

|       |                  |                               |                | ANAL. UNIT |       | LITHOLOGIC DESCRIPTION                                                          | REMARKS |
|-------|------------------|-------------------------------|----------------|------------|-------|---------------------------------------------------------------------------------|---------|
| FE    | SiO <sub>2</sub> | P <sub>2</sub> O <sub>5</sub> | S <sup>†</sup> | Thick.     | Depth |                                                                                 |         |
|       |                  |                               |                |            |       | Surficial cover                                                                 |         |
| 45.55 | 20.04            | 0.43                          | 0.17           | 3.40       | 3.70  | Hematite, oolitic, purple, red and brown                                        | AI 3.47 |
| 1.62  | 92.44            | 0.14                          | 0.08           | 0.60       | 4.30  | Claystone, gray, limonitic                                                      | " 0.86  |
| 43.26 | 21.93            | 1.36                          | 0.12           | 0.23       | 4.53  | Hematite, purple                                                                | " 5.29  |
| 15.12 | 66.91            | 0.35                          | 0.19           | 6.47       | 11.00 | Claystone and siltstone, gray with thin limonitic and hematitic seams in places | " 2.87  |
| 17.32 | 64.48            | 0.36                          | 0.26           | 3.58       | 14.58 |                                                                                 | " 2.54  |
| 6.59  | 86.98            | 0.15                          | 0.15           | 0.42       | 20.00 | Siltstone, claystone and sandstone, limonitic, orange                           | " 0.63  |

\*and silicates insoluble in HCl

†Free sulfur and sulfur calculated from SO<sub>4</sub>

| Interval  | Thick | Fe    | SiO <sub>2</sub> | P <sub>2</sub> O <sub>5</sub> | S    | AI   |
|-----------|-------|-------|------------------|-------------------------------|------|------|
| 0.30-3.70 | 3.40  | 45.54 | 20.04            | 0.43                          | 0.16 | 3.47 |
| 0.30-4.53 | 4.23  | 39.95 | 30.45            | 0.40                          | 0.13 | 3.48 |

This map is preliminary and has not  
been edited for conformity with Geological  
Survey format and nomenclature.