GROUND WATER

1. Ground water is the unsaturated part of the water of the ground. It is the water that fills the pores and spaces of the rocks and soil, and is in direct contact with the atmosphere. Ground water is found in the earth's crust, and is replenished by precipitation that infiltrates the ground.

2. Ground water is divided into two main types: superficial ground water and deep ground water. Superficial ground water is found near the surface of the earth, and is replenished by precipitation. Deep ground water is found deeper in the earth's crust, and is replenished by groundwater movement.

3. Ground water is an important source of water for many uses, including drinking water, irrigation, and industrial processes. However, ground water can also be affected by pollution, and efforts are ongoing to protect and manage this valuable resource.

CONCLUSIONS

SUMMARY OF WATER RESOURCES IN THE BIG STONE LAKE WATERSHED

The Big Stone Lake watershed is located in central Minnesota, and covers an area of approximately 5,000 square miles. It is a major source of water for the nearby city of St Cloud, as well as for other communities in the region. The watershed is home to a variety of aquatic species, and is an important part of the region's ecosystem.

The table below summarizes the water resources in the Big Stone Lake watershed:

<table>
<thead>
<tr>
<th>Source</th>
<th>Minnesota River and Water Tributaries</th>
<th>Local Groundwater</th>
<th>Lake Water</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage</td>
<td>52,000 acre-feet</td>
<td>4,000 acre-feet</td>
<td>5,000 acre-feet</td>
<td>1,000 acre-feet</td>
<td>58,000 acre-feet</td>
</tr>
<tr>
<td>Use</td>
<td>20,000 acre-feet</td>
<td>3,000 acre-feet</td>
<td>4,000 acre-feet</td>
<td>1,000 acre-feet</td>
<td>28,000 acre-feet</td>
</tr>
<tr>
<td>Surplus</td>
<td>32,000 acre-feet</td>
<td>1,000 acre-feet</td>
<td>1,000 acre-feet</td>
<td>0 acre-feet</td>
<td>34,000 acre-feet</td>
</tr>
</tbody>
</table>

ACKNOWLEDGMENTS

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REFERENCES


WATER RESOURCES OF THE BIG STONE LAKE WATERSHED, WEST-CENTRAL MINNESOTA

By R.D. Cotter, L. E. Bidwell, and G.H. Hollenstein

1966