Connecticut Geothermal Energy Project: Bedrock Thermal Conductivity

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Bedrock Lithology
- Grano-lite
- Granitic gneiss
- Metamorphic rocks (undivided)
- Sedimentary rocks

Bedrock Thermal Conductivity (W/mK)

<table>
<thead>
<tr>
<th>Thermal Conductivity (W/mK)</th>
<th>Number of Samples</th>
</tr>
</thead>
<tbody>
<tr>
<td>&gt; 3.5</td>
<td>18</td>
</tr>
<tr>
<td>3.0 - 3.5</td>
<td>49</td>
</tr>
<tr>
<td>2.5 - 3.0</td>
<td>110</td>
</tr>
<tr>
<td>2.0 - 2.5</td>
<td>58</td>
</tr>
<tr>
<td>&lt; 2.0</td>
<td>7</td>
</tr>
<tr>
<td>Sample Total</td>
<td>242</td>
</tr>
</tbody>
</table>

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Bedrock Thermal Conductivity

2013

This data is available for download at www.ct.gov/deep/gisdata

Scale 1 : 250,000

Notes:

- Scale 1 : 250,000
- Available as Adobe PDF
- This map and other Connecticut Geological and Natural History Survey Publications are available at www.cnhs.uconn.edupublications

Acknowledgements

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About the Map

The Connecticut and Massachusett s Geothermal Survey was established in 2000 under the leadership of the U.S. Department of Energy through the Massachusetts Geological Survey. This effort was a collaborative effort between state government and university organizations. The project was supported by the U.S. Department of Energy through a subcontract award granted by the Arizona Geological Survey to the Massachusetts Geological Survey under award number MA-EE0002850. The project was comprised of four components: Regional geologic mapping and characterization of geothermal systems; bedrock thermal conductivity mapping; interpretation of the mapper(s); and any enlargement of this map could cause misunderstanding in the detail of mapping. Bedrock units were generated from the Bedrock Geologic Map of Connecticut (Gagnon 2000). Geological units are generalized from the Connecticut Geological Survey

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