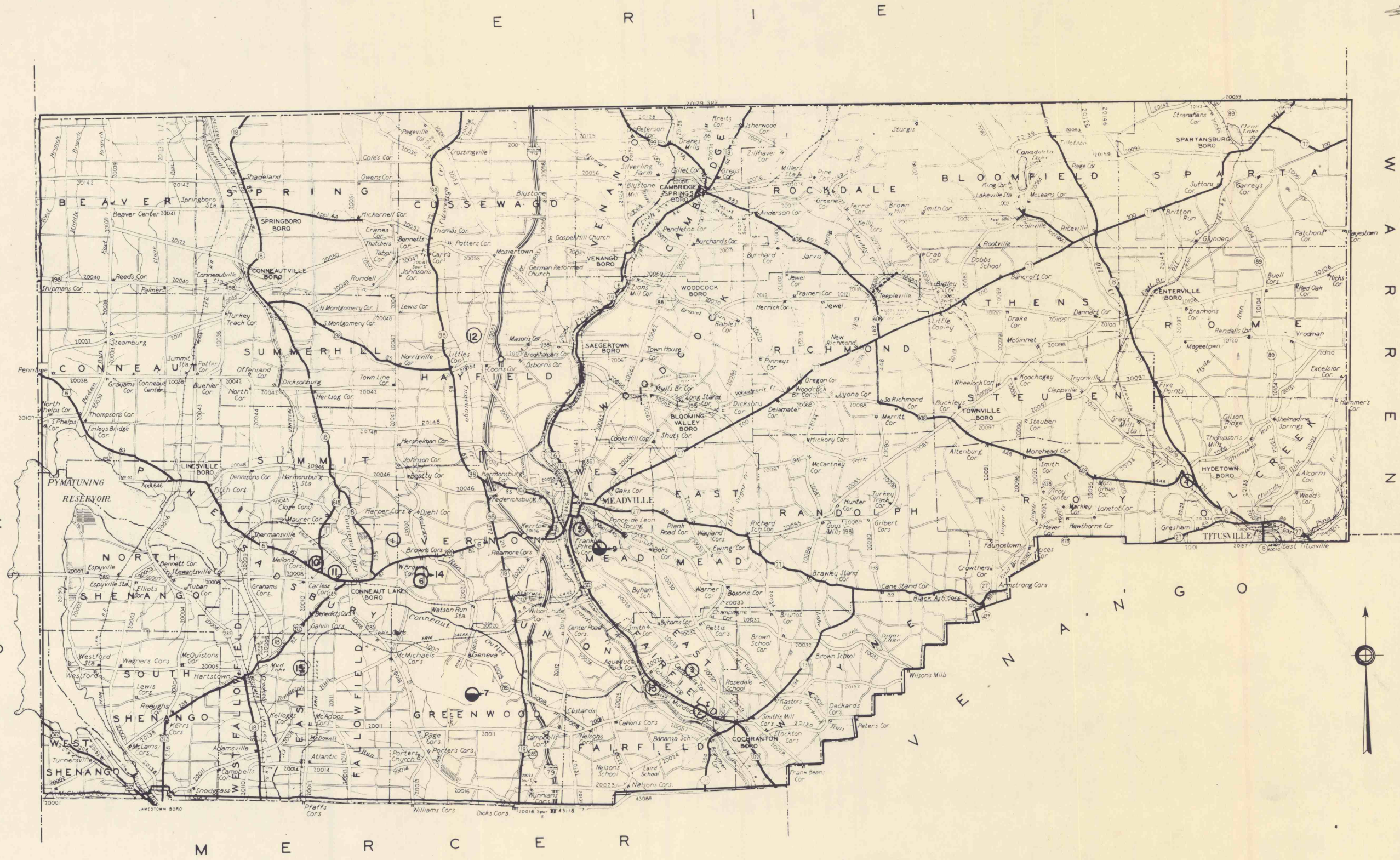
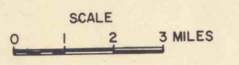


MAP  
OF  
CRAWFORD COUNTY



| NO. | PRODUCER  | SOURCE NAME                   | ROCK TYPE     | FORMATION (GEO. SYMBOL)     | PDT TYPE |   |   | STATUS   | FINE AGG. | LATITUDE NORTH | LONGITUDE WEST |
|-----|---|-------------------------------|---------------|-----------------------------|----------|---|---|----------|-----------|----------------|----------------|
|     |   |                               |               |                             | A        | B | C |          |           |                |                |
| 1   | CONNEAUT LAKE SAND & GRAVEL, INC. RD. 1 CONNEAUT LAKE, PA. 16316          | CONNEAUT LAKE                 | GRAVEL & SAND | Wisc. Drift or Outwash      | X        |   |   | ACTIVE   | ✓         | 41-37-00       | 80-16-36       |
| 2   | COCHRANTON GRADING CO. MEADVILLE, PA. 16335                               |                               | "             | Stream Gravel French Creek  |          |   |   | INACTIVE |           | 41-31-30       | 80-04-00       |
| 3   | W. L. DUNN COCHRANTON, PA. 16314  | 2 Miles North of COCHRANTON   | "             | Wisc. Drift or Outwash      |          | X |   | ACTIVE   | ✓         | 41-33-06       | 80-04-21       |
| 4   | HASBROUCK SAND & GRAVEL CO. RD 2, TITUSVILLE, PA.                         | HYDETOWN                      | "             | Stream Valley Oil Creek     |          | X |   | ACTIVE   | ✓         | 41-38-54       | 79-43-30       |
| 5   | MEADVILLE REDI-MIX CONCRETE, INC. RD 6, MEADVILLE, PA. 16354              | E. FAIRFIELD (MEADVILLE)      | "             | Wisc. Drift or Outwash      | (NA)     |   |   | ACTIVE   |           | 41-37-00       | 80-08-15       |
| 6   | SAND & SUPPLY CO. CONNEAUT LAKE, PA. 16316                                |                               | "             | "                           | (NA)     |   |   | ACTIVE   |           | 41-36-06       | 80-15-27       |
| 7   | MEADVILLE REDI-MIX CONCRETE, INC. RD 6, MEADVILLE, PA. 16335              | GENEVA                        | SLAG          | Slag (Iron Furnace)         | (NA)     |   |   | ACTIVE   |           | 41-32-35       | 80-13-12       |
| 8   | PENN GROVE COAL & CONST. CO. PO BOX 116, SLIPPERY ROCK, PA. (Now line 14) |                               | GRAVEL        | Hiram Drift                 | (NA)     |   |   | ACTIVE   |           | 41-36-20       | 80-15-23       |
| 9   | MEADVILLE REDI-MIX CONCRETE, INC. RD 6, MEADVILLE, PA. 16335              | WEST MEAD TWP                 | SLAG          | Slag (Iron Furnace)         | (NA)     |   |   | ACTIVE   |           | 41-37-00       | 80-08-43       |
| 10  | EMLENTON LIMESTONE CO., INC. PO BOX 67, EMLENTON, PA. 16373               | CONNEAUT LAKE #1              | GRAVEL & SAND | Hiram Drift                 |          | X |   | ACTIVE   |           | 41-36-14       | 80-15-22       |
| 11  | "   | VERNON TWP (CONNEAUT LAKE #2) | GRAVEL        | "                           |          | X |   | ACTIVE   |           | 41-35-58       | 80-15-23       |
| 12  | JOSEPH ARENDASH CONNEAUTVILLE, PA. 16406                                  | ARENDASH                      | GRAVEL & SAND | Cussewago Creek Flood Plain |          | X |   | ACTIVE   |           | 41-43-07       | 80-13-00       |
| 13  | MEADVILLE REDI-MIX CONCRETE, INC. RD 6, MEADVILLE, PA. 16335              |                               | "             | French Creek Flood Plain    | (NA)     |   |   | ACTIVE   | ✓         | 41-32-30       | 80-05-43       |
| 14  | EMLENTON LIMESTONE CO. PO. BOX 67, EMLENTON, PA. 16373                    |                               | "             | Hiram Drift                 | (NA)     |   |   | ACTIVE   |           | 41-36-20       | 80-15-23       |
| 15  | ATLAS SAND & GRAVEL CO., INC. BOX 73, HADLEY, PA. 16130                   |                               | "             | Glacial Drift               | (NA)     |   |   | ACTIVE   |           | 41-33-22       | 80-20-30       |
| 16  | JOSEPH ARENDASH CONNEAUTVILLE, PA. 16406                                  | TR322 STA400+00               | "             | "                           |          | X |   | ACTIVE   |           | See notes      | (6a)           |

- 7 1/2 QUAD. MAP #
- ✓ 1 Conneaut Lake 2
  - ✓ 2 COCHRANTON 3
  - ✓ 3 " 3
  - ✓ 4 Titusville North 4 ✓
  - 5 COCHRANTON
  - ✓ 6 Conneaut LAKE
  - 7 MEADVILLE (Slag)
  - ✓ 8 Conneaut LAKE
  - 9 GENEVA (Slag)
  - ✓ 10 Conneaut LAKE
  - ✓ 11 " "
  - ✓ 12 MEADVILLE
  - ✓ 13 COCHRANTON 13
  - ✓ 14 Conneaut LAKE Formerly line 8
  - ✓ 15 " "
  - ✓ 16 " "

(NA) = Not approved by PennDOT