

County .....SULLIVAN.....  
T .....9.N..... R .....8.W.....  
Sec .....SW NE 5.....  
Other Survey .....

Quarry or Pit.....Core..... Dim ..... Other ...X.....  
Name ..Superior Mine Section.....  
Former Names .....  
.....  
Operator .....  
Former Operators .....

COAL AND INDUSTRIAL MINERALS SECTION  
INDIANA GEOLOGICAL SURVEY  
DEPARTMENT OF NATURAL RESOURCES  
611 NORTH WALNUT GROVE  
BLOOMINGTON, INDIANA 47401

MEMORANDUM REPORTS BY:	
Name	Date
1 ..... Dallas Fiandt.....	July 25, 1950.....
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3 .....	.....
4 .....	.....
5 .....	.....
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8 .....	.....
9 .....	.....
10 .....	.....

REMARKS
Chemical analyses

Superior Mine Section  
 Sullivan County, Indiana  
 July 25, 1950  
 by Dallas Fiandt

This section is located 2.5 miles east of Farmersburg in the SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 5, T. 9 N., R. 8 W.

Unit	Description	Thick- ness	Sample
	Coal V	4.0	
	Shale: Tan to blue-gray and black, platy.	5.0	
	Providence limestone		
1	Limestone: Blue-gray, weathers tan, dense, slightly glauconitic, brecciated with some calcite filling, finely granular. Chip sample F50-195. Rock sample F50-196 taken from the middle of the section.	2.1	F50-0196
1	Limestone: Blue-gray, weathers tan, dense, slightly glauconitic, brecciated with some calcite filling, finely granular. Chip sample F50-195. Rock sample F50-196 taken from the middle of the section.		F50-0195
	Measured thickness of exposed Providence limestone	2.1	
	Total thickness of measured section	11.1	

July 25, 1950

SUPERIOR MINE SECTION  
Sullivan County, Indiana

Loc. 872

This section is located 2.5 miles east of Farmersburg in the  
SW <sup>1</sup>/<sub>4</sub> NE <sup>1</sup>/<sub>4</sub> sec. 5, T. 9 N., R. 8 W.

The following section was measured and sampled:

Unit	Description	Thickness in feet
Coal VI		app. 4.0
	Shale: Tan to blue-gray and black, platy.	5.0
1	Providence limestone	
	Limestone: Blue-gray, weathers tan, dense, slightly glauconitic, brecciated with some calcite filling, finely granular. Chip sample F50-195. Rock sample F50-196 taken from the middle of the section.	2.1 F50-195
Measured thickness of exposed Providence limestone		2.1
Total thickness of measured section		11.1

This section was obtained in a drainage ditch running south just  
behind the scale house. Natural outcrops may be found in the headwaters  
of Busseron Creek a few hundred feet west of the above section.  
Where the limestone is acted upon by water it becomes more rubbly.

The limestone is quite local and is not found in the present active strip pit to the south.

For further details see notebook page 54.

Respectfully submitted,

*Dallas Flandt*

Dallas Flandt,  
Party Chief

## SPECTROCHEMICAL ANALYSES OF THE SUPERIOR MINE SECTION, SULLIVAN COUNTY

[illegible]