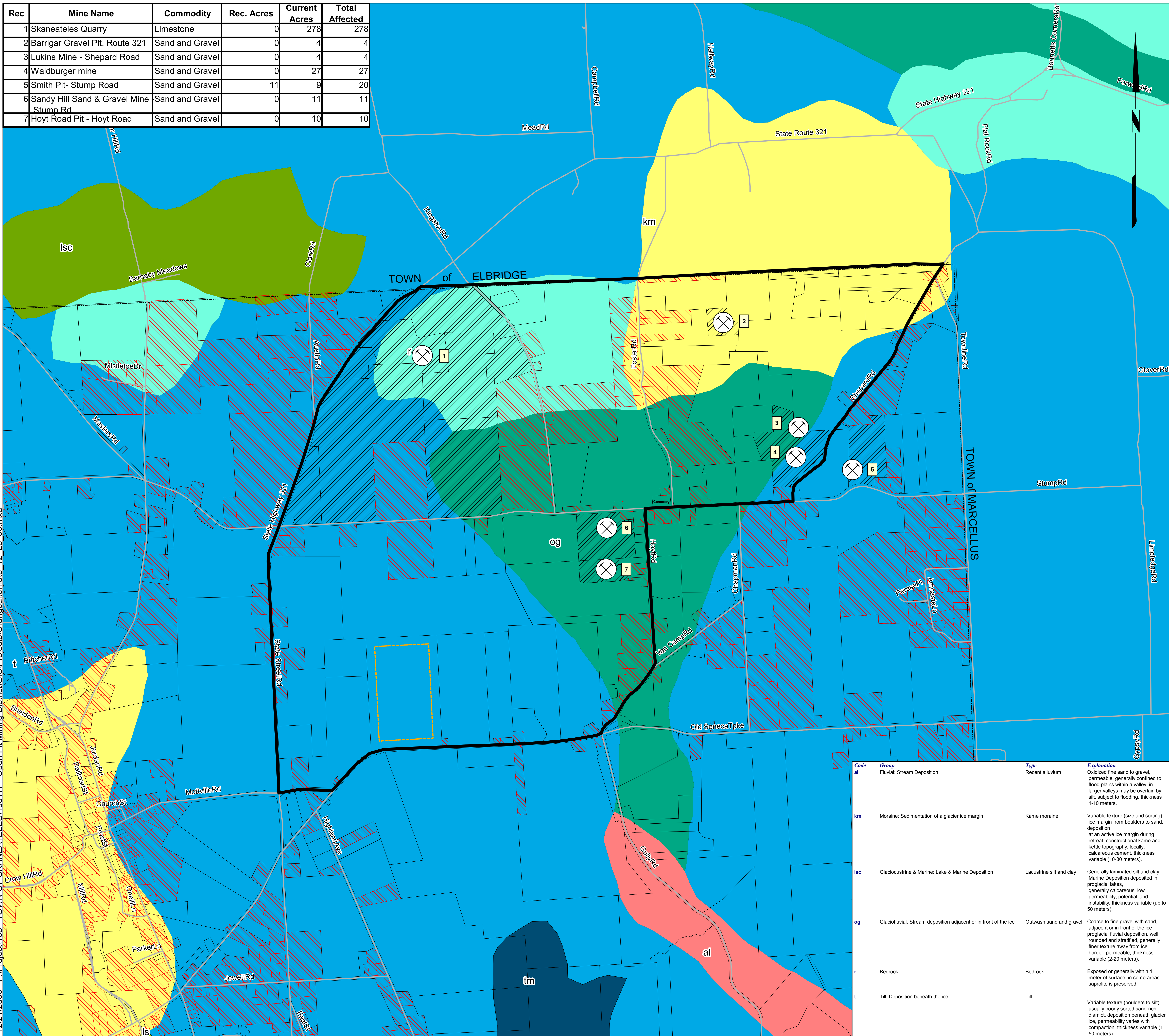


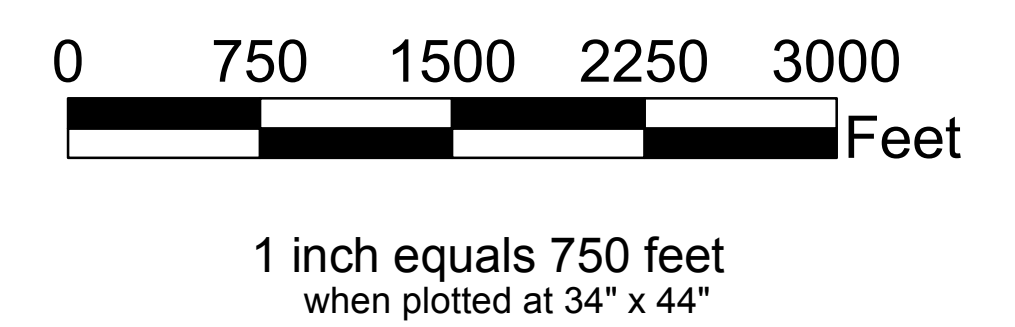
Rec	Mine Name	Commodity	Rec. Acres	Current Acres	Total Affected
1	Skaneateles Quarry	Limestone	0	278	278
2	Barrigar Gravel Pit, Route 321	Sand and Gravel	0	4	4
3	Lukins Mine - Shepard Road	Sand and Gravel	0	4	4
4	Waldburger mine	Sand and Gravel	0	27	27
5	Smith Pit- Stump Road	Sand and Gravel	11	9	20
6	Sandy Hill Sand & Gravel Mine Stump Rd	Sand and Gravel	0	11	11
7	Hoyt Road Pit - Hoyt Road	Sand and Gravel	0	10	10



Legend

- Mines
- Surficial Geology**
- al
- km
- lsc
- og
- r
- t
- Skaneateles Townline
- Mining Area Permitted Typical
- Proposed Mining District
- Parcels**
- Parcels
- Mining & Quarrying
- Residential

Sources: Mine information from NYS DEC; Geology data from NYS Geological Survey; Parcel data from OCWA; Parcel data adjusted from original OCWA data based on actual mining extent; Skaneateles road data from SOCPA; All other road data from CUGIR Tiger Data.



Code	Group	Type	Explanation
al	Fluvial: Stream Deposition	Recent alluvium	Oxidized fine sand to gravel, permeable, generally confined to flood plains within a valley, in larger valleys may be overlain by silt, subject to flooding, thickness 1-10 meters.
km	Moraine: Sedimentation of a glacier ice margin	Kame moraine	Variable texture (size and sorting) ice margin from boulders to sand, deposition at an active ice margin during retreat, constructional kame and kettle topography, locally, calcareous cement, thickness variable (10-30 meters).
lsc	Glaciocustrine & Marine: Lake & Marine Deposition	Lacustrine silt and clay	Generally laminated silt and clay, Marine Deposition deposited in proglacial lakes, generally calcareous, low permeability, potential land instability, thickness variable (up to 50 meters).
og	Glacioluvial: Stream deposition adjacent or in front of the ice	Outwash sand and gravel	Coarse to fine gravel with sand, adjacent or in front of the ice, proglacial fluvial deposition, well rounded and stratified, generally finer texture away from ice border, permeable, thickness variable (2-20 meters).
r	Bedrock	Bedrock	Exposed or generally within 1 meter of surface, in some areas saprolite is preserved.
t	Till: Deposition beneath the ice	Till	Variable texture (boulders to silt), usually poorly sorted sand-rich diamict, deposition beneath glacier ice, permeability varies with compaction, thickness variable (1-50 meters).

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NEW MINING OPERATIONS WITHIN THE MINING DISTRICT SHALL NOT BE PERMITTED WITHIN 200 FEET OF PROPERTY LINES OR WITHIN 100 FEET OF A WATERCOURSE

C&S COMPANIES ENGINEERS DESIGN BUILD TECHNICAL RESOURCES OPERATIONS

Skaneateles, NY
~~Proposed~~ Mining District Boundary
 Orange Alternate
 Current Mining Locations
 Surficial Geology