



NEW YORK
STATE OF
OPPORTUNITY™

**Department of
Environmental
Conservation**

NEW YORK STATE OIL, GAS AND MINERAL RESOURCES 2019

DIVISION OF MINERAL RESOURCES

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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
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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 95,635 miles to perform 7,590 inspections.

Permits and Completions

Gas:	Permits	0	Completions	0
Oil:	Permits	180	Completions	137
Other:	Permits	8	Completions	11
Total:	Permits	188	Completions	148

Wells Plugged (All Types)	–	205
Wells Plugged by Operators		90
Wells Plugged by DMN		95
Wells Plugged by USEPA		20

Wells Reported (All Types) – 14,897

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

Production and Market Value

Gas	11.1 bcf	Value up	~5%
Oil	277,232 bbl	Value up	~23%
Total O&G Market Value	\$44.2 million		

State Leasing – 76 total leases were in effect covering 35,846 acres; 216 producing wells associated with 63 leases paying production royalties.

Revenues from Oil and Gas

State Revenues	\$161,535
Local Govt. Taxes (est.)	\$1.3 million
Landowner Royalties (est.)	\$5.5 million

Underground Natural Gas Storage – 27 facilities were 78% 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 1.87 billion gallons of brine.

Financial Security – In 2019, New York held \$20.26 million to guarantee well plugging and site reclamation.

Mined Land Reclamation

Inspections – Staff traveled 121,110 miles to perform 1,965 mine inspections.

Permits Issued

New Permits	16
Renewals and Modifications	393
Total Permits	409

Active Mines 1,821

Estimated Economic Impact \$4.98 Billion

Annual Regulatory Fees \$4.13 Million

Common Mine Types

Sand & Gravel	1,456
Bluestone	96
Limestone	88

Owner Type

Industry	1,470
Town	314
County	31
State	6

Net Affected Acreage 49,512

Life-of-Mine Acreage 130,796

Reclaimed Acreage, 2019 774

Reclaimed Since 1975 38,774

Financial Security – In 2019, New York held \$303.4 million to guarantee mine site reclamation.

Oil, Gas and Solution Mining

2019 Summary & Trends

Production, Market Value and Economic Impact

New York State natural gas production in 2019 was 11.1 billion cubic feet (bcf), up approximately 5% from the previous year. Trenton-Black River production was about the same as 2018 at 2.6 bcf, accounting for about 24% of 2019 gas production. Gas production from the Medina decreased by nearly 2% to 5.5 bcf, accounting for nearly 50% of 2019 gas production. Oil production increased approximately 23% from the previous year to 277,232 barrels (bbls) in 2019.

The oil and gas produced in New York State in 2019 is valued at an estimated \$44.2 million. Approximately \$1.3 million was generated for local government taxes and nearly \$5.5 million was generated in royalties for landowners.

Wells

In 2019, New York well operators reported 14,897 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 2019 total include underground gas storage, solution salt mining, geothermal, brine disposal, monitoring, and stratigraphic. The total number of completed wells increased 90% from the previous year to 148.

In 2019, a total of 194 operators reported 2,971 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 2019, New York held \$20.26 million in financial security to guarantee well plugging and site reclamation.

Regulatory Activity

In 2019, DEC's Division of Mineral Resources (DMN or Division) issued 188 drilling permits, and operators plugged 90 wells in accordance with DMN-issued plugging permits. In addition, 95 abandoned wells were plugged by DMN and 20 abandoned wells were plugged by the U.S. Environmental Protection Agency (EPA). Total drilled depth of the wells for the year was approximately 220,150 feet (or almost 42 miles).

No compulsory integration hearings were conducted in 2019.

Division of Mineral Resources' Oil and Gas staff traveled 95,635 miles to perform 7,590 inspections in 2019. 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 threats 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 188 permits; up 107% from 2019:

- 180 oil
- 5 brine
- 3 stratigraphic

In 2019, DMN issued permits for wells in six counties; the top three based on total permits were Cattaraugus (177), Wyoming (4), and Chautauqua (3).

- Oil well drilling permits were issued for Cattaraugus (177), and Chautauqua (3) counties.
- Brine well permits were issued for Wyoming (4) and Schuyler (1) counties.
- Two stratigraphic well permits were issued for Queens County and one for Tomkins County.

Well Spuds and Completions

- The number of wells spud (started) in 2019 was 169.
- The total number of completions increased 90% from 78 in 2018 to 148 in 2019.
- There were no gas wells completed in 2019.
- Oil well completions increased 120% from 62 in 2018 to 137 in 2019.
- Completions for other regulated well types in 2019 totaled 11.

Inspections

In 2019, Oil and Gas staff performed 7,590 inspections, up approximately 59% from 2018. The increase of 2,802 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 vehicles available to conduct inspections.

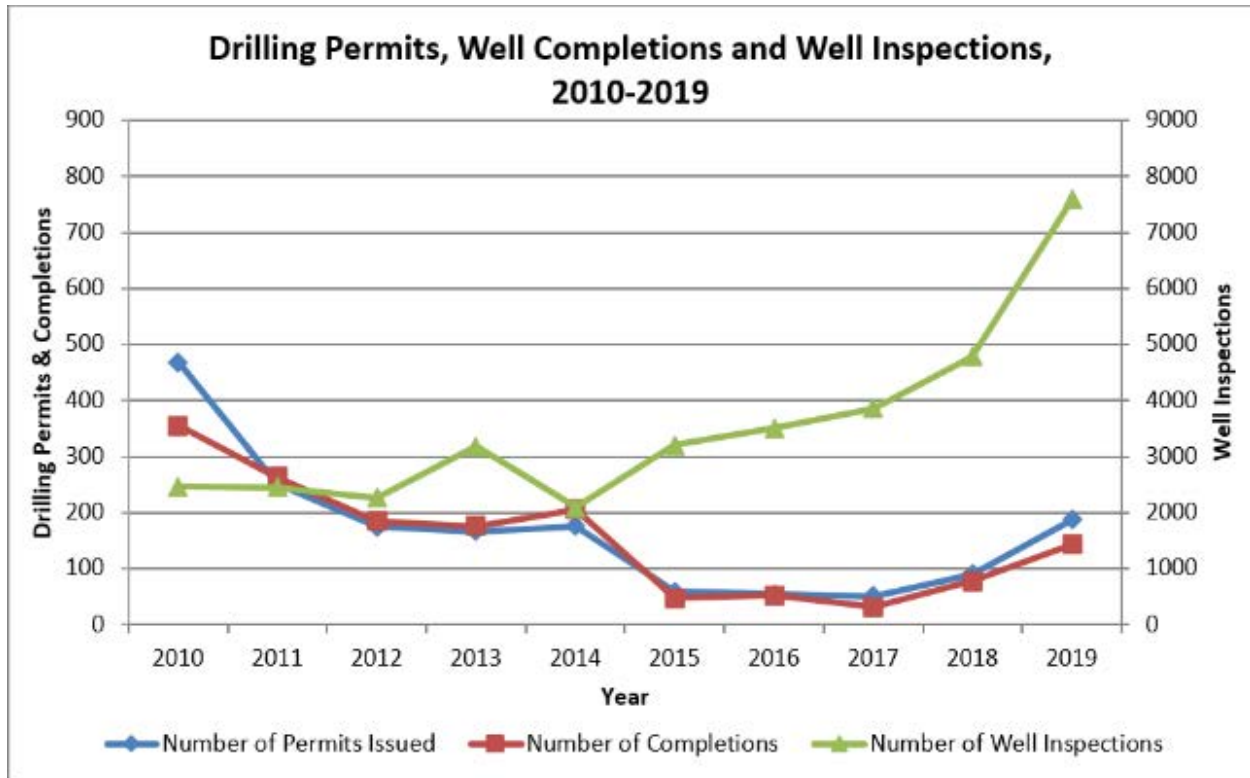


Figure 1 - Drilling Permits, Well Completions and Well Inspections, 2010-2019

Oil & Gas Production

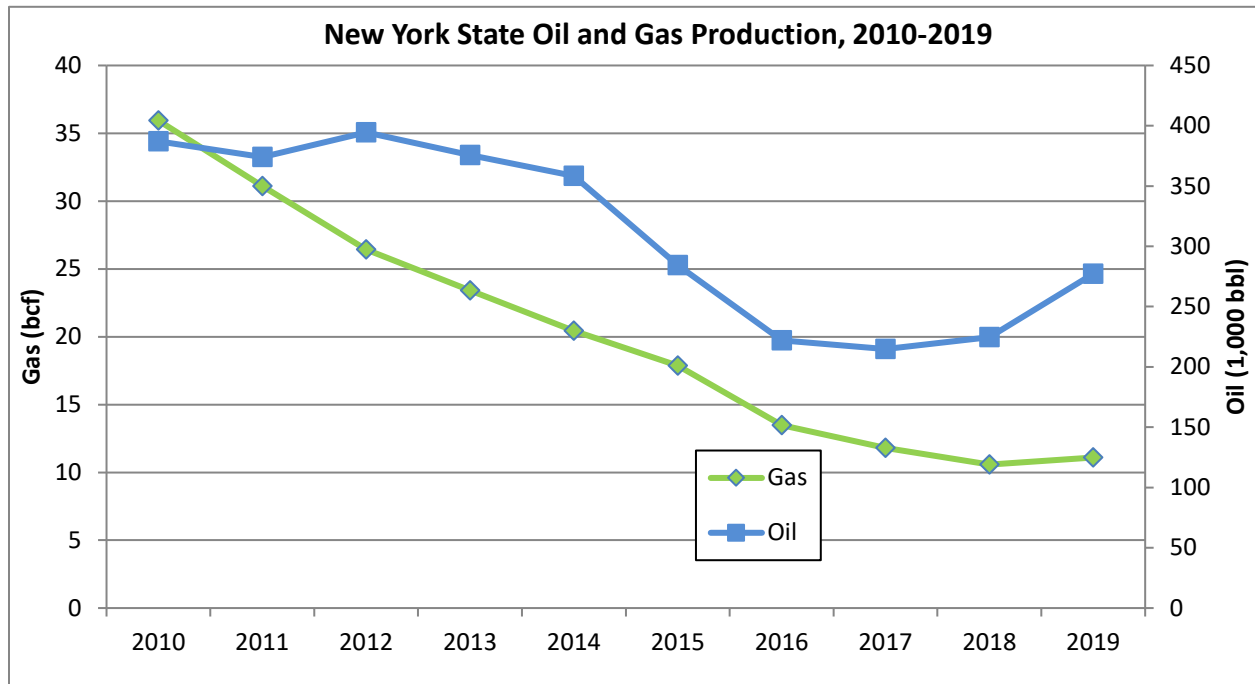


Figure 2 - New York State Oil and Gas Production, 2010-2019

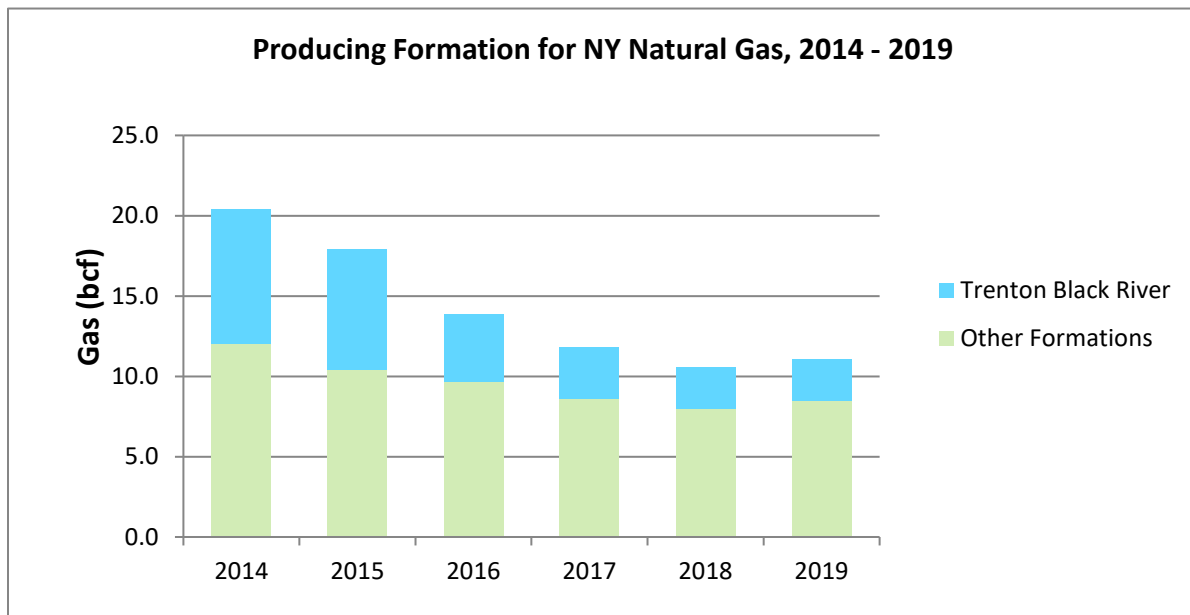


Figure 3 - Producing Formations for New York Natural Gas, 2014-2019

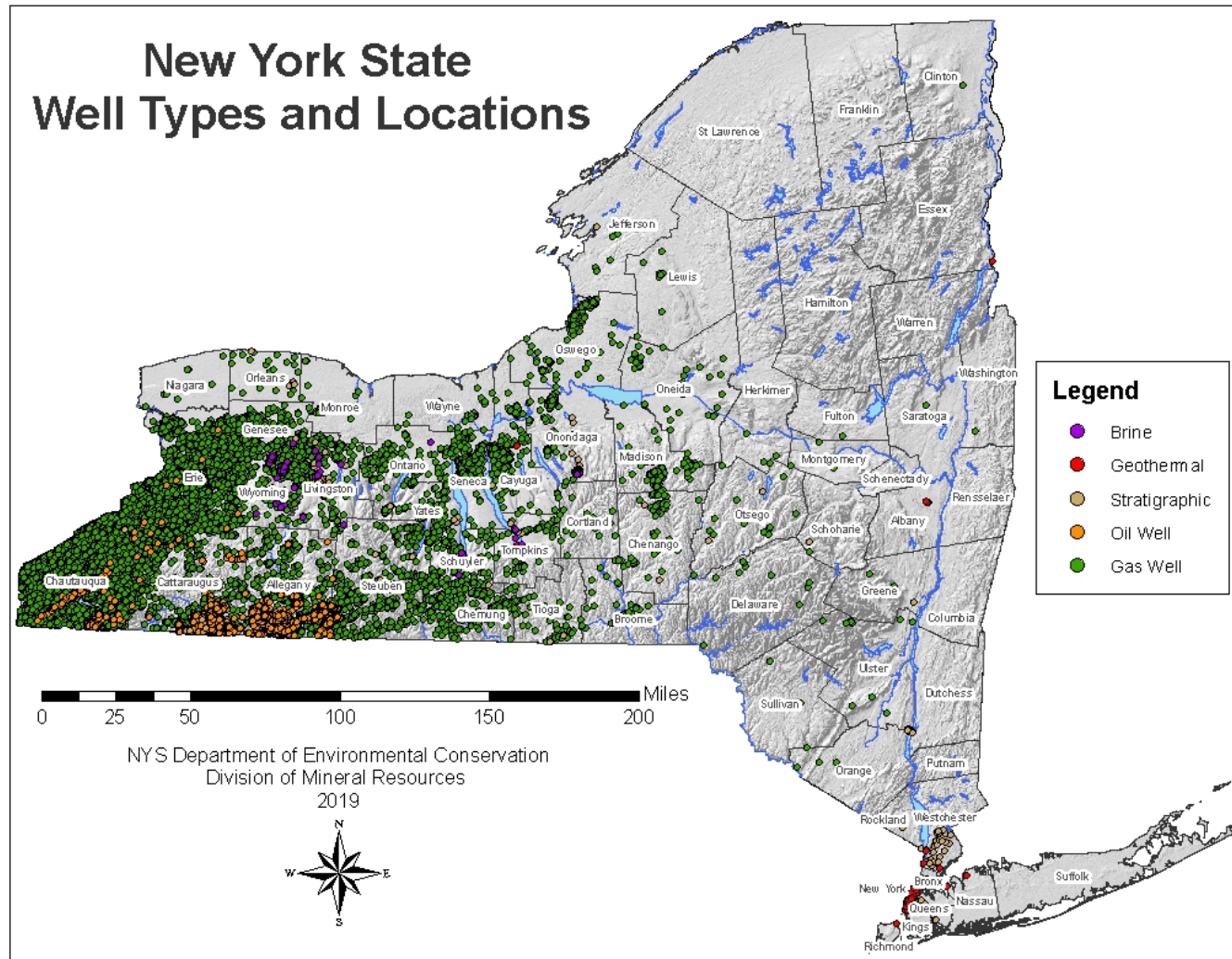


Figure 4 - Map of Well Types and Locations

State Land Oil and Gas Leasing

Production Leasing

In 2019, DMN administered 76 leases on 35,846 acres of state land in Allegany, Cattaraugus, Cayuga, Chautauqua, Chemung, Chenango, Erie, Ontario, Schuyler, Seneca, and Steuben counties. Sixty-three of the 76 leases were production leases, with 216 wells located on and/or unitized with state land paying production royalties. The remaining 13 were gas storage leases paying storage rental fees.

Revenues from the state's 63 oil and gas production leases on state lands totaled \$53,488 in 2019, a decrease of over \$ 146,900 from 2018. The decrease in production lease revenue paid to the state from the previous year is attributed primarily to decreases in oil and gas production volumes, lower market prices, and modifications to internal accounting practices.

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.

Storage Leasing

There are currently 13 active gas storage leases managed by the Division. Revenues from these storage leases for wells on state lands totaled \$108,047 in 2019, an increase of \$103,270 from 2018. The increase was due primarily to receipt of late payments from the previous year, modifications to internal accounting practices, and minor accounting corrections associated with one of the National Fuel Gas Supply Corporation (NFG) leases where acreage changes were corrected.

At the request of Columbia Gas Transmission, LLC (Columbia), the Division agreed to negotiate a replacement lease for Columbia's Greenwood Storage Facility. The original 30-year lease, executed in 1969, expired on its own terms on March 31, 2019. The facility encompasses 1,492.3 acres of state lands in Rock Creek and Greenwood State Forests, and utilizes nine wells to store natural gas in the Oriskany Formation. A two-year interim lease is under development and will bridge the gap between the expired original lease and a new long-term lease that will provide better terms for the state, including increased annual revenues.

In late 2019, Division staff contacted NFG to open discussions for the replacement of two expired storage leases associated with NFG's Collins and Zoar Valley Storage Fields. The leases provide revenue to the state for gas storage under lands (roadways) administered by the NYS Department of Transportation (DOT) within the storage field buffers.

State Acreage under Lease at Year-End 2019

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

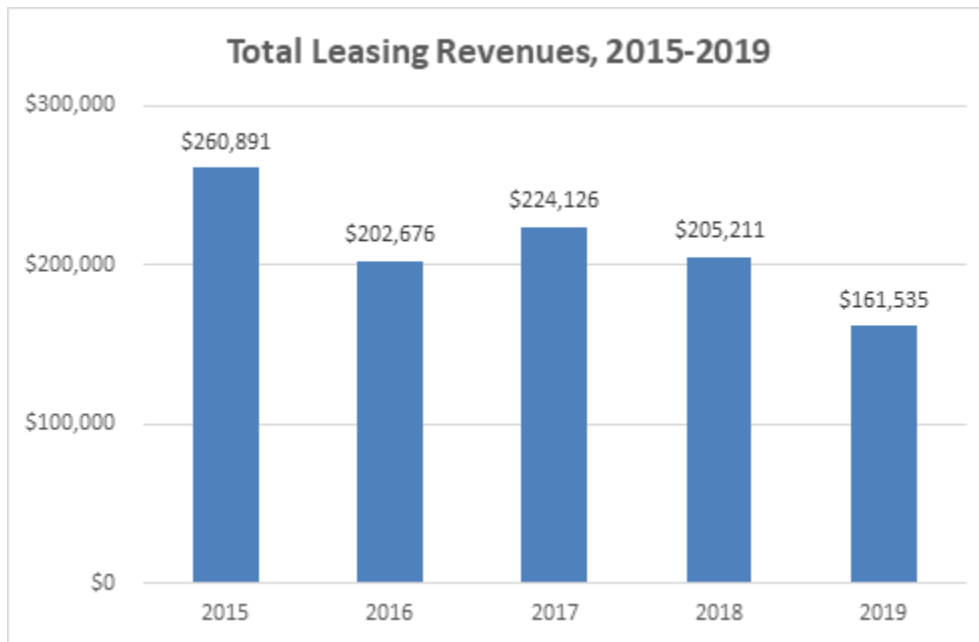


Figure 5 - Total Leasing Revenues, 2015-2019

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.

2019

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: 87.4 bcf injected, 75.4 bcf withdrawn
- Maximum daily deliverability: 2.76 bcf
- Working gas capacity: 130.3 bcf
- Storage at year-end: 191.3 bcf
- Storage capacity in use at year-end: 78%

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 one 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: 185.3 million gallons
- Utilization: 216.1 million gallons injected; 224.7 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. The state's salt deposits occur layered with shale, dolomite, and anhydrite in the lower part of the Silurian 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 - 2019

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: 323
- Unplugged wells at current facilities: 152
- Volume injected: 1.90 billion gallons
- Volume withdrawn: 1.87 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.



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 2019, DMN held \$20.26 million in financial security to guarantee well plugging and well site reclamation.

Plugging Permits

In 2019, operators plugged 90 wells in accordance with requirements in DMN-issued plugging permits. Of the 90 wells plugged in 2019:

- 50 (56%) of the plugged wells were oil wells in the oilfields of western New York;
- 30 (33%) were gas wells; and
- 10 (11%) were comprised of a mix of other regulated well types.

Plugging occurred in 12 counties with 50% of the plugging jobs in Cattaraugus County, 9% in Wyoming County, 8% in Allegany County, and the remaining 33% 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 New York State 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 2019, 115 abandoned wells were plugged by DMN or EPA, the majority of which were oil wells and secondary recovery wells (i.e., injection) in Allegany and Cattaraugus Counties.

The 115 abandoned wells were distributed over 6 counties:

- Allegany (72 oil and secondary recovery wells plugged; 63% of total);
- Cattaraugus (20 oil well plugged; 17% of total);
- Oswego (11 gas wells plugged; 9% of total);
- Steuben (9 gas wells plugged; 8% of total);
- Erie (2 gas well plugged, 2% of total); and
- Ontario (1 gas well plugged; 1% of total).

Of the 115 abandoned wells plugged by DMN or EPA in 2019:

- 95 were plugged by DMN
 - 72 (76%) were oil and secondary recovery wells in Allegany County; and
 - 23 (24%) were gas wells in Oswego, Steuben, Erie, and Ontario counties.
- 20 were plugged by EPA
 - 20 wells (100%) were oil wells in Cattaraugus County.

EPA Well Plugging

In 2019, DMN staff continued working with the EPA 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, EPA has undertaken several plugging projects in New York State since 2005. In 2019, EPA plugged 20 oil wells in the Town of Carrollton, Cattaraugus County. In conjunction with the well plugging effort, the well sites were 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. In 2019, funding from the Oil and Gas Account was used to plug two wells and supplement additional plugging efforts as needed. At year-end 2019, the account held \$43,227.

Schreiner Well Plugging Project

Town of Aurora, Erie County
2 Gas Wells

The Schreiner Plugging Project (Contract PO0020319) consists of two gas wells located in the Town of Aurora. During March 2019, the contractor completed plugging operations on the Mill 832 (API 31-029-14423-00-00) and the Mill 833 (API 31-029-14424-00-00). These wells targeted the Medina Formation and had recorded depths of 1,805 and 1,860 feet, respectively. Both well sites were graded and reclaimed, but left unseeded at the land manager's request.



Photo 1 – Left, plugging of Mill 832 in progress. Right, Mill 833 well site reclaimed.

New York Works Well Plugging Initiative

The State's fiscal budget for the 2019-2020 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 reclaimed to match adjacent areas. Building on its successes from previous years, in 2019, 93 wells were plugged under seven DEC-initiated NYWWPI well-plugging projects.

Ontario County 1 Well Plugging Project

*Towns of Bristol, South Bristol, Canandaigua, East Bloomfield, and Richmond, Ontario County
1 Gas Wells Plugged in 2019*

The project included 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 ranging from 884 feet to 3,850 feet. Four wells included in the project were leaking natural gas, which is an environmental threat and potential public safety hazard. Well plugging operations began in August 2018, and five wells were plugged in 2018. The final well was plugged and reclaimed in September 2019.



Photo 2 – Weaver Fee 1 (API 31-069-02213-00-00) – Left, well in 2016 prior to plugging. Right, well site after plugging and initial reclamation.

Thornton-Bradley/Warfield Well Plugging Project

*Towns of Alma and Willing, Allegany County
40 Oil or Injection Wells*

The project consisted of the plugging of 40 abandoned oil/injection wells located in Allegany County. Between 1946 and 1953, the wells were drilled to depths ranging from 964 feet to 1,209 feet. Many of these orphaned wells were located near wetlands and lacked adequate wellheads to control flow. The contract was finalized in January 2019, and well plugging operations began in March 2019. All plugging and reclamation operations were completed by August 2019.



Photo 3 - Warfield 138 (API 31-003-65464-00-00) – Left, well prior to plugging. Right, well site after reclamation.

Rte. 417 Well Plugging Project

*Town of Bolivar, Allegany County
10 Oil or Injection Wells*

The project included the plugging of 10 abandoned oil or injection wells located along Rte. 417 in the Town of Bolivar, Allegany County. Prior to well plugging, several wells were continuously leaking fluid, impacting the surrounding areas. Plugging operations began in May 2019 and were completed in October 2019.



Photo 4 – Left, Rte. 417 8 (API 31-003-68679-00-00) prior to plugging submerged in a creek.
Right, Rte. 417 14 (API 31-003-56206-00-00) prior to plugging.

Steuben Well Plugging Project

*Towns of Greenwood, Rathbone, Canisteo, Avoca, and West Union, Steuben County
9 Gas Wells Plugged in 2019*

The project includes 10 abandoned gas wells located throughout Steuben County. Between 1931 and 1954, the wells were drilled to depths ranging from 845 feet to 3,747 feet. In December 2018, plugging operations began on the first well. Complications were encountered due to limited well records, poor downhole conditions, and shallow gas formations. In 2019, nine of the 10 wells were successfully plugged. DMN expects to conclude operations in 2020.



Photo 5 – Schultz 1 (API 31-101-00076-00-00) - Left, well in wetland prior to plugging. Center, rig setup during well plugging. Right, well site after reclamation.



Photo 6 - Vanzile (API 31-101-04323-00-00) – Left, well in January 2019 prior to well plugging. Right, well site in May 2019 after reclamation.

Sandy Creek/Pulaski Well Plugging Project 1/2

*Towns of Richland, Sandy Creek, and Volney, Oswego County
11 Gas Wells Plugged in 2019*

These projects include 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. As of the close of 2019, a total of thirteen wells have been plugged. Operations are expected to continue into 2020.



Photo 7 – Sanderson (API 31-075-02567-00-00) – Left, well before plugging with open casing . Right, rig setup during well plugging.



Photo 8 - Hollis U1 (API 31-075-61756-00-00) – Left, well plugging in progress. Right, well site after reclamation.



Photo 9 - Lamb Thomas 0 (API 31-075-02447-00-00) well site setup during plugging.

Moore Producing Well Plugging Project

*Town of Bolivar and Genesee, Allegany County
22 Oil or Injection Wells Plugged in 2019*

The project includes the plugging of 78 abandoned oil or injection wells located in Allegany County. Since the wells were drilled prior to the existence of a regulatory framework, limited information is available regarding these wells. The contract allows for the plugging of up to 10 additional wells, if found during project operations, at a fixed unit cost. The well depths are expected to range from 1,100 feet to 1,200 feet. Well plugging operations began in September and 22 wells were plugged in 2019. The project will continue in 2020.



Photo 10 - Curtis Farm 830(G) (API 31-003-69613-00-00) in November 2013.

Mined Land Reclamation

2019 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 2019 at \$1.87 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 2019, New York ranked sixteenth 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 \$4.13 million in regulatory program fees in 2019, which is \$19,000 lower than the amount assessed in 2018.

Types of Mines and Mineral Usage

The most common mine types in 2019 were sand and gravel (1,456), bluestone (96), and limestone (88). In 2019, New York had 1,821 active mines, a decrease of 33 mines from 2018. 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. Nine of the new mining permits issued in 2019, or 56%, were for sand and gravel.

There were 324 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 3.19 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 40,663 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 21 consecutive years. Mine operators continued to replace production by expanding current mines, rather than opening new ones. This downward trend held true for sand and gravel mines, while the total number of permitted hardrock quarries remained nearly the same. Only 16 of the Mined Land Reclamation Permits issued in 2019 were for new facilities.

A total of 49,512 acres were affected by mining in 2019 out of a total approved life-of-mine area of 130,796 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 454 acres reclaimed at 73 operating mines in 2019. Final reclamation of 320 acres occurred at 46 closed mines bringing the 2019 total to 774 acres. Roughly 38,774 acres of land affected by mining have been reclaimed since 1975.

In 2019, DMN held \$303.4 million in financial security to guarantee mine site reclamation.

Inspections

In 2019, Mined Land staff performed 1,965 mine inspections and traveled 121,110 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 16 permits for new mines and 393 renewals or modifications, for a total of 409 permits. Sand and gravel mines were the most common type of newly-permitted mines in 2019.

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, 2015-2019

	2015	2016	2017	2018	2019
New Permits	29	43	21	27	16
Renewals	289	260	228	246	254
Modifications	103	118	169	153	139
Total Permits	421	421	421	426	409

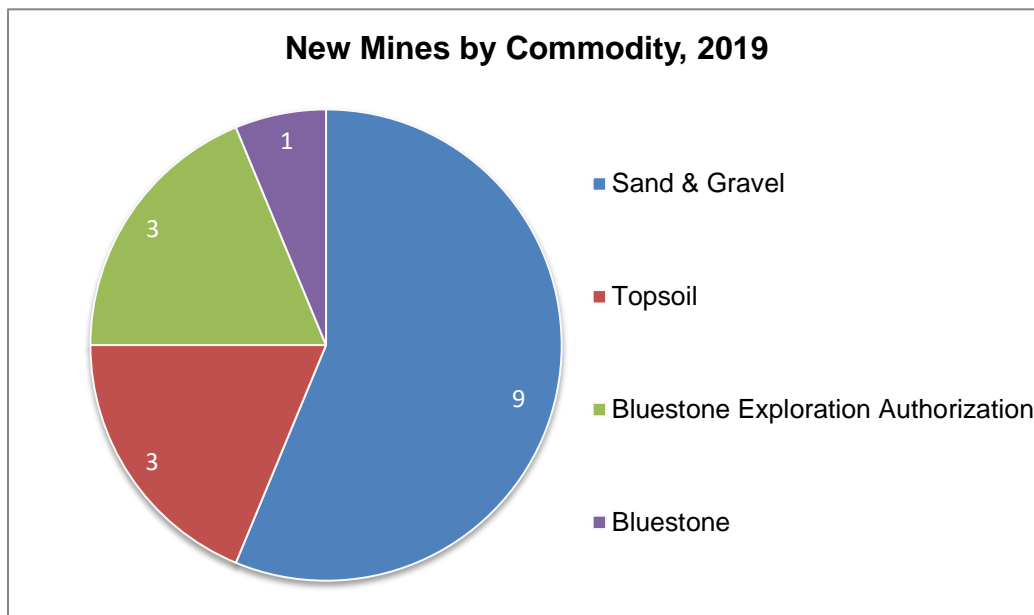


Figure 7 - Chart of New Mines by Commodity, 2019

Mines in New York

Owner Type

There are 1,821 active mines as shown on the following map. In 2019, industry operated 1,470 mines or 81% of the mines in New York State. Governmental entities operated the remaining 351 mines or 19%, as follows. Towns, villages, and other small local government entities operated 314 mines, and 31 mines were county-owned and operated. New York State agencies operated six mines. Most of the government-operated 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 2019 ranged in life-of-mine acreage from 1 to 13,579 acres. However, new mines are often smaller; about 56% of new mines permitted in 2019 were 10 acres or less in size. The largest new mine was the 99.7-acre Curran Logging Inc. – Van Kennen Topsoil in St. Lawrence County.

The following tables provide 2015-2019 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 and 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 has been a slight increase in the total number of mines with more than 30 acres affected and since 2015 there has been an increase in the total number of mines ranging between 5 and 10 acres in size.

The minor projects in the first row of Table 2 below 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 from the mine floor to the top of the mine face; 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, 2015-2019

	2015	2016	2017	2018	2019
Minor Projects	48	47	39	38	32
0 to 5 Acres	534	516	488	467	448
> 5 to 10 Acres	426	436	437	451	438
> 10 to 20 Acres	416	409	409	400	401
> 20 to 30 Acres	163	165	163	161	166
> 30 Acres	342	335	336	337	336
Total Mines	1,929	1,908	1,872	1,854	1,821

Table 3 - Counties with Highest Percentage of Acreage Permitted by Mining, 2019

County	Population Center Nearby	Active Mines	Net Affected Acreage	Land Percent
Onondaga	Syracuse	35	2,253.56	0.44%
Genesee	Rochester	17	1,362.2	0.43%
Albany	Capital/Tri-City	20	1,460.43	0.43%
Rensselaer	Capital/Tri-City	47	1,820.01	0.43%
Rockland	New York City	3	495	0.39%
Ontario	Rochester	34	1,526.74	0.36%
Dutchess	New York City	41	1,776.82	0.34%
Wayne	Syracuse	36	1,206.8	0.31%
Niagara	Buffalo	11	1024	0.30%
Erie	Buffalo	40	2,020.5	0.30%
Saratoga	Capital/Tri-City	59	1,568.51	0.29%

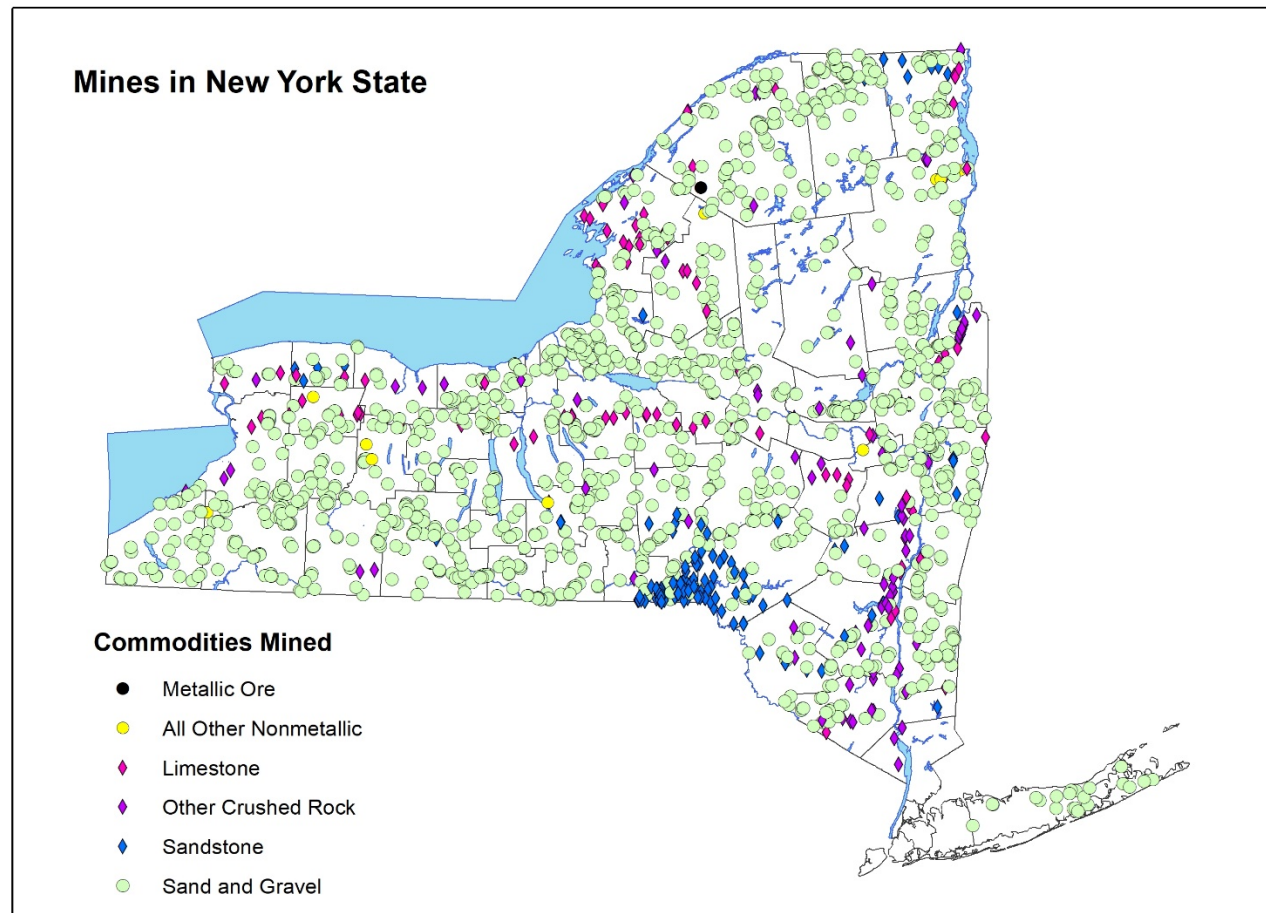


Figure 8 - Map of Mines in New York State

Table 4 - Number of Permits, Acreage and Reclaimed Acreage by County, 2019

County	2019 New Permits		Total Permits		Concurrent Reclamation	Final Reclamation	Total Reclaimed
	Number	Acres ¹	Number	Acres ¹	Acres	Acres	Acres
Albany	0	0	20	1,460.43	0	0	0
Allegany	1	12.2	31	488.54	7.6	0	7.6
Broome	2	2	71	867.5	0.5	2	2.5
Cattaraugus	0	0	61	1,927.78	39	18.9	57.9
Cayuga	0	0	13	309.13	0	3	3
Chautauqua	0	0	41	638.1	5.2	27.2	32.4
Chemung	0	0	20	289.86	4	0	4
Chenango	1	1	40	790.03	2.3	0	2.3
Clinton	1	4.8	62	1,074.5	3.8	9	12.8
Columbia	0	0	24	914.24	12.95	0	12.95
Cortland	0	0	18	320.93	0	3	3
Delaware	1	1.89	60	728.51	8.45	6.8	15.25
Dutchess	0	0	41	1,776.82	0.4	13.5	13.9
Erie	0	0	40	2020.5	5.1	7.5	12.6
Essex	0	0	41	883.13	0.5	0	0.5
Franklin	0	0	63	609.86	7	4.5	11.5
Fulton	0	0	27	433.1	0	0	0
Genesee	0	0	17	1,362.2	0	0	0
Greene	0	0	16	966.15	0	0	0
Hamilton	0	0	13	91.79	0	3.2	3.2

County	2019 New Permits		Total Permits		Concurrent Reclamation	Final Reclamation	Total Reclaimed
	Number	Acres ¹	Number	Acres ¹	Acres	Acres	Acres
Herkimer	0	0	40	1,311.04	7.42	0	7.42
Jefferson	1	4.63	58	1,535.96	74.7	4.4	79.1
Lewis	1	5	31	609.96	0	7.1	7.1
Livingston	0	0	21	736.57 ²	26	0	26
Madison	0	0	21	493.19	0	0	0
Monroe	0	0	11	658.15	13.7	0	13.7
Montgomery	0	0	7	619.75	0	0	0
Nassau	0	0	0	0	0	0	0
Niagara	0	0	11	1024	0	0	0
Oneida	0	0	56	1,076.69	1	0	1
Onondaga	0	0	35	2,253.56	1.7	60	61.7
Ontario	0	0	34	1,526.74	3.7	0	3.7
Orange	0	0	33	589.61	0	0	0
Orleans	0	0	18	596.75	33.1	0	33.1
Oswego	5	27.28	97	1,587.6	40.5	12	52.5
Otsego	0	0	30	422.16	17.87	1	18.87
Putnam	0	0	2	61.3	0	0	0
Rensselaer	0	0	47	1,820.01	13.87	7.64	21.51
Rockland	0	0	3	495	0	0	0
Saratoga	1	4.75	59	1,568.51	4.2	12	16.2

County	2019 New Permits		Total Permits		Concurrent Reclamation	Final Reclamation	Total Reclaimed
	Number	Acres ¹	Number	Acres ¹	Acres	Acres	Acres
Schenectady	0	0	8	215.77	1	0	1
Schoharie	0	0	16	588.61	2	0	2
Schuyler	0	0	11	250.46	0	0	0
Seneca	0	0	5	599.5	0	0	0
St. Lawrence	2	24.8	93	1,776.26	29.8	55.3	85.1
Steuben	0	0	69	1,753.77	36	0	36
Suffolk	0	0	23	1,216.05	0	0	0
Sullivan	0	0	23	1,124.81	1	8	9
Tioga	0	0	25	746.11	31.2	9.7	40.9
Tompkins	0	0	16	342.67 ²	3	0	3
Ulster	0	0	44	749.55	7.4	16.3	23.7
Warren	0	0	32	695.81	0	0	0
Washington	0	0	52	962.13	5.1	19.7	24.8
Wayne	0	0	36	1,206.8	0	0	0
Westchester	0	0	1	1	0	0	0
Wyoming	0	0	22	195.5	3.4	8	11.4
Yates	0	0	12	147.09	0	0	0
Statewide	16	88.35	1,821	49,511.54	454.46	319.74	774.2

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) counties.

Reclamation

Every permitted mine in New York State 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 2019 include the following.

Final Site Reclamation Completed by Permittee

Final Reclamation - Region 3: Vincent Sand & Gravel Company LLC - Vincent Sand & Gravel Mine

Town of Dover, Dutchess County (30056)

Final reclamation approval was given for the 55-acre sand and gravel mine in May 2019. The permittee graded the slopes, placed topsoil, and vegetated the site to meet the final reclamation objective of a pond surrounded by a meadow.



Photo 11 - Vincent Sand & Gravel Mine- Final reclamation pond surrounded by vegetated slopes.

Final Reclamation - Region 3: Town of Rochester - Airport Road Mine and Route 209 Mine

Town of Rochester, Ulster County (30077 and 30569)

Final reclamation approval was given for the 18-acre Airport Road and the 6.8-acre Route 209 sand and gravel mines in November 2019. The permittee graded the slopes, placed topsoil, vegetated perimeter slopes and reclaimed the mine floors to two independent two-megawatt solar panel arrays.



Photo 12 - Town of Rochester Mines Reclaimed to Solar Panels – Left, Airport Road Mine. Right, Route 209 Mine.

Final Reclamation – Region 4: Cowee Forest Products, LLC – Northeast Pit and Southwest Pit

Town of Berlin, Rensselaer County (40662 and 40663)

Final reclamation approval was given for a combined total of 6.15 acres at the Northeast and Southwest pits in July 2019. The permittee graded the slopes, placed topsoil, and vegetated the sites to achieve the grassland meadow reclamation objective.



Photo 13 – Southwest Pit – Left, prior to reclamation. Right, after final reclamation.

Final Reclamation – Region 5: Allan Fewster - ALM Minerals Mine Town of Mooers, Clinton County (51008)

Town of Mooers, Clinton County (51008)

Final reclamation approval was given to the 6.3-acre sand and gravel mine in August 2019. The permittee graded the slopes, replaced topsoil, and revegetated the site to meet the grassland reclamation objective.



Photo 14 – ALM Minerals – Grassland reclamation.

Final Reclamation - Region 9: Teddy and Beverly Lebaron - Snobelt Farms Gravel Mine

Town of Charlotte, Chautauqua County (90720)

Final reclamation approval was given for the 13.7-acre sand and gravel mine in August 2019. The permittee graded the slopes, placed topsoil, and planted the site to meet the agricultural cropland reclamation objective. The successful revegetation of the site was readily evident at the time of inspection in that the first cutting of hay was already harvested from the field.



Photo 15 - Snobelt Farms Gravel Mine – Reclaimed hay field ready for second cutting.

Final Reclamation – Region 9: Country Side Sand & Gravel, Inc. – Yoder Gravel Pit

Town of Conewango, Cattaraugus County (90613)

Final reclamation approval was given for the 29.5-acre sand and gravel mine in July 2019. The permittee graded the slopes, placed topsoil, and planted the site to meet the agricultural cropland reclamation objective.



Photo 16 – Yoder Gravel Pit – Final reclamation.

Concurrent Site Reclamation Completed by Permittee

Concurrent Reclamation - Region 4: Charlton Suburban Services, Ltd. – Smith Pit

Town of Glenville, Schenectady County (40475)

In June 2019, DEC gave concurrent reclamation approval for 7.4 acres at the Smith pit. The permittee graded the slopes, placed topsoil, and vegetated the site to meet the meadow reclamation objective. A total of 7.4 acres of the 16.5-acre Life of Mine have been approved reclaimed.



Photo 17 – Smith Pit - Concurrent reclamation with active mine in the background.

Concurrent Reclamation - Region 9: WYCO Construction, Inc. - Quakertown Road Mine

Town of Orangeville, Wyoming County (91052)

In May 2019, DEC gave concurrent reclamation approval for two acres at the Quakertown Road mine. The reclaimed area has been developed into a wind turbine pad and access road, surrounded by vegetated open space. The wind turbine was erected after the initial mining permit was issued and is part of the Orangeville Wind Farm. A total of two acres of the 9.3-acre life of mine have been approved as reclaimed.



Photo 18 - Quakertown Road Mine – Turbine pad and concurrent reclamation.

Site Reclamation Using Seized Financial Security

Site Reclamation Using Seized Financial Security - Region 3: Modena Sand and Gravel - Lembo Apple Mine

Town of Plattekill, Ulster County (30537)

Mined Land staff coordinated with Region 3 Operations staff to perform the reclamation of an abandoned sand and gravel mine using seized financial security. Operations staff graded the mine faces to establish the slopes in accordance with the approved mined land use plan, placed topsoil and hydroseeded the site to establish a vegetative cover. The Division's DEC-Certified UAS (i.e., drone) Operator, Nathan Graber, conducted flights over the site and collected aerial photographs to document site conditions after the reclamation work was completed.



Photo 19 - Lembo Apple Mine - Left, Region 3 Operations staff hydroseeding site, June 2019. Right, final reclamation, October 2019.



Photo 20 - Lembo Apple Mine- Left, overview of site using UAS, July 2019. Right, aerial view of final reclamation. November 2019.

Site Reclamation Using Seized Financial Security - Region 5: William Rozell - Rozell Gravel and Topsoil Pit

Town of Dresden, Washington County (50986)

Mined Land staff coordinated with Region 5 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 to achieve the grassland reclamation objective. A total of 3.5 acres were reclaimed as part of this reclamation project.



Photo 21 — Rozell Pit – Left, prior to reclamation, October 2017. Right, final reclamation, September 2019.

Site Reclamation Using Seized Financial Security - Region 7: Faith G. Phoenix - Bar F Gravel Mine

Town of Cortlandville, Cortland County (70350)

Mined Land staff coordinated with Region 7 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 and mulched to achieve the grassland reclamation objective. A total of 6.9 acres were reclaimed as part of this reclamation project.



Photo 22 — Bar F Gravel Mine – Left, severely eroded mine face prior to reclamation. Right, final reclamation.

Site Reclamation Using Seized Financial Security - Region 7: Leema Excavating, Inc., South Street Mine

Town of Mentz, Cayuga County (70624)

Mined Land staff coordinated with Region 7 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 and mulched to achieve the grassland reclamation objective. A total of three acres were reclaimed as part of this reclamation project.



Photo 23 – South Street Mine - Left, severely eroded mine face prior to reclamation. Right, Region 7 Operations staff grading the mine face to establish the final slopes.

Site Reclamation Using Seized Financial Security - Region 9: Man O' Trees - Walton Pit

Town of Wethersfield, Wyoming County (90527)

Mined Land staff coordinated with Region 9 Operations, the property owner Sivue Farms, and the Job Order Contractor Pike Company, to perform the reclamation of an abandoned sand and gravel mine using seized financial security. Sivue cleared and grubbed the site and provided a source of adequate cover material to replace topsoil that had been removed from the site. Pike ripped the subsoil to reduce compaction, graded the site, and spread the topsoil. Sivue planted the affected area with a cover crop and the site was incorporated into the surrounding agricultural fields. DEC approved the final reclamation of eight acres in September 2019.



Photo 24 - Walton Gravel Pit- Final Reclamation.

Site Reclamation Using Seized Financial Security - Region 9: Joseph Frey - Billo Road Pit

Town of Newstead, Erie County (90429)

Mined Land staff coordinated with Region 9 Operations staff and the Job Order Contractor, Pike Construction, to perform reclamation work at the abandoned sand and gravel mine using seized financial security. Pike graded the mine faces to establish the slopes, placed topsoil, and revegetated as per the approved mined land use plan to achieve the grassland meadow reclamation objective. DEC approved the final reclamation of the 27.5-acre mine in September 2019.



**Photo 25 - Billo Road Pit – Top, abandon mine prior to reclamation, May 2017.
Bottom, final reclamation, September 2019.**

New York State Oil, Gas and Mineral Resources, 2019

DIVISION OF MINERAL RESOURCES

OIL AND GAS STATISTICS ¹

(2010 - 2019)

Annual Production

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Oil (1,000 bbl)	387	374	395	375	358	283	222	215	225	277
Gas (mmcf)	35,938	31,109	26,424	23,405	20,438	17,919	13,486	11,809	10,579	11,090

Well Statistics

Oil	3,866	3,723	3,545	3,694	4,028	3,959	3,982	3,775	3,411	3,758
Gas	6,841	7,188	7,116	7,119	7,152	6,979	6,862	6,648	6,729	6,721
Inactive Oil	1,535	1,759	1,450	1,887	1,441	1,588	1,572	1,719	1,808	2,008
Inactive Gas	1,096	774	609	735	628	645	725	848	811	692
Storage	960	956	972	962	957	953	951	948	948	947
Active Brine	127	127	136	110	106	120	121	149	147	144
Inactive Brine	23	23	18	21	19	2	2	7	2	3
Water Injection	451	432	305	211	287	318	305	317	342	346
Miscellaneous Monitoring	5	5	5	6	11	10	6	6	6	6
P&A (During Year)	193	146	322	301	234	232	245	179	145	205
Number of Wells	15,097	15,133	14,478	15,046	14,863	14,806	14,771	14,596	14,349	14,830

Drilling & Completions

1. Total Wells Spudded	302	227	171	149	175	49	47	46	83	169
2. Total Wildcats	47	7	10	10	8	2	1	1	0	0
3. Discoveries	282	180	138	114	142	35	29	25	55	126
a. Oil Wildcat	6	0	1	1	0	0	1	0	0	0
b. Gas Wildcat	41	7	6	5	8	2	0	1	0	0
4. Total Dry Holes	4	4	5	4	0	0	0	0	0	0
5. Oil										
Development	178	152	137	124	150	37	28	24	62	137
Extension	0	0	0	1	0	0	0	0	0	0
6. Gas										
Development	56	20	5	4	0	0	0	0	0	0
Extension	1	1	1	0	4	0	0	0	0	0
7. Injection	0	0	0	0	0	0	1	3	0	1
8. Disposal	0	0	0	0	0	0	0	0	0	0
9. Stratigraphic	1	18	3	9	4	0	4	0	1	3
10. Service	0	0	0	0	0	0	0	0	0	0
11. Brine	7	12	8	12	17	9	8	4	13	7
12. Storage	3	0	3	1	1	0	1	0	2	0
13. Geothermal	0	4	2	0	1	0	10	2	0	0
14. Miscellaneous Monitoring	0	0	0	1	5	0	0	0	0	0
15. Suspended wells ²	5	0	9	15	16	18	19	3	14	9
16. Total Completions	302	218	180	177	206	66	72	37	92	157
(3a,3b,4,5,6,7,8,9,10,11,12,13,14,15)										
Footage - Vertical Wells ^{3,4}	670	448	334	246	316	72	70	61	132	220
- Deviated Wells ^{3,4}	132	53	78	46	77	27	5	6	7	6
17. Total Footage Drilled^{3,4}	802	502	412	292	394	99	75	67	139	226

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	1	0	0	0	0
Alma	6,502	4,152	282	25	0	137	99	0	41
Almond	1,026	0	0	1	0	0	0	0	0
Amity	19	35	26	1	3	7	6	0	0
Andover	61,364	6,249	18,549	1	0	165	110	0	0
Angelica	258	0	0	1	0	0	0	0	0
Bolivar	2,940	3,915	7,929	1	7	195	466	2	77
Clarksville	4	138	1,353	0	0	16	38	0	1
Friendship	0	0	0	0	0	0	2	0	0
Genesee	4	1,197	9,219	1	5	96	257	0	104
Granger	101	0	0	1	0	0	0	0	0
Hume	0	0	0	0	1	0	0	0	0
Independence	69,262	4,455	1,548	6	0	340	7	4	0
New Hudson	0	0	0	0	1	0	0	0	0
Rushford	3	0	0	3	0	0	0	0	0
Scio	0	54	27	0	7	10	222	0	57
Ward	3	0	0	3	0	0	0	0	0
Wellsville	4,193	3,218	1,574	0	0	45	65	0	8
Willing	276	304	72	1	1	12	49	0	0
Wirt	2,902	1,422	675	0	0	42	76	0	0
County Total	148,857	25,139	41,254	45	26	1,065	1,398	6	288
Cattaraugus									
Allegany	241,251	132,053	112,073	5	1	835	282	10	15
Ashford	6,451	546	0	19	2	1	0	0	0
Carrollton	98,995	61,642	37,239	1	2	667	58	6	9
Cold Spring	0	0	0	0	4	0	0	0	0
Conewango	125,988	0	64	80	0	0	0	0	0
Dayton	39,665	165	0	41	7	1	1	0	0
East Otto	39,572	0	0	12	3	0	0	0	0
Ellicottville	4,272	0	5	12	0	0	0	0	0
Farmersville	2	0	0	2	0	0	0	0	0
Freedom	2,841	1,651	0	9	2	1	0	0	0
Great Valley	1	0	0	1	0	0	0	0	0
Hinsdale	3	121	22	0	0	4	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									
Leon	131,600	12	6	97	1	0	0	0	0
Little Valley	2	0	0	2	0	0	0	0	0
Machias	249	0	0	2	0	0	0	0	0
Napoli	606	0	0	2	0	0	0	0	0
New Albion	4,758	0	0	7	10	0	0	0	0
Olean	15,602	26,280	12,625	5	0	316	198	0	0
Olean City	1	0	0	0	0	1	0	0	0
Otto	54,724	75	58	62	6	1	0	0	0
Perrysburg	126,936	0	148	53	1	0	0	0	0
Persia	109,674	0	36	95	1	0	0	0	0
Portville	7	55	4	1	1	6	0	0	0
Randolph	72,708	625	25	83	1	2	0	0	0
South Valley	906	0	0	2	0	0	0	0	0
Yorkshire	15,707	0	100	22	2	0	0	0	0
County Total	1,092,521	223,225	162,405	615	44	1,835	539	16	24
Cayuga									
Auburn City	943	0	0	1	0	0	0	0	0
Aurelius	251,392	0	469	141	1	0	0	0	0
Conquest	1	0	0	0	0	0	0	0	0
Fleming	34,761	0	77	31	4	0	0	0	0
Ledyard	176	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	191	0	0	1	0	0	0	0	0
Springport	206,798	0	813	110	9	0	0	0	0
Throop	3,629	0	0	8	1	0	0	0	0
Venice	0	0	0	0	0	0	0	0	0
County Total	497,894	0	1,359	296	21	0	0	0	0
Chautauqua									
Arkwright	62,867	0	585	104	16	0	0	0	0
Busti	149,998	14,815	1,263	125	15	574	39	0	0
Carroll	83,444	0	4	68	4	2	3	0	0
Charlotte	58,653	105	293	123	15	1	1	0	0
Chautauqua	309,552	0	785	327	2	0	0	0	0
Cherry Creek	76,090	0	15	108	15	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
Chautauqua									
Clymer	72,877	807	1,641	117	8	2	2	0	0
Dunkirk	52,828	0	150	37	6	0	0	0	0
Dunkirk City	2,358	0	0	5	2	0	0	0	0
Ellery	60,122	396	325	72	67	9	9	0	0
Ellicott	131,803	0	15	73	6	1	0	0	0
Ellington	156,409	0	56	171	8	0	0	0	0
French Creek	15,664	0	261	59	6	0	0	0	0
Gerry	145,060	1,786	464	138	18	16	4	0	0
Hanover	163,816	0	1,372	141	11	0	0	0	0
Harmony	113,038	0	1,622	111	9	0	0	0	0
Jamestown	2,657	0	12	2	2	0	0	0	0
Kiantone	230,682	0	59	87	0	0	0	0	0
Mina	48,303	0	456	76	2	0	0	0	0
North Harmony	160,882	2,303	1,285	149	16	12	5	0	0
Poland	226,937	78	227	154	6	2	0	0	0
Pomfret	138,575	0	634	165	13	0	0	0	0
Portland	164,865	0	149	145	1	0	0	0	0
Ripley	142,653	0	865	179	3	0	0	0	0
Sheridan	91,840	0	281	85	15	0	0	0	0
Sherman	86,884	0	770	87	5	1	0	0	0
Stockton	122,026	0	494	123	3	0	0	0	0
Villanova	56,335	0	99	70	8	0	0	0	0
Westfield	259,176	0	906	262	5	0	0	0	0
County Total	3,386,394	20,290	15,088	3,363	287	620	63	0	0
Chemung									
Baldwin	0	0	0	0	1	0	0	0	0
Big Flats	222,289	0	512	3	1	0	0	0	0
Catlin	144,269	0	582	4	5	0	0	0	0
Elmira City	238	0	0	1	0	0	0	0	0
Erin	0	0	0	0	7	0	0	0	0
Horseheads	0	0	0	0	2	0	0	0	0
Southport	316,390	0	19,340	5	0	0	0	0	0
Van Etten	138,806	0	853	4	11	0	0	0	0
Veteran	0	0	0	0	7	0	0	0	0
County Total	821,992	0	21,287	17	34	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
Chenango									
Oxford	0	0	0	0	1	0	0	0	0
Plymouth	130,990	0	634	5	1	0	0	0	0
Preston	74,211	0	359	3	1	0	0	0	0
Smyrna	410,549	0	728	34	2	0	0	0	0
County Total	615,750	0	1,721	42	5	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	37,069	0	138	56	11	0	0	0	0
Aurora	4,558	0	1	21	3	0	0	0	0
Boston	46,692	0	100	40	8	0	0	0	0
Brant	71,907	0	280	102	10	0	0	0	0
Buffalo	360	0	0	1	0	0	0	0	0
Cheektowaga	3,700	0	0	12	0	0	0	0	0
Clarence	4	0	0	4	2	0	0	0	0
Colden	4,129	0	0	7	5	0	0	0	0
Collins	217,955	0	65	81	6	0	0	0	0
Concord	94,174	0	3	81	2	0	0	0	0
Eden	74,596	0	410	156	10	0	0	0	0
Elma	30,827	0	0	53	2	0	0	0	0
Evans	60,379	0	330	83	7	0	0	0	0
Hamburg	19,729	0	12	33	8	0	0	0	0
Holland	2	0	0	2	1	0	0	0	0
Lackawanna	178	0	0	1	0	0	0	0	0
Lancaster	24,761	0	0	21	1	0	0	0	0
Marilla	19,325	0	0	29	4	0	0	0	0
Newstead	71,511	0	131	71	3	1	0	0	0
North Collins	207,671	0	795	140	15	0	0	0	0
Orchard Park	20,350	0	0	22	9	0	0	0	0
Sardinia	95,085	0	931	21	0	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	7,654	0	0	42	11	0	0	0	0
West Seneca	8,686	0	0	2	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
Erie									
County Total	1,121,302	0	3,196	1,081	124	1	0	0	0
Genesee									
Alabama	16,208	0	30	21	0	0	0	0	0
Alexander	26,622	0	160	36	0	0	0	0	0
Batavia	28,224	0	310	34	1	0	0	0	0
Bergen	1	0	0	1	0	0	0	0	0
Bethany	6,792	0	1,500	24	4	0	0	0	0
Darien	207,189	0	498	205	29	0	0	0	0
Elba	730	0	0	3	0	0	0	0	0
Le Roy	26,790	0	57	10	2	0	0	0	0
Oakfield	10,968	0	20	13	0	0	0	0	0
Pavilion	5,167	0	43	18	1	0	0	0	0
Pembroke	131,067	0	384	122	0	0	0	0	0
Stafford	1	0	0	1	0	0	0	0	0
County Total	459,759	0	3,002	488	37	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	4,903	0	35	16	2	0	0	0	0
Caledonia	13,670	0	12	44	5	0	0	0	0
Groveland	1	0	0	1	1	0	0	0	0
Leicester	13,210	0	0	21	1	0	0	0	0
Nunda	168	0	0	1	0	0	0	0	0
Ossian	0	0	0	0	1	0	0	0	0
Portage	1	0	0	1	1	0	0	0	0
Sparta	1	0	0	1	0	0	0	0	0
West Sparta	205	0	1	6	1	0	0	0	0
York	11,622	0	165	43	10	0	0	0	0
County Total	43,781	0	213	134	22	0	0	0	0
Madison									
Brookfield	1	0	0	1	0	0	0	0	0
Eaton	1,349	0	0	4	0	0	0	0	0
Lebanon	289,007	0	313	47	5	0	0	0	0
County Total	290,357	0	313	52	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
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	88	0	0	2	0	0	0	0	0
East Bloomfield	29,393	0	0	17	0	0	0	0	0
Geneva	290	0	0	2	1	0	0	0	0
Hopewell	0	0	0	0	0	0	0	0	0
Phelps	0	0	0	0	1	0	0	0	0
Richmond	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	29,775	0	0	25	3	0	0	0	0
Oswego									
Richland	2	0	0	2	0	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	2	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
Tyrone	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	14	0	0	0	0
Seneca									
Fayette	423,309	0	590	154	0	0	0	0	0
Junius	3,442	0	0	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
Seneca									
Seneca Falls	8,857	0	0	8	0	0	0	0	0
Tyre	1,708	0	0	3	0	0	0	0	0
Varick	114,138	0	90	51	0	0	0	0	0
County Total	551,454	0	680	221	0	0	0	0	0
Steuben									
Avoca	675	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	3	0	0	1	3	0	0	0	0
Caton	320,922	0	1,354	4	3	0	0	0	0
Cohocton	0	0	0	0	4	0	0	0	0
Corning	1,291,582	0	10,115	9	3	0	0	0	0
Greenwood	4	56	0	2	0	4	0	0	0
Hartsville	2	81	50	1	0	1	0	0	0
Hornby	193,634	0	544	4	1	0	0	0	0
Howard	790	0	0	1	0	0	0	0	0
Prattsburg	0	0	0	0	6	0	0	0	0
Pulteney	4,045	0	0	2	7	0	0	0	0
Troupsburg	7,291	0	0	2	1	0	0	0	0
Urbana	0	0	0	0	1	0	0	0	0
West Union	52,869	8,655	6,370	1	0	231	8	12	0
Woodhull	1,902	0	0	1	0	0	0	0	0
County Total	1,873,719	8,792	18,433	30	34	236	8	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	1	0	0	0	0
Spencer	0	0	0	0	1	0	0	0	0
County Total	0	0	0	0	4	0	0	0	0
Wayne									
Butler	167	0	0	2	0	0	0	0	0
Galen	3,034	0	0	2	0	0	0	0	0
County Total	3,201	0	0	4	0	0	0	0	0
Wyoming									
Arcade	19,629	286	0	37	2	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
Wyoming									
Attica	719	0	0	1	2	0	0	0	0
Bennington	61,452	0	320	86	4	0	0	0	0
Castile	3,110	0	0	4	0	0	0	0	0
Covington	4,143	0	0	35	4	0	0	0	0
Eagle	0	0	0	0	0	0	0	0	0
Gainesville	67	0	0	1	0	0	0	0	0
Genesee Falls	1	0	0	1	0	0	0	0	0
Java	10,706	0	0	23	0	0	0	0	0
Middlebury	747	0	0	8	1	0	0	0	0
Perry	13,758	0	0	44	3	0	0	0	0
Pike	1	0	0	1	0	0	0	0	0
Sheldon	31,094	0	386	40	1	0	0	0	0
Warsaw	590	0	0	4	1	0	0	0	0
County Total	146,017	286	706	285	18	1	0	0	0
Yates									
Barrington	3,041	0	10	2	0	0	0	0	0
Benton	739	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	3,055	0	0	2	0	0	0	0	0
Potter	1	0	0	1	1	0	0	0	0
Starkey	1	0	0	1	0	0	0	0	0
Torrey	244	0	0	2	0	0	0	0	0
County Total	7,082	0	10	17	3	0	0	0	0
State Total	11,089,861	277,732	269,667	6,721	692	3,758	2,008	34	312

Drilling Permits Issued During 2019

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	Pennhills Resources, LLC	31009284820000	Rumsey 291	01/14/2019	
Allegany	Pennhills Resources, LLC	31009284830000	Rumsey 292	01/14/2019	04/22/2019
Allegany	Pennhills Resources, LLC	31009284860000	Rumsey 295	01/14/2019	05/08/2019
Allegany	Pennhills Resources, LLC	31009284870000	Rumsey 296	01/14/2019	
Allegany	Pennhills Resources, LLC	31009284880000	Rumsey 297	01/14/2019	03/06/2019
Allegany	Pennhills Resources, LLC	31009284890000	Rumsey 298	01/14/2019	04/09/2019
Allegany	Dimes Energy GP Inc.	31009284900000	DB-1	02/19/2019	
Allegany	Dimes Energy GP Inc.	31009284910000	DB-2	02/19/2019	05/02/2019
Allegany	Dimes Energy GP Inc.	31009284920000	DB-3	02/19/2019	04/29/2019
Allegany	Dimes Energy GP Inc.	31009284930000	DB-4	02/19/2019	05/03/2019
Allegany	Dimes Energy GP Inc.	31009284940000	DB-5	02/19/2019	05/09/2019
Allegany	Dimes Energy GP Inc.	31009284950000	DB-6	02/19/2019	
Allegany	Dimes Energy GP Inc.	31009284960000	DB-7	02/19/2019	
Allegany	Dimes Energy GP Inc.	31009284970000	DB-8	02/19/2019	05/13/2019
Allegany	Dimes Energy GP Inc.	31009284980000	DB-9	02/19/2019	05/15/2019
Allegany	Dimes Energy GP Inc.	31009284990000	DB-10	02/19/2019	05/17/2019
Allegany	Dimes Energy GP Inc.	31009285000000	DB-11	02/19/2019	06/28/2019
Allegany	Dimes Energy GP Inc.	31009285010000	DB-12	02/19/2019	05/23/2019
Allegany	Dimes Energy GP Inc.	31009285020000	DB-13	02/19/2019	06/03/2019
Allegany	Dimes Energy GP Inc.	31009285030000	DB-14	02/19/2019	05/21/2019
Allegany	Dimes Energy GP Inc.	31009285040000	DB-15	02/19/2019	05/28/2019
Allegany	Dimes Energy GP Inc.	31009285050000	DB-16	02/19/2019	05/30/2019
Allegany	Dimes Energy GP Inc.	31009285060000	DB-17	02/19/2019	06/05/2019
Allegany	Dimes Energy GP Inc.	31009285070000	DB-18	02/19/2019	06/11/2019
Allegany	Dimes Energy GP Inc.	31009285080000	DB-19	02/19/2019	06/26/2019
Allegany	Dimes Energy GP Inc.	31009285090000	DB-20	02/19/2019	06/07/2019
Allegany	Dimes Energy GP Inc.	31009285100000	DB-21	02/19/2019	06/13/2019
Allegany	Dimes Energy GP Inc.	31009285110000	DB-22	02/19/2019	06/21/2019
Allegany	Dimes Energy GP Inc.	31009285120000	DB-23	02/19/2019	07/02/2019
Allegany	Dimes Energy GP Inc.	31009285130000	DB-24	02/19/2019	06/17/2019
Allegany	Dimes Energy GP Inc.	31009285140000	DB-25	06/11/2019	07/05/2019
Allegany	Dimes Energy GP Inc.	31009285150000	DB-26	06/11/2019	06/19/2019
Allegany	Burlingame Oil, LLC	31009285200000	Burlingame 1	03/12/2019	05/16/2019
Allegany	Dimes Energy GP Inc.	31009285260000	DR-3	06/11/2019	08/09/2019
Allegany	Dimes Energy GP Inc.	31009285270000	DR-4	06/11/2019	08/13/2019
Allegany	Dimes Energy GP Inc.	31009285280000	DR-7	06/11/2019	08/22/2019
Allegany	Dimes Energy GP Inc.	31009285290000	DR-8	06/11/2019	08/20/2019
Allegany	Dimes Energy GP Inc.	31009285300000	DR-9	06/11/2019	08/15/2019
Allegany	Dimes Energy GP Inc.	31009285310000	DR-13	06/11/2019	07/17/2019
Allegany	Dimes Energy GP Inc.	31009285320000	DR-14	06/11/2019	07/19/2019
Allegany	Dimes Energy GP Inc.	31009285330000	DR-15	06/11/2019	07/23/2019

Drilling Permits Issued During 2019

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	Dimes Energy GP Inc.	31009285340000	DR-17	06/11/2019	09/03/2019
Allegany	Dimes Energy GP Inc.	31009285350000	DR-18	06/11/2019	09/05/2019
Allegany	Dimes Energy GP Inc.	31009285360000	DR-19	06/11/2019	07/31/2019
Allegany	Dimes Energy GP Inc.	31009285370000	DR-20	06/11/2019	07/29/2019
Allegany	Dimes Energy GP Inc.	31009285380000	DR-21	06/11/2019	08/26/2019
Allegany	Dimes Energy GP Inc.	31009285390000	DR-22	06/11/2019	08/21/2019
Allegany	Dimes Energy GP Inc.	31009285400000	DB-1	06/11/2019	06/27/2019
Allegany	Dimes Energy GP Inc.	31009285410000	DB-6	06/11/2019	07/11/2019
Allegany	Dimes Energy GP Inc.	31009285420000	DB-7	06/11/2019	07/09/2019
Allegany	Dimes Energy GP Inc.	31009285430000	DK-1	07/16/2019	08/05/2019
Allegany	Dimes Energy GP Inc.	31009285440000	DK-2	07/16/2019	08/07/2019
Allegany	Dimes Energy GP Inc.	31009285450000	DK-5	07/16/2019	07/30/2019
Allegany	Dimes Energy GP Inc.	31009285460000	DK-6	07/16/2019	08/01/2019
Allegany	Dimes Energy GP Inc.	31009285470000	DK-10	07/16/2019	08/06/2019
Allegany	Dimes Energy GP Inc.	31009285480000	DK-11	07/16/2019	08/08/2019
Allegany	Dimes Energy GP Inc.	31009285490000	DK-12	07/16/2019	07/26/2019
Allegany	Dimes Energy GP Inc.	31009285500000	DK-16	07/16/2019	08/02/2019
Allegany	Dimes Energy GP Inc.	31009285510000	DP-2	07/11/2019	08/16/2019
Allegany	Dimes Energy GP Inc.	31009285520000	DP-3	07/11/2019	08/01/2019
Allegany	Dimes Energy GP Inc.	31009285530000	DP-4	07/11/2019	08/06/2019
Allegany	Dimes Energy GP Inc.	31009285540000	DP-5	07/11/2019	08/20/2019
Allegany	Dimes Energy GP Inc.	31009285550000	DP-6	07/11/2019	08/08/2019
Allegany	Dimes Energy GP Inc.	31009285560000	DP-7	07/11/2019	08/12/2019
Allegany	Dimes Energy GP Inc.	31009285570000	DP-8	07/11/2019	08/23/2019
Allegany	Dimes Energy GP Inc.	31009285580000	DP-9	07/11/2019	08/27/2019
Allegany	Dimes Energy GP Inc.	31009285590000	DP-10	07/11/2019	08/29/2019
Allegany	Dimes Energy GP Inc.	31009285600000	DP-11	07/11/2019	08/31/2019
Allegany	Dimes Energy GP Inc.	31009285610000	DP-12	07/11/2019	09/05/2019
Allegany	Dimes Energy GP Inc.	31009285620000	DP-13	07/11/2019	09/09/2019
Allegany	Dimes Energy GP Inc.	31009285630000	DP-14	07/11/2019	09/11/2019
Allegany	Dimes Energy GP Inc.	31009285640000	DP-15	07/11/2019	09/13/2019
Allegany	Dimes Energy GP Inc.	31009285650000	DP-16	07/11/2019	09/16/2019
Allegany	Dimes Energy GP Inc.	31009285660000	DP-17	07/11/2019	09/25/2019
Allegany	Stateside Energy Group, LLC	31009285670000	James 101	07/26/2019	10/02/2019
Allegany	Stateside Energy Group, LLC	31009285680000	James 103	07/26/2019	10/02/2019
Allegany	Stateside Energy Group, LLC	31009285690000	James 104	07/26/2019	09/30/2019
Allegany	Stateside Energy Group, LLC	31009285700000	James 105	07/26/2019	10/09/2019
Allegany	Dimes Energy GP Inc.	31009285710000	DP-18	07/26/2019	09/19/2019
Allegany	Dimes Energy GP Inc.	31009285720000	DP-19	07/26/2019	09/17/2019
Allegany	Dimes Energy GP Inc.	31009285730000	DP-20	07/26/2019	09/13/2019
Allegany	Dimes Energy GP Inc.	31009285740000	DP-21	07/26/2019	10/04/2019

Drilling Permits Issued During 2019

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	Dimes Energy GP Inc.	31009285750000	DP-22	07/26/2019	09/13/2019
Allegany	Dimes Energy GP Inc.	31009285760000	DP-23	07/26/2019	09/09/2019
Allegany	Dimes Energy GP Inc.	31009285770000	DP-24	07/26/2019	09/17/2019
Allegany	Dimes Energy GP Inc.	31009285780000	DP-25	07/26/2019	09/11/2019
Allegany	Dimes Energy GP Inc.	31009285790000	DP-26	07/26/2019	09/09/2019
Allegany	Dimes Energy GP Inc.	31009285800000	DP-27	07/26/2019	09/11/2019
Allegany	Dimes Energy GP Inc.	31009285810000	DP-28	07/26/2019	09/03/2019
Allegany	Dimes Energy GP Inc.	31009285820000	DP-29	07/26/2019	09/05/2019
Allegany	Dimes Energy GP Inc.	31009285830000	DT-30	08/07/2019	09/19/2019
Allegany	Dimes Energy GP Inc.	31009285840000	DT-31	08/07/2019	09/26/2019
Allegany	Dimes Energy GP Inc.	31009285850000	DT-32	08/07/2019	09/24/2019
Allegany	Dimes Energy GP Inc.	31009285860000	DT-33	08/07/2019	09/21/2019
Allegany	Dimes Energy GP Inc.	31009285870000	DT-34	08/07/2019	09/23/2019
Allegany	Dimes Energy GP Inc.	31009285880000	DT-35	08/07/2019	09/19/2019
Allegany	Dimes Energy GP Inc.	31009285890000	DT-36	08/07/2019	09/27/2019
Allegany	Dimes Energy GP Inc.	31009285900000	DT-37	08/07/2019	09/30/2019
Allegany	Dimes Energy GP Inc.	31009285910000	DT-38	08/07/2019	09/23/2019
Allegany	Dimes Energy GP Inc.	31009285920000	DT-39	08/07/2019	09/25/2019
Allegany	Dimes Energy GP Inc.	31009285930000	DT-40	08/07/2019	10/10/2019
Allegany	Dimes Energy GP Inc.	31009285940000	DT-41	08/07/2019	10/14/2019
Allegany	Dimes Energy GP Inc.	31009285950000	DT-42	08/07/2019	10/17/2019
Allegany	Dimes Energy GP Inc.	31009285960000	DT-43	08/07/2019	10/09/2019
Allegany	Dimes Energy GP Inc.	31009285970000	DT-44	08/07/2019	10/11/2019
Allegany	Dimes Energy GP Inc.	31009285980000	DT-45	08/07/2019	10/15/2019
Allegany	Dimes Energy GP Inc.	31009285990000	DT-46	08/07/2019	10/02/2019
Allegany	Dimes Energy GP Inc.	31009286000000	DT-47	08/07/2019	09/30/2019
Allegany	Dimes Energy GP Inc.	31009286010000	DT-48	08/07/2019	10/07/2019
Allegany	Dimes Energy GP Inc.	31009286020000	DT-49	08/07/2019	10/03/2019
Allegany	Dimes Energy GP Inc.	31009286030000	DM-1	09/12/2019	11/22/2019
Allegany	Dimes Energy GP Inc.	31009286040000	DM-2	09/12/2019	11/27/2019
Allegany	Dimes Energy GP Inc.	31009286050000	DM-3	09/12/2019	11/20/2019
Allegany	Dimes Energy GP Inc.	31009286060000	DM-4	09/12/2019	12/03/2019
Allegany	Dimes Energy GP Inc.	31009286070000	DM-5	09/12/2019	12/06/2019
Allegany	Dimes Energy GP Inc.	31009286080000	DM-6	09/12/2019	12/11/2019
Allegany	Dimes Energy GP Inc.	31009286090000	DM-7	09/12/2019	11/22/2019
Allegany	Dimes Energy GP Inc.	31009286100000	DM-8	09/12/2019	11/18/2019
Allegany	Dimes Energy GP Inc.	31009286110000	DM-9	09/12/2019	12/13/2019
Allegany	Dimes Energy GP Inc.	31009286120000	DM-10	09/12/2019	11/06/2019
Allegany	Dimes Energy GP Inc.	31009286130000	DM-11	09/12/2019	11/29/2019
Allegany	Dimes Energy GP Inc.	31009286140000	DM-12	09/12/2019	11/13/2019
Allegany	Dimes Energy GP Inc.	31009286150000	DM-13	09/12/2019	10/28/2019

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Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Allegany	Dimes Energy GP Inc.	31009286160000	DM-14	10/02/2019	11/01/2019
Allegany	Dimes Energy GP Inc.	31009286170000	DM-15	09/12/2019	11/15/2019
Allegany	Dimes Energy GP Inc.	31009286180000	DM-16	09/12/2019	12/05/2019
Allegany	Dimes Energy GP Inc.	31009286190000	DM-17	09/12/2019	11/08/2019
Allegany	Dimes Energy GP Inc.	31009286200000	DM-18	09/12/2019	10/30/2019
Allegany	Dimes Energy GP Inc.	31009286210000	DM-19	09/12/2019	11/04/2019
Allegany	Dimes Energy GP Inc.	31009286220000	DM-20	09/12/2019	11/07/2019
Allegany	Dimes Energy GP Inc.	31009286230000	DM-21	09/12/2019	11/12/2019
Allegany	Dimes Energy GP Inc.	31009286240000	DM-22	09/12/2019	10/30/2019
Allegany	Dimes Energy GP Inc.	31009286250000	DM-23	09/12/2019	10/21/2019
Allegany	Dimes Energy GP Inc.	31009286260000	DM-24	09/12/2019	10/25/2019
Allegany	Dimes Energy GP Inc.	31009286270000	DM-25	09/12/2019	10/23/2019
Allegany	Dimes Energy GP Inc.	31009286280000	DM-26	09/12/2019	10/16/2019
Allegany	Dimes Energy GP Inc.	31009286300000	DT-50	10/02/2019	11/26/2019
Allegany	Dimes Energy GP Inc.	31009286310000	DT-51	10/02/2019	12/06/2019
Allegany	Dimes Energy GP Inc.	31009286320000	DT-52	10/02/2019	12/03/2019
Allegany	Dimes Energy GP Inc.	31009286330000	DT-53	10/02/2019	11/21/2019
Allegany	Dimes Energy GP Inc.	31009286340000	DD-1	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286350000	DD-2	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286360000	DD-3	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286370000	DD-4	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286380000	DD-5	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286390000	DD-6	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286400000	DD-7	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286410000	DD-8	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286420000	DD-9	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286430000	DD-10	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286440000	DD-11	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286450000	DD-12	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286460000	DD-13	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286470000	DD-14	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286480000	DD-15	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286490000	DD-16	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286500000	DD-17	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286510000	DD-18	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286530000	DP-30	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286540000	DP-31	11/12/2019	
Allegany	Dimes Energy GP Inc.	31009286550000	DP-32	11/22/2019	
Allegany	McCracken Oil & Gas, LLC	31009300620000	Truman #6	06/03/2019	07/03/2019
Allegany	McCracken Oil & Gas, LLC	31009300630000	Neff #21	06/03/2019	06/19/2019
Allegany	McCracken Oil & Gas, LLC	31009300640000	Neff #22	06/03/2019	06/14/2019

Drilling Permits Issued During 2019

Town	Company	API Number	Well Name	Issue Date	Spud Date
Cattaraugus					
Carrollton	Case Brothers Inc.	31009285220000	Robinson 10	03/25/2019	09/06/2019
Carrollton	Case Brothers Inc.	31009285230000	Robinson 11	03/25/2019	09/13/2019
Carrollton	Case Brothers Inc.	31009285240000	Robinson 12	03/25/2019	09/18/2019
Carrollton	Case Brothers Inc.	31009285250000	Robinson 9	04/12/2019	09/20/2019
Carrollton	McCracken Energy Services, LLC	31009300580000	Carls #5	06/03/2019	06/24/2019
Carrollton	McCracken Energy Services, LLC	31009300590000	Carls #6	06/03/2019	06/26/2019
Carrollton	McCracken Energy Services, LLC	31009300600000	McCray #109	06/03/2019	07/10/2019
Carrollton	McCracken Energy Services, LLC	31009300610000	McCray #124	06/03/2019	07/19/2019
Olean	Vertical Energy, Inc.	31009191760100	Willoughby 7A	08/29/2019	11/25/2019
Olean	Copper Ridge Oil, Inc.	31009285160000	Kolata K22	02/11/2019	02/20/2019
Olean	Copper Ridge Oil, Inc.	31009285210000	Kolata K20	03/19/2019	05/07/2019
Olean	Copper Ridge Oil, Inc.	31009286290000	Schultz S3	09/19/2019	01/23/2020
Olean	Vertical Energy, Inc.	31009286520000	Willoughby 4B	12/02/2019	12/11/2019
Chautauqua					
Busti	Johnson, Mark & Troy	31013285170000	Pangborn 29	03/14/2019	05/16/2019
Busti	Johnson, Mark & Troy	31013285180000	Pangborn 32	03/14/2019	05/07/2019
Busti	Johnson, Mark & Troy	31013285190000	Pangborn 33	03/14/2019	05/13/2019
Queens					
Queens	New York City Dept. of Environmental Protectio	31081300000000	NYCDEP QBT B-1	09/23/2019	10/03/2019
Queens	New York City Dept. of Environmental Protectio	31081300010000	NYCDEP QBT B-2	09/23/2019	10/10/2019
Schuyler					
Reading	US Salt, LLC	31097300060000	US Salt 68	04/03/2019	04/23/2019
Tompkins					
Ithaca	New York State Museum/New York State Educ	31109300020000	NYSGS BH1917	09/06/2019	10/16/2019
Wyoming					
Middlebury	Texas Brine New York, LLC	31121300290000	B/W 150	03/21/2019	06/17/2019
Middlebury	Texas Brine New York, LLC	31121300300000	B/W 151	03/21/2019	06/26/2019
Middlebury	Texas Brine New York, LLC	31121300310000	B/W 152	03/21/2019	07/11/2019
Middlebury	Texas Brine New York, LLC	31121300310100	B/W 152-1H	08/07/2019	08/14/2019

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 2019.

Mined Land Permits Issued During 2019

1/3/2020

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Albany							
Bethlehem	Bethlehem, Town of	MINE	40023	Rupert Road Pit	2/2/2019	Renewal	8.7
Coeymans	Holcim (US) Inc	MINE	40032	Ravena Quarry	1/7/2019	Modification	667.0
Guilderland	J W Kendall LLC	MINE	40809	Charles Desch Pit	11/14/2019	Modification	9.3
Guilderland	Pustolka, Diane	MINE	40315	Pustolka Pit	5/6/2019	Renewal	10.5
Allegany							
Almond	Almond, Town of	MINE	90088	Bishopville Gravel Pit #3	6/11/2019	Renewal	7.3
Almond	Birdsall, Town of	MINE	90295	Wyant Pit	10/30/2019	Renewal	6.4
Genesee	Portville-Obi Stone LLC	MINE	91065	Portville-Obi Stone LLC	8/8/2019	New	12.2
Broome							
Conklin	Casselbury, Jason dba Casse AUTH		71043	Fall Brook Quarry #1	5/13/2019	Renewal	1.0
Conklin	Decker, Kenneth	MINE	70995	Farnham Quarry	8/5/2019	Modification	7.5
Fenton	Tri-City Highway Products Inc	MINE	70639	Rte 369 Mine	2/12/2019	Renewal	40.0
Lisle	F S Lopke Contracting Inc	MINE	70050	Howland Farm Mine	8/12/2019	Renewal	16.2
Sanford	Bosket, Andrew	MINE	71037	Bosket Brothers Quarry	2/1/2019	Modification	3.0
Sanford	Kamp, Fannie E.	MINE	70783	Frank Kamp Quarry - Boskett Road	6/13/2019	Renewal	15.0
Sanford	Kilmer, Herbert	MINE	70660	Marsh Pond Quarry	1/15/2019	Renewal	33.2
Sanford	Ross, Timothy W	MINE	70971	Boy Scout Quarry #1	11/14/2019	Renewal	2.0
Sanford	Rucole Stone LLC	MINE	70909	Struble Quarry #1	10/24/2019	Modification	10.0
Sanford	Shaver Hill Heights LLC	AUTH	71056	O'Brien Rd Quarry	11/15/2019	Renewal	1.0
Windsor	Balducci Bluestone LLC	MINE	70890	Anne Road Quarry	6/20/2019	Renewal	8.0
Windsor	Bishop, David	MINE	71013	Brink Quarry	2/19/2019	Modification	4.2
Windsor	Burnett, Todd	MINE	70902	Fern Gully	10/1/2019	Modification	9.0
Windsor	Burnett, Todd	MINE	70972	Fern Gully #2	10/2/2019	Modification	6.0
Windsor	Colpitts, James	MINE	71001	Colpitts Topsoil Mine	9/3/2019	Renewal	2.9
Windsor	Empet, Tim	MINE	71004	Donlick Quarry	9/27/2019	Renewal	5.0
Windsor	Grekin, Stephen	AUTH	71061	Grekin Quarry	6/18/2019	New	1.0
Windsor	Kilmer, Gary	AUTH	71062	Randell Quarry	11/18/2019	New	1.0
Windsor	O'Dell, William J	MINE	71047	Blewett Quarry #2	4/19/2019	Modification	4.5
Cattaraugus							
Carrollton	Giardini, Robert J	MINE	90362	Giardini Borrow Pit	9/3/2019	Renewal	25.7
Dayton	Country Side Sand & Gravel I	MINE	90747	Wolf Road Pit	7/16/2019	Modification	5.6
Ellicottville	Cold Spring Construction Co	MINE	90282	Canada Hill Gravel Pit	3/5/2019	Renewal	7.1
Farmersville	New Enterprise Stone & Lime	MINE	90677	Farmersville Operation/ Phase 1	8/21/2019	Renewal	8.7

Mined Land Permits Issued During 2019

1/3/2020

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Cattaraugus							
Farmersville	Redland Quarries NY Inc	MINE	90606	Peterson Gravel Mine	8/8/2019	Renewal	1.0
Freedom	Gernatt Asphalt Products Inc	MINE	90465	Gernatt Freedom Plant/Borer Deposi	9/19/2019	Modification	278.5
Great Valley	Gernatt Asphalt Products Inc	MINE	90248	Bedrock Gravel Pit	12/17/2019	Modification	155.7
Great Valley	Gernatt Asphalt Products Inc	MINE	91055	Mendell Gravel Mine	8/8/2019	Modification	10.8
Ischua	Alleghany Mountains LLC	MINE	90544	Kellner Pit	9/6/2019	Renewal	4.0
Machias	D&H Materials Inc	MINE	90690	Hard Rock Gravel Products	9/5/2019	Modification	24.6
Yorkshire	D&H Materials Inc	MINE	90666	McKinstry Pit	3/5/2019	Renewal	17.8
Yorkshire	Pembroke Sand & Gravel Inc	MINE	90556	McKinstry Pit	6/26/2019	Renewal	6.5
Yorkshire	Redland Quarries NY Inc	MINE	90577	Delevan Sand And Gravel Mine	7/11/2019	Renewal	1.0
Cayuga							
Genoa	Reeves, Coral	MINE	70948	Reeves Brothers Mine #2	11/6/2019	Renewal	12.0
Locke	FIVE Nyes LLC	MINE	70432	Lewbro Mine #1 - NYS Route 38	11/19/2019	Renewal	17.5
Sennett	Robinson Concrete Inc	MINE	70006	Franklin St Pit - Franklin St. Road	8/26/2019	Renewal	40.6
Chautauqua							
Kiantone	Tri-James Services Inc	MINE	90112	Kiantone Gravel Pit	6/6/2019	Renewal	25.8
Poland	Jamestown Macadam Inc	MINE	90657	Waterboro Gravel Mine	12/17/2019	Renewal	22.4
Pomfret	Dunkirk Power LLC	MINE	90552	Dunkirk Fly Ash Landfill	3/5/2019	Renewal	56.1
Chemung							
Horseheads	Hanson Aggregates New Yor	MINE	80032	Horseheads S&G	4/17/2019	Renewal	9.2
Southport	Hurley Farms Inc	MINE	80822	Hurley Pit	8/23/2019	Renewal	60.6
Chenango							
Afton	Hulbert, Jeremy	AUTH	71058	Wacha Quarry	6/6/2019	New	1.0
Bainbridge	Burton F Clark Inc	MINE	70505	Kelly Pit	8/9/2019	Renewal	17.5
Greene	Hanson Aggregates New Yor	MINE	70552	Kahn Mine	3/21/2019	Renewal	24.0
Greene	Sanford Excavating LLC	MINE	70224	County Line Gravel Bed	12/23/2019	Renewal	23.0
New Berlin	Orzeck, Andrew and Joseph	MINE	70483	Orzeck Pit	4/16/2019	Renewal	3.0
Norwich	Burton F Clark Inc	MINE	70108	Hymer's Gravel	7/16/2019	Renewal	27.0
Norwich	Chenango Concrete Corp db	MINE	70499	East River Road Bank	1/14/2019	Modification	44.0
Oxford	F S Lopke Contracting Inc	MINE	70904	Oxford Quarry	11/7/2019	Renewal	24.0
Oxford	Lehmer, Jereme	MINE	71008	Lehmers Sand and Gravel Mine	7/15/2019	Renewal	8.3
Preston	Preston Stone LLC	MINE	70998	Sylstra Quarry	9/12/2019	Renewal	12.6
Clinton							
Ausable	Deyo, Todd E	MINE	51054	Dry Bridge Road Sand Mine	8/27/2019	Renewal	10.0

Mined Land Permits Issued During 2019

1/3/2020

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Clinton							
Beekmantown	Beekmantown, Town of	MINE	50403	Town of Beekmantown Gravel Mine	12/11/2019	Renewal	16.7
Black Brook	Maicus, Sidney G and Dwayn	MINE	50732	Maicus Sawmill Pit	1/29/2019	Modification	14.6
Chazy	Rafferty Sand & Gravel LLC	MINE	50973	Lewis Mine	9/27/2019	Modification	11.1
Ellenburg	Seaway Timber Harvesting In	MINE	50947	Ellenburg Decorative Stone Mine	4/22/2019	Modification	4.9
Mooers	Beeman, Roswell	MINE	51000	Emery Road Pit	2/13/2019	Renewal	17.6
Mooers	Lafave, Anthony and Kimberl	MINE	51053	Timber Lane	12/20/2019	Modification	3.5
Mooers	Mooers, Town of	MINE	50762	Cedar Inn Pit	12/20/2019	Renewal	10.6
Mooers	Mooers, Town of	MINE	51032	Davison Road Pit	3/13/2019	Modification	18.1
Mooers	Upstone Materials Inc	MINE	50798	Mooers Stone Products Quarry #1	7/2/2019	Renewal	30.0
Part	Rafferty Sand & Gravel LLC	MINE	50918	Rafferty Sand & Gravel	8/21/2019	Modification	60.3
Peru	Peru Sand & Gravel LLC	MINE	50421	Everett Gravel Pit	10/24/2019	Modification	17.2
Peru	Rushford, Douglas d/b/a/ Rus	MINE	50951	Peasleeville Road Pit	8/6/2019	Renewal	9.8
Plattsburgh	Upstone Materials Inc	MINE	50062	Plattsburgh Quarry	5/13/2019	Modification	137.0
Plattsburgh	Upstone Materials Inc	MINE	50518	Norm Baker Pit	6/7/2019	Renewal	23.2
Saranac	9295-6911 Quebec Inc	MINE	51073	Merry Go Round Mine	4/25/2019	New	4.8
Schuyler Falls	New England Waste Services	MINE	50306	Adcock Pit	5/2/2019	Modification	47.0
Schuyler Falls	R Hogan Excavating LLC	MINE	50905	Hudson Sand Pit	4/28/2019	Renewal	9.9
Schuyler Falls	Schuyler Falls, Town of	MINE	50760	Town of Schuyler Falls Gravel Mine	11/23/2019	Renewal	22.8
Schuyler Falls	White, Martha L	MINE	50579	White Pit	10/11/2019	Modification	20.0
Columbia							
Canaan	Adams, John P	MINE	40685	Adams Mine Site	9/25/2019	Renewal	10.4
Chatham	Bob Boll Excavating LLC	MINE	40730	Pond Hill Road Mine	4/23/2019	Modification	20.3
Claverack	John A Alvarez & Sons Inc	MINE	40485	Orchard Road Pit	11/14/2019	Renewal	12.6
Claverack	Shapiro, Robert	MINE	40781	Claverack Bank	4/25/2019	Renewal	12.1
Claverack	Wright, Samuel III	MINE	40673	Co Rte 11 Pit	9/25/2019	Modification	8.7
Greenport	A Colarusso & Son Inc	MINE	40020	Colarusso Quarry - Newman Rd.	5/9/2019	Renewal	95.0
Greenport	A Colarusso & Son Inc	MINE	40042	Kearney Pit	12/6/2019	Modification	128.4
Greenport	A Colarusso & Son Inc	MINE	40081	Hudson Quarry	9/27/2019	Renewal	303.0
Livingston	Elizaville Sand & Gravel Inc	MINE	40309	Elizaville Sand & Gravel Site	3/28/2019	Renewal	27.2
Livingston	F H Stickles & Son Inc	MINE	40025	F.H. Stickles Mine	9/11/2019	Modification	97.9
Livingston	MCR Sand & Gravel Inc	MINE	40321	Lynks Gravel Bank	2/28/2019	Renewal	26.0
New Lebanon	Dolomite Products Company I	MINE	40725	Teal/Brent Sand Pit	1/3/2019	Modification	32.5
New Lebanon	Troy Sand & Gravel Co Inc	MINE	40725	Teal/Brent Sand Pit	9/30/2019	Modification	32.5

Mined Land Permits Issued During 2019

1/3/2020

Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Cortland							
Cincinnatus	Taylor Valley Gravel Products	MINE	70794	Crane Farm Mine	10/17/2019	Renewal	9.3
Cortlandville	Suit-Kote Corp	MINE	70978	Alexander Mine	12/22/2019	Renewal	12.2
Delaware							
Colchester	Johnston & Rhodes Blueston	MINE	40661	Shinhopple Quarry	3/5/2019	Renewal	13.4
Davenport	Burton F Clark Inc	MINE	40231	Hillis Gravel Bank	2/21/2019	Renewal	53.8
Davenport	Seward Sand & Gravel Inc	MINE	40368	Rider Gravel Bank	12/16/2019	Modification	29.0
Delhi	Delaware Bulldozing Corp	MINE	40594	Rama Pit One	12/19/2019	Renewal	17.1
Deposit	Brainard, David L	MINE	40871	Brainard Bluestone Mine	9/17/2019	Renewal	25.5
Deposit	Sanford Stone LLC	MINE	40864	Sohonyay Quarry old Schaefer Expl	5/22/2019	Renewal	2.3
Deposit	Schaefer Enterprises of Depo	MINE	40914	Rte 8 Quarry	7/16/2019	Modification	11.3
Deposit	Timberland Resources LLC	MINE	40943	Crimi Quarry	4/23/2019	Modification	2.0
Hancock	Johnston & Rhodes Blueston	MINE	40767	Dirig Quarry #1	12/26/2019	Modification	3.0
Hancock	Johnston & Rhodes Blueston	MINE	40787	Dirig #2	12/26/2019	Modification	3.2
Hancock	Sonny & Sons Stone Co	MINE	40890	Woodwise Quarry #1	10/4/2019	Modification	7.4
Kortright	Burton F Clark Inc	MINE	40386	Clark Pit	6/18/2019	Modification	38.0
Kortright	Seward Sand & Gravel Inc	MINE	40895	Gillette Quarry	2/11/2019	Renewal	8.2
Masonville	Kilmer, Theodore	MINE	40728	Savino Quarry	10/21/2019	Modification	16.9
Stamford	Lafever Excavating Inc	MINE	40305	Hobart Pit - Jas Robbins Property	12/31/2019	Renewal	9.5
Tompkins	Kamp, John	MINE	40732	Sands Creek Quarry	10/23/2019	Modification	6.9
Walton	Johnston & Rhodes Blueston	MINE	40785	Doc Smith Mt. Holly Mines	8/13/2019	Renewal	10.0
Walton	MacGibbon, Jon	MINE	40933	MacGibbon Quarry	9/20/2019	New	1.9
Walton	MSR Inc	MINE	40788	Constable Quarry	5/24/2019	Renewal	2.5
Dutchess							
Amenia	Harlem Valley Sand & Gravel	MINE	30001	Harlem Valley Sand & Gravel Mine	1/25/2019	Modification	70.0
Amenia	Northwest Farms, Inc	MINE	30074	Northwest Farms Mine	1/22/2019	Modification	114.4
Dover	Dover Plains Management Se	MINE	30565	Dover Furnace Rd. Pit	3/18/2019	Modification	33.0
Fishkill	Thalle Industries Inc	MINE	30069	Thalle Fishkill Quarry	7/26/2019	Modification	73.1
LaGrange	Richard Ryan Excavation Inc	MINE	30237	Ryan's Gravel Bank	10/30/2019	Renewal	36.0
Milan	Rock City Sand & Gravel Cor	MINE	30564	Rock City Sand & Gravel Pit	8/29/2019	Renewal	8.3
Pine Plains	1133 Taconic LLC	MINE	30114	The Durst Buildings Corp Mine	1/7/2019	Modification	7.0
Pine Plains	Murphy, James A.	MINE	30425	Murphy Gravel Bank	1/4/2019	Renewal	11.0
Pleasant Valley	Daley, Glenn R	MINE	30263	Pleasant Valley Mine	7/30/2019	Modification	15.0
Rhinebeck	Red Wing Properties Inc	MINE	30393	White School House Road Mine	4/18/2019	Renewal	37.5

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Erie							
Collins	Reale, Carl	MINE	90008	Vail Road Pit	4/26/2019	Renewal	28.6
Concord	Russo Development, Inc.	MINE	90472	Sibley Road Pit	3/8/2019	Renewal	20.8
Newstead	County Line Stone Co Inc	MINE	90564	Siehl Road Pit	11/4/2019	Renewal	17.0
Essex							
Crown Point	Rafferty Sand & Gravel LLC	MINE	50735	Rafferty Sand And Gravel	8/23/2019	Renewal	15.5
Jay	Cold Spring Granite Compan	MINE	50410	Green Quarry	7/30/2019	Modification	34.0
Jay	Cold Spring Granite Compan	MINE	50411	Blue Quarry	6/13/2019	Modification	19.0
Lewis	NYCO Minerals LLC	MINE	50111	Lewis Mine	9/26/2019	Renewal	132.4
Lewis	NYCO Minerals LLC	MINE	50803	Oak Hill Mine Site	6/27/2019	Modification	149.3
Lewis	Upstone Materials Inc	MINE	50056	Lewis Quarry	1/14/2019	Modification	61.9
North Hudson	Caza, Bruce & Brenda	MINE	50859	Caza Mine	3/25/2019	Modification	7.0
Westport	John W Sheehan and Sons In	MINE	50611	Barber Sand And Gravel Pit	4/24/2019	Renewal	7.5
Westport	Westport, Town of	MINE	50614	Munson Pit	4/11/2019	Modification	4.9
Willsboro	Jointa Lime Company	MINE	51061	Willsboro Stone	7/24/2019	Modification	19.0
Willsboro	Sheehan, Travis, Trisha and	MINE	50866	Sheehan Mine	5/14/2019	Renewal	2.4
Willsboro	West, Douglas A	MINE	50774	Mabel's Pit	7/1/2019	Renewal	11.0
Franklin							
Altamont	Tupper Lake, Village of	MINE	50081	Tupper Lake Sand Pit	10/16/2019	Modification	6.2
Bangor	Bangor, Town of	MINE	50627	Dyke Road Pit	7/2/2019	Modification	5.4
Bellmont	King, Nancy L	MINE	50927	King Sand Pit	2/5/2019	Modification	4.0
Bombay	Paquin, Peter	MINE	50871	Paquin Cranberry Sand Pit	6/6/2019	Renewal	20.0
Brandon	Upstone Materials Inc	MINE	50358	Egan Pit	8/13/2019	Renewal	9.7
Burke	Burke, Town of	MINE	50498	Burke Gravel Pit	3/29/2019	Renewal	13.0
Constable	Constable, Town of	MINE	50497	Constable Sand Pit	2/2/2019	Renewal	5.0
Duane	Duane, Town of	MINE	50909	Town Of Duane Garage Pit	3/21/2019	Modification	5.0
Fort Covington	Fort Covington, Town of	MINE	50477	Fort Covington Gravel Pit	1/3/2019	Renewal	9.9
Malone	Malone, Village of	MINE	50693	Bare Hill Sand Pit	8/21/2019	Renewal	4.0
Malone	Titus Mountain Sand And Gra	MINE	50640	Titus Mountain Gravel Pit	5/1/2019	Renewal	21.5
Moir	Russell, James J	MINE	50881	Russell Sand Pit	1/1/2019	Renewal	5.0
Fulton							
Johnstown	Peck Associates & Wendell T	MINE	50412	Peck Gravel Pit	9/12/2019	Renewal	1.9
Oppenheim	Teidman & Sons, George Db	MINE	50796	Teidman Road Bank	4/7/2019	Renewal	7.1

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Genesee							
Alexander	VCNA United Materials LLC	MINE	80061	Frey S & G	5/28/2019	Modification	268.0
Oakfield	U. S. Gypsum Company	MINE	80066	Oakfield Mine	2/13/2019	Renewal	15.0
Greene							
Catskill	Matthies, Paul	MINE	40378	Old Kings Road Pit	11/14/2019	Renewal	8.2
Catskill	Peckham Materials Corp	MINE	40028	Catskill Quarry	2/20/2019	Modification	364.8
Coxsackie	SM Gallivan LLC	MINE	40349	Gary's Rt 81 Stone Quarry	8/16/2019	Modification	18.2
Coxsackie	Tilcon New York Inc	MINE	40319	High Hill Quarry	4/1/2019	Renewal	37.6
Hunter	Pierce, Jerry	MINE	40492	Scribner Hollow Road Bank	7/15/2019	Modification	4.0
Hamilton							
Hope	King, Charles DbA G H Wood	MINE	50349	Hope Pit #2	10/1/2019	Renewal	4.6
Indian Lake	Indian Lake, Town of	MINE	50275	Pit #3	5/18/2019	Renewal	2.0
Indian Lake	Indian Lake, Town of	MINE	50841	Pit #6	4/5/2019	Renewal	9.7
Herkimer							
Herkimer	Route 5 Sand and Gravel LL	MINE	60938	Talarico Sand & Gravel Mine	7/11/2019	Renewal	64.5
Russia	Material Sand & Gravel	MINE	60053	Gravesville Plant	2/12/2019	Modification	150.9
Russia	Weakley, Bruce dba Weakley	MINE	60417	Worden Mine	2/14/2019	Renewal	9.8
Salisbury	Dolgeville, Village of	MINE	60748	Irondale Mine	2/27/2019	Renewal	2.0
Salisbury	Salisbury, Town of	MINE	60683	Route 29 Pit	2/27/2019	Renewal	15.9
Warren	Hanson Aggregates New Yor	MINE	60037	Jordanville Quarry	3/13/2019	Modification	232.4
Webb	Heroux Construction Co Inc	MINE	60547	Heroux Sand & Gravel Mine	3/12/2019	Renewal	24.7
Winfield	Burton F Clark Inc	MINE	60495	Boss Mine	1/1/2019	Renewal	33.0
Jefferson							
Adams	Bauer Concrete and Masonry	MINE	61134	Bauer Route 11 Gravel Mine	8/14/2019	Modification	8.0
Alexandria	Johnson's Sand & Gravel Inc	MINE	60134	Hunter Pit	3/21/2019	Renewal	33.2
Brownville	Brownville, Town of	MINE	60415	Moffatt Quarry	12/26/2019	Renewal	15.0
Champion	Champion Materials Inc	MINE	60220	Carthage Site	9/24/2019	Renewal	175.1
Champion	Lewis County Highway Dept	MINE	60031	Martin Street Road	11/14/2019	Renewal	13.0
Clayton	Bach Plumbing & Heating Co	MINE	60185	Pelo Road Mine	2/26/2019	Renewal	57.7
Ellisburg	Coffin, Robert E	MINE	61113	Tennant Sand Pit	7/30/2019	Modification	10.8
Ellisburg	Ellisburg, Town of	MINE	60198	Rudd Pit	8/7/2019	Renewal	50.0
Leray	Greystone Quarries Inc	MINE	60522	Kiser Road Quarry	5/29/2019	Renewal	29.0
Leray	Meeks, Lisa K & Ferguson J	MINE	61153	Walts Farm Topsoil Mine	7/12/2019	New	4.6
Pamelia	Barrett Paving Materials Inc	MINE	60517	Pamelia Quarry	3/6/2019	Modification	177.5

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Jefferson							
Theresa	Meeks, Lisa K & Ferguson J	MINE	60812	Bartlett Mine	2/26/2019	Modification	15.3
Lewis							
Croghan	Bush, Matthew	MINE	61085	Matt Bush Pit	9/25/2019	Renewal	4.0
Greig	Greig, Town of	MINE	60009	Fish Creek Road Mine	1/7/2019	Renewal	30.0
Lewis	Lewis, Town of	MINE	61150	Kwasniewski Pit	3/26/2019	New	5.0
Osceola	Platt, John	MINE	61120	Osceola Mine	4/15/2019	Renewal	17.9
Livingston							
Avon	Oak Openings LLC	MINE	80857	Oak Openings Rd	9/12/2019	Modification	23.5
Caledonia	Puncher Development LLC	MINE	80863	Caledonia Pit-West Pit	7/1/2019	Modification	98.3
Caledonia	Puncher Development LLC	MINE	80863	Caledonia Pit-West Pit	1/24/2019	Renewal	98.3
Leicester	Leicester, Town of	MINE	80165	Leicester Pit	7/15/2019	Renewal	6.5
Mount Morris	Rose's Sand & Gravel LLC	MINE	80548	Fidler Road Pit	2/7/2019	Renewal	8.0
Ossian	Wilson Dairy & Sheep Farm	MINE	80454	Wilson Pit	2/1/2019	Renewal	10.0
Madison							
Hamilton	Cossitt Concrete Products Inc	MINE	70201	Earlville Gravel Bed - Clyde Street	4/4/2019	Renewal	18.4
Lebanon	White Eagle Sand And Stone	MINE	70761	Smith Gravel Bed	5/6/2019	Modification	19.3
Sullivan	Crouse Construction, Inc.	MINE	70527	Crouse Gravel Bed - NYS Route 17	11/24/2019	Renewal	16.0
Monroe							
Hamlin	Estate of Randall J. Elliott	MINE	80532	Moscow Road Pit	6/19/2019	Renewal	24.4
Parma	Lorric Development Corporati	MINE	80058	Monarch - Pine Hill Road	3/25/2019	Renewal	23.6
Rush	Rush Gravel Corp	MINE	80178	Schillinger Pit	2/1/2019	Renewal	20.8
Montgomery							
Florida	Callanan Industries Inc	MINE	40004	5S Quarry	1/25/2019	Modification	215.0
Niagara							
Lewiston	Mawhiney Trucking Inc	MINE	90906	Helmich Site	6/17/2019	Modification	51.2
Oneida							
Annsville	Hanson Aggregates New Yor	MINE	60445	Taberg Pit	7/15/2019	Renewal	29.5
Boonville	Hanson Aggregates New Yor	MINE	60039	Boonville Pit	3/13/2019	Renewal	96.3
Boonville	Lenart, Steve	MINE	60508	Lenart Sand & Gravel Pit	3/20/2019	Renewal	5.6
Camden	Camden, Village of	MINE	61002	Rt. 69 Sand & Gravel Mine	3/27/2019	Renewal	5.6
Floyd	Harvey Materials Corp	MINE	60944	Floyd Mine	3/7/2019	Renewal	13.0
Forestport	Four Corners Sand & Gravel	MINE	60861	Woodgate Mine	5/16/2019	Renewal	9.6
Forestport	Hanson Aggregates New Yor	MINE	60649	Forestport (Bear Creek) Quarry	7/16/2019	Renewal	99.8

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Oneida							
Marcy	Fred Burrows Trucking & Exc	MINE	60774	Double K Farms	9/27/2019	Renewal	4.9
Part	Hanson Aggregates New Yor	MINE	60041	Oriskany Falls Quarry	3/12/2019	Renewal	271.8
Remsen	Harvey Materials Corp	MINE	60964	Remsen Mine	3/1/2019	Renewal	13.9
Trenton	Harvey Materials Corp	MINE	60680	Krebs Pit	10/1/2019	Renewal	14.6
Whitestown	Fred Burrows Trucking & Exc	MINE	60258	Murray Mine	3/12/2019	Renewal	22.5
Whitestown	Fred Burrows Trucking & Exc	MINE	60160	Route 69 Pit	3/20/2019	Renewal	22.0
Onondaga							
Dewitt	Hanson Aggregates New Yor	MINE	70058	Jamesville Quarry	8/26/2019	Renewal	908.2
Manlius	Raimondo Bros Inc	MINE	70495	Raimondo Topsoil	6/12/2019	Renewal	4.8
Marcellus	Hanson Aggregates New Yor	MINE	70216	Bishop Hill Mine - Bishop Hill Road	7/3/2019	Renewal	13.0
Marcellus	Smith, David J	MINE	70160	Davis Pit	5/14/2019	Modification	28.3
Onondaga	Hanson Aggregates New Yor	MINE	70003	South Onondaga Mine - Off Ny Rout	4/4/2019	Renewal	97.8
Onondaga	Heer, Raymond C	MINE	70937	Heer Farms Gravel Pit	5/7/2019	Renewal	10.8
Onondaga	Onondaga, Town of	MINE	70277	Bett's Gravel Mine - County Route 1	10/9/2019	Renewal	9.5
Skaneateles	Hanson Aggregates New Yor	MINE	70024	Skaneateles Quarry	7/2/2019	Renewal	283.3
Skaneateles	Hanson Aggregates New Yor	MINE	70100	Waldburger mine	7/8/2019	Renewal	22.5
Skaneateles	Smith, Betty Y	MINE	70161	Smith Pit- Stump Road	6/21/2019	Renewal	17.5
Skaneateles	Smith, Daniel J	MINE	70462	Lukins Mine - Shepard Road	7/2/2019	Renewal	7.6
Tully	Cranesville Block Co Inc	MINE	70599	Tully	8/12/2019	Renewal	79.2
Van Buren	Syracusa Sand & Gravel Inc.	MINE	70069	Brickyard Road Mine	11/7/2019	Modification	22.2
Ontario							
East Bloomfield	East Bloomfield, Town of	MINE	80154	East Bloomfield Pit	4/22/2019	Renewal	56.1
Manchester	E.J.Monroe Sand & Gravel C	MINE	80629	Monroe Sand & Gravel Rte. 21	9/24/2019	Renewal	18.7
Phelps	Hanson Aggregates New Yor	MINE	80036	Geneva (Oaks Corners) Quarry	3/7/2019	Renewal	253.2
Phelps	Syracuse Sand & Gravel LLC	MINE	80634	Lake Road Pit	4/8/2019	Modification	148.9
Richmond	Richmond, Town of	MINE	80520	Municipality	6/10/2019	Renewal	15.0
West Bloomfield	Dolomite Products Company I	MINE	80267	Mendon Mine	6/12/2019	Renewal	115.9
West Bloomfield	Spallina Materials Inc	MINE	80428	West Bloomfield Mine	4/17/2019	Renewal	102.6
West Bloomfield	Spallina Materials Inc	MINE	80428	West Bloomfield Mine	7/1/2019	Modification	102.6
Orange							
Goshen	BJP Industries Inc	MINE	30592	BJP Industries Mine	4/5/2019	Renewal	13.9
Minisink	Dean Ford & Sons Dairy Far	MINE	30653	Ford Farm Mine	1/18/2019	Modification	2.5
Minisink	Kowalczyk, Leo & Patricia	MINE	30443	Hoslers Rd Mine	9/30/2019	Renewal	14.0

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Orange							
Minisink	Kowalczyk, Leo & Patricia	MINE	30443	Hoslers Rd Mine	9/3/2019	Modification	14.0
Minisink	Minisink Aggregates, LLC	MINE	30443	Hoslers Rd Mine	10/22/2019	Modification	14.0
Mount Hope	Mount Hope, Town of	MINE	30372	Town of Mount Hope Sand & Gravel	8/28/2019	Renewal	9.0
Wawayanda	Matrix Wawayanda I LLC	MINE	30545	Pine Lane Mine	4/25/2019	Modification	80.0
Orleans							
Albion	Pilon Construction Co Inc	MINE	80190	Pilon Mine	6/11/2019	Renewal	4.0
Barre	Eagle Harbor Sand and Grav	MINE	80171	Eagle Harbor Mine	4/22/2019	Renewal	234.9
Barre	Eagle Harbor Sand and Grav	MINE	80442	Gray Road Pit	1/9/2019	Renewal	5.0
Barre	Keeler Construction Co Inc	MINE	80166	Wilson Quarry	10/15/2019	Modification	230.4
Clarendon	Aggregate Placement Incorpo	MINE	80597	Hard Times Gravel Pit	5/14/2019	Modification	7.1
Clarendon	Warco Equipment Co Inc	MINE	80127	New Guinea	11/12/2019	Renewal	33.6
Murray	Christ, Lloyd Jr	MINE	80706	Lloyd Christ Jr. - Fancher Road	3/1/2019	Renewal	6.3
Ridgeway	Orleans Construction LLC	MINE	80277	Orleans Construction Co. Mine	4/24/2019	Modification	20.3
Oswego							
Amboy	T H Kinsella Inc	MINE	70887	Finnerty Road Mine	11/19/2019	Modification	8.5
Amboy	Webb, Patricia A	MINE	70866	Amboy Mine	4/24/2019	Renewal	4.9
Granby	Royce Jr., Gary	MINE	71049	Royce Pit	5/6/2019	New	2.1
Granby	Shawn Malone Excavating In	MINE	71050	Watertower Pit	5/30/2019	New	4.9
Granby	Syracuse Sand & Gravel LLC	MINE	70465	Granby Mine, County Route 85	4/18/2019	Renewal	66.9
Granby	WD Malone Trucking & Excav	MINE	70551	Granby Pit	8/6/2019	Renewal	13.6
Hannibal	Oswego County DPW	MINE	70230	Hannibal Mine - County Route #7	9/26/2019	Renewal	28.7
Hannibal	WD Malone Trucking & Excav	MINE	70842	Harris Hill Mine	9/4/2019	Modification	5.8
Hannibal	Wheats' Backhoe and Snow	MINE	70970	Wheats' Pit	10/10/2019	Modification	19.9
Hastings	Cemento LLC	MINE	70535	Barker Road Mine	12/30/2019	Modification	13.8
Hastings	House, Joseph R	MINE	71030	House Pit	4/16/2019	Modification	9.6
Hastings	Syracuse Sand & Gravel LLC	MINE	70302	Hastings Main. West - NYS Route 1	8/19/2019	Renewal	20.0
Palermo	Oswego County DPW	MINE	70666	Pitcher Pit	5/7/2019	Renewal	14.2
Part	Port City Logisitics Inc	MINE	71039	Mine #1	8/13/2019	New	12.1
Sandy Creek	Hanson Aggregates New Yor	MINE	70020	Lacona S&G - North Pit	9/8/2019	Renewal	317.9
Sandy Creek	Hanson Aggregates New Yor	MINE	70584	Lacona S&G - South Pit	10/16/2019	Renewal	16.8
Scriba	Scriba, Town of	MINE	70135	Bough Pit	11/7/2019	Renewal	41.0
Volney	R & E Bonoffski Irrevocable T	MINE	70835	Raymond Bonoffski Gravel Mine	4/1/2019	Renewal	6.2
West Monroe	Eastcom Utility Contractors, I	MINE	71048	Potter Creek Mine	1/7/2019	New	4.2

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Oswego							
West Monroe	West Monroe, Town of	MINE	70803	Hildreth - Bisbo Mine	6/25/2019	Modification	7.2
Williamstown	Jarvis Landscaping Inc	MINE	71057	Whispering Pines Mine	5/8/2019	New	4.0
Williamstown	Jarvis Landscaping Inc	MINE	71057	Whispering Pines Mine	8/12/2019	Modification	4.0
Otsego							
Butternuts	Ackley, Robert	MINE	40648	1009 County Highway 18	3/28/2019	Renewal	5.8
Middlefield	Heroux Excavating, Inc.	MINE	40689	Rt. 166 Pit	2/19/2019	Modification	35.3
Middlefield	Seward Sand & Gravel Inc	MINE	40879	Middlefield Bank	2/21/2019	Renewal	19.0
Milford	Cobleskill Stone Products Inc	MINE	40079	Broe (Hemlock Rd.) Pit	3/4/2019	Modification	53.4
Milford	Seward Sand & Gravel Inc	MINE	40046	Seward Sand & Gravel (Hemlock Ro	7/15/2019	Modification	67.1
Milford	Seward Sand & Gravel Inc	MINE	40046	Seward Sand & Gravel (Hemlock Ro	10/18/2019	Modification	67.1
Oneonta	Burton F Clark Inc	MINE	40831	Henderson Gravel Mine	9/25/2019	Modification	13.0
Otsego	Stocking, Mike A	MINE	40538	Kukenberger's Gravel	11/12/2019	Renewal	44.7
Unadilla	Burton F Clark Inc	MINE	40798	Earl Road Gravel Mine	8/13/2019	Modification	18.6
Unadilla	Reed, Denton L	MINE	40798	Earl Road Gravel Mine	4/15/2019	Renewal	18.6
Putnam							
Patterson	Putnam Materials Corp	MINE	30042	Patterson Quarry	5/29/2019	Modification	55.8
Rensselaer							
Berlin	Roger Vincent Construction L	MINE	40912	Roger Vincent Construction	6/21/2019	Renewal	3.5
East Greenbush	Troy Sand & Gravel Co Inc	MINE	40329	Witbeck Bank	4/12/2019	Renewal	16.8
Grafton	R J Valente Gravel Inc	MINE	40693	Grafton Quarry	2/21/2019	Renewal	48.0
Hoosick	William E Dailey Inc	MINE	40670	Hoosick Quarry	1/14/2019	Renewal	55.4
Poestenkill	Polaro Sand & Gravel, Inc	MINE	40841	Polaro Construction Co Inc Mine	3/20/2019	Modification	14.0
Poestenkill	Polaro Sand & Gravel, Inc	MINE	40841	Polaro Construction Co Inc Mine	4/19/2019	Modification	14.0
Poestenkill	Polaro Sand & Gravel, Inc	MINE	40841	Polaro Construction Co Inc Mine	11/22/2019	Modification	14.0
Poestenkill	Rifenburg Construction Inc	MINE	40524	Dzembo Farm Pit	3/26/2019	Renewal	16.9
Sand Lake	James H Maloy Inc	MINE	40039	Wicks Bank	5/2/2019	Modification	18.9
Sand Lake	Sand Lake, Town of	MINE	40118	Springer Road Pit	7/19/2019	Renewal	21.5
Sand Lake	Troy Sand & Gravel Co Inc	MINE	40007	West Sand Lake Operation	6/19/2019	Modification	150.2
Sand Lake	Troy Sand & Gravel Co Inc	MINE	40007	West Sand Lake Operation	7/12/2019	Modification	150.2
Sand Lake	Troy Sand & Gravel Co Inc	MINE	40701	Reichards Lake Pit	3/5/2019	Renewal	0.9
Schaghticoke	Troy Sand & Gravel Co Inc	MINE	40123	Cammarota Pit	5/1/2019	Modification	72.7
Schaghticoke	Troy Sand & Gravel Co Inc	MINE	40123	Cammarota Pit	10/9/2019	Modification	72.7
Schaghticoke	Troy Sand & Gravel Co Inc	MINE	40566	Dyer Lease Pit	1/29/2019	Renewal	8.0

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Rensselaer							
Schaghticoke	Troy Sand & Gravel Co Inc	MINE	40762	Weir Sand & Gravel Mine	1/9/2019	Modification	20.3
Schaghticoke	Troy Sand & Gravel Co Inc	MINE	40762	Weir Sand & Gravel Mine	5/6/2019	Renewal	20.3
Schaghticoke	Troy Sand & Gravel Co Inc	MINE	40762	Weir Sand & Gravel Mine	1/15/2019	Modification	20.3
Schaghticoke	Warren W Fane Inc	MINE	40289	Hemstreet Park Pit	6/1/2019	Modification	225.3
Stephentown	Warren W Fane Inc	MINE	40590	Goodermote Farm Pit	8/7/2019	Modification	17.3
Saratoga							
Corinth	Corinth Central School Distric	MINE	50549	Corinth Pit	7/15/2019	Renewal	3.0
Edinburg	Edinburg, Town of	MINE	50245	Ide Pit	3/27/2019	Renewal	11.0
Edinburg	Edinburg, Town of	MINE	50285	Dimick Sand Pit	3/4/2019	Renewal	3.0
Galway	William M Larned & Sons Inc	MINE	50610	Larned Mine Site-Galway	5/20/2019	Renewal	2.5
Greenfield	Peckham Materials Corp	MINE	50265	Coy Rd Pit	7/23/2019	Renewal	88.5
Hadley	Hadley, Town of	MINE	50659	Harris Road Pit	6/23/2019	Renewal	5.5
Halfmoon	James H Maloy Inc	MINE	50632	Halfmoon Clay Bank	5/1/2019	Renewal	5.0
Halfmoon	R J Valente Gravel Inc	MINE	50507	Ruchlicki Pit	12/26/2019	Renewal	49.4
Halfmoon	Stiles Excavating & Trucking I	MINE	50168	Stiles Excavating And Trucking Mine	10/6/2019	Renewal	6.0
Halfmoon	Stiles Excavating & Trucking I	MINE	50526	Tabor Rd Pit	4/3/2019	Renewal	6.0
Halfmoon	William M Larned & Sons Inc	MINE	50476	Lower Newtown Road Site	7/22/2019	Renewal	26.6
Milton	Ingles, Raymond	MINE	50613	Ingles Pit	6/3/2019	Renewal	25.0
Milton	R & D Oakes Construction	MINE	50491	Munter Pit	1/16/2019	Renewal	12.4
Moreau	Lehigh Cement Company LL	MINE	50021	Glens Falls Quarry	8/23/2019	Modification	286.0
Northumberland	Morning Star Excavating Inc	MINE	50892	Morning Star Mine	1/17/2019	Modification	14.2
Providence	Milton, Galway & Providence,	MINE	50120	Tri-Town Gravel Pit	6/23/2019	Renewal	29.8
Providence	Pita, Joseph L	MINE	51076	Barkersville Mine	2/22/2019	New	4.8
Schenectady							
Rotterdam	William M Larned & Sons Inc	MINE	40469	Fessenden Shale Mine (aka Fessen	9/16/2019	Renewal	5.7
Rotterdam	William M Larned & Sons Inc	MINE	40564	Larned Fuez Rd. Subdivision	12/17/2019	Renewal	10.7
Schoharie							
Cobleskill	Cobleskill Stone Products Inc	MINE	40077	Cobleskill Quarry	9/17/2019	Renewal	102.0
Cobleskill	Cobleskill Stone Products Inc	MINE	40209	Howes Cave Quarry	12/9/2019	Modification	137.0
Gilboa	Gilboa, Town of	MINE	40510	Flat Creek Road Gravel Mine	3/22/2019	Renewal	14.7
Jefferson	Jefferson, Town of	MINE	40100	Peck Street Pit	3/1/2019	Renewal	16.0
Schoharie	Cobleskill Stone Products Inc	MINE	40094	Schoharie Quarry	10/9/2019	Renewal	99.0

Mined Land Permits Issued During 2019

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Schuyler							
Montour	Wixson Sand and Gravel LLC	MINE	80862	Wixson Sand & Gravel	8/19/2019	Modification	14.2
Seneca							
Waterloo	Dendis Sand & Gravel Inc	MINE	80627	Dendis Pit	3/27/2019	Renewal	25.6
Waterloo	Dendis Sand & Gravel Inc	MINE	80627	Dendis Pit	3/27/2019	Renewal	25.6
St. Lawrence							
Colton	Upstone Materials Inc	MINE	60057	Cold Brook Pit	2/6/2019	Renewal	13.0
Edwards	French, Wayne	MINE	60461	Edwards Operation	11/20/2019	Renewal	9.0
Lawrence	Lawrence, Town of	MINE	61154	Priest Sand Mine	8/20/2019	New	4.9
Lisbon	Curran Logging Inc	MINE	60867	Lisbon Topsoil Mine	1/14/2019	Renewal	63.9
Morristown	Stout's Ready Mix Ltd	MINE	60527	Gravel Pit 2	12/16/2019	Renewal	3.8
Norfolk	Curran Logging Inc	MINE	61152	Van Kennen Topsoil	6/24/2019	New	19.9
Oswegatchie	Gerald A. and Mildred Anne	MINE	60163	Eel Wier Mine	10/16/2019	Renewal	39.0
Oswegatchie	Hanson Aggregates New Yor	MINE	60950	Oswegatchie Quarry	12/10/2019	Renewal	12.0
Parishville	Upstone Materials Inc	MINE	60054	Chapel Hill Road Mine	9/23/2019	Renewal	50.1
Parishville	Upstone Materials Inc	MINE	60910	Parishville Bank	9/11/2019	Renewal	26.1
Parishville	Ward Excavating & Paving In	MINE	61128	Ward Gravel Pit	3/11/2019	Modification	2.0
Stockholm	Curran Logging Inc	MINE	60756	Schwartz #2 mine	1/4/2019	Renewal	35.2
Steuben							
Avoca	Cohocton, Town of	MINE	80753	Harter Bros. Pit	9/6/2019	Renewal	8.4
Avoca	Hubbard, Timothy	MINE	80665	Hub-Boy Gravel Products	8/6/2019	Modification	19.6
Bath	Hanson Aggregates New Yor	MINE	80033	Bath S&G Mine	2/22/2019	Renewal	147.1
Bath	Hanson Aggregates New Yor	MINE	80567	Kanona S&G Mine	9/23/2019	Renewal	81.4
Bath	Howard, Town of	MINE	80554	Helm Pit	3/29/2019	Renewal	15.0
Bath	ROSCO Holdings LLC	MINE	80714	Knowles Mine	12/30/2019	Modification	19.5
Bradford	Machuga, Edward J	MINE	80039	Machuga Mine	5/3/2019	Modification	27.1
Campbell	Dalrymple Gravel & Contracti	MINE	80796	Smith Gravel Mine	7/15/2019	Modification	92.4
Cohocton	River Road Gravel LLC	MINE	80090	Crouch Pit	12/30/2019	Renewal	5.0
Corning	Steuben Contracting Inc	MINE	80008	East Corning Pit	1/29/2019	Modification	139.2
Corning	Steuben Contracting Inc	MINE	80380	Steele Pit	1/29/2019	Modification	33.2
Erwin	Dalrymple Gravel & Contracti	MINE	80769	Smith Hill Road Pit	9/11/2019	Modification	97.0
Erwin	Glenn O Hawbaker Inc	MINE	80527	Scudder Mine - Indian Hills Road	12/20/2019	Renewal	46.0
Pulteney	Pulteney, Town of	MINE	80179	Spitz Pit - Pit 2	1/9/2019	Renewal	6.0

Mined Land Permits Issued During 2019

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Suffolk							
East Hampton	Disunno, Mike & Son	MINE	10039	Disunno Sand And Gravel	5/11/2019	Renewal	4.5
Smithtown	All Island Mason Supply Inc	MINE	10076	All Island Mason Supply Inc Mine	10/31/2019	Renewal	16.0
Smithtown	R Schleider Contracting Corp	MINE	10061	R Schleider Contracting	3/22/2019	Renewal	21.0
Southampton	Huntington Ready Mixed Con	MINE	10034	Huntington Ready Mix	3/29/2019	Modification	32.9
Southampton	Sand Land Corp	MINE	10033	Sand Land Mining	3/15/2019	Renewal	34.5
Sullivan							
Mamakating	JML Quarries Inc	MINE	30007	Masten Lake Mine	3/26/2019	Renewal	239.1
Mamakating	Metro Recycling & Crushing I	MINE	30530	Phillipsport Bank	9/30/2019	Renewal	12.7
Tioga							
Barton	Austin's Excavating And Pavi	MINE	70657	Hubish Mine - Milltown, Pa.	4/17/2019	Modification	14.3
Candor	H L Robinson Sand & Gravel	MINE	70473	Robinson Sand And Gravel - NYS R	6/12/2019	Renewal	42.9
Spencer	Angelo Sand and Gravel Inc	MINE	70011	Spencer Pits #1 And #2 NYS Route	11/6/2019	Modification	86.2
Tioga	F S Lopke Contracting Inc	MINE	70030	Owego Plant	10/1/2019	Modification	262.3
Tioga	Tioga, Town of	MINE	70662	Highway Mine	2/26/2019	Renewal	12.0
Ulster							
Lloyd	Magliato Brothers Inc	MINE	30310	Lloyd Mine	11/27/2019	Renewal	12.0
Rochester	Rochester, Town of	MINE	30311	Krum Rd.	4/9/2019	Renewal	14.8
Saugerties	Parr, William C	MINE	30154	Parr Shale Pit	8/2/2019	Renewal	9.0
Shawangunk	Pirog & Garvey Excavating C	MINE	30392	Stewart Farm Mine	8/2/2019	Renewal	33.0
Shawangunk	Ulster Farms & Materials Inc	MINE	30616	Shawangunk Materials Mine	2/12/2019	Modification	10.0
Ulster	Leo Boice & Sons Inc	MINE	30636	Sawkill Mine	8/29/2019	Renewal	3.1
Ulster	New York Drilling Services In	MINE	30153	Duke's Pit	4/3/2019	Modification	44.0
Warren							
Bolton	Kingsley, Donald J Jr	MINE	50827	Kingsley Sand & Gravel Bank	2/19/2019	Renewal	2.5
Chester	Hayes, Bradford	MINE	50332	Chestertown mine	9/18/2019	Renewal	6.2
Chester	Peckham Materials Corp	MINE	50031	Chestertown Quarry	1/16/2019	Modification	158.7
Johnsburg	Johnsburg, Town of	MINE	50064	Johnsburg Pit	1/28/2019	Renewal	11.0
Queensbury	O' Connor Realty Inc	MINE	50037	O'Connor Bank	6/5/2019	Renewal	42.3
Thurman	Carpenter, Rosalie	MINE	50513	Philip Carpenter Pit	10/16/2019	Renewal	4.7
Thurman	Thurman, Town of	MINE	50308	Erving Baker Road Pit	9/12/2019	Renewal	8.3
Warrensburg	Adk Rock Farm Inc	MINE	50523	ADK Rock Farm	1/3/2019	Renewal	10.3
Washington							
Easton	Boyce, William and Juanita	MINE	50972	Wilbur Ave Pit	5/9/2019	Modification	38.7

Mined Land Permits Issued During 2019

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Town	Company	Type	MineID	Mine Name	Issue Date	Type	Acres Affected
Washington							
Easton	Peckham Materials Corp	MINE	50034	Middle Falls Quarry	1/28/2019	Renewal	7.4
Fort Ann	Delaware & Hudson Railway	MINE	50867	Kelsey Pond Quarry	5/14/2019	Renewal	16.0
Fort Ann	Kingsbury, Town of	MINE	50071	Tripoli Pit	1/9/2019	Modification	13.5
Fort Ann	Washington County Dept of P	MINE	50002	Tripoli Sand & Gravel Pit	1/9/2019	Modification	19.2
Greenwich	B J Farms Inc	MINE	50917	Battenville Mine	6/6/2019	Renewal	14.1
Greenwich	B J Farms Inc	MINE	50917	Battenville Mine	2/1/2019	Modification	14.1
Greenwich	Corscadden, Gayle W	MINE	50521	Corscadden Pit	11/6/2019	Renewal	8.4
Greenwich	Shady Hill Farm Materials LL	MINE	51052	Irwin Farm Mine	7/8/2019	Renewal	8.0
Hartford	Jointa Galusha LLC	MINE	50891	Smiths Basin Mine	11/6/2019	Renewal	60.0
Jackson	Arnold Builders Corp	MINE	50150	Rte. 313 Gravel Mine	4/17/2019	Renewal	11.9
Jackson	Belton Farms Inc	MINE	50846	Murray Hollow	5/9/2019	Renewal	5.0
Kingsbury	Peckham Materials Corp	MINE	50033	Hudson Falls Quarry	3/4/2019	Renewal	109.3
Salem	Peckham Materials Corp	MINE	50328	E. Perry Bank	1/16/2019	Renewal	11.6
Salem	Salem Sand and Gravel LLC	MINE	50458	Salem mine	7/15/2019	Renewal	4.5
White Creek	Gulley, Carolyn & Jeremy	MINE	50557	Gulley Farm Pit	9/4/2019	Modification	17.0
Whitehall	Hagadorn, Andre & Graves,	MINE	50916	Dolph Pond Quarry	2/26/2019	Modification	13.0
Wayne							
Galen	Montemorano Bros Inc	MINE	80356	The Home Pit	9/13/2019	Renewal	39.8
Galen	Santo Montemorano Enterpri	MINE	80006	Montemorano Pit	6/12/2019	Modification	7.0
Huron	Furnaceville Holding LLC	MINE	80544	Alton Pit	7/15/2019	Modification	10.0
Macedon	Dendis Sand & Gravel Inc	MINE	80729	Daansen And Macedon Center Roa	6/5/2019	Renewal	6.5
Macedon	Smith, Gregory P	MINE	80605	Smith Gravel Pit	4/24/2019	Renewal	25.0
Sodus	Crushmore LLC	MINE	80710	Smith Gravel Pit	2/7/2019	Modification	37.0
Wolcott	Wolcott, Town of	MINE	80122	Maybe Bed	6/5/2019	Renewal	8.3
Wyoming							
Attica	Pembroke Sand & Gravel Inc	MINE	90618	Attica - Rt. 98 Site	7/9/2019	Modification	2.3
Yates							
Milo	Morehouse, Lee Michael	MINE	80856	Morehouse Gravel Pit	7/22/2019	Renewal	6.5
Starkey	Howell, Roy	MINE	80084	RK Howell Gravel Pit	10/10/2019	Modification	88.5

Mine Commodities 2019

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	497	476	281	195
Shale	2	4	167	169	28	141
Topsoil	0	1	22	22	22	0
County Totals	20	34	2,490	1,906	445	1,460
Allegany						
Clay	0	2	7	7	7	0
Glacial Till	0	2	3	2	2	0
Sand and Gravel	29	64	1,642	1,016	535	481
Sandstone	0	1	8	8	8	0
Shale	2	0	8	8	0	8
Topsoil	0	1	8	2	2	0
County Totals	31	70	1,676	1,043	554	489
Broome						
Bluestone	48	31	820	458	78	380
Clay	0	2	34	6	6	0
Glacial Till	0	3	19	19	19	0
Sand and Gravel	21	31	1,317	1,260	791	470
Shale	1	0	15	15	0	15
Topsoil	1	1	6	6	3	3
County Totals	71	68	2,210	1,764	897	868
Cattaraugus						
Clay	0	2	16	16	16	0
Glacial Till	0	2	8	8	8	0
Peat	1	0	9	8	0	8
Sand and Gravel	60	62	5,167	3,260	1,341	1,920
Shale	0	5	24	24	24	0
Topsoil	0	1	15	15	15	0
County Totals	61	72	5,239	3,331	1,404	1,928
Cayuga						
Clay	0	4	31	31	31	0
Glacial Till	0	2	26	26	26	0
Limestone	1	0	225	85	0	85
Sand and Gravel	12	49	1,055	562	337	224
Shale	0	1	0	0	0	0
County Totals	13	56	1,337	704	395	309

Mine Commodities 2019

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Chautauqua						
Clay	1	2	83	83	49	34
Glacial Till	1	2	57	49	28	21
Sand and Gravel	38	97	1,967	1,368	787	580
Sandstone	0	1	28	12	12	0
Shale	1	0	3	3	0	3
Topsoil	0	3	24	31	31	0
County Totals	41	105	2,163	1,546	908	638
Chemung						
Clay	0	1	4	4	4	0
Glacial Till	0	8	0	54	54	0
Sand and Gravel	20	45	987	883	593	290
Topsoil	0	3	59	35	35	0
County Totals	20	57	1,050	976	686	290
Chenango						
Bluestone	6	4	95	65	24	41
Clay	0	1	13	1	1	0
Sand and Gravel	29	52	1,291	1,042	383	660
Sandstone	2	0	129	37	0	37
Shale	2	6	17	17	14	3
Topsoil	0	2	18	6	6	0
County Totals	39	65	1,563	1,168	427	741
Clinton						
Clay	0	3	5	7	7	0
Dolostone	1	0	40	5	0	5
Limestone	5	1	262	187	3	184
Sand and Gravel	50	76	2,214	1,508	748	760
Sandstone	6	0	322	158	32	126
Topsoil	0	4	25	37	37	0
County Totals	62	84	2,868	1,902	827	1,075
Columbia						
Clay	0	6	48	111	111	0
Limestone	2	0	1,265	398	0	398
Peat	0	12	63	75	75	0
Sand and Gravel	22	34	1,217	951	435	516
Shale	0	1	3	3	3	0
County Totals	24	53	2,596	1,538	624	914
Cortland						
Glacial Till	0	2	9	5	5	0
Sand and Gravel	17	33	1,074	807	493	315
Shale	1	1	8	7	1	6
County Totals	18	36	1,092	819	499	321

Mine Commodities 2019

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
Delaware						
Bluestone	33	32	672	545	140	405
Clay	0	1	5	4	4	0
Sand and Gravel	27	68	920	780	456	324
County Totals	60	101	1,597	1,328	599	729
Dutchess						
Dolostone	2	0	818	821	4	817
Glacial Till	0	1	0	0	0	0
Granite	1	0	80	73	0	73
Peat	0	1	0	140	140	0
Sand and Gravel	37	91	2,787	2,610	1,842	768
Shale	0	1	0	5	5	0
Stone	0	1	70	70	70	0
County Totals	40	95	3,755	3,719	2,061	1,658
Erie						
Clay	0	13	205	203	203	0
Glacial Till	0	3	72	65	65	0
Limestone	3	0	1,488	1,222	0	1,222
Sand and Gravel	35	38	2,665	1,827	1,035	792
Shale	2	0	11	6	0	6
Topsoil	0	4	226	141	141	0
County Totals	40	58	4,667	3,464	1,444	2,021
Essex						
Clay	0	1	3	3	3	0
Granite	4	0	443	177	1	176
Iron Ore	0	1	138	138	138	0
Limestone	1	2	21	23	4	19
Sand and Gravel	32	50	983	647	254	392
Topsoil	0	2	17	27	27	0
Wollastonite	3	0	292	292	2	290
County Totals	40	56	1,897	1,307	430	877
Franklin						
Clay	1	0	51	26	6	20
Granite	1	0	108	78	0	78
Sand and Gravel	60	63	1,225	908	400	508
Sandstone	1	1	51	26	22	4
Topsoil	0	3	10	30	30	0
County Totals	63	67	1,445	1,067	457	610
Fulton						
Glacial Till	0	1	0	2	2	0
Granite	2	0	243	132	2	130
Sand and Gravel	25	27	988	567	263	304
Topsoil	0	1	8	7	7	0
County Totals	27	29	1,239	707	274	433

Mine Commodities 2019

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	1,712	909	407	502
County Totals	18	25	3,120	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	696	68	628
Sand and Gravel	6	19	257	219	184	35
Sandstone	1	1	133	83	4	79
Shale	6	5	315	226	47	179
Topsoil	0	1	8	8	8	0
County Totals	16	29	3,092	1,299	332	966
Hamilton						
Dolostone	1	0	35	33	4	29
Sand and Gravel	12	33	232	212	149	63
Stone	0	1	0	4	4	0
County Totals	13	34	267	249	157	92
Herkimer						
Clay	0	8	66	66	66	0
Dolostone	2	0	68	42	0	42
Limestone	3	0	724	525	6	519
Sand and Gravel	34	74	1,635	1,186	441	745
Topsoil	1	1	17	8	3	5
County Totals	40	83	2,510	1,827	516	1,311
Jefferson						
Clay	0	8	83	120	120	0
Dolostone	1	0	61	32	2	30
Granite	1	0	15	5	0	5
Limestone	16	8	1,330	1,112	293	819
Peat	0	2	23	14	14	0
Sand and Gravel	38	135	2,325	1,770	1,117	675
Shale	1	0	2	2	0	2
Topsoil	1	12	291	244	239	5
County Totals	58	165	4,129	3,299	1,785	1,536

Mine Commodities 2019

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	272	154	3	151
Sand and Gravel	24	92	877	753	439	314
Shale	1	11	59	58	55	3
Topsoil	0	1	0	3	3	0
Wollastonite	1	0	54	47	8	38
County Totals	30	108	1,268	1,020	515	506
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	1,370	1,063	739	324
County Totals	21	32	10,920	2,367	783	1,584
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	773	581	193
County Totals	11	29	1,661	1,386	728	658
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 2019

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	424	308	116
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	1,507	483	1,024
Oneida						
Clay	0	3	20	25	25	0
Industrial Sand	0	1	125	5	5	0
Limestone	2	0	347	274	14	260
Sand and Gravel	54	90	3,255	1,657	840	817
Shale	0	2	6	6	6	0
Topsoil	0	1	3	3	3	0
County Totals	56	97	3,756	1,970	893	1,077
Onondaga						
Clay	2	2	79	71	20	51
Glacial Till	0	15	178	185	185	0
Limestone	6	2	2,076	1,689	76	1,613
Sand and Gravel	23	31	1,374	1,070	562	508
Shale	1	3	76	30	8	22
Topsoil	3	4	224	176	116	60
County Totals	35	57	4,007	3,221	967	2,254
Ontario						
Clay	1	3	57	57	48	8
Glacial Till	0	1	0	9	9	0
Limestone	2	0	667	449	0	449
Sand and Gravel	31	29	2,790	2,123	1,054	1,069
Topsoil	0	1	0	8	8	0
County Totals	34	34	3,513	2,646	1,119	1,527
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	1,442	1,121	322
Shale	7	1	389	263	91	172
Topsoil	0	1	10	10	10	0
County Totals	32	72	2,106	1,833	1,255	579

Mine Commodities 2019

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	921	671	342	328
Sandstone	4	0	362	87	0	87
County Totals	17	21	1,596	1,007	416	590
Oswego						
Glacial Till	0	4	25	21	21	0
Industrial Sand	0	1	1	1	1	0
Sand and Gravel	92	98	5,334	2,966	1,421	1,545
Sandstone	1	0	7	3	0	3
Topsoil	4	4	186	110	71	39
County Totals	97	107	5,553	3,101	1,513	1,588
Otsego						
Bluestone	1	1	10	9	6	3
Clay	0	3	7	10	10	0
Sand and Gravel	28	36	1,050	917	503	414
Shale	1	2	10	6	1	5
Topsoil	0	1	2	0	0	0
County Totals	30	43	1,079	942	520	422
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	41	58	2,615	1,984	551	1,433
Sandstone	4	0	342	210	0	210
Shale	1	1	168	156	34	122
County Totals	47	63	3,204	2,423	603	1,820
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 2019

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	58	2,135	1,390	512	879
Shale	1	1	13	7	1	6
Topsoil	0	3	52	39	39	0
County Totals	58	70	3,468	2,272	711	1,561
Schenectady						
Clay	0	1	15	15	15	0
Peat	1	0	108	30	6	23
Sand and Gravel	6	7	342	284	96	187
Shale	1	1	26	11	6	5
County Totals	8	9	491	339	124	216
Schoharie						
Limestone	4	0	609	463	0	463
Sand and Gravel	10	13	212	199	88	111
Shale	2	5	27	24	10	15
County Totals	16	18	848	686	98	589
Schuyler						
Clay	0	1	0	20	20	0
Glacial Till	0	1	0	2	2	0
Sand and Gravel	11	21	527	416	166	250
Shale	0	1	0	1	1	0
Topsoil	0	1	2	2	2	0
County Totals	11	25	529	441	191	250
Seneca						
Clay	2	1	240	217	101	116
Limestone	1	0	515	445	0	445
Peat	1	0	65	49	23	26
Sand and Gravel	1	4	106	83	69	13
Shale	0	1	2	2	2	0
County Totals	5	6	928	795	196	600

Mine Commodities 2019

Mineral	Active Mines	Reclaimed Mines	Life Of Mine Acres	Affected Acres	Reclaimed Acres	Net Affected Acres
St. Lawrence						
Clay	0	9	132	128	128	0
Dolostone	3	0	518	343	107	235
Granite	1	0	13	10	0	10
Limestone	2	0	279	64	0	64
Marble	1	0	169	58	20	38
Sand and Gravel	81	157	3,122	2,250	1,243	1,019
Sandstone	0	1	20	5	5	0
Talc	0	2	194	190	190	0
Topsoil	3	22	622	471	412	59
Zinc	1	3	1,441	881	540	341
County Totals	92	194	6,509	4,399	2,645	1,767
Steuben						
Clay	0	1	0	25	25	0
Glacial Till	0	6	11	55	55	0
Sand and Gravel	67	86	3,190	2,790	1,132	1,659
Sandstone	1	0	92	91	0	91
Topsoil	1	2	17	17	13	4
County Totals	69	95	3,309	2,979	1,225	1,754
Suffolk						
Sand and Gravel	23	56	2,017	2,015	799	1,216
County Totals	23	56	2,017	2,015	799	1,216
Sullivan						
Sand and Gravel	17	51	805	745	501	244
Sandstone	4	1	1,226	879	2	877
Shale	2	1	12	7	3	4
County Totals	23	53	2,043	1,630	506	1,125
Tioga						
Glacial Till	0	2	3	5	5	0
Sand and Gravel	23	44	2,160	1,727	996	731
Topsoil	2	1	71	30	14	16
County Totals	25	47	2,234	1,762	1,015	746
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	110	17
Sand and Gravel	12	24	590	432	202	229
Topsoil	0	2	2	5	5	0
County Totals	15	30	761	595	332	263

Mine Commodities 2019

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	24	51	1,232	926	597	330
Sandstone	2	1	63	43	4	39
Shale	12	20	276	217	106	112
Topsoil	0	1	0	10	10	0
County Totals	45	80	2,403	1,615	854	761
Warren						
Garnet	1	1	250	223	55	168
Granite	1	0	183	159	0	159
Limestone	0	1	21	21	21	0
Sand and Gravel	30	25	868	504	135	369
County Totals	32	27	1,321	906	211	696
Washington						
Clay	0	2	10	10	10	0
Glacial Till	0	1	0	1	1	0
Granite	11	0	680	231	2	230
Limestone	4	0	430	213	0	213
Sand and Gravel	35	57	1,395	996	518	478
Sandstone	1	1	135	41	1	40
Shale	1	1	16	8	6	2
Topsoil	0	3	75	60	60	0
County Totals	52	65	2,741	1,559	597	962
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	1,527	737	790
Topsoil	0	1	1	1	1	0
County Totals	36	75	3,411	2,016	809	1,207
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 2019

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	22	32	953	525	329	196
Topsoil	0	1	15	15	15	0
County Totals	22	34	976	548	352	196
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	1,817	3,102	144,331	97,401	37,893	59,548

Mines With Final Reclamation During 2019

1/3/2020

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Broome						
Binghamton	Cooley, Robert	71034	Edwards Quarry	Bluestone	7/11/2019	1.0
Conklin	J.N. Giammarino Const. Inc	71031	Saunders Quarry	Bluestone	6/21/2019	1.0
Cattaraugus						
Conewango	Country Side Sand & Gravel Inc	90613	Yoder Gravel Pit	Sand and Gravel	7/15/2019	14.0
Napoli	Mack Enterprises LLC	90701	Mack Enterprises Gravel Pit	Sand and Gravel	6/19/2019	4.0
Napoli	Napoli, Town of	90713	Town Barns Gravel Pit	Sand and Gravel	8/13/2019	9.0
Cayuga						
Mentz	Leema Excavating Inc	70624	South Street Pit - Port Byron Village	Sand and Gravel	9/11/2019	3.0
Chautauqua						
Charlotte	Lebaron, Teddy & Beverly	90720	Snobelt Farms Gravel Mine	Sand and Gravel	8/7/2019	6.5
Pomfret	Longhouse Estate Inc.	90025	Longhouse Estate Inc. Pit	Sand and Gravel	7/24/2019	26.7
Clinton						
Beekmantown	Lake City Gravel Inc	50702	Davis Pit	Sand and Gravel	7/2/2019	14.2
Moers	Fewster, Allan	51008	ALM Minerals	Sand and Gravel	8/15/2019	4.3
Cortland						
Homer	Suit-Kote Corp	70400	South Homer Mine -Nys Rt 11	Sand and Gravel	5/15/2019	45.5
Delaware						
Hamden	Griffin, Jody & Joel / J & J Blueston	40845	Giordano/Lombardi Authorization	Bluestone	5/30/2019	3.0
Hancock	Johnston & Rhodes Bluestone Co	40756	Mcbride / Yarrish Quarry	Bluestone	7/10/2019	3.8
Dutchess						
Dover	R & J Materials, LLC	30599	Chestnut Ridge Rd Mine	Sand and Gravel	10/30/2019	8.5
Dover	Vincent Sand & Gravel Company LL	30056	Vincent Sand & Gravel Mine	Sand and Gravel	5/6/2019	48.6
Milan	Hermans, John & Richard	30098	Academy Hill Road Bank	Sand and Gravel	7/11/2019	4.0
Milan	Rock City Sand & Gravel Corp	30564	Rock City Sand & Gravel Pit	Sand and Gravel	10/30/2019	8.3
Erie						
Newstead	Frey, Joseph	90429	Billo Road Pit	Sand and Gravel	9/24/2019	27.5
Franklin						
Burke	Johnston, James W	50883	Johnston Property	Sand and Gravel	10/4/2019	22.5

Mines With Final Reclamation During 2019

1/3/2020

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Hamilton						
Indian Lake	Indian Lake, Town of	50884	Brown Pit	Sand and Gravel	11/21/2019	2.0
Long Lake	Roblee, James C	50713	Jim Farr Pit #1	Sand and Gravel	6/4/2019	4.9
Jefferson						
Ellisburg	Thomas Excavating LLC	61087	Towles Sand Pit	Sand and Gravel	8/12/2019	12.7
Henderson	Crystal Ponds Property LLC	61126	Butterville Mine	Sand and Gravel	10/8/2019	3.1
Lewis						
Croghan	Hoch, William J	61102	Hoch Pit	Sand and Gravel	8/2/2019	2.7
New Bremen	Schneider, Thomas	60024	Lehman Pit	Sand and Gravel	9/19/2019	8.4
Onondaga						
Dewitt	Alpha Jamesville Corporation	70626	Alpha Jamesville	Limestone	7/18/2019	60.0
Oswego						
Hannibal	Stupp, Christopher Sr	70727	Simmons Gravel Pit #2, Old Rt. 104	Sand and Gravel	6/11/2019	8.0
Scriba	Syracuse Sand & Gravel LLC	70426	Slater Pit, Klocks Corner Rd.	Sand and Gravel	8/7/2019	4.0
Otsego						
Hartwick	Seward Sand & Gravel Inc	40548	Ingalls Pit/Rt.28	Sand and Gravel	10/15/2019	19.7
Rensselaer						
Berlin	Cowee Forest Products LLC	40662	Northeast Pit	Sand and Gravel	7/2/2019	3.4
Berlin	Cowee Forest Products LLC	40663	Southwest Pit	Sand and Gravel	7/2/2019	2.8
Pittstown	R M Bacon LLC	40869	Persons Mine	Sand and Gravel	11/7/2019	1.5
Saratoga						
Moreau	D A Collins Construction Company	50455	Robert Shaw Pit	Sand and Gravel	8/22/2019	12.0
St. Lawrence						
Brasher	JMT Property Associates LLC	61139	White Topsoil Mine	Topsoil	8/6/2019	18.4
Lawrence	Lawrence, Town of	61034	Town of Lawrence Sand Mine	Sand and Gravel	7/23/2019	5.0
Massena	Perras Excavating Inc	61030	Polarolo Mine	Clay	8/6/2019	8.0
Norfolk	Curran Logging Inc	60502	Schwartz #1 Pit	Sand and Gravel	10/1/2019	13.0
Part	Perras Excavating Inc	61145	Beckstead Topsoil Mine	Topsoil	8/6/2019	17.0
Sullivan						
Thompson	Sullivan County Division of Solid Wa	30637	Landfill Mine	Sand and Gravel	11/12/2019	8.0

Mines With Final Reclamation During 2019

1/3/2020

Town	Company	MineID	Mine Name	Commodity	Date	AcresAffected
Tioga						
Owego	Syracuse Sand & Gravel LLC	70733	Dellapenna Pit	Sand and Gravel	9/11/2019	9.7
Ulster						
Plattekill	Modena Sand And Gravel	30537	Lembo Apple Mine	Sand and Gravel	10/23/2019	10.0
Rochester	Rochester, Town of	30077	Airport Rd.	Sand and Gravel	11/15/2019	18.0
Rochester	Rochester, Town of	30569	Route 209 Mine	Sand and Gravel	11/15/2019	6.8
Washington						
Dresden	Dedrick, Richard	50819	Dedrick's Dresden Station Sand Pit	Sand and Gravel	10/10/2019	0.6
Jackson	Rifenburg Construction Inc	50385	Carlton Farm Pit	Sand and Gravel	5/7/2019	26.0
Wyoming						
Wethersfield	Man O' Trees Inc	90527	Walton Gravel Pit	Sand and Gravel	9/24/2019	8.0