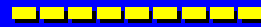




PANEL IV DATA DELIVERY



DATABASE USER INFORMATION: FORMS AND MANIPULATION

CHARLES E. BANKS --- Ohio Division of Geological Survey, Columbus, Ohio

*The Underground Mine Mapping Workshop
June 1 & 2, 2005
Pittsburgh, Pennsylvania USA*

DATA DELIVERY

Providing:

Project Assistance Via Contracted Work

GIS and Geological Information

GIS Data

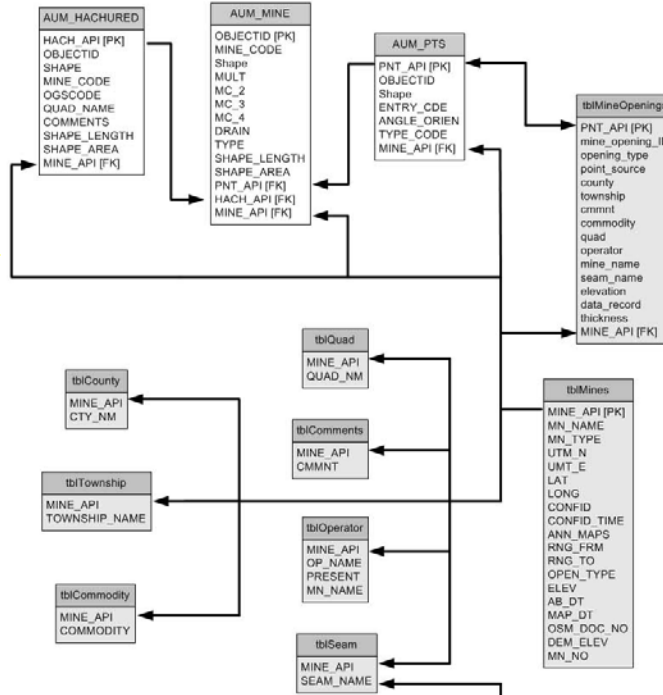
GIS Maps

to state agencies such as ODOT

AUM Data Model

AUM System & Overburden Application Data Model

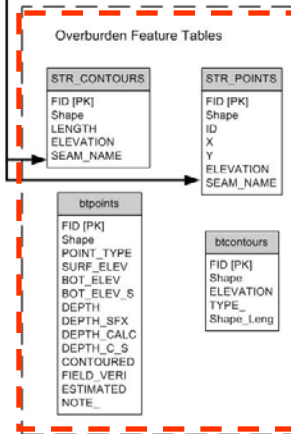
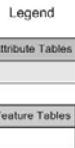
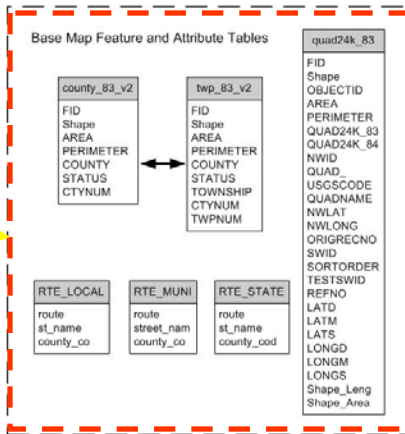
AUM Application Feature and Attribute Tables



Relationship Links

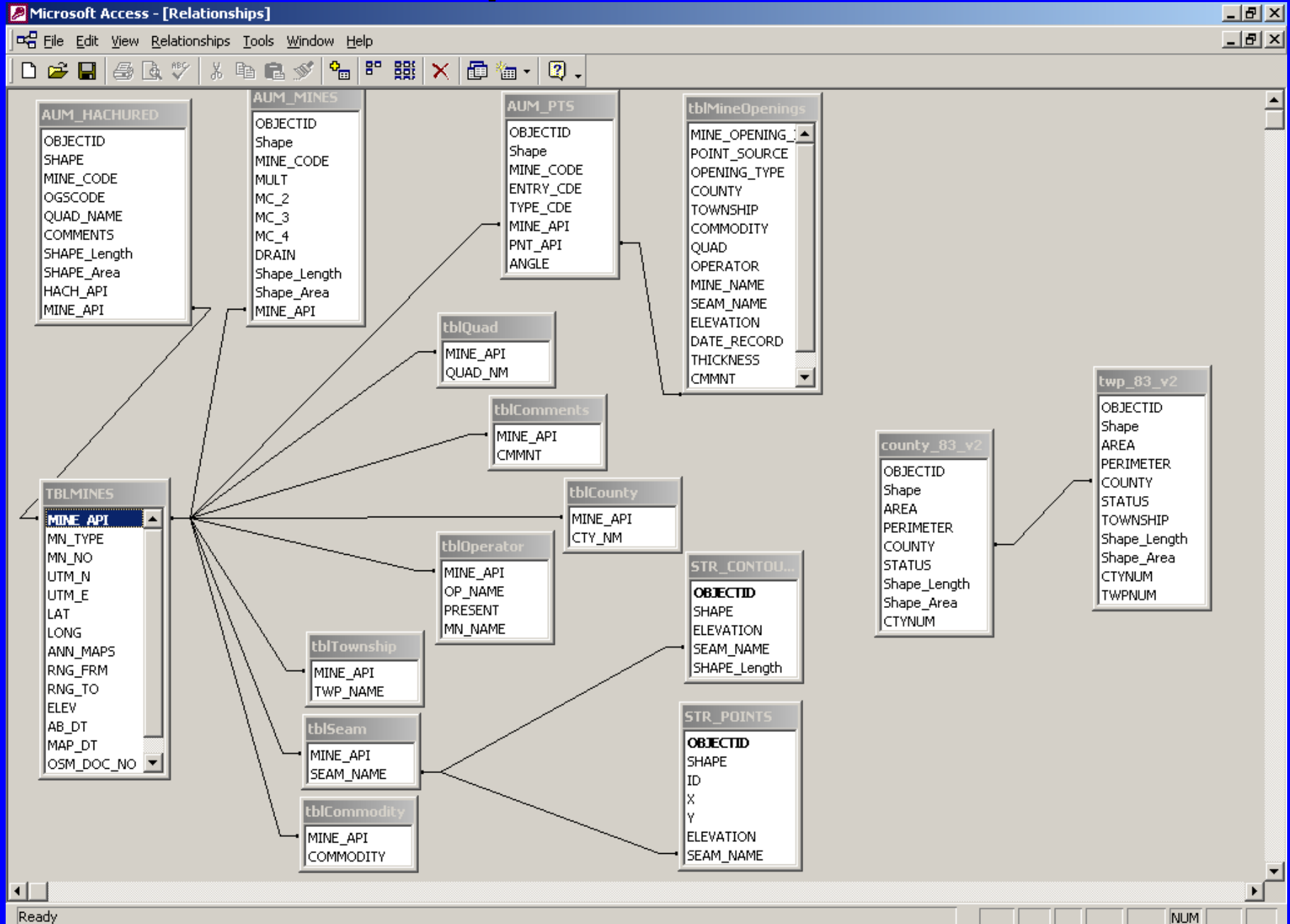
AUM Feature Class and Attribute Tables

Base Map Feature Class and Attribute Tables



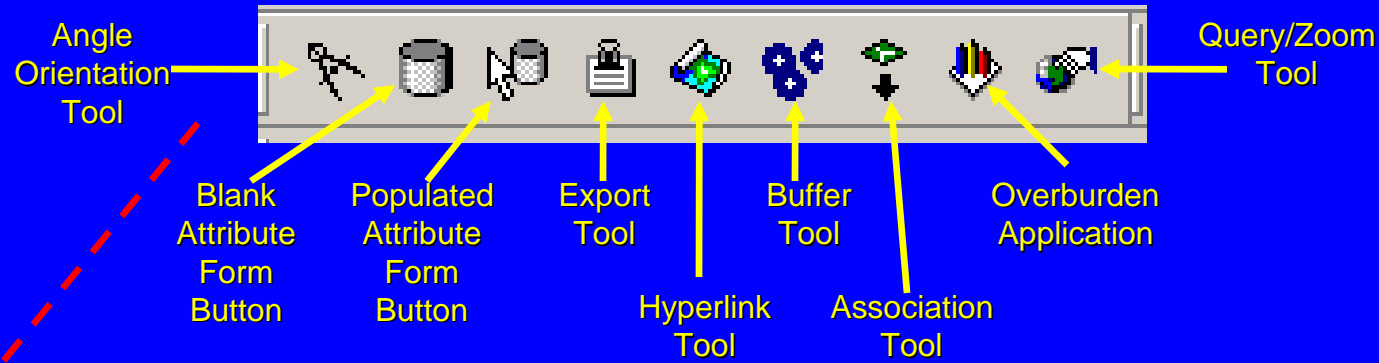
Overburden Feature Tables

AUM Data Model Implementation in Microsoft Access

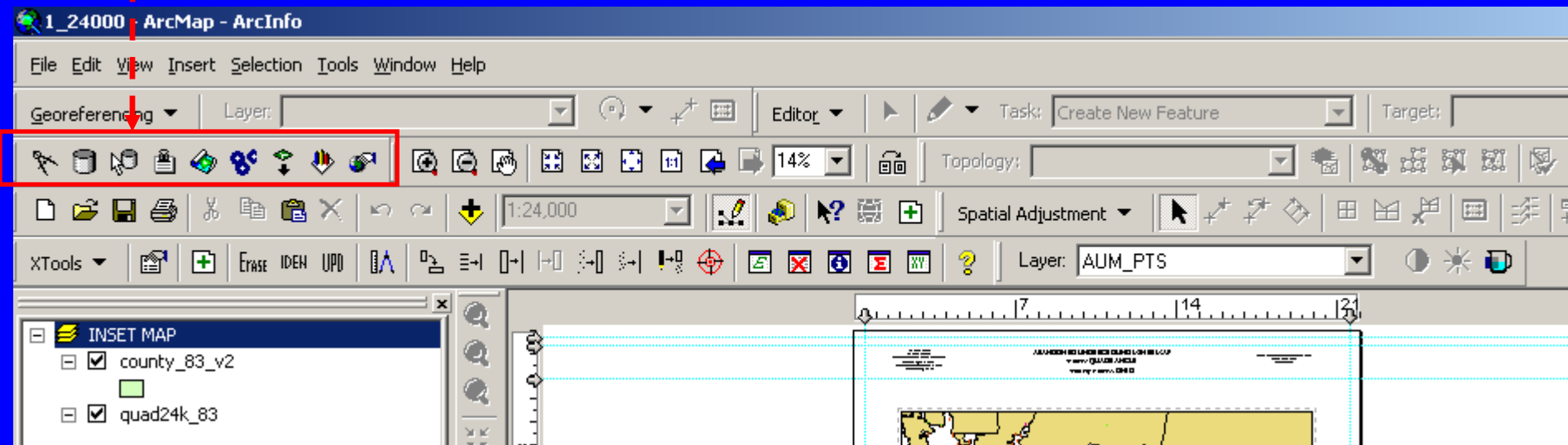


Ready

The AUM and Overburden Application Toolbar



Placement Within the ArcGIS ArcMap Environment



The AUM and Overburden Application Toolbar Tools

Mines Attribute Form

Mine API: 341278013802

Show Atts

Select/Zoom

Images

On 1 of 3 Duplicate APIs >>

(Old) Mine No: PY-138

OSM Doc No: 323581

Mine Type: UNDERGROUND

Drain Type: A

Elevation: 817

Map Date: 1952

Abandon Date: 1952

Multiple Mine Codes

Mine Code 2:

Mine Code 3:

Mine Code 4:

Location Information

UTM North: 4386000

UTM East: 400000

Latitude: 0

Longitude: 0

Mine Ownership

REND-MAR COAL CO. - JULIETTE NO
JENKINS & BLAIR - JENKINS & BLAIR
HANNA-ESSEX COAL CO. - ESSEX 1,

Operator:

Mine Name:

Present:

ADD

REMOVE

Position

County

PERRY

ADD

REMOVE

Township

SALT LICK

ADD

REMOVE

All

Lookup

Quad

NEW STRAITSVILLE
NEW LEXINGTON

ADD

REMOVE

Apply Changes

Close/Cancel

Annual Maps

Maps Received

From: 1920

To: 1952

Seam Information

MIDDLE KITTANNING NO.6

ADD

REMOVE

Commodities

COAL

ADD

REMOVE

Comments

COUNTY NO.PY-15; COAL IDENTIFIED BY OPERATOR; ELEVATION OF COAL 795-817'; FAULT SHOWN ON MAP
SEVERAL ELEVATIONS SHOWN. ELEV. 811.4 FT. AT DRIFT MOUTH.
LOCATION OF COMPANY HOMES AND COMPANY BUILDINGS SHOWN, INCLUDING MULE BARN OR STABLE

ADD

REMOVE

ADD REMOVE

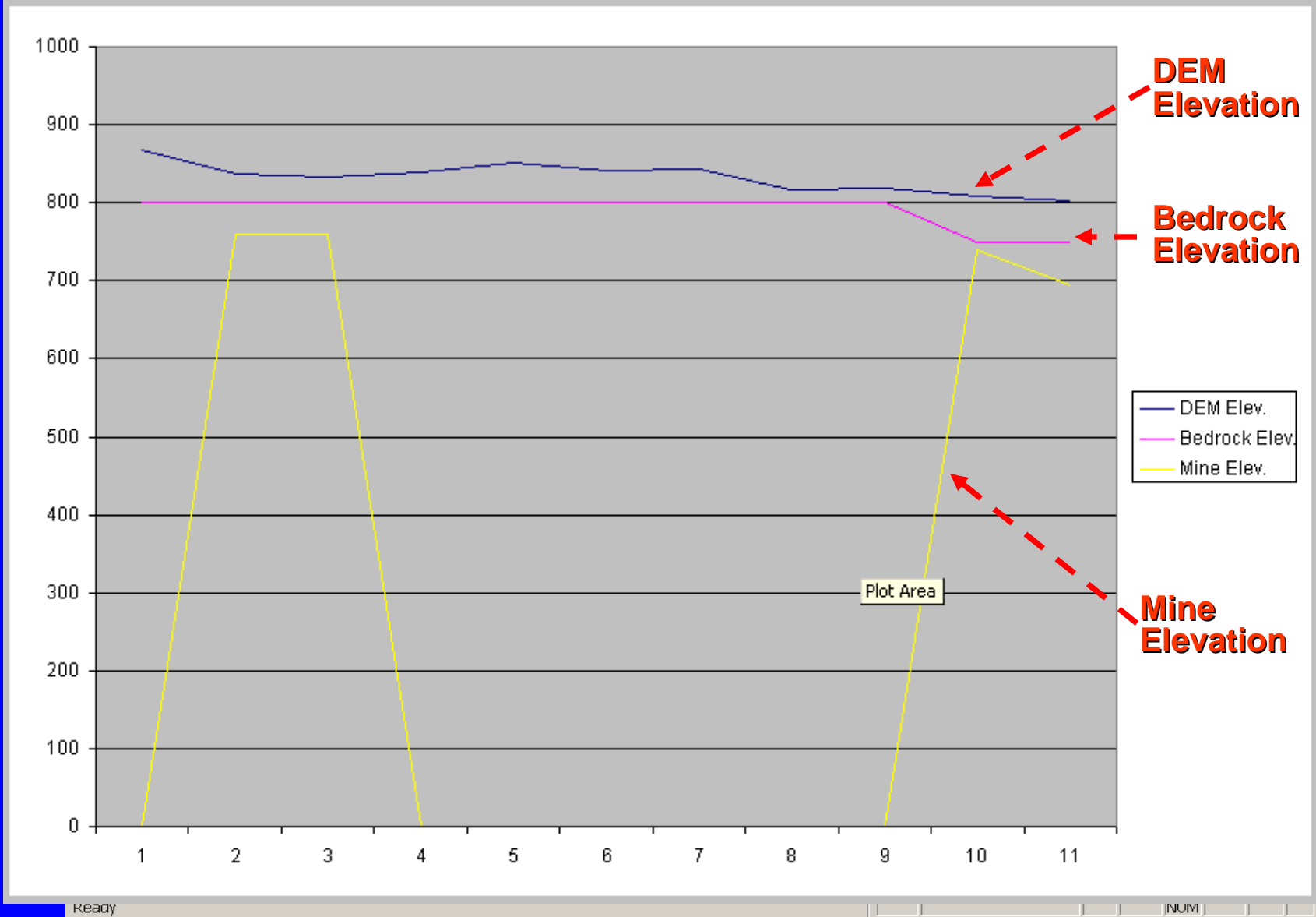
Apply Changes Close/Cancel

Apply Changes Close/Cancel

The AUM Overburden Application Tool



Query/Zoom
Tool



The AUM Plotting Tools



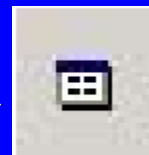
← The 'DRG' , 1:24000 Loader



Quadrangle Selection Box



← Mine Images
Tool for the
1:24000 Map



← County or
Region
Selection Tool



Bookmarks
Signatures
Layers
Pages



FIELD

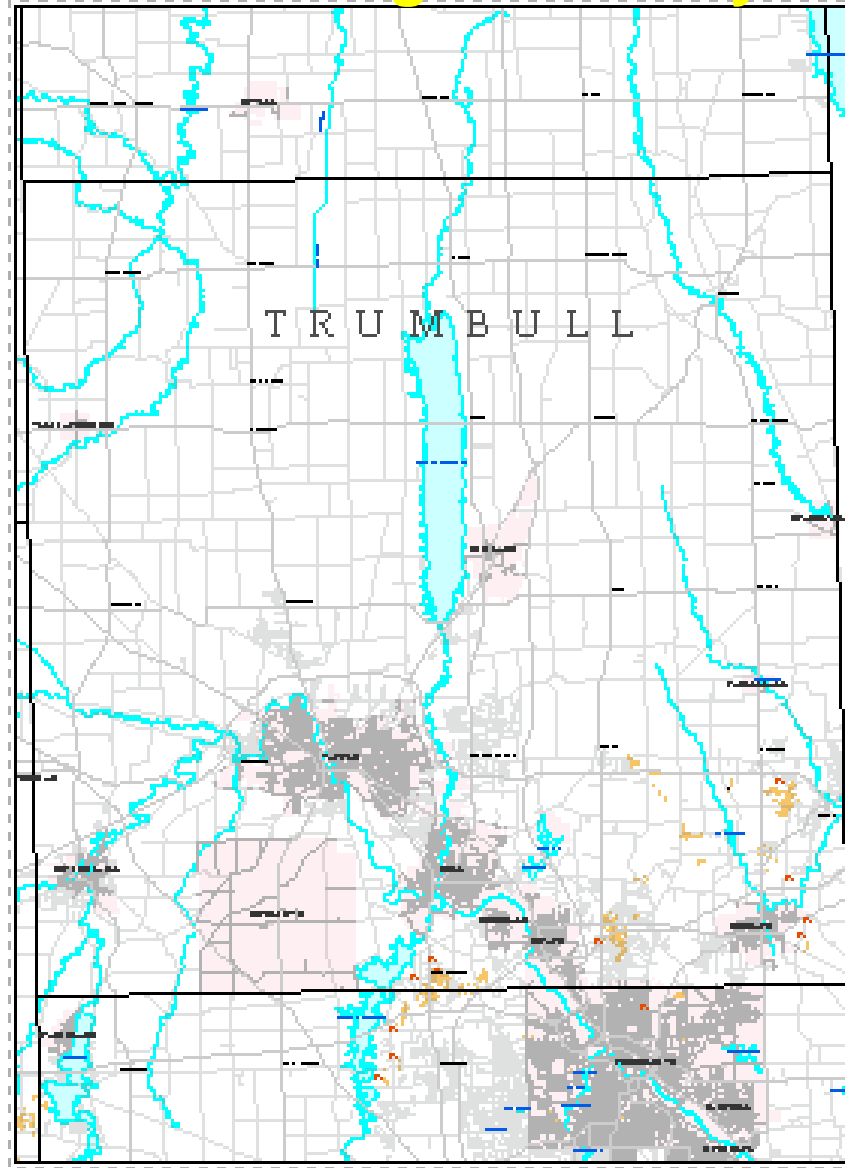
M

MI

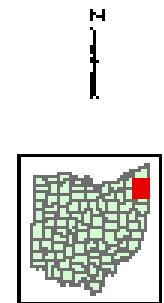
MONRO

C

- Abandoned Underground Mine Maps Provided by the Ohio Geological Survey



- Explanation
- Mine Location
 - State Road
 - Municipal Road
 - Local Road
 - Mine Extension Area
 - AUM
 - OM



Scale: 1:24,000

Ohio Geological Survey

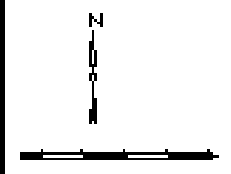
1:24,000

LEGEND

- State Road
- Municipal Road
- Local Road
- Mine Extension Area
- AUM
- OM

Explanation

- Mine Location
- Mine Extension Area
 - AUM
 - State Shields
 - State Roads



Scale: 1:500,000

Ohio Geological Survey

00
line Map
S

1:500,000
1:62,500
Portrait
and
1:250,000
Landscape