



- Od** **Decorah Shale** - (Middle Ordovician) Green, calcareous shale; thin limestone interbeds. In a few places capped by thin (less than 20 feet) erosional remnants of limestone of overlying Galena Group (not shown on map). Largely restricted to south half of Ramsey County. Unit crops out in bluffs of Mississippi River in south and west St. Paul.
- Opg** **Platteville and Glenwood Formations** - (Middle Ordovician) Fine-grained dolostone and limestone of Platteville underlain by thin, green sandy shale (3-5.5 feet thick) of Glenwood. Extensive outcrops in bluffs along Mississippi River in St. Paul.
- Osp** **St. Peter Sandstone** - (Middle Ordovician) Upper half to two-thirds: fine- to medium-grained, quartz sandstone; generally massive to thick bedded. Lower part: multicolored beds of mudstone, siltstone, and shale; interbeds of very coarse sandstone. Basal contact is erosional surface. Unit crops out in bluffs along Mississippi River.
- Opc** **Prairie du Chien Group** - (Lower Ordovician) Upper half to two thirds: commonly sandy or oolitic and thin-bedded dolostone; thin beds of sandstone and chert; thin beds of intraclastic (conglomeratic) dolostone. Lower part: generally massive or thick bedded dolostone; not oolitic or sandy, except for thin, sandy, transitional zone at base. Upper part of Prairie du Chien dolostone may contain karst solution cavities, particularly where overlying St. Peter Sandstone removed by erosion.

**FIGURE 13**  
**Bedrock Geology**  
**High Bridge Repowering Project**  
**Docket 05-91-PPS-Xcel Energy HB**

Geologic data from Mossler and Bloomgren, 1992. "Bedrock Geology" in Meyer and Swanson, 1992, "Geologic Atlas-Ramsey County, Minnesota" Minnesota Geological Survey County Atlas Series Atlas C-7.

