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nor is the percentage value of the ore as high, being about 40% iron. The ore is brittle and has about one percent of phosphorous present. A small percentage of vanadium is present and is extracted. It has been found that there is about 1.6% of sulphur and about 0.05% of arsenic, the latter causing a weakness in iron that makes it worthless for certain products. It is also an expensive process to remove the arsenic from the iron. The iron ore reserves in the Kerch Peninsula area are estimated to be about 2.7 billion tons.

4. Quartzitic deposits with a high percentage of iron have been located in the areas about Kremenchug, Orikhova, Korsak-Mohyla and Slavgorod. The total deposits and indications of new areas make the Ukraine one of the richest iron ore regions in the world.
5. The richest deposits of manganese in the Ukraine are found in an area about 150 kilometers square located on the right bank of the lower part of the Dnepr River around Nikopol; (one of the largest in the world.) The reserves are estimated to be about 450 million tons, from which 190 million tons of pure manganese can be extracted. The beds average 6.5 feet in thickness and are found at a depth of from 50 to 250 feet under the surface. The ore yields about 35 to 50% of manganese and contains oolitic earthy lenses and nodules of pyrolusite, wad, polianite, manganite and iron oxides. Other deposits are found near Khoshchevatka in the vicinity of Haisyn on the left bank of the Boh River, (estimated at about eight million tons.)
6. Prior to World War II deposits of manganese were found in the Carpathian Mountains near the springs of the White and Black Cheremosh Rivers. These deposits were estimated to be about 10 million tons, however, because of the difficult terrain, the field is not exploited. There are additional deposits located on the north slopes of the Caucasus Mountains in the basin of the Bila and Laba Rivers in the vicinity of Labynska, (estimated to be between 34 and 38 million tons.)

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1-12/732.11 4N

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