

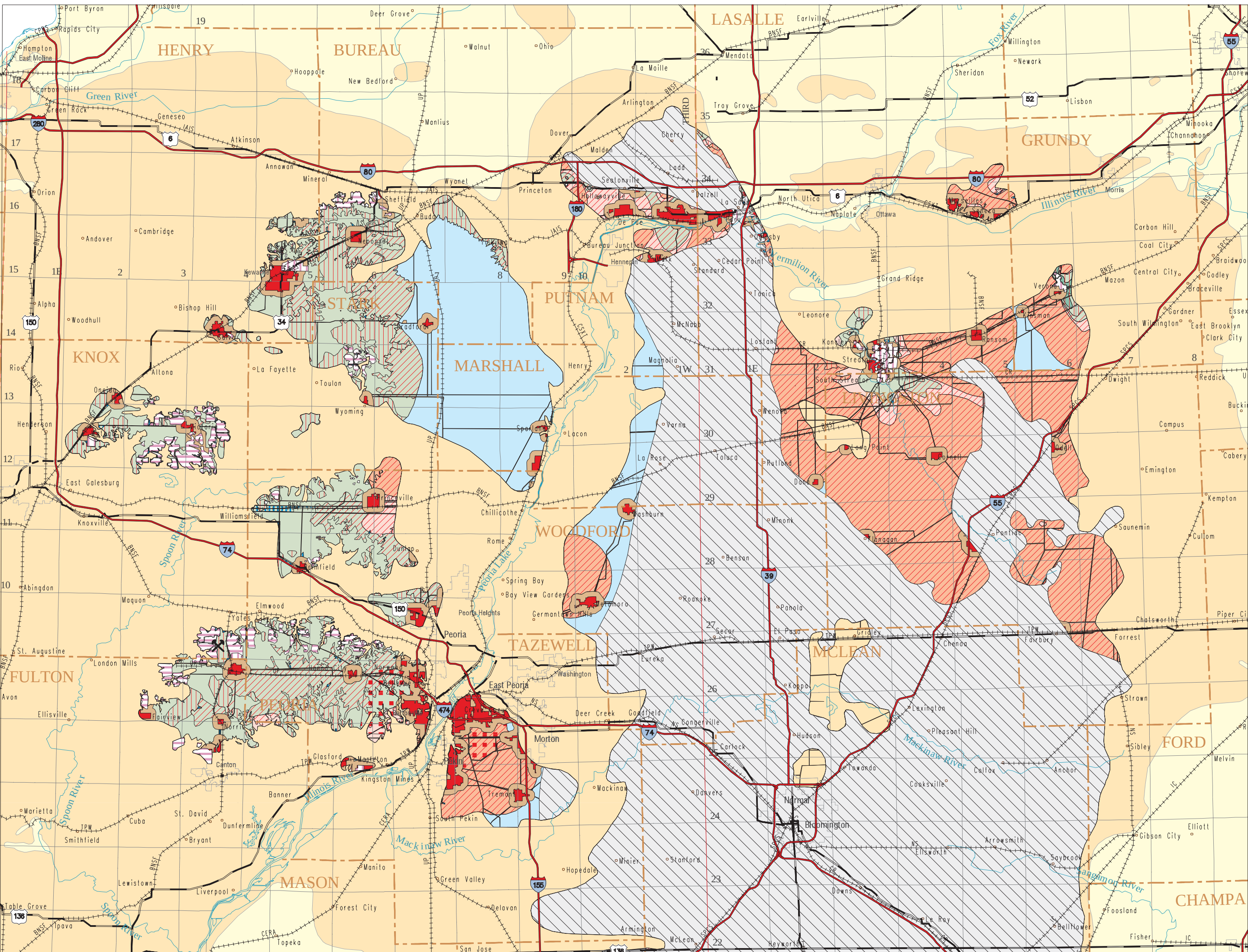
Availability of the Herrin Coal for Mining in Illinois

Map Sheet 2, Surface Mining

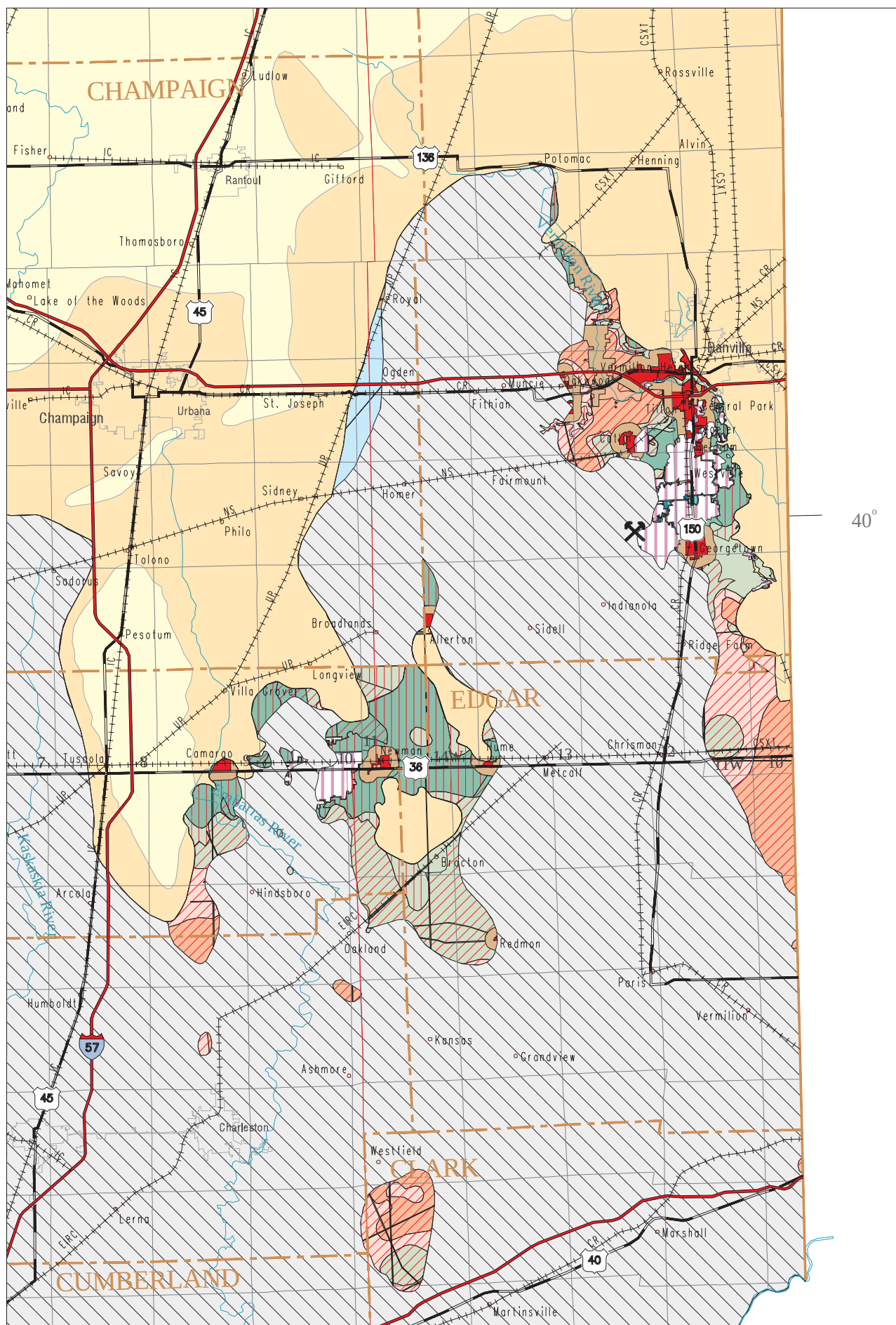
Colin G. Treworgy, Christopher P. Korose, and Christine L. Wiscombe
Map Summary of Illinois Minerals 120
2000

Surface Mining

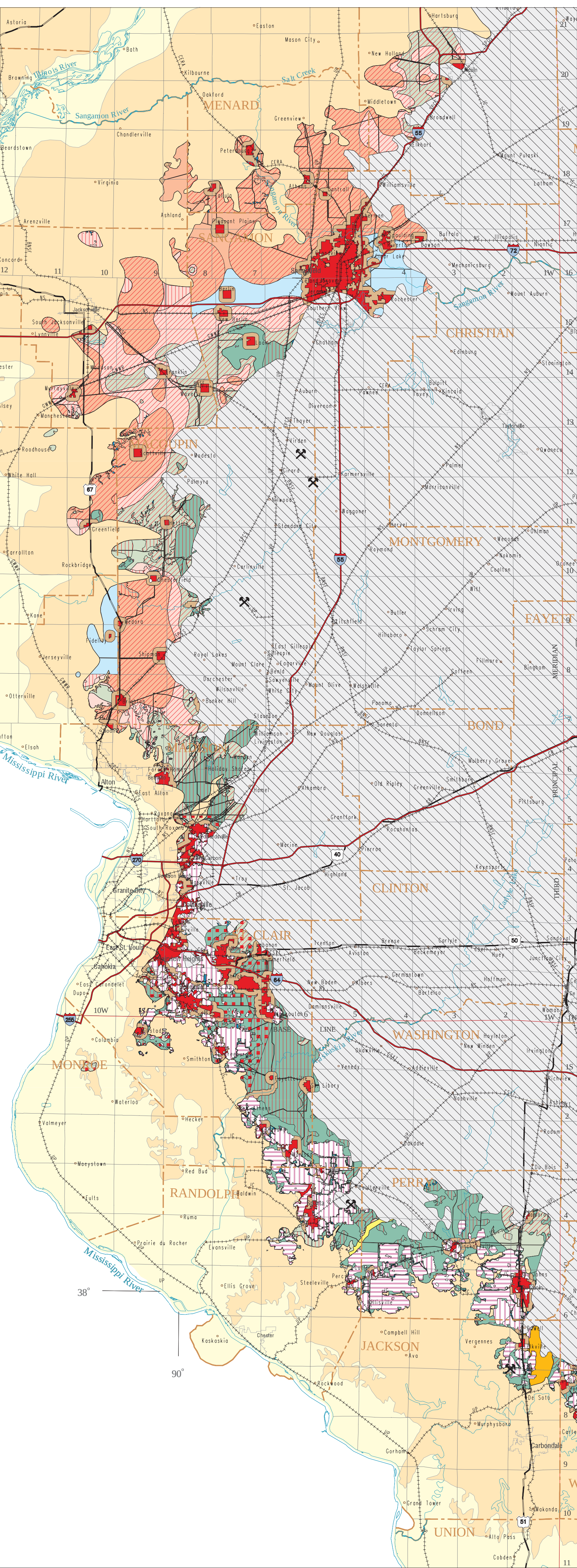
Areas of available surface minable coal are limited in tonnage and areal extent. Towns, high stripping ratios, and thick unconsolidated overburden restrict mining of significant quantities of resources. Future surface mining operations will be smaller in size and production relative to past operations and will use mobile equipment that can be easily moved to another site. This map sheet depicts the location, quantity, and minability of surface minable resources of the Herrin Coal.



Northern Illinois



Eastern Illinois



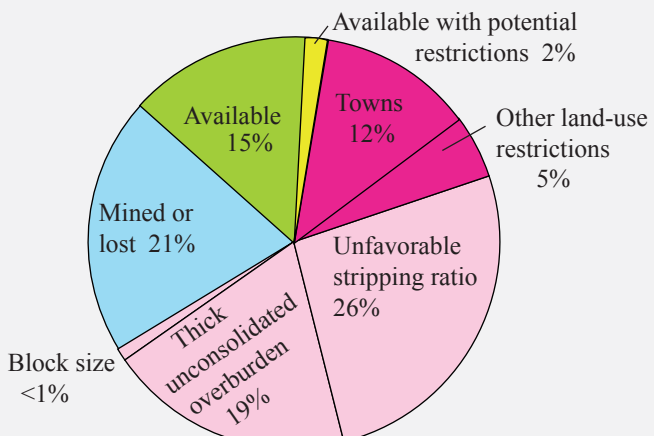
Southern Illinois



Map Locations

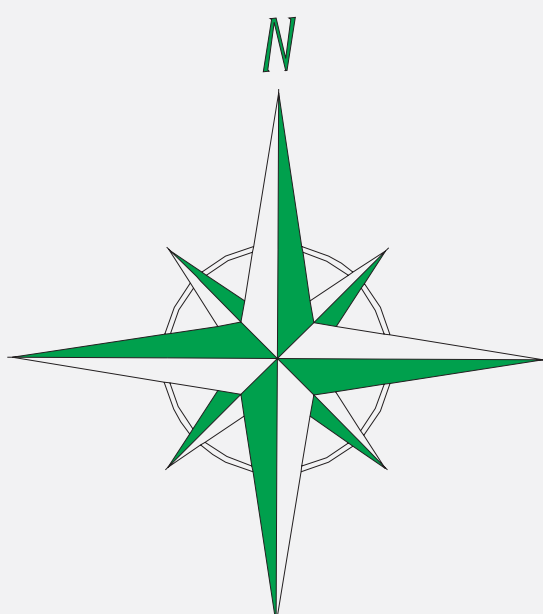
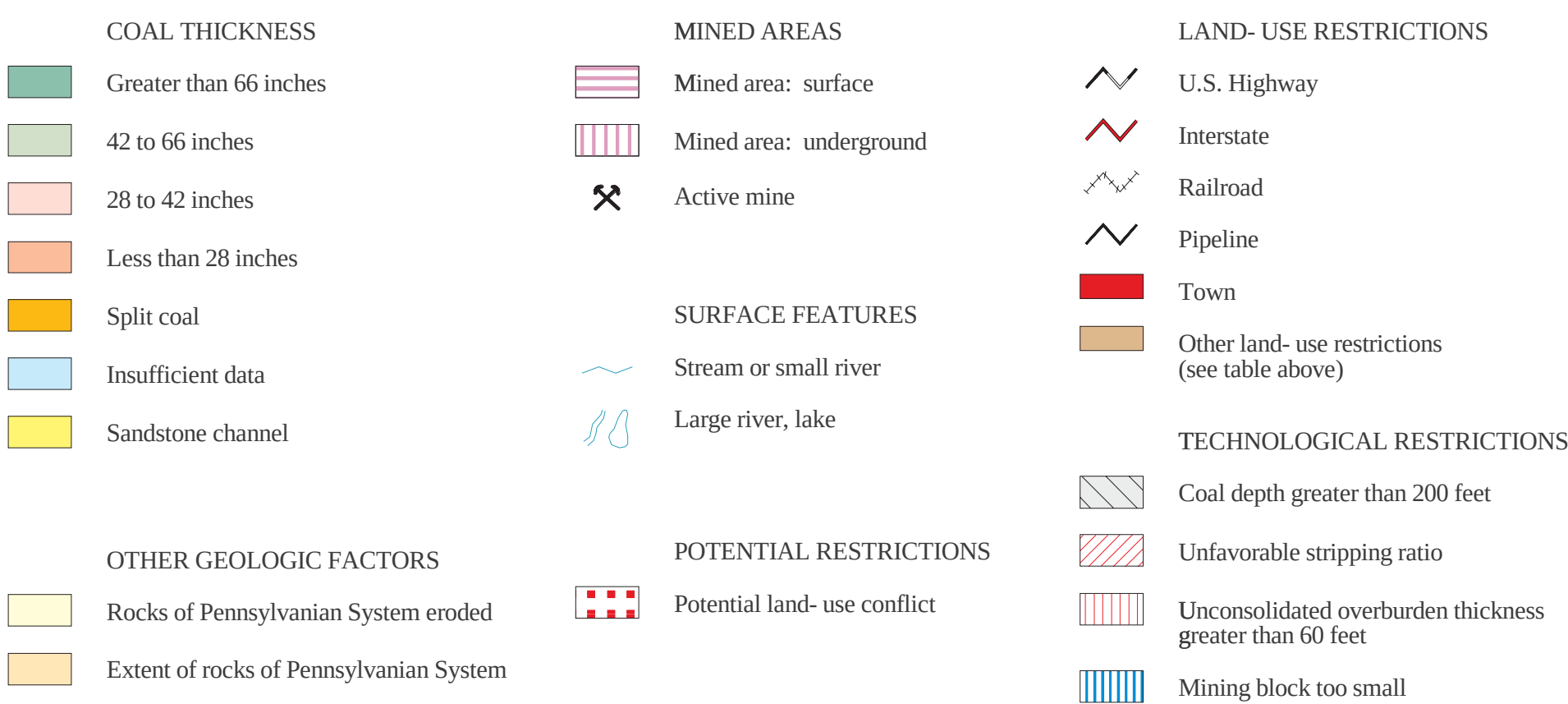
Resources available for surface mining, millions of tons and percent of original resources

Original	14,885
Mined (percent of original)	3,991 (21)
Remaining (percent of original)	11,794 (79)
Available	2,215 (15)
Available w/ potential restrictions	243 (2)
Potential land use conflict	243 (2)
Land-use restrictions	2,578 (17)
Towns	1,742 (12)
Roads	118 (<1)
Pipelines	108 (<1)
Public lands	78 (<1)
Railroads	75 (<1)
Underground mines	452 (3)
Airports	3 (<1)
Major dams	0 (0)
Technological restrictions	6,799 (46)
Stripping ratio	3,861 (26)
Thick unconsolidated material	2,789 (19)
Block too small	108 (<1)



Availability for surface mining - percent of original resources

Factors influencing the availability of coal for surface mining



Scale 1:500,000

0 40 miles
0 40 kilometers

Base map compiled at the Illinois State Geological Survey from digital data provided by the U.S. Geological Survey, the Illinois Department of Transportation, and the Illinois State Geological Survey.
1927 North American datum.
Railroads updated to 1996.
Mined areas updated to December 1999.