



Symbol and Unit	Lithology	Age
Qa	alluvium	Holocene
Qb	beach deposits	Holocene
Qd	dune sand	Holocene
Qf	artificial fill, modified land	Holocene
Qls	mass wasting deposits	Holocene
Qp	peat deposits	Holocene
Qc(w)	continental sed. deposits	Pleistocene
Qga	advance cont. glacial outwash	Pleistocene, Fraser
Qgas	advance glacial outwash, sand	Pleistocene, Fraser
Qgd	cont. glacial drift	Pleistocene, Fraser
Qgdm	glaciomarine drift	Pleistocene, Fraser
Qgo	cont. glacial outwash	Pleistocene, Fraser
Qgom	cont. glacial outwash, marine	Pleistocene, Fraser
Qgos	cont. glacial outwash, sand	Pleistocene, Fraser
Qgpc	cont. glacial drift & non-glacial	Pleistocene, pre-Fraser
Qgt	cont. glacial till	Pleistocene, Fraser
Qguc	glacial & non-glacial deposits	Pleistocene
Ec(cp)	cont. sed. deposits or rocks	Eocene
Km	marine sed. rocks	Cretaceous
Kn(nc)	marine sed. rocks	Cretaceous
Kn	nearshore sed. rocks	Cretaceous
Kvb(lr)	basalt flows	Cretaceous
KJar(f)	argillite	Cretaceous-Jurassic
KJm	marine sed. rocks	Cretaceous-Jurassic
KJmm	marine metasedimentary rocks	Cretaceous-Jurassic
KJms	metasedimentary rocks	Cretaceous-Jurassic
KJmv(g)	metavolcanic rocks	Cretaceous-Jurassic
KJn	nearshore sed. rocks	Cretaceous-Jurassic
KJvc(f)	volcaniclastic deposits/rocks	Cretaceous-Jurassic
Jm(fh)	marine sed. rocks	Jurassic, upper
Jmv(fh)	metavolcanic rocks	Jurassic, mid to upper
Ji(f)	intrusive rocks, undivided	Jurassic
Jigb(f)	gabbro	Jurassic
Jmt(l)	metased. & metavolc. rocks	Jurassic
Jph(d)	gabbro	Jurassic
Ju(f)	ultrabasic rocks	Jurassic
Jv(f)	volcanic rocks	Jurassic
Jvb	basalt flows	Jurassic
JTRmc	metasedimentary rocks, cherty	Jurassic-Triassic
JTRmct(o)	chert-rich marine sed. rocks	Jurassic-Triassic
TRn	nearshore sed. rocks	Triassic
TRPmv	volcanic rocks	Triassic-Permian
PMDmt	metased. & metavolc. rocks	Permian-Devonian
PMDvs(e)	volcanic & sed. rocks	Permian-Devonian
pPMsh	schist, low grade	pre-Permian
pDi	intrusive rocks, undivided	pre-Devonian
pDt(t)	tonalite	pre-Devonian
tz	tectonic zone	NA

Geology and Seafloor Bathymetry of the San Juan Islands

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Bathymetric data was acquired between 1999 and 2006 by the Canadian Hydrographic Service (Simrad EM1002 and Simrad EM3000) and the Seafloor Mapping Lab of California State University Monterey Bay (Reson 8101). All data was compiled and mosaiced by the Center for Habitat Studies at Moss Landing Marine Labs and gridded at 5 meter resolution. Digital 1:100,000-scale geological maps were provided by the Washington State Department of Natural Resources, Division of Geology and Earth Resources, 2005.

