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Federal Fiscal Year	Vermont Project Title - Scale 1:24,000	State Dollars	Federal Dollars	Total Project Dollars
2004	Surficial, Bedrock and Aquifer Maps – S. Worcester Mtns. Watershed and Wallingford Quadrangle	\$79,099	\$79,099	\$158,198
2005	Bedrock, Surficial, and Aquifer Maps – West-Central Worcester Mtns., Brandon, and Woodstock	\$80,319	\$80,319	\$160,638
2006	Bedrock, Surficial & Aquifer Recharge Maps - Williston and Dorset	\$90,021	\$90,021	\$180,042
2007	Bedrock & Surficial Maps - Knox Mountain Area and Londonderry	\$82,180	\$82,180	\$164,360
2008	Bedrock & Surficial Maps - Charlotte and Rutland	\$81,395	\$81,395	\$162,790
2009	Surficial& Bedrock Maps – Randolph and Craftsbury	\$79,035	\$79,035	\$158,070

As a Division in the Department of Environmental Conservation, the Vermont Geological Survey (VGS) is guided by the mission to protect human health and safety. The VGS has been involved in mapping projects funded through Statemap and Cogeomap for over 25 years. The initial focus was on 1:24,000 scale bedrock maps which became the data source for the 1:100,000 scale Bedrock Geologic Map of Vermont (in review) - a cooperative VGS, USGS and UVM (University of Vermont) project. In recent years, the VGS has focused on public service mapping - bringing our science to bear on solutions to Vermont's environmental problems and public health issues. Maps have been used to address such issues as radioactivity in groundwater, groundwater recharge potential and to mitigate landslide and rockfall hazards. The VGS seeks to involve communities at a grassroots level, address issues specific to town and state needs, and focus on two major issues in Vermont – groundwater and hazards. To match state resources, STATEMAP is a valuable cooperative program.

In 2007, members of the Charlotte Selectboard and Conservation Commission requested mapping to address groundwater and resource issues. The geologic maps will be used to help guide village development, evaluate site specific surficial deposits (clays) which may protect underlying aquifers, and address local groundwater issues of low yield, radioactivity and fluoride. To enhance the application of basic funded mapping, the VGS samples and analyzes groundwater and conducts detailed fracture studies. Maps, presentations from professional meetings, and other publications are posted on the VGS web site for easy access by Vermont communities.

Recently released open file reports:

VG08-2: De Simone, D., 2008, Surficial geologic map of the town of Londonderry, Vermont.

VG08-3: Kim, J., Charnock, R., Chow, D. and Springston, G., 2008, Bedrock geologic map of the Knox Mountain pluton area, Marshfield and Peacham, Vermont .

VG08-4: Springston, G. and Kim, J., 2008, Surficial geologic map of the Knox Mtn. area, Marshfield and Peacham, Vermont.

VG09-1: Wright, S., S. Fuller, S. Jones, A. McKinney, S. Rupard, and S.D. Shaw, 2009, Surficial geologic map of the Burlington, Vermont 7.5 minute quadrangle.

VG09-2: Wright, S., A. McKinney and S. Rupard, 2009, Surficial geologic map of the Colchester, Vermont 7.5 minute quadrangle.

VG09-3: De Simone, D. and Gale, M., 2009, Surficial geology and hydrogeology of Dorset, Vermont.

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