Road	Sand and Gravel	6/4/2018	4.9
Stockbridge	Oneida Indian Nation	70398	Pratts Sand And Gravel - Pratts Roa	Sand and Gravel	10/25/2018	25.0
Oneida						
Rome	Lanz Construction Inc	60471	Rickmeyer Road	Sand and Gravel	8/2/2018	3.0
Onondaga						
Marcellus	Bishop Hill Ventures LLC	70095	Harrison Mine	Sand and Gravel	6/29/2018	1.0
Orange						
Wallkill	NY86 Associates LLC	30567	Wallkill Park West	Sand and Gravel	9/7/2018	9.0
Orleans						
Albion	Poverty Hill Properties LLC	80399	Carr Mine	Sand and Gravel	8/14/2018	8.5
Otsego						
Maryland	John Tausel and James Tausel	40395	J&J Tausel Mine	Sand and Gravel	4/26/2018	15.0
Putnam						
Kent	Kent Materials LLC	30670	Kent Materials Rte 52 Quarry	Gneiss	12/12/2018	12.9
Schuyler						
Hector	Diliberto, Andrew	80818	Diliberto Mine	Sand and Gravel	1/23/2018	3.5
Steuben						
Corning City	Gridley Excavating, LLC	80821	Gridley South Corning Gravel Mine	Sand and Gravel	8/3/2018	4.0
Woodhull	Woodhull, Town of	80622	Strauss Pit	Sand and Gravel	3/21/2018	5.6
Sullivan						
Bethel	Gala Sand & Gravel Inc	30046	Gail Rd	Sand and Gravel	9/7/2018	27.0
Mamakating	D B Roe Enterprises Inc	30640	Reinhardt Farm	Sand and Gravel	9/7/2018	12.0

Mines With Final Reclamation During 2018

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Tioga						
Candor	Candor, Town of	70940	Candor Catatonk Mine	Sand and Gravel	9/12/2018	15.5
Owego	Steen, Roger	70874	Steen Mine	Sand and Gravel	9/12/2018	1.5
Richford	Berkshire, Town of	70877	Town of Berkshire Pit #2	Sand and Gravel	5/16/2018	1.5
Warren						
Glens Falls	Jointa Galusha LLC	50017	Jointa-Lime mine	Limestone	7/24/2018	21.0
Wyoming						
Pike	Walkley, Lincoln	90172	Westwind Aggregates Mine	Sand and Gravel	8/22/2018	28.0