

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
af	Artificial Fill	ml	Made land; material moved for construction and agricultural purposes	late Holocene
Qsu	Undifferentiated Surficial Deposits; includes colluvium, slope wash, talus deposits, and other surface deposits of all ages	Qimc	Intermediate mass-movement colluvial deposits; colluvial materials greater than 2 meters; rocky and poorly sorted; strongly varnished	Pleistocene
Qsu	Undifferentiated Surficial Deposits; includes colluvium, slope wash, talus deposits, and other surface deposits of all ages	Qimc+Qymc	Intermediate mass-movement colluvial deposits and young mass-movement colluvial materials; intermixed	Holocene and Pleistocene
Qsu	Undifferentiated Surficial Deposits; includes colluvium, slope wash, talus deposits, and other surface deposits of all ages	Qmc	Mass-movement colluvial deposits, undivided; colluvial materials greater than 2 meters; rocky and poorly sorted; weak to strongly developed soils	Holocene and Pleistocene
Qsu	Undifferentiated Surficial Deposits; includes colluvium, slope wash, talus deposits, and other surface deposits of all ages	Qmc/mv	Mass-movement colluvial deposits overlie mafic volcanic rocks (dacite, andesite, basalt); colluvial materials greater than 2 meters; rocky and poorly sorted; weak to strongly developed soils	Holocene and Pleistocene/Pliocene to early Proterozoic
Qsu	Undifferentiated Surficial Deposits; includes colluvium, slope wash, talus deposits, and other surface deposits of all ages	Qyg	Young groundwater discharge deposits; silt and fine sand in zones of former water discharge; loose to compact silt, fine sand and calcium carbonate	Holocene and late Pleistocene
Qls	Landslide Deposits; may include debris flows and older landslides	Qiad	Intermediate-age alluvial deposits dominated by debris flows; classified by hummocky topography	late and middle Pleistocene
Qw	Alluvial Wash Deposits	Qaw+Qyw	Active wash deposits and young wash deposits; intermixed	late Holocene to latest Pleistocene
Qw	Alluvial Wash Deposits	Qawg+Qywg	Active wash deposits with clasts from granitic sources that weather to grus and young wash deposits with clasts from granitic sources that weather to grus; intermixed	late Holocene to latest Pleistocene
Qw	Alluvial Wash Deposits	Qyw+Qaw	Young wash deposits and active wash deposits; intermixed	late Holocene to middle Pleistocene
Qw	Alluvial Wash Deposits	Qywg+Qawg	Young wash deposits with clasts from granitic sources that weather to grus and active wash deposits with clasts from granitic sources that weather to grus; intermixed	late Holocene and latest Pleistocene

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qf	Alluvial Fan Deposits	Qaa+Qya	Active alluvial fan deposits and young alluvial fan deposits; intermixed	late Holocene to latest Pleistocene
Qf	Alluvial Fan Deposits	Qaag	Active alluvial fan deposits; predominately clasts from granitic sources that weather to grus	late Holocene
Qf	Alluvial Fan Deposits	Qaag+Qyag	Active alluvial fan deposits with clasts from granitic sources that weather to grus and young alluvial fan deposits with clasts from granitic sources that weather to grus; intermixed	late Holocene to latest Pleistocene
Qf	Alluvial Fan Deposits	Qia+Qaa	Intermediate alluvial fan deposits and active alluvial fan deposits; intermixed	late Holocene to middle Pleistocene
Qf	Alluvial Fan Deposits	Qya+Qaa	Young alluvial fan deposits and active alluvial fan deposits; intermixed	late Holocene to latest Pleistocene
Qf	Alluvial Fan Deposits	Qyag+Qaag	Young alluvial fan deposits with clasts from granitic sources that weather to grus and active alluvial fan deposits with clasts from granitic sources that weather to grus; intermixed	late Holocene to middle Pleistocene
Qf	Alluvial Fan Deposits	Qyay+Qaa	Young alluvial fan deposits and active alluvial fan deposits; intermixed	late Holocene to latest Pleistocene
Qa	Alluvial Valley Deposits	Qyae+Qaa	Young mixed alluvial and eolian sand deposits and active alluvial fan deposits; intermixed	late Holocene to late Pleistocene
Qa	Alluvial Valley Deposits	Qyv+Qav	Young valley-axis deposits and active valley-axis deposits; intermixed	late Holocene and late Pleistocene
Ql	Lacustrine, Playa and Estuarine (Paralic) Deposits	Qyp	Young playa deposits; moderately to well sorted silt, clay; commonly compact; rarely flooded; mostly active in Bristol Lake area	Holocene and late Pleistocene
Qv	Pleistocene age and younger formations of volcanic origin	Qae/Qmv	Active eolian sand deposits overlie mafic volcanic rocks (ejecta and lava flows); primarily in vicinity of Amboy Crater	late Holocene through Quaternary
Qe	Eolian and Dune Deposits	Qae/Qyea	Active eolian sand deposits overlie young mixed eolian and alluvial deposits	late Holocene to latest Pleistocene
Qe	Eolian and Dune Deposits	Qaed+Qyed	Active eolian sand deposits and young eolian sand deposits; intermixed	late Holocene to latest Pleistocene
Qe	Eolian and Dune Deposits	Qye+Qae	Young eolian sand deposits and active eolian sand deposits; intermixed	late Holocene to latest Pleistocene
Qe	Eolian and Dune Deposits	Qyea+Qae	Young mixed eolian sand and and alluvial deposits and active eolian sand deposits; intermixed	late Holocene and late Pleistocene

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qe	Eolian and Dune Deposits	Qyed+Qaed	Young eolian dune deposits and active eolian dune deposits; intermixed	Holocene and latest Pleistocene
Qyw	Young Alluvial Wash Deposits	Qyw	Young wash deposits; inactive wash deposits in terraces above active washes; loose moderately to poorly sorted sand, gravel, cobbles, and boulders	Holocene and latest Pleistocene
Qyw	Young Alluvial Wash Deposits	Qyw/Qiw	Young wash deposits overlies intermediate wash deposits	Holocene to middle Pleistocene
Qyw	Young Alluvial Wash Deposits	Qyw+Qiw	Young wash deposits and intermediate wash deposits; intermixed	Holocene to middle Pleistocene
Qyw	Young Alluvial Wash Deposits	Qyw+Qye	Young wash deposits and young eolian sand deposits; intermixed	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qia+Qya	Intermediate alluvial fan deposits and young alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qia+Qyao	Intermediate alluvial fan deposits and older young alluvial deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qiaq+Qyag	Intermediate alluvial fan deposits with clasts from granitic sources that weather to grus and young alluvial fan deposits with clasts from granitic sources that weather to grus; intermixed	late to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qie+Qya	Intermediate eolian sand deposits and young alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qoa?+Qya	Old alluvial fan deposits and young alluvial fan deposits; intermixed	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qoa+Qya	Old alluvial fan deposits and young alluvial fan deposits; intermixed	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya	Young alluvial fan deposits; moderately to poorly sorted; loose to slightly compacted sand and sandy gravel; no or weak desert pavement; weak varnish on clasts	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya/Qia	Young alluvial fan deposits overlies intermediate alluvial fan deposits	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya/Qoa	Young alluvial fan deposits overlies old alluvial fan deposits	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya/Qoa?	Young alluvial fan deposits overlies intermediate alluvial fan deposits	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya+Qia	Young alluvial fan deposits and intermediate alluvial fan deposits; intermixed	Holocene to middle Pleistocene

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qyf	Young Alluvial Fan Deposits	Qya+Qoa	Young alluvial fan deposits and old alluvial fan deposits; intermixed	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya+Qyao	Young alluvial fan deposits and older young alluvial fan deposits; intermixed	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya+Qye	Young alluvial fan deposits and young eolian sand deposits; intermixed	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qya+Qyg	Young alluvial fan deposits and young groundwater discharge deposits; intermixed	Holocene to late Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyad	Young alluvial fan deposits; dominated by debris flows of bouldery, matrix-supported material	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyaf	Young alluvial fan deposits; dominated by fine-grained sediments in extreme distal portions of fans; mixed with eolian deposits	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag	Young alluvial fan deposits; consist of clasts from granitic sources that weather to grus	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag/Qia	Young alluvial fan deposits with clasts from granitic sources that weather to grus overlie intermediate alluvial fan deposits	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag/Qiag	Young alluvial fan deposits with clasts from granitic sources that weather to grus overlie intermediate alluvial fan deposits with clasts from granitic sources that weather to grus	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag/Qoa	Young alluvial fan deposits with clasts from granitic sources that weather to grus overlie old alluvial fan deposits	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag/Qoag	Young alluvial fan deposits with clasts from granitic sources that weather to grus overlie old alluvial fan deposits with clasts from granitic sources that weather to grus	Holocene to early Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag+Qia	Young alluvial fan deposits with clasts from granitic sources that weather to grus and intermediate alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyag+Qiag	Young alluvial fan deposits with clasts from granitic sources that weather to grus and intermediate alluvial fan deposits with clasts from granitic sources that weather to grus; intermixed	Holocene to middle Pleistocene

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qyf	Young Alluvial Fan Deposits	Qyag+Qye	Young alluvial fan deposits with clasts from granitic sources that weather to grus and young eolian sand deposits; intermixed	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyao	Young alluvial fan deposits; older young alluvial deposits; weakly to moderately developed pavements; weak varnish	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyao/Qia	Older young alluvial fan deposits overlie intermediate alluvial fan deposits	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyao+Qia	Older young alluvial fan deposits and intermediate alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyao+Qya	Older young alluvial fan deposits and young alluvial fan deposits; intermixed	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyay	Young alluvial fan deposits; younger alluvial deposits that lack deposits of Qyao	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyay+Qyao	Young alluvial fan deposits and older young alluvial deposits; intermixed	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qiaq+Qyae	Intermediate alluvial fan deposits with clasts from granitic sources that weather to grus and young mixed alluvial and eolian sand deposits; intermixed	Late to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyae	Young mixed alluvial and eolian sand deposits; alluvial process dominant; loose gravelly sand; little or no soil development	Holocene and latest Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyae/Qia	Young mixed alluvial and eolian sand deposits overlie intermediate alluvial fan deposits	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyae+Qia	Young mixed alluvial and eolian sand deposits and intermediate alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyae+Qiae	Young mixed alluvial and eolian sand deposits and intermediate mixed alluvial and eolian sand deposits; intermixed	Holocene to middle Pleistocene
Qyf	Young Alluvial Fan Deposits	Qyae+Qya	Young mixed alluvial and eolian sand deposits and young alluvial fan deposits; intermixed	Holocene and late Pleistocene
Qya	Young Alluvial Valley Deposits	Qyv	Young valley-axis deposits; fine grained, loose moderately to poorly sorted sand, silt, clay; characterized by anastomosing washes, interfluvial and interfingering eolian deposits	Holocene and late Pleistocene

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qya	Young Alluvial Valley Deposits	Qyv+Qia	Young valley-axis deposits and intermediate alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qyl	Young Lacustrine, Playa and Estuarine (Paralic) Deposits	Qypf	Young playa deposits; playa fringe deposits of mixed eolian, lacustrine, playa, alluvial groundwater origins	Holocene and late Pleistocene
Qye	Young Eolian and Dune Deposits	Qye	Young eolian sand deposits; generally inactive; loose to moderately well sorted, moderately to weakly bedded fine to medium grained sand	Holocene and latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qye/fp	Young eolian sand deposits overlie felsic plutonic rocks (granite, granodiorite)	Holocene and latest Pleistocene/Pliocene to early Proterozoic
Qye	Young Eolian and Dune Deposits	Qye/fv	Young eolian sand deposits overlie felsic volcanic rocks (rhyolite, rhyodacite, felsite)	Holocene and latest Pleistocene/Pliocene to early Proterozoic
Qye	Young Eolian and Dune Deposits	Qye/mp	Young eolian sand deposits overlie mafic plutonic rocks (gabbro, diorite, monzodiorite, syenite, alkalic rocks)	Holocene and latest Pleistocene/Pliocene to early Proterozoic
Qye	Young Eolian and Dune Deposits	Qye/mv	Young eolian sand deposits overlie mafic volcanic rocks (dacite, andesite, basalt)	Holocene and latest Pleistocene/Pliocene to early Proterozoic
Qye	Young Eolian and Dune Deposits	Qye/Qiag	Young eolian sand deposits overlie intermediate alluvial fan deposits with clasts from granitic sources that weather to grus	Holocene to latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qye/QToa	Young eolian sand deposits overlie extremely old alluvial fan deposits	Holocene to middle Pleistocene/Pliocene
Qye	Young Eolian and Dune Deposits	Qye/Qyag	Young eolian sand deposits overlie young alluvial fan deposits with clasts from granitic sources that weather to grus	Holocene to latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qye/Qyao	Young eolian sand deposits overlie older young alluvial fan deposits	Holocene to latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qye/Qyvo	Young eolian sand deposits overlie older young valley-axis deposits	Holocene to latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qye+Qia	Young eolian sand deposits and intermediate alluvial fan deposits; intermixed	Holocene to middle Pleistocene
Qv	Pleistocene age and younger formations of volcanic origin	Qye+Qmv	Young eolian sand deposits and mafic volcanic rocks (ejecta and lava flows); intermixed	Holocene through Quaternary

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qye	Young Eolian and Dune Deposits	Qyea	Young mixed eolian sand and alluvial deposits; eolian processes dominate; loose mixed sand with sparse gravel	Holocene and late Pleistocene
Qye	Young Eolian and Dune Deposits	Qyea/Qia	Young mixed eolian sand and alluvial deposits overlie intermediate alluvial fan deposits	Holocene to middle Pleistocene
Qye	Young Eolian and Dune Deposits	Qyea/Qia?	Young mixed eolian sand and alluvial deposits overlie intermediate alluvial fan deposits	Holocene to middle Pleistocene
Qye	Young Eolian and Dune Deposits	Qyed	Young eolian sand deposits; dune deposits; commonly steep, well bedded with steep slip faces	Holocene and latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qyer/fp	Young eolian sand deposits on inclined surface overlie felsic plutonic rocks (rhyolite, rhyodacite, felsite)	Holocene and latest Pleistocene/Pliocene to early Proterozoic
Qye	Young Eolian and Dune Deposits	Qyer/mv	Young eolian sand deposits on inclined surface overlie metamorphic rocks (gneiss, migmatite, mixed rocks)	Holocene and latest Pleistocene/Pliocene to early Proterozoic
Qye	Young Eolian and Dune Deposits	Qyes	Young eolian dune deposits; well to moderately sorted sand sheet deposits generally forming sub-horizontal surface over unconsolidated deposits	Holocene and latest Pleistocene
Qye	Young Eolian and Dune Deposits	Qyes/Qiea	Young eolian dune deposits overlie intermediate mixed eolian and alluvial sand deposits	Holocene to middle Pleistocene
Qow	Old Alluvial Wash Deposits	Qiw	Intermediate wash deposits; inactive wash sediments; form high terraces along active washes	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qia	Intermediate alluvial fan deposits; poorly sorted sandy gravel; moderately to well developed desert pavement; moderate to strong varnish	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qia/fp	Intermediate alluvial fan deposits overlie felsic plutonic rocks (granite, granodiorite)	late to middle Pleistocene/Pliocene to early Proterozoic
Qof	Old Alluvial Fan Deposits	Qia/fv	Intermediate alluvial fan deposits overlie felsic volcanic rocks (rhyolite, rhyodacite, felsite)	late to middle Pleistocene/Pliocene to early Proterozoic

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qof	Old Alluvial Fan Deposits	Qia/pc	Intermediate alluvial fan deposits overlies partly consolidated sedimentary deposits	late to middle Pleistocene/Pliocene to early Proterozoic
Qof	Old Alluvial Fan Deposits	Qia/Qoa	Intermediate alluvial fan deposits overlies old alluvial fan deposits	late to early Pleistocene
Qof	Old Alluvial Fan Deposits	Qia?	Intermediate alluvial fan deposits	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qia+Qoa	Intermediate alluvial fan deposits and old alluvial fan deposits; intermixed	late to early Pleistocene
Qof	Old Alluvial Fan Deposits	Qiaq	Intermediate alluvial fan deposits; consist of clasts from granitic sources that weather to grus; surface poorly developed; weak to no pavement	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qiaq/fpg	Intermediate alluvial fan deposits with clasts from granitic sources that weather to grus overlies felsic plutonic rocks that weather to grus	late to middle Pleistocene/Pliocene to early Proterozoic
Qof	Old Alluvial Fan Deposits	Qiaq?	Intermediate alluvial fan deposits with clasts from granitic sources that weather to grus	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qiao	Intermediate alluvial fan deposits; older intermediate fan deposits; degraded or moderately developed pavement	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qiao+Qia	Intermediate alluvial fan deposits and older intermediate fan deposits; intermixed	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qiao+Qoa	Intermediate alluvial fan deposits and old alluvial fan deposits; intermixed	middle to early Pleistocene
Qof	Old Alluvial Fan Deposits	Qiaog	Intermediate alluvial fan deposits; older intermediate deposits; consist of clasts from granitic sources that weather to grus; degraded or moderately developed pavement	late to middle Pleistocene
Qof	Old Alluvial Fan Deposits	Qoa+Qia	Old alluvial fan deposits and intermediate alluvial fan deposits; intermixed	late to early Pleistocene
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qpv-mr	Veneered pediment within metamorphic rocks (gneiss, migmatite, mixed rocks)	Pliocene to early Proterozoic
Qoe	Old Eolian and Dune Deposits	Qie	Intermediate eolian sand deposits; eolian sand sediments generally inactive; flat, moderately compact surfaces; sparsely vegetated	late to middle Pleistocene

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qvof	Very Old Alluvial Fan Deposits	Qoa	Old alluvial fan deposits; degraded remnants of abandoned surfaces forming bouldery ridges; poorly sorted sand and gravel, compacted to well cemented; most upper soil horizons stripped by erosion; some remnant varnished pavement clasts	middle to early Pleistocene/Pliocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	Qoa/fp	Old alluvial fan deposits overlie felsic plutonic rocks (granite, granodiorite)	middle to early Pleistocene/Pliocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	Qoa/fv	Old alluvial fan deposits overlie volcanic plutonic rocks (dacite, andesite, basalt)	middle to early Pleistocene/Pliocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	Qoa/mr	Old alluvial fan deposits overlie metamorphic rocks	middle to early Pleistocene/Pliocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	Qoa/pc	Old alluvial fan deposits overlie partly consolidated sedimentary deposits	middle to early Pleistocene/Pliocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	Qoa?	Old alluvial fan deposits	middle to early Pleistocene
Qvof	Very Old Alluvial Fan Deposits	Qoad	Old alluvial fan deposits; dominated by debris flows of bouldery, matrix-supported material	middle to early Pleistocene
Qvof	Very Old Alluvial Fan Deposits	Qoag	Old alluvial fan deposits; consist of clasts from granitic sources that weather to grus	middle to early Pleistocene
Qvof	Very Old Alluvial Fan Deposits	Qoag/fv	Old alluvial fan deposits overlie felsic volcanic rocks (rhyolite, rhyodacite, felsite)	middle to early Pleistocene/Pliocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	QToa	Extremely old alluvial fan deposits; lack of original landform and soil horizons; poorly sorted, compact bouldery gravel and sand; deeply dissected terrain	early Pleistocene to Pliocene
Qvof	Very Old Alluvial Fan Deposits	QToa/fpg	Extremely old alluvial fan deposits over lie felsic plutonic rocks (granite, granodiorite) that weather to grus	early Pleistocene to early Proterozoic
Qvof	Very Old Alluvial Fan Deposits	QToa/mp	Extremely old alluvial fan deposits overlie mafic plutonic rocks (gabbro, diorite, monzodiorite, syenite, alkalic rocks)	early Pleistocene to early Proterozoic

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Qvof	Very Old Alluvial Fan Deposits	QToa?	Extremely old alluvial fan deposits	early Pleistocene to Pliocene
Qv	Pleistocene age and younger formations of volcanic origin	Qha/Qmv	Abundant hillslope deposits overlie mafic volcanic rocks (ejecta and lava flows); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure; includes basaltic rocks of Amboy Crater, cinder cones	Holocene and Quaternary
Qv	Pleistocene age and younger formations of volcanic origin	Qha/QTmv	Abundant hillslope deposits overlie mafic volcanic rocks (ejecta and lava flows); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Quaternary to Tertiary
Qv	Pleistocene age and younger formations of volcanic origin	Qye/Qmv	Young eolian sand deposits overlie mafic volcanic rocks (ejecta and lava flows)	Holocene to middle Pleistocene/Quaternary
Tss	Coarse-grained Tertiary age formations	Qha/pc	Abundant hillslope deposits overlie partly consolidated sedimentary deposits; hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure; locally includes volcanic or highly altered rocks	Holocene and Pleistocene/Pliocene to early Proterozoic
Tss	Coarse-grained Tertiary age formations	Qha/pc?	Abundant hillslope deposits overlie partly consolidated sedimentary deposits; hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure; locally includes volcanic or highly altered rocks	Holocene and Pleistocene/Pliocene to early Proterozoic
Tss	Coarse-grained Tertiary age formations	Qha/sl	Abundant hillslope deposits overlie siliciclastic rocks (silicic sedimentary and metamorphic rocks; sandstone, quartzite, shale, siltstone); hillslope deposits generally less than 2 meters thick, patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
Tss	Coarse-grained Tertiary age formations	Qha/sl?	Abundant hillslope deposits overlie siliciclastic rocks (silicic sedimentary and metamorphic rocks; sandstone, quartzite, shale, siltstone); hillslope deposits generally less than 2 meters thick, patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
Tss	Coarse-grained Tertiary age formations	Qpi-pc	Incised pediment within partly consolidated sedimentary deposits	middle to early Pleistocene/Pliocene to early Proterozoic
Tv	Tertiary age formations of volcanic origin	Qha/fv	Abundant hillslope deposits overlie felsic volcanic rocks (rhyolite, rhyodacite, felsite); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
Tv	Tertiary age formations of volcanic origin	Qha/fv?	Abundant hillslope deposits overlie felsic volcanic rocks (rhyolite, rhyodacite, felsite); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
Tv	Tertiary age formations of volcanic origin	Qha/mv	Abundant hillslope deposits overlie mafic volcanic rocks (dacite, andesite, basalt); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
Tv	Tertiary age formations of volcanic origin	Qha/mv?	Abundant hillslope deposits overlie mafic volcanic rocks (dacite, andesite, basalt); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
Tv	Tertiary age formations of volcanic origin	Qhs/fv	Sparse hillslope deposits overlie felsic volcanic rocks (rhyolite, rhyodacite, felsite); hillslope deposits generally less than 2 meters thick and patchy; disaggregated cover less than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic

ptype	name	source_ptype	source_name	source_age
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qha/ca	Abundant hillslope deposits overlie carbonate rocks (marble, dolomite, limestone); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qha/mr	Abundant hillslope deposits overlie metamorphic rocks (gneiss, migmatite, mixed rocks); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qha/mr?	Abundant hillslope deposits overlie metamorphic rocks (gneiss, migmatite, mixed rocks); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qhs/ca	Sparse hillslope deposits overlie carbonate rocks (marble, dolomite, limestone); hillslope deposits generally less than 2 meters thick and patchy; disaggregated cover less than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qhs/mr	Sparse hillslope deposits overlie metamorphic rocks (gneiss, migmatite, mixed rocks) and felsic plutonic rocks (granite, granodiorite); hillslope deposits generally less than 2 meters thick and patchy; disaggregated cover less than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qpd-mr	Deeply dissected pediment within metamorphic rocks (gneiss, migmatite, mixed rocks)	middle to early Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qpi-mr	Incised pediment within metamorphic rocks (gneiss, migmatite, mixed rocks)	middle to early Pleistocene/Pliocene to early Proterozoic
pKm	Cretaceous and pre-Cretaceous metamorphic formations of sedimentary and volcanic origin	Qpv+Qiag	Veneered pediment within metamorphic rocks (gneiss, migmatite, mixed rocks)	Pliocene to early Proterozoic

Amboy Geologic Labels

ptype	name	source_ptype	source_name	source_age
gr	Granitic and other intrusive crystalline rocks of all ages	Qha/fp	Abundant hillslope deposits overlie felsic plutonic rocks (granite, granodiorite); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qha/fp?	Abundant hillslope deposits overlie felsic plutonic rocks (granite, granodiorite); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qha/fpg	Abundant hillslope deposits overlie felsic plutonic rocks (granite, granodiorite); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qha/mp	Abundant hillslope deposits overlie mafic plutonic rocks (gabbro, diorite, monzodiorite, syenite, alkalic rocks); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qha/mp?	Abundant hillslope deposits overlie mafic plutonic rocks (gabbro, diorite, monzodiorite, syenite, alkalic rocks); hillslope deposits generally less than 2 meters thick or patchy; disaggregated cover greater than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qhs/fp	Sparse hillslope deposits overlie felsic plutonic rocks (granite, granodiorite); hillslope deposits generally less than 2 meters thick and patchy; disaggregated cover less than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qhs/fpg	Sparse hillslope deposits overlie felsic plutonic rocks (granite, granodiorite)	Holocene and Pleistocene/Pliocene to early Proterozoic

ptype	name	source_ptype	source_name	source_age
gr	Granitic and other intrusive crystalline rocks of all ages	Qhs/mp	Sparse hillslope deposits overlie mafic plutonic rocks (gabbro, diorite, monzodiorite, syenite, alkalic rocks); hillslope deposits generally less than 2 meters thick and patchy; disaggregated cover less than rock exposure	Holocene and Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpd-fp	Deeply dissected pediment within felsic plutonic rocks (granite, granodiorite)	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpd-fpg	Deeply dissected pediment within felsic plutonic rocks that weather to produce grus	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpi-fp	Incised pediment within felsic plutonic rocks (granite, granodiorite)	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpi-fp?	Incised pediment within felsic plutonic rocks (granite, granodiorite)	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpi-fpg	Incised pediment within felsic plutonic rocks (granite, granodiorite) that weather to grus	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpi-mp?	Incised pediment within mafic plutonic rocks (gabbro, diorite, monzodiorite, syenite, alkalic rocks)	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpv-fp	Veneered pediment within felsic plutonic rocks (granite, granodiorite)	middle to early Pleistocene/Pliocene to early Proterozoic
gr	Granitic and other intrusive crystalline rocks of all ages	Qpv-fpg	Veneered pediment within felsic plutonic rocks (granite, granodiorite) that weather to grus	middle to early Pleistocene/Pliocene to early Proterozoic