

## Map 2: Okanagan Basin Bedrock Geology

Notes: This map was prepared as part of the report entitled "Groundwater and Hydrogeological Conditions in the Okanagan Basin, British Columbia - A State-Of-The-Basin Report", prepared by L.A. Neilson-Weich and D.M. Allen, December 2007

At the time of preparation of this report, the Geological Survey of Canada is preparing an updated bedrock geology map for the Okanagan basin (expected completion 2008).

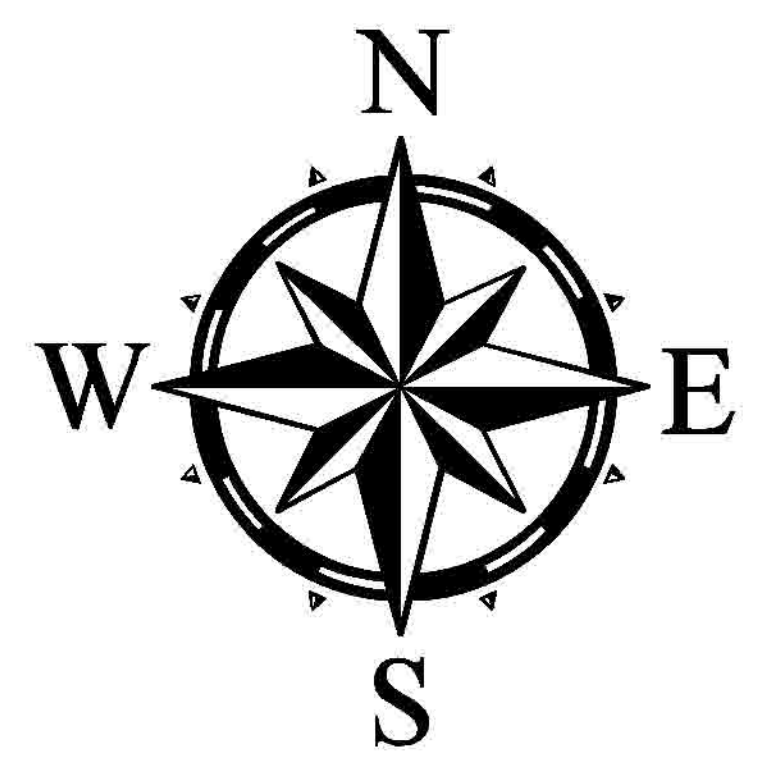
Selected bedrock attributes have been included on this map. Additional bedrock attributes can be obtained from: <http://www.em.gov.bc.ca/mining/geosurv/publications/catalog/bcgeolmap.htm>

Map compiled by DA of Summit Environmental Consultants Ltd., Vernon, BC.

References: BC watershed boundaries, lakes, and rivers - TRIM 1:20,000; Geologic data - Digital Geology Map of British Columbia, Ministry of Energy Mines and Petroleum Resources, 2005. (<http://www.em.gov.bc.ca/mining/geosurv/publications/catalog/bcgeolmap.htm>) 1:250,000; Washington Data - Washington Department of Natural Resources, 2007, 1:24,000

Date: December 2007

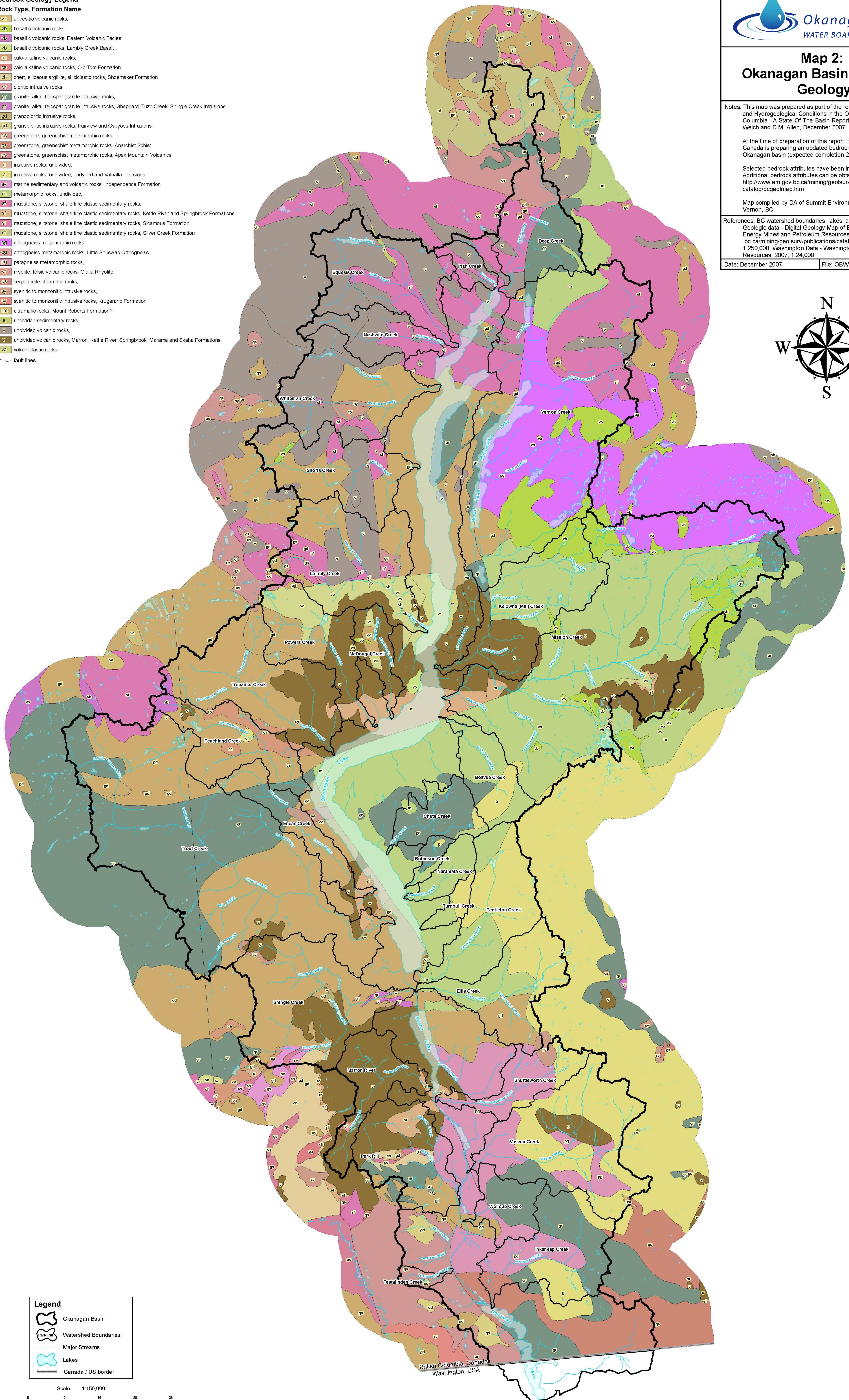
File: OBWB Bedrock.mxd








### Bedrock Geology Legend

#### Rock Type, Formation Name

- va andesitic volcanic rocks,
- vb basaltic volcanic rocks,
- vb basaltic volcanic rocks, Eastern Volcanic Facies
- vb basaltic volcanic rocks, Lambly Creek Basalt
- ca calc-alkaline volcanic rocks,
- ca calc-alkaline volcanic rocks, Old Tom Formation
- ch chert, siliceous argillite, siliciclastic rocks, Shoemaker Formation
- di dioritic intrusive rocks,
- gr granite, alkali feldspar granite intrusive rocks,
- gr granite, alkali feldspar granite intrusive rocks, Sheppard, Tuzo Creek, Shingle Creek Intrusions
- gd granodioritic intrusive rocks,
- gd granodioritic intrusive rocks, Fairview and Osoyoos Intrusions
- gs greenstone, greenschist metamorphic rocks,
- gs greenstone, greenschist metamorphic rocks, Anarchist Schist
- gs greenstone, greenschist metamorphic rocks, Apex Mountain Volcanics
- g intrusive rocks, undivided,
- g intrusive rocks, undivided, Ladybird and Valhalla intrusions
- sv marine sedimentary and volcanic rocks, Independence Formation
- m metamorphic rocks, undivided,
- sf mudstone, siltstone, shale fine clastic sedimentary rocks,
- sf mudstone, siltstone, shale fine clastic sedimentary rocks, Kettle River and Springbrook Formations
- sf mudstone, siltstone, shale fine clastic sedimentary rocks, Sicamous Formation
- sf mudstone, siltstone, shale fine clastic sedimentary rocks, Silver Creek Formation
- og orthogneiss metamorphic rocks,
- og orthogneiss metamorphic rocks, Little Shuswap Orthogneiss
- pd paragneiss metamorphic rocks,
- vf rhyolite, felsic volcanic rocks, Olalla Rhyolite
- us serpentinite ultramafic rocks,
- sv syenitic to monzonitic intrusive rocks,
- sv syenitic to monzonitic intrusive rocks, Krugerand Formation
- um ultramafic rocks, Mount Roberts Formation?
- s undivided sedimentary rocks,
- v undivided volcanic rocks,
- v undivided volcanic rocks, Marron, Kettle River, Springbrook, Marama and Skaha Formations
- vc volcanoclastic rocks,
- fault lines



### Legend

-  Okanagan Basin
-  Watershed Boundaries
-  Major Streams
-  Lakes
-  Canada / US border

Scale: 1:150,000



British Columbia, Canada  
Washington, USA