

PROPOSED RECLAMATION PLAN FOR: Mack Quarry

GENERAL INFORMATION:

Operator Name/Address: David Mack
27149 Cty T
Norwalk, WI 54648
608-343-0401

Property Owner: Same

Parcel Number/Site ID#: 016-00059-0000

Property Description: NE1/4 of the SE ¼ of Sec.3 T15N R3W

SITE INFORMATION:

Current Property Use/Description:

Site is currently woods with rock outcroppings. Some mining had been done many years ago to expose some rock. Adjoining acreage is cropland and woodlands.

Description of Mineral Deposit:

Limestone is the primary mineral deposit. Some sand may be excavated if mining reaches a level where sand is present.

Topsoil:

Very little topsoil is on the site. Any existing topsoil will be stripped and stockpiled for use during reclamation. If topsoil is sold, an equal or greater amount needs to be supplied during reclamation.

Biological Resources: *(Information available on types of plant life, wildlife species, etc)*

Woodland consists of Oak/Maple/Ash hardwood forest type. Some Red Cedar may exist on exposed slopes with shallow soils. Wildlife commonly found in this habitat is White tailed Deer, Wild Turkey, and Squirrels. Predators such as Red Fox and Coyote are also present.

MAPS:

Maps must be provided which indicate the following information. In many cases, items can be combined onto one map to reduce the number of maps being provided.

- Γ Current Site Characteristics including previously mines areas, water retention basins, structures, etc. **(Only required for existing mine sites)**
- Γ General Location Map
- Γ Property Boundaries
- Γ Aerial Extent – proposed area to be mined
- Γ Designated Phases for Mining/Reclamation
- Γ Geologic Composition and Depth of Deposit
- Γ Distribution, Thickness and Type of Topsoil
- Γ Depth to Groundwater Information
- Γ Location of Surface Waters
- Γ Existing Drainage Patterns
- Γ Existing Topography – Contour Maps
- Γ Manmade Features on or Near Site (homes, ponds, etc)
- Γ Final Site Topography – Contour Maps
- Γ Final Site Characteristics

PROPOSED POST MINING LAND USE: *(Describe in detail the proposed mining land use, how phasing will be used for reclamation, etc. Also include information on zoning and applicable land use planning.)*

Post mining land use will be wildlife habitat.

RECLAMATION MEASURES:

Description of Phases and Estimated Time-frames:

Mining will occur for 20 – 30 years, with small amounts opened each year. Reclamation will occur in phases. As more area is opened to mining, areas that are no longer needed will be reclaimed using existing overburden to shape slopes along any existing high walls.

Handling of Topsoil:

Topsoil will be stockpiled and seeded until needed. If existing topsoil is sold, an equal or greater amount will be required to be hauled to the site.

Proposed Slopes and Grades:

All slopes will be graded to 3:1 or flatter. This will include areas above the highwall that consist of overburden, as well as any material placed against the highwall.

Description of Grading Methods: *(Including equipment, methods, etc)*

Grading will be done with bulldozers and tracked backhoes. An ATV and drag may be required to prepare surfaces for seeding.

RE-VEGETATION MEASURES: *(Describe activities for re-vegetation of the property including grading, seed mixes, seeding rates, soil amendments, when seeding will occur, erosion control methods, etc.)*

Seed Mixes, Seeding Rates and Schedule: *(Include discussion on proposed time-frame for seeding to achieve best results. Seed mixes and rates may be submitted as an attachment)*

A seed mix consisting of introduced grasses such as a premixed pasture mix can be used for seeding of piles and slopes. If desired, native prairie grasses can be seeded in lieu of the pasture mix. Both mixes must be accompanied with a cover crop of oats, wheat or rye. Areas susceptible to erosion will be mulched immediately after seeding.

Erosion Control Methods:

Silt fencing, mulching and erosion control netting may be required to stabilize sites. Also diversions or grassed waterways may be installed to divert and or control water flow, especially in high flow areas.

CRITERIA FOR ASSESSING RECLAMATION: *(Describe what criteria will be used to determine that the reclamation is successful – including re-vegetation efforts.. Examples include comparison to a reference plot, baseline data from photographs and plant counts, etc.)*

Successful reclamation will be determined by the Regulatory Authority. (RA) (in this case the Monroe County Land Conservation Department) A request for approval of reclamation must be submitted from the operator to the RA. The RA will inspect the site to determine if all reclamation practices have been properly installed. Vegetation is defined as adequate plant cover to prevent erosion during normal rainfall events. Vegetation must be actively growing for at least 1 full growing season before it can be considered established. Reseeding may be required on sites where vegetation failed to catch, or erosion occurred. A notice of successful reclamation will be issued, along with the return of financial assurance, to the operator with in 60 days of successful reclamation as determined by the RA.

CERTIFICATION:

Operator:

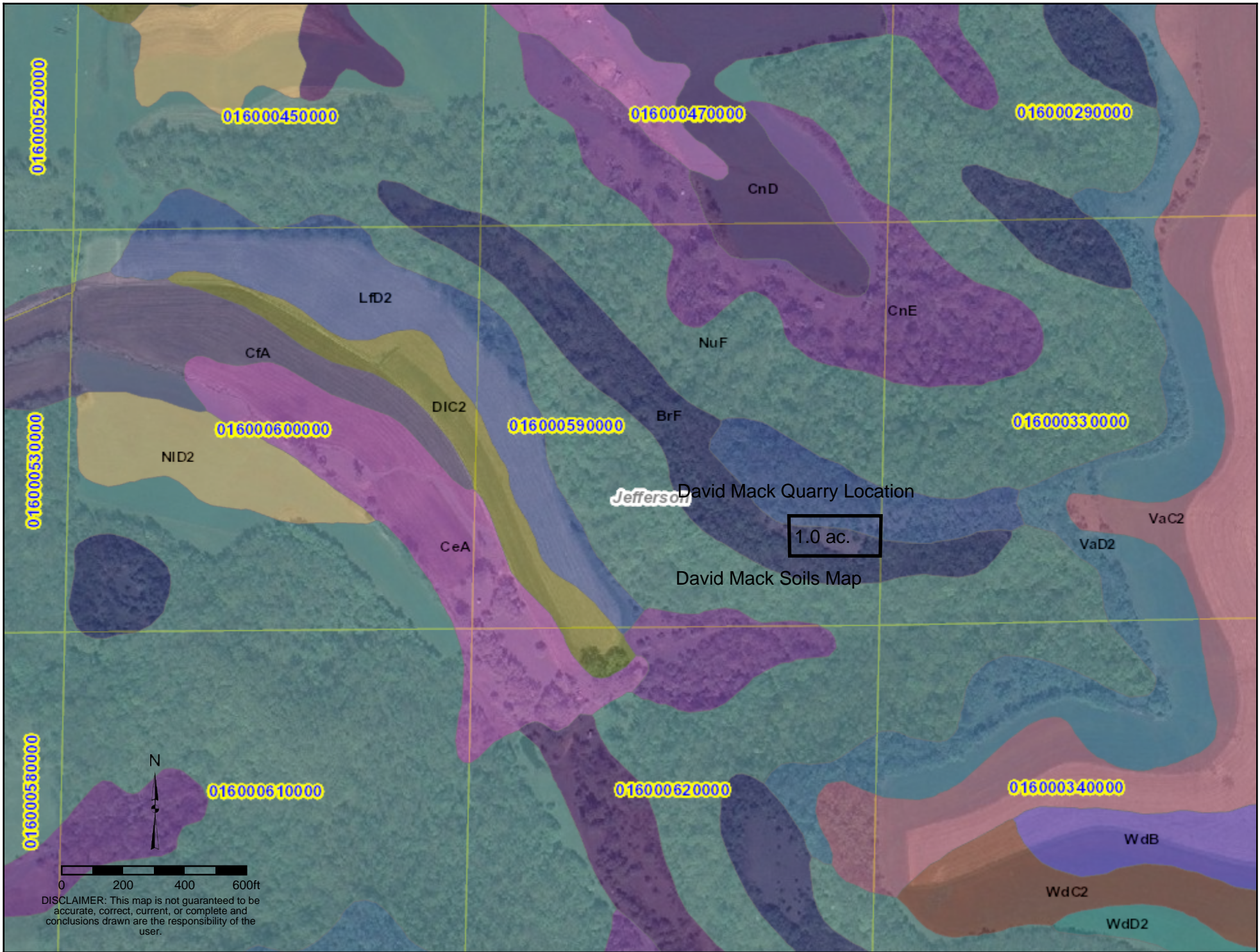
I, _____, as an authorized representative of _____, certify that the proposed reclamation of the site referenced in this document will be carried out in accordance with the proposed reclamation plan and any subsequent, approved changes.

Owner and/or Lessee:

I, _____, certify that I concur with the reclamation plan submitted and will allow its implementation.

(If the mine operator has submitted a reclamation plan for an existing mine in accordance with an automatic permit or if the operator has submitted a reclamation plan for a new or reopened mine which is located on land for which a lease agreement or memorandum of lease between the landowner and applicant was recorded prior to August 1, 2001, a certification is not required from the owner or lessee. However, the operator must provide written evidence that the landowner and lessee, if different from the operator, has been provided with a written copy of the reclamation plan)

Financial Assurance:	<u>Ac.</u>	<u>Cost/Ac.</u>	<u>Total</u>
Shaping and Grading of slopes and overburden	1	\$1500	\$1500
Seeding and Mulching installing erosion control measures.	1	\$1500	\$1500
Total			\$3,000

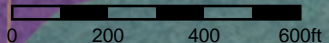


1.0 ac.

David Mack Quarry Location

David Mack Soils Map

Jefferson



DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

**Topographic Map
Dave Mack Quarry
Section 3, T15N-R3W**

