

origin of the ultramafic complex at duke island ... - origin of the ultramafic complex at duke island, ... the duke island ultramafic complex crops out in ... paper is a summary of the petrology of the duke island ...

paleomagnetism of the duke island, alaska, ultramafic ... - paleomagnetism of the duke island, alaska, ultramafic complex ... geologic map of duke island ultramafic ... igneous petrology and primary structures of the duke ...

15. petrology of associated igneous rocks - usgs - 15. petrology of associated igneous rocks ... mafic-ultramafic association ... involved in the production of island-arc and back-arc volcanics that are

geochemical constraints on the origin of sulfide ... - keywords: nickel; copper; sulfide; ultramafic rocks; alaskan type; duke island. index terms: 3665 mineralogy and petrology: mineral occurrences and deposits; ...

geology and genesis of the mafic-ultramafic complexes in ... - geology and genesis of the mafic-ultramafic complexes in the huangshan ... petrology, petrochemistry and ... and the alaskan-type intrusions(e.g. duke island complex ...

joyashish thakurta - western michigan university - joyashish thakurta ... mineralogy and petrology, ... sulfide mineralization in the duke island ultramafic complex, southeastern alaska, **joyashish thakurta - wmich** - disciplines: igneous petrology, ... sulfide mineralization in the duke island ultramafic complex, southeastern alaska, geochemistry geophysics geosystems, ...

comment on "some fundamentals of igneous petrology ..." - most well-studied mafic-ultramafic sills and layered intrusions, ... and duke island ... comment on "some fundamentals of igneous petrology", ...

the platinum-group element distribution in the dumont sill ... - mineralogy and petrology (1990) 42:97-119 mineralogy ... and j. m. duke 2 1 department of geology, earth science center, ... and ultramafic zone (umz). **a fundamental dispute: a discussion of "some ..."** - of igneous petrology by bruce d. marsh, ... number of mafic-ultramafic sills and layered intrusions by ... duke island (irvine 1974). they ...

platinum-group element mineralisation within two mafic ... - platinum-group element mineralisation within two mafic/ultramafic intrusions of ... and petrology of ultrabasic rocks in the ... island of mull, argyllshire: ...

tectonic controls on mafic magmatism in the superior province - tectonic controls on mafic magmatism in the superior province ... of pge-related mafic and ultramafic magmatism in the superior province ... jour. petrology vol ...

on: 08 february 2014, at: 13:40 eastern goldfields ... - tholeiitic and high-mg mafic/ultramafic sills ... comparable to island-arc tholeiites and were derived by partial ... and there is some variation in the petrology

occurrence of mafic-ultramafic rocks - occurrence of mafic-ultramafic rocks . mantle-derived magmas duke island. the regularity of ... igneous petrology (2. nd. ed.), jones and bartlett. **the pgm-bearing volcanic ankaramite (urals, russia ...** - journal of petrology, 31, 747-777. 2. ...

alization in the duke island ultramafic complex, southeastern alaska, geochemistry geophysics geo-systems, 9, ...

geology of hawaii - dukelabs - geology of hawaii summer session two ... the island of hawaii extends from the sea floor to produce ... the lower part of the ~100 km thick oceanic lithosphere ...

orchard beach ultramafic erratics "where are they from" - orchard beach ultramafic erratics "where are they ... striated bedrock at south twin island in pelham bay ... orchard beach ultramafic erratics "where are they from

some primary structures in the chromitites of orissa, india - intrusions with particular reference to the duke island ultramafic complex. in: ... a. p. : mineralogy and petrology of sittampundi complex, salem dist ...

pistone, m., blundy, j. d., brooker, r. a., & eimf ... - contributions to mineralogy and petrology, 171(1 ... 102 are associated with small mafic/ultramafic ... 111 ultramafic zonation in cortland, duke island, ...

platinum-group mineral occurrences and platinum-group ... - minerals 2018, 8, 494 4 of 18 minerals 2018, 8, x for peer review 4 of 18 figure 2. geological map of the xiadong mafic ultramafic complex, accompanied by a horizontal

sedimentary structures in modern carbonate sands of the ... - are from the duke island ultramafic complex in the alaskan panhandle; the rocks are composed of ovine ... petrology of the simsboro formation (eocene)

primary sedimentary primary sedimentary structures and ... - sedimentary structures in igneous intrusions with particular reference to the duke island ultramafic complex t n irvine 220 ... petrology of the early experimental ...

gebelt dahanib, egypt: a late precambrian layered sill of ... - petrology 9 springer-verlag ... layered mafic-ultramafic sill about 1.5 km thick, ... mafic intrusives in the cretaceous duke island complex, alaska.

modular course exploration for magmatic ore deposits - ti-v deposits in anorthosites and mafic-ultramafic intrusions ... alexo (ontario), duke island (alaska), duluth ... igneous petrology, and ore deposits. course

modular course exploration for magmatic ore deposits - and podiform cr deposits and ti-v deposits in anorthosites and mafic-ultramafic intrusions ... alexo (ontario), duke island (alaska ... igneous petrology, and ore ...

7. references -

bibliothèque paul-milieu-boulet - uqac - alapietti tt, lahfinen jj (1986) stratigraphy, petrology, and platinum-group ... deposits in mafic and ultramafic intrusions. ... ontario and gorgona island, columbia. **lecture 12 more on intrusions - umass amherst** - lecture 12 more on layered intrusions ... duke island, alaska. ... unit in the ultramafic zone of the stillwater complex by influx of hot primitive **faculty of science course syllabus department of earth ...** - faculty of science course syllabus department of earth sciences erth 3010 igneous petrology ... island arcs [ch. 16] ... **grants-in-aid of research awards march 15, 2007 grant cycle** - grants-in-aid of research awards march 15, 2007 grant cycle ... bailey a. beitscher petrology/geochemistry colorado ... sarah c. ardire psychology long island ... **references - uqac** - to mineralogy and petrology, 94; 193 ... broad relationships with associated ultramafic rocks and ... a. j. & duke, j. m. 1990. the platinum-group element ... **au- and pge-rich massive sulphide deposits associated with ...** - change in the caribbean island arc magma source. lithos ... preliminary mineralogy and ore petrology of the ... contain the only ultramafic-hosted massive **research 1964 - alaska dggs** - research 1964 chapter c geological ... lat6 mesozoic orogenies in the ultramafic belts of northwestern california and southwestern oregon, ... and walter duke ... **alphabetical listing of theses and dissertations on north ...** - alphabetical listing of theses and dissertations ... petrology of the northern half of the topton ... duke m 1970 south carolina m

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