UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PREPARED IN COOPERATION WITH THE WISCONSIN GEOLOGICAL AND NATURAL HISTORY SURVEY

PROFESSIONAL PAPER 309 PLATE 5

GEOLOGIC STRUCTURE MAP OF THE HAZEL GREEN-SHULLSBURG ZINC-LEAD AREA, LAFAYETTE AND GRANT COUNTIES, WISCONSIN

Topography from Wisconsin Geological Survey Bulletin 14, plates 1-2 and 14, and from U. S. Geological Survey, Lancaster Mineral Point Folio 245. Revisions and corrections of Mineral Point topography by Alvin F. Agnew, Jr., Alvin F. Agnew, II, J. Lyons, and R. W. Hutchinson

Geology by Alvin F. Agnew, Alvin F. Agnew, Jr., C. H. Behre, Jr., J. Lyons, and R. W. Hutchinson, 1941-42, with additional mapping in 1952 by C. H. Behre, Jr., and R. W. Hutchinson. Base from Wisconsin State Geological Survey, Mineral Point Folio, 1907

Contour interval 50 feet
Datum is mean sea level

1000 0 1000 Feet

EXPLANATION

- Sg — Edgewood, Kankakee (?), and Maquoketa (?) formations
- Om — Maquoketa shale
- Sp — Galena dolomite, including Dubuque shaly member and Decorah formation
- Op — Platteville formation

Contact

Fault
Showing dip and amount of displacement, in feet. Dashed where concealed. u, up-thrown side; d, downthrown side

Vertical fault

Pitch-type fault
Showing direction and amount of displacement, in feet. Dashed where concealed. u, up-thrown side; d, downthrown side

Strike and dip of beds

Horizontal beds

Strike and dip of joints

Strike of vertical joints

Intersecting vertical joints

Lead-bearing joints
Dashed where approximately located

Shallow lead pits

Structure contours
Dashed where approximately located. Drawn on base of Galena-Platteville limestone (Decorah member). Contour interval 50 feet. Datum is mean sea level

General specified or basic areas

Lead or zinc in prospect, clump, or outcrop

Mine — Adit

Placer mine — Cored drill

Shaft — Opencut

Number of drill holes

Drill hole

Underground mine workings in zinc ore. *Dashed where inferred*

Diamond ore body located by drilling, 1947

Underground mine workings in lead ore. *Dashed where inferred*

Location of surface outcrop

Wisconsin Geological Survey bench mark and elevation

Water-level bench mark

LIST OF MINES

Number	Mine	Section
	T. 1 N., R. 1 E.	
1.	Flora	2
2.	Fitzhoby-Benton	2
3.	Lucky	3
4.	Crawford No. 1	3
5.	McCabe or Northwestern	3
6.	Swift Calvert	3
7.	Brooks Star	3
8.	Swift-Hall	3
9.	Bell Rowe	4
10.	Wilkie	4
11.	Wilkie-Lucky	4
12.	Frontier	4
13.	Calvert	4
14.	Lucky-U	4
15.	Century	4
16.	Kenley	4
17.	Kenley	4
18.	Kirtley-Hagerty	4
19.	Coleman	10
20.	Coleman-Kenney	10
21.	Applebee-Cannaday Level	10
22.	Ewing and Cook	10
23.	Ewing-Cannaday	10
24.	Wrightsman	10
25.	Iowa, Imperial or Hoover	10
26.	Cottingham No. 1	10
27.	Cottingham No. 2	10
28.	Cottingham	10
29.	Empress	10
30.	Fitzhoy-Spencer	10
31.	Hoskins-Hall	11
32.	Hoskins	11
33.	Fields	11
34.	Hendricks	11
35.	Burton Star	11
36.	Farney	11
37.	Farney-Lucky	11
38.	Dirtus	11
39.	Hicks	14
40.	Hendricks	14
41.	Lindley Level	14
42.	New Six-Hinds	15
43.	Six-Hinds	15
44.	Whitley	15
45.	Whitley	15
46.	Whitley-Lucky	15
47.	Jack of Clubs	22
48.	Jack of Clubs	22
49.	Bell No. 2 (Reserve)	22
50.	Kirtley	22
51.	Kirtley-Robert	22
52.	Bidwell	22
53.	Byron	23
54.	Byron-Green	23
55.	North Monmouth	23
56.	Morrand	23
57.	Morrand	23
58.	Morrand	23
59.	Trowarths	26
60.	Consolidated	26
61.	Consolidated-Hinds	26
62.	Otho Bell	26
63.	Carson	26
64.	Jack of Diamonds	26
65.	Jack-Ace	26
66.	Hoskins-Craig	26
67.	Sally Waters	26
68.	Sally Waters	26
69.	Lucky Tractor	26
70.	Indian Mound	26
71.	Ida	27
72.	Hoxie (Langham, N. Hoxie)	27
73.	Little Joe	27
74.	Little Joe-Iron Run	27
75.	Blackstone	27
76.	Champion	27
77.	Consolidated	27
78.	Longhorn	27
79.	Fox	28
80.	Kennedy (Mills, Hoskins, Winnebago)	28
81.	Badger	28
82.	Spencer	28
83.	Cleveland	28
84.	Square Deal	28
85.	Square Deal	28
86.	McWilliam	28
87.	Big Dad	32
88.	Big Dad	32
89.	Erlanger	32
90.	Federal	32
91.	Federal	32
92.	Tunnel Hill	32
93.	Rowe	32
94.	Rowe-Crawford	32
95.	Craig Level	33
	T. 1 N., R. 2 E.	
96.	Hoffman (Hoffman-Hanley)	4
97.	Craigmile	4
98.	B and C	4
99.	McFarley Level	4
100.	Gaylord Level	4
101.	Gaylord	4
102.	Galena Level	4
103.	Stone Level	4
104.	Stone-Hoxie	4
105.	Spencer and Myers	5
106.	Gibbs	5
107.	Gibbons (Hoxhalin)	5
108.	Hoxie and Logan	5
109.	Expansion	8
110.	Expansion	8
111.	Dalton	9
112.	Old Mahaley	9
113.	Mahaley-Hoxie	9
114.	Maid of Erin	9
115.	Logan	10
116.	Crawford	10
117.	Ida	17
118.	New Hollen	17
119.	Wiper (Wrinkell No. 1)	17
120.	Wrinkell	18
121.	Ida No. 2	19
122.	Old Wrinkell	19
123.	Reedy	19
124.	Hoskins	19
125.	Lyon (Wrinkell No. 4)	19
126.	Thompson	20
127.	Hoskins	20
128.	New Langhorn	20
	T. 1 N., R. 1 W.	
129.	Jefferson	13
130.	Tommy Dodd	13
131.	Hanger	24
132.	Hoxie-Bob (Irondale Creek)	24
133.	Madden	25
134.	Madden	25
135.	Crawford	25