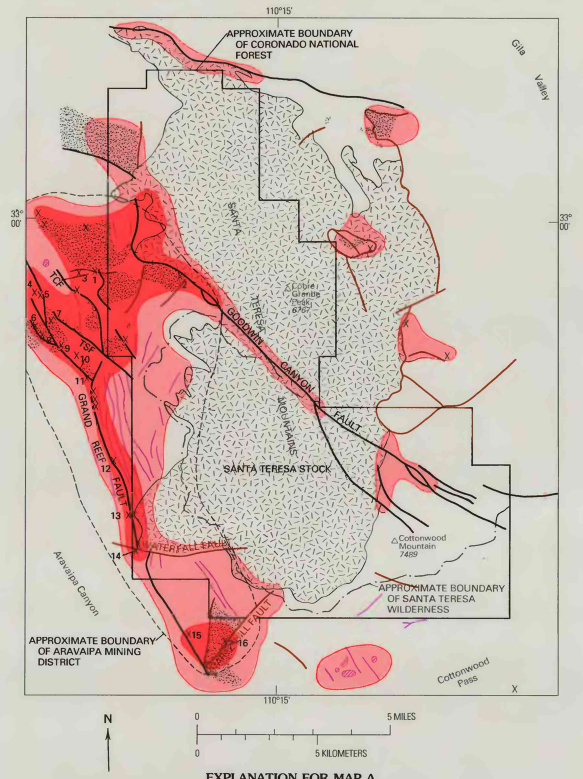


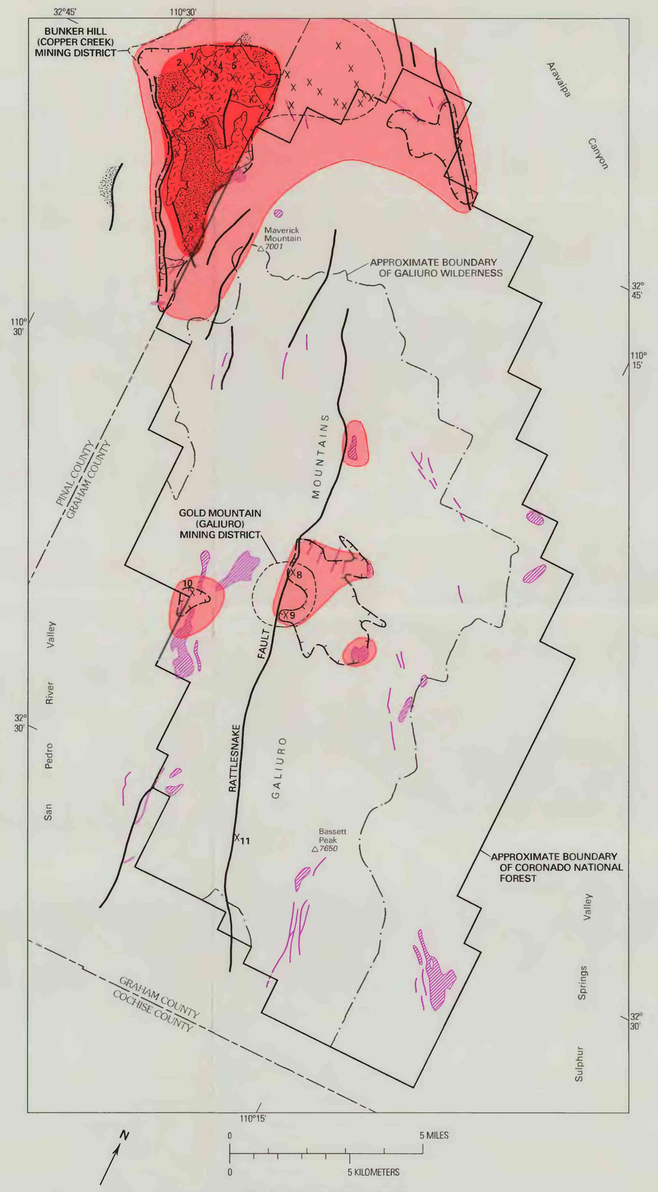
EXPLANATION FOR MAP A

Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Late Cretaceous or Tertiary plug
Late Cretaceous or Tertiary dike
Late Cretaceous granitic stock
Geologic contact—Dotted where concealed
Fault
- **Key northwest-striking, commonly reactivated, strike-slip fault**—TCF, Tule Canyon fault; TSF, Tule Spring fault
- **Selected normal or thrust (or glide) fault**

x14 **Principal mine or prospect**
1. Iron Gap Mine
2. Cobre Grande Mine
3. Head Center and Grand Central Mines
4. Arizona Mine
5. Fairview Mine
6. Black Hole Mine
7. Panama Mine
8. No. 1 Mine
9. Lead King Mine
10. Ben Hur Mine
11. Grand Reef Mine
12. Tenstrike Mine
13. Grand Reef Mine
14. Dogwater Mine
15. Lacleod Mine
16. Silver Coin Mine

A. Santa Teresa Forest unit



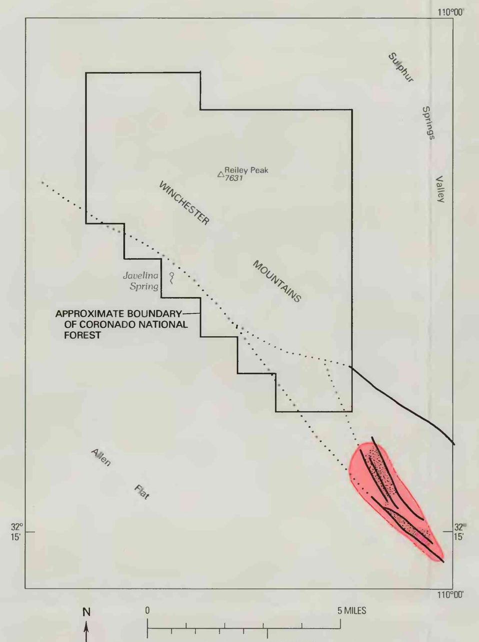
EXPLANATION FOR MAP B

Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Late Cretaceous or Tertiary plug
Late Cretaceous or Tertiary dike
Late Cretaceous granitic stock
Altered rock, typically pyritized, argillized, or sericitized
Geologic contact—Dotted where concealed
Key northwest-striking, commonly reactivated, strike-slip fault

x11 **Principal mine or prospect**
1. Prine Mine
2. Old Reliable Mine
3. Childs-Aldwinkle Mine
4. Copper Giant Mine
5. Bluebird Mine
6. Bunker Hill Mine
7. Magna Mine
8. Powers Mine
9. Long Tom Mine
10. Sixteen to One Mine
11. Jackson Mine

B. Galiuro Forest unit



EXPLANATION FOR MAP C

Geology-based mineral resource potential tract
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Late Cretaceous or early Tertiary plug
Geologic contact—Dotted where concealed
Key northwest-striking, commonly reactivated, strike-slip fault—Dotted where concealed

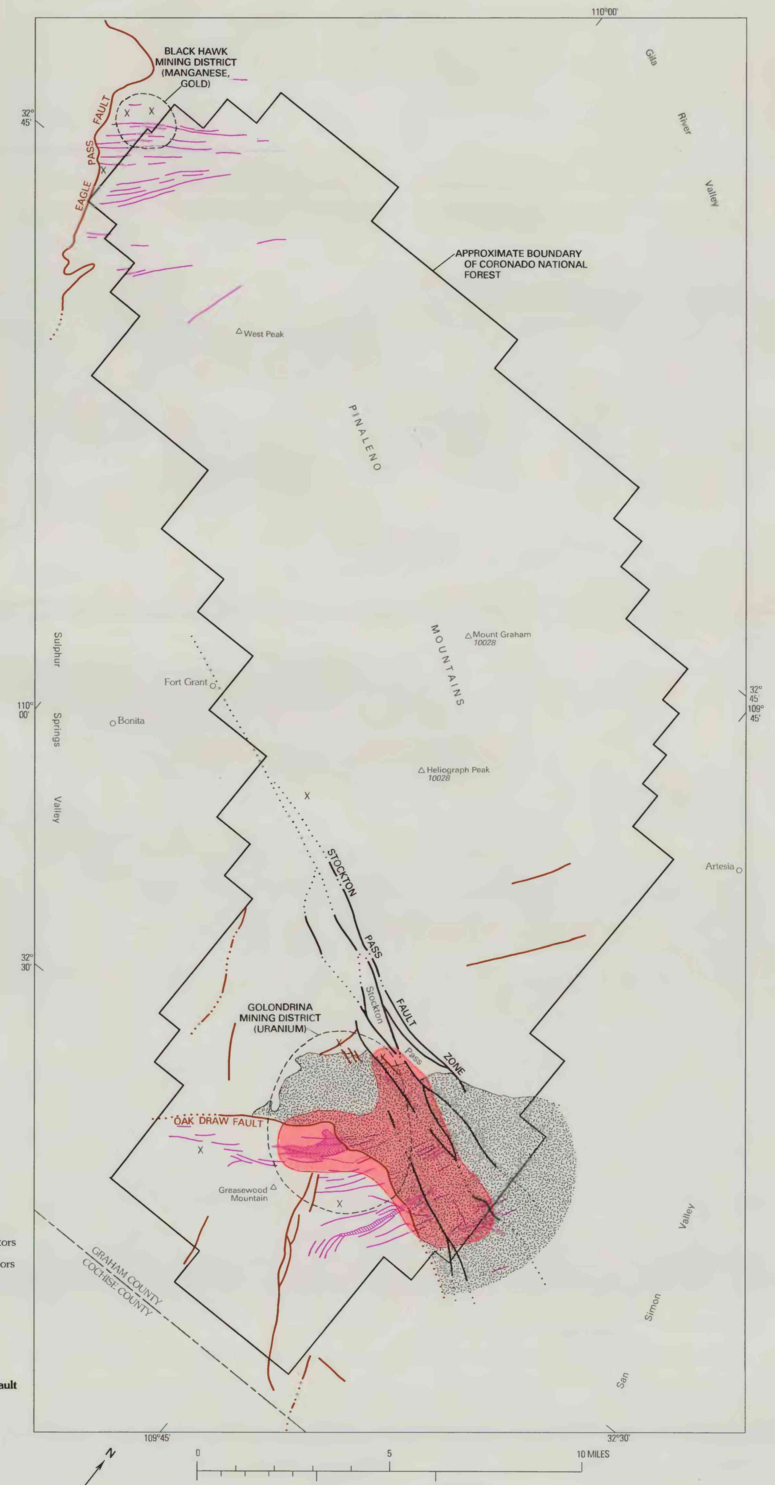
C. Winchester Forest unit

EXPLANATION FOR MAP D

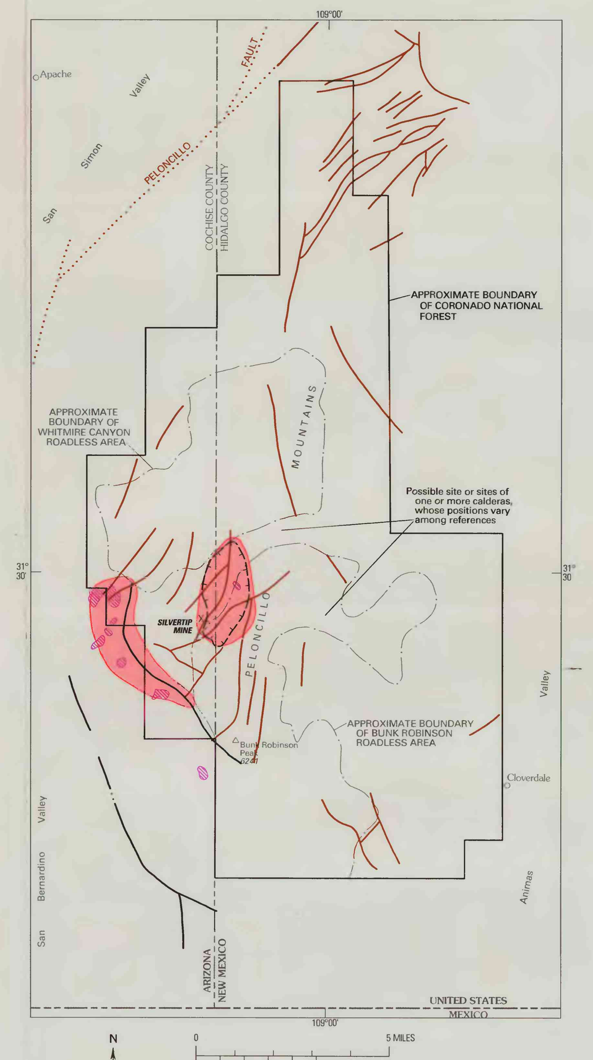
Geology-based mineral resource potential tract
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Middle Tertiary plug
Middle Tertiary stock
Middle Tertiary dike
Geologic contact—Dotted where concealed
Fault—Dotted where concealed
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal or glide fault**

x **Principal mine or prospect**



D. Pinaleno Forest unit



EXPLANATION FOR MAP E

Geology-based mineral resource potential tract
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Tertiary plug
Outer limit of altered rock
Geologic contact—Dotted where concealed
Fault—Dotted where concealed
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal fault**

x **Principal mine or prospect**

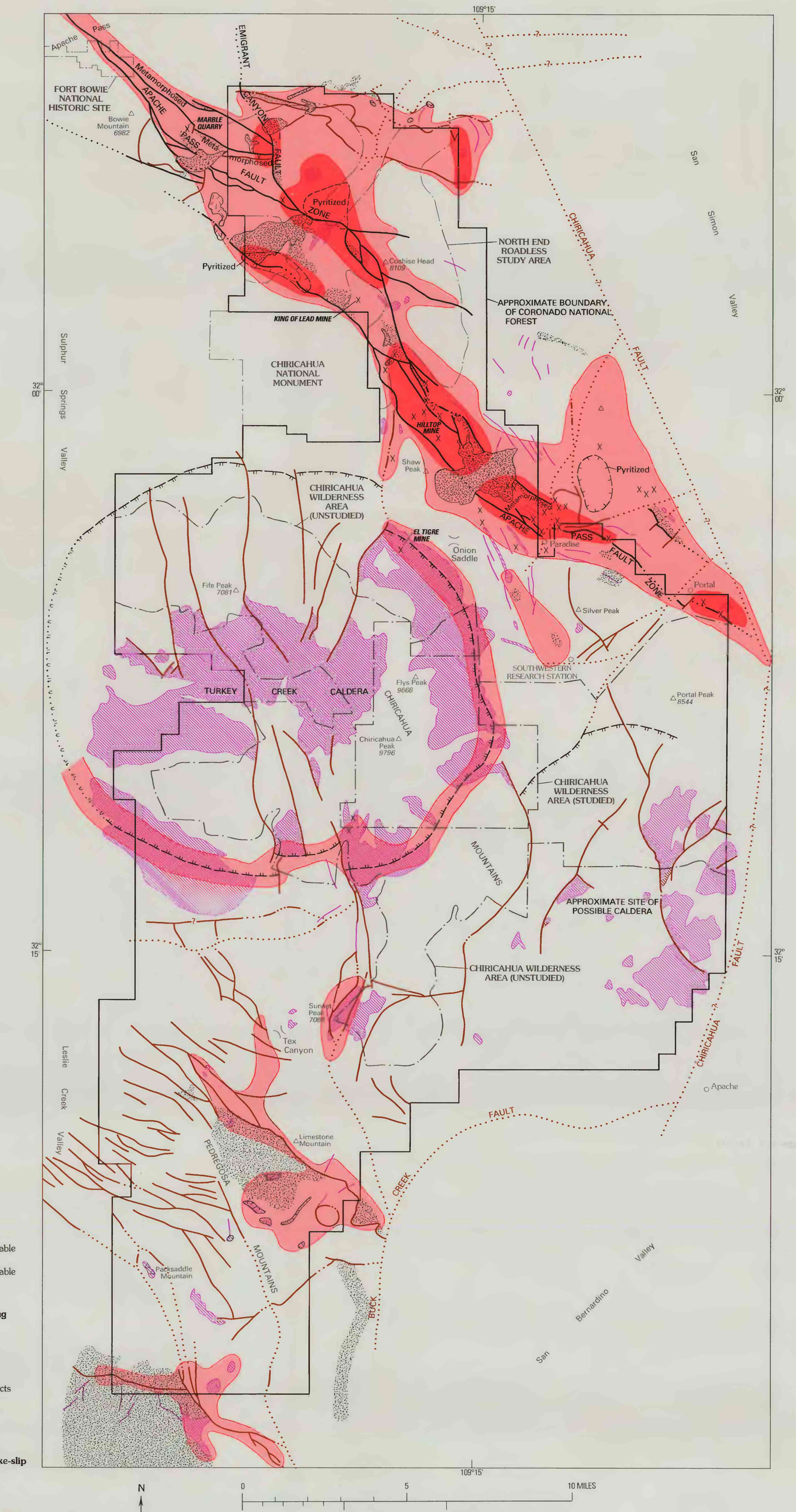
E. Peloncillo Forest unit

EXPLANATION FOR MAP F

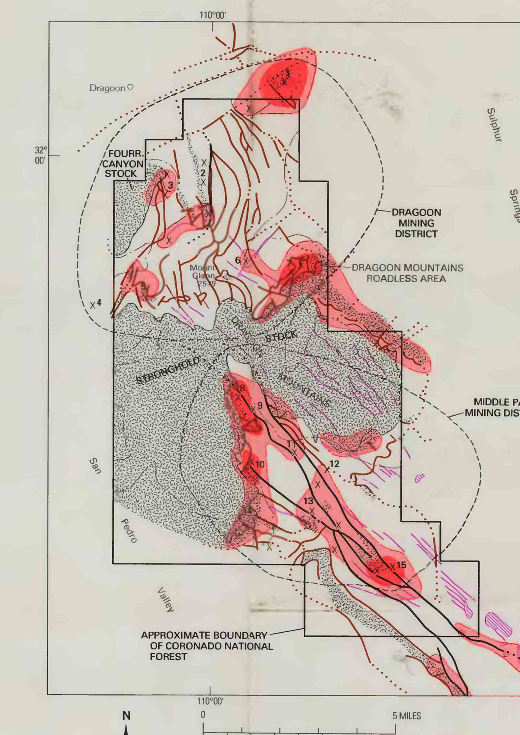
Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Late Cretaceous or early Tertiary granitic stock or plug
Middle Tertiary stock
Middle Tertiary plug
Middle Tertiary dike
Selected altered (pyritized) areas—Metamorphosed tracts labeled; full extent unknown
Margin of caldera—Dotted where concealed by alluvium
Geologic contact—Dotted where concealed
Fault—Dotted where concealed, queried where uncertain
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal fault**

x **Mine, prospect, or quarry**



F. Chiricahua-Pedregosa Forest unit



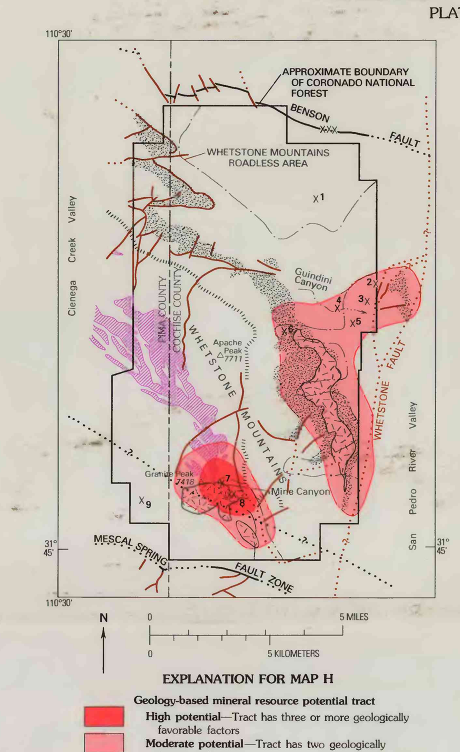
EXPLANATION FOR MAP G

Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Middle Tertiary plug
Middle Tertiary dike
Middle Tertiary stock
Geologic contact—Dotted where concealed
Fault—Dotted where concealed
- **Key northwest-striking fault, probably reactivated**
- **Selected normal fault**

x14 **Principal mine, prospect group, or quarry**
1. Golden Rule Mine
2. Marble quarries
3. Jordan Canyon prospects
4. Burrito de Fierro Mine
5. Hubbard Mine
6. Seneca Mine
7. Pittsburg-Manhattan Mine
8. Abril Mine
9. Hussar Mine
10. San Juan Mine
11. Cobre Loma Mine
12. Middlemarch Mine
13. Standard Tungsten Mines
14. Sala Ranch Mine
15. Black Diamond Mine

G. Dragoon Forest unit



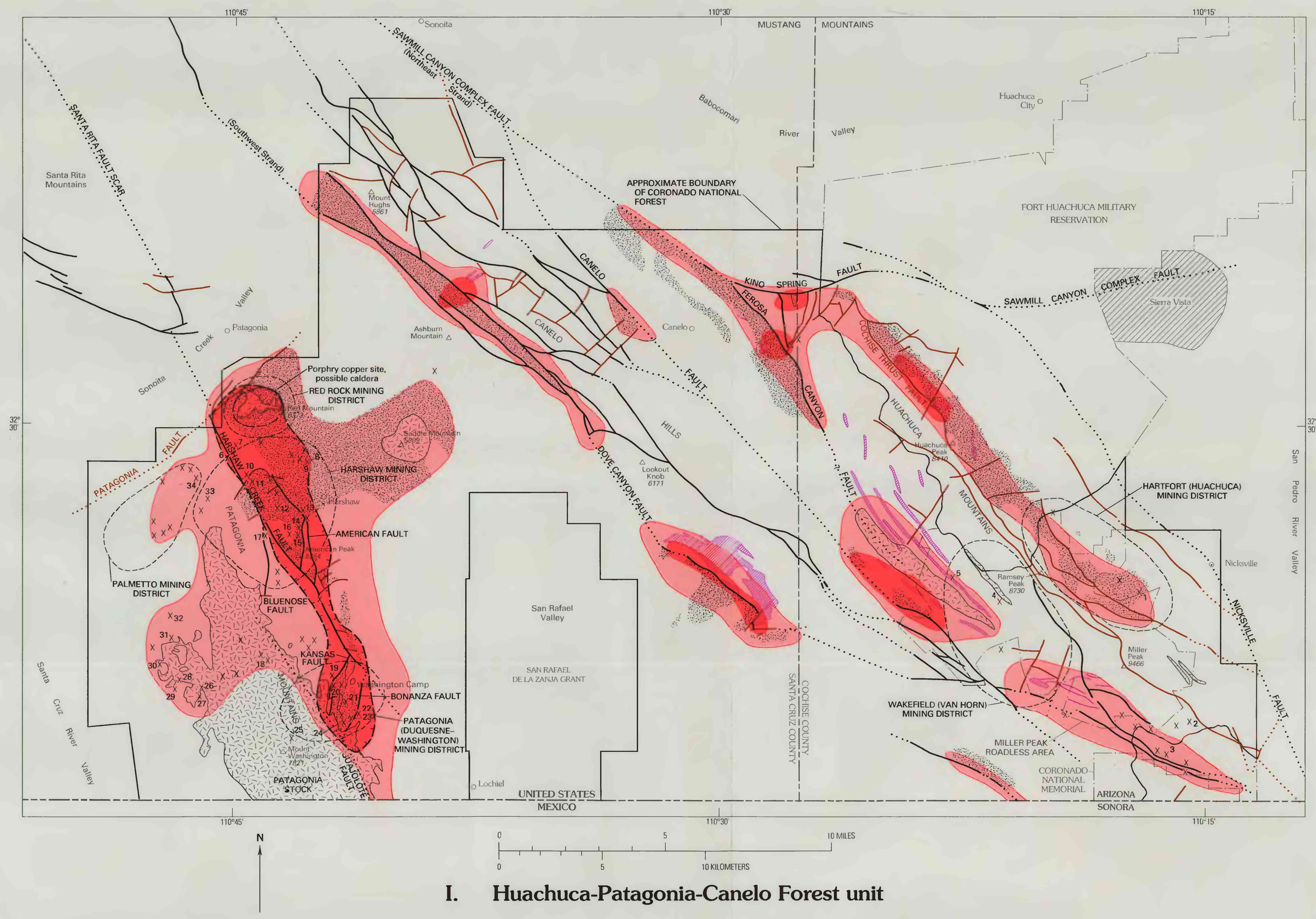
EXPLANATION FOR MAP H

Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Late Cretaceous stock or sill
Late Cretaceous or Tertiary plug or sill
Zone containing thin beds or lenses of gypsum
Geologic contact—Dotted where concealed
Fault—Dotted where concealed, queried where projected
- **Key northwest-striking fault, commonly reactivated and having some strike-slip movement**
- **Selected normal or thrust fault**

x9 **Mine, quarry, or prospect**
1. Old Windmill No. 1 Mine
2. Ricketts Mine
3. Chadwick Mine
4. James Mine
5. Lone Star Mine
6. Gold Crystal prospect
7. Mascot Mine
8. Nevada and Two Peaks Mine
9. Copper Plate Mine

H. Whetstone Forest unit



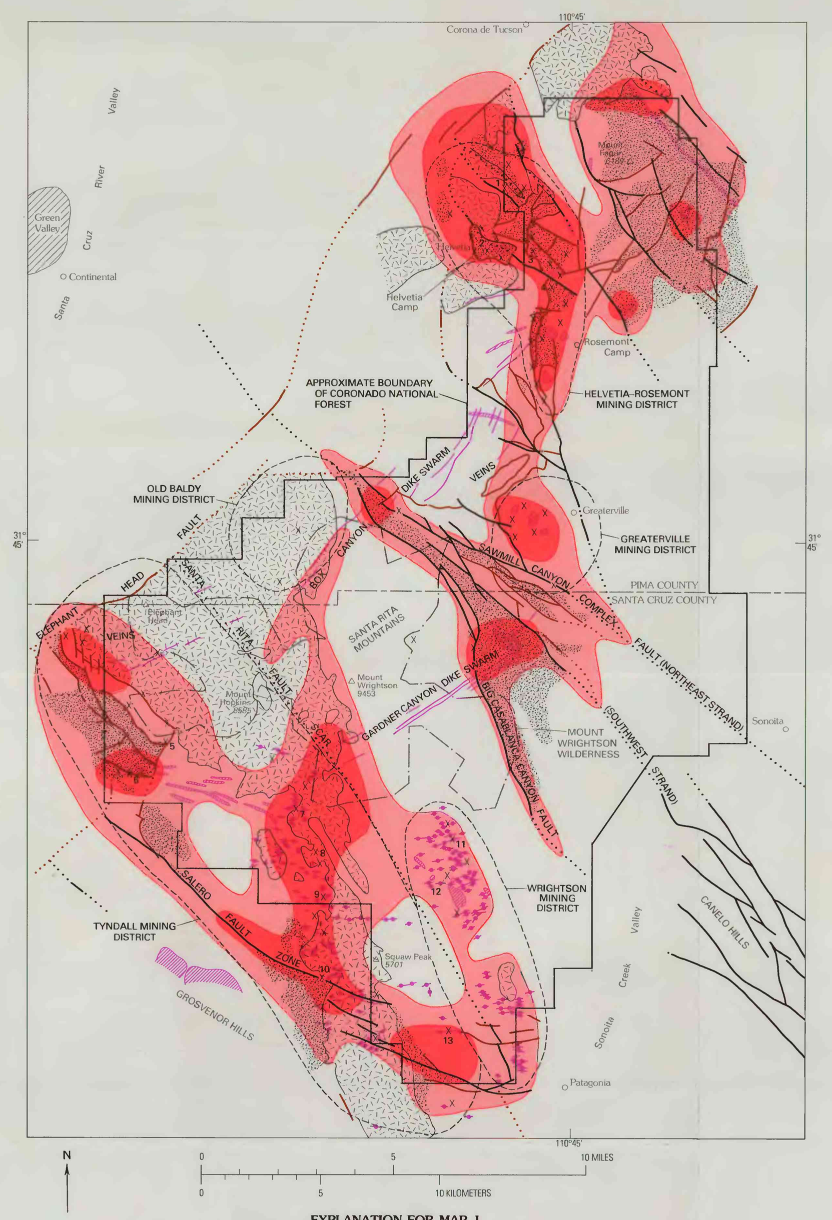
I. Huachuca-Patagonia-Canelo Forest unit

EXPLANATION FOR MAP I

Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks—Includes lower Paleozoic sedimentary rocks and Cretaceous and Tertiary andesitic rocks
Late Cretaceous or Tertiary plug or dike
Tertiary dike
Late Cretaceous or early Tertiary stock
Altered rock—Potassic, argillic, in places also pyritized and oxidized
Geologic contact—Dotted where concealed
Fault—Dotted where concealed
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal or thrust fault**

x14 **Principal mine or prospect**
1. Reef Mine
2. Morgan Mine
3. State of Texas Mine
4. Copper Glance Mine
5. Eureka (Sunnyside) Mine
6. Flux Mine
7. Blue Eagle Mine
8. Great Silver Mine
9. Lead Queen Mine
10. Chief Mine
11. Humboldt Mine
12. Trench Mine
13. Alta Mine
14. Black Eagle Mine
15. Banner Mine
16. American Mine
17. Bluenose Mine
18. Four Metals Mine
19. Kansas Mine
20. Maine Mine
21. Texas Mine
22. Bonanza Mine
23. Duquesne Mine
24. Empire and Belmont Mine
25. Santo Nino Mine
26. King Mine
27. Buena Vista Mine
28. Golden Rose Mine
29. Bennett Mine
30. Big Lead Mine
31. Shamrock Mine
32. National Mine
33. European Mine
34. 3R Mine



EXPLANATION FOR MAP J

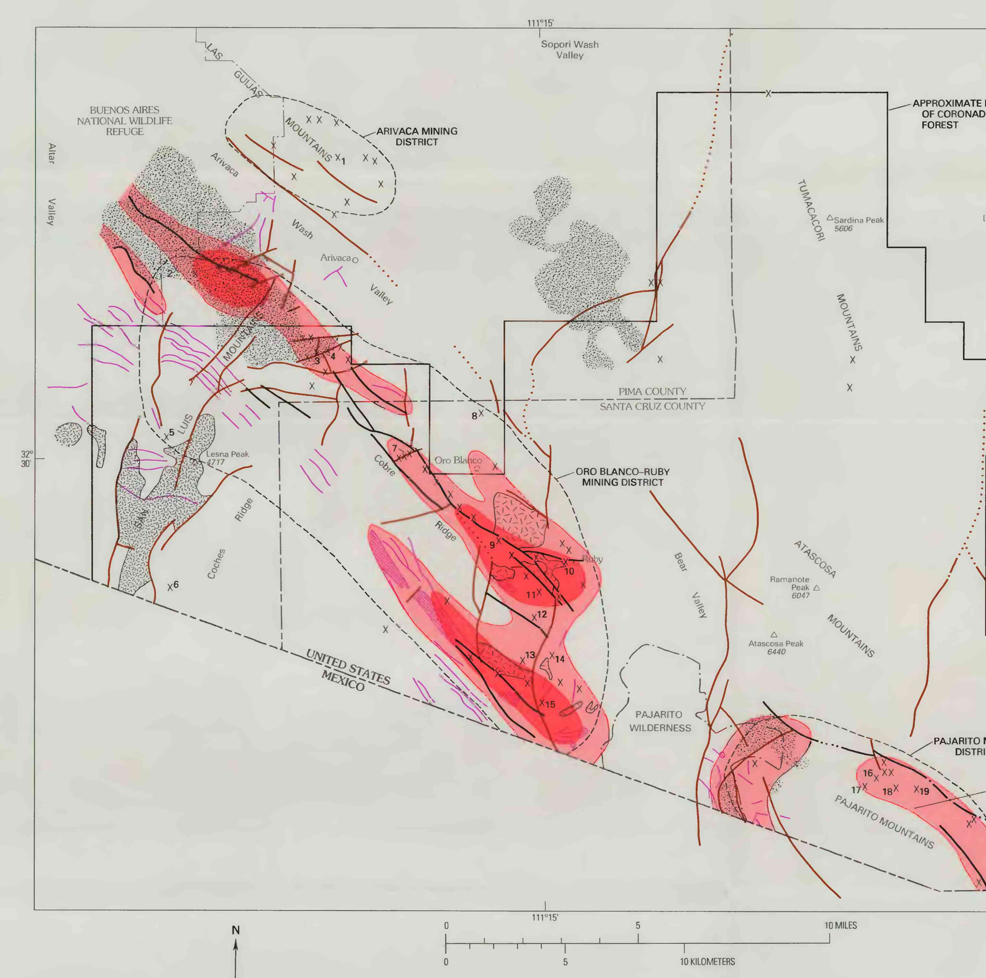
Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Late Cretaceous or Tertiary plug or dike
Middle Tertiary dike
Late Cretaceous granitic stock
Geologic contact—Dotted where concealed
Fault—Dotted where concealed
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal, thrust, or glide fault**

Alto vein swarm

Principal mine, prospect, or quarry
1. Marble quarry
2. Elgin pit
3. Leader Mine
4. Naragansett Mine
5. Montosa Mine
6. Glove Mine
7. Compadre Mine
8. Arizona-Pittsburg Mine
9. Alto Group Mines
10. Salero Mine
11. Philadelphia Mine
12. Mansfield Group Mines
13. Ivanhoe Mine

J. Santa Rita Forest unit



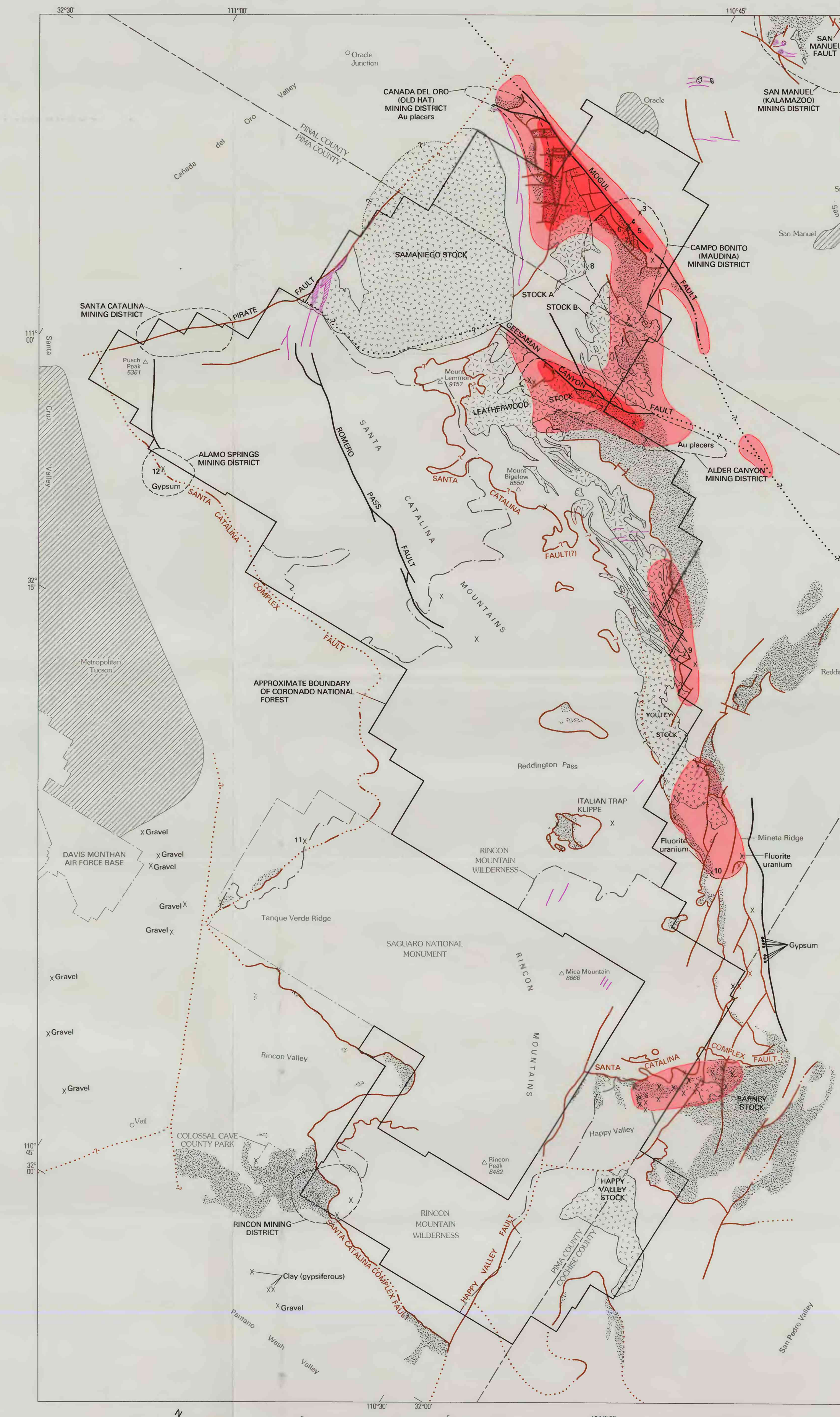
EXPLANATION FOR MAP K

Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Middle Tertiary plug
Middle Tertiary dike
Middle Tertiary stock
Late Cretaceous or early Tertiary stock
Geologic contact—Dotted where concealed
Fault—Dotted where concealed
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal fault**

x4 **Principal mine or prospect**
1. Backbone Mine
2. San Luis Mine
3. Big Three Mine
4. Ajax Mine
5. Reata Mine
6. Border Mine
7. Yellowjacket Mine
8. Alaska Mine
9. Austerlitz Mine
10. Ruby Mine
11. Margarita Mine
12. Old Glory Mine
13. Warsaw Mine
14. Dos Amigos Mine
15. Oro Fino Mine
16. St. Patrick Mine
17. Old Bextrum Mine
18. Big Steven Mine
19. White Oak Mine

K. Atascosa–Cobre–Coches–Pajarito–San Luis–Tumacacori Forest unit



EXPLANATION FOR MAP L

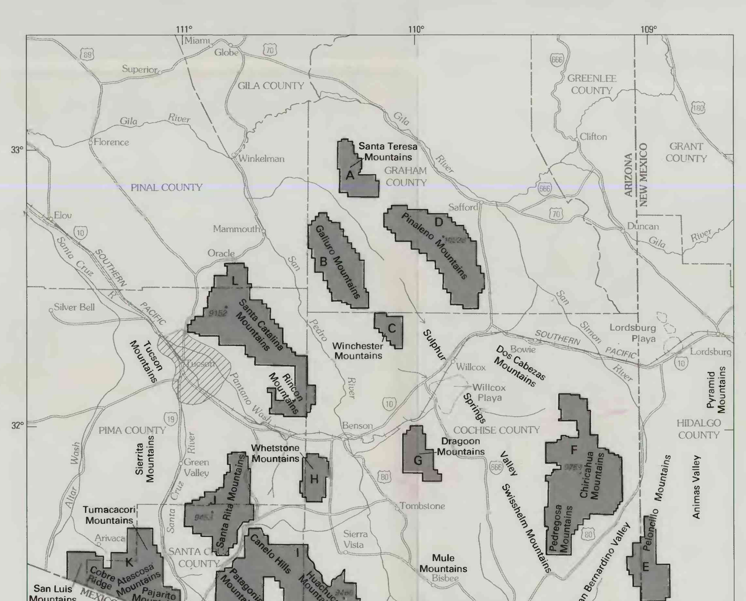
Geology-based mineral resource potential tract
- **High potential**—Tract has three or more geologically favorable factors
- **Moderate potential**—Tract has two geologically favorable factors
- **Low potential**—Tract has one or no geologically favorable factors

Favorable host rocks
Oligocene granitic stock
Late Cretaceous or Tertiary plug
Late Cretaceous or Tertiary dike
Late Cretaceous or early Tertiary stock
Geologic contact—Dotted where concealed
Fault—Dotted where concealed, queried where location uncertain
- **Key northwest-striking, commonly reactivated, strike-slip fault**
- **Selected normal or glide fault**

Gypsum **Mineral locations, giving commodity**

x4 **Principal mine or prospect**
1. St. Anthony (Mammoth) Mine
2. San Manuel Mine
3. Highjinks Mine
4. Maudina Mine
5. Morning Star and Pure Gold Mines
6. Southern Belle Mine
7. Old Maudina Mine
8. Mary West Mine
9. Kern Kob Mine
10. Blue Rock Mine
11. Loma Verde Mine
12. Pontatoc Mine

L. Santa Catalina–Rincon Forest unit



INDEX MAP SHOWING LOCATION OF CORONADO NATIONAL FOREST (GRAY AREAS).
Letters A–L correspond to maps shown on this plate.

MAPS SHOWING KEY GEOLOGIC FEATURES AND GEOLOGY–BASED MINERAL RESOURCE EVALUATION OF CORONADO NATIONAL FOREST, SOUTHEASTERN ARIZONA AND SOUTHWESTERN NEW MEXICO

Compiled by
Harald Drewes
1996