

*Diamond Mine.*—This mine is situated one mile below Kenmare on the east side of the lake, and has its approaches directly on the railroad. Its output is about 100 tons a day during the fall and winter. The company runs its lignite to a large coal shed, where it is dumped directly into box cars. The mine is worked double entry, room and pillar system. The walls are firm and no serious difficulty is experienced with water. A considerable area has been worked out, as is shown by the large quantity of coal shipped from the mine. The seam has a thickness of five feet, dips at the entry through a vertical distance of

eight feet until the floor of the mine is reached, where it remains horizontal.

Analysis of the lignite shows the following constituents :

From the top of the seam: PER CENT

Volatile matter .....	37.24
Fixed carbon .....	52.98
Ash .....	9.78

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Total .....	100.00
Moisture .....	33.00

From the center : PER CENT

Volatile matter .....	33.77
Fixed carbon .....	56.82
Ash .....	9.41

Total .....	100.00
Moisture .....	33.00

Eighteen inches from the bottom : PER CENT

Volatle matter .....	36.38
Fixed carbon .....	56.97
Ash' .....	6.75

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Total .....	100.00
Moisture .....	33.60