COMPOSITE LEGEND

OPERATION PORCUPINE PROJECT AREA
(subject to revision)

Qf	Fluviatile deposits of modern floodplains and low terraces
Qff	Fluviatile deposits of fans and fan aprons
Qgf	Glaciofluvial deposits
Ql	Lacustrine deposits and minor fluviatile deposits
Qmm	Hummocky or ridged moraine in area of mountain glaciation
Qml	Hummocky or ridged moraine in area of Laurentide glaciation
Qd	Rock slide debris
B	Pediment surfaces, mostly with thin cover of colluvium and/or organic deposits

Quaternary

Tertiary

Cretaceous

Jurassic

Triassic

Permian

Carboniferous

Upper Devonian

Middle Devonian

Lower Devonian

?Silurian and ?Devonian

Ordovician and Silurian

Upper Cambrian and Ordovician

Upper Cambrian

Middle Cambrian

Lower Cambrian

Upper Proterozoic

Lower Proterozoic

Lower Proterozoic and ?lower

Romanzof Uplift
Babbage Depression
Barn Uplift

Kuss "upper sandstone division" m

Kush "upper shale-siltstone division" m

Kq "white and coaly quartzite" m & ?nm

KJk Kingak Formation m; shale

TRs Shublik Formation m; limestone and siltstone

disconformity

Ps Sadlerochit Formation m; undivided clastics

disconformity

Endicott Group Lisburne Group

Cw Wahoo Formation m; limestone

Ca Alapah Formation m; limestone

Cky Kayak Formation nm & m; clastics limestone and coal

Ckk Kekiktuk Formation nm & m; conglomerate and sandstone

angular unconformity

Cwm unnamed volcaniclastics and limestone m (undivided Lower and Upper Cambrian)

disconformity?

Pn Neruokpuk Formation; clastics and carbonates (base not seen)

Kugaluk Homocline
Rapid Depression
Old Crow Depression
Taiga-Nahoni Fold Belt
Kandik Basin

Tjc unnamed clastics and peat nm

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Fish River Group

Tr Reindeer Formation n & nm; shale
Tak Aklak Member nm; clastics and coal

Kmc Moose Channel Formation m & nm, sandstone and mudstone; = Km Monster Formation nm, clastics

Kti Tent Island Formation m;
Kck Cuesta Creek Member m; clastics

disconformity

Kbc Boundary Creek Formation m; shale

disconformity

KAl unnamed shale and phosphatic iron m

disconformity

Kuss "upper sandstone division" m

Kush "upper shale-siltstone division" m

Kq "white and coaly quartzite" m & ?nm

Kbs "bluish grey shale" m

Klss "lower sandstone division" m & nm

KJh Husky Formation m; shale

Jpo unnamed sandstone m

KJk Kingak Formation m; shale

Jbc Bug Creek Formation m & nm; sandstone

disconformity

TRs Shublik Formation m (includes Ladinian beds in Taiga-Nahoni Fold Belt); limestone and shale

disconformity

Pt Tahkandit Formation m;limestone and chert (includes unnamed clastics southeast of Hungry Lake)

Pjc Jungle Creek Formation undivided — Permian and Carboniferous undivided

Pjc3 Jungle Creek Formation m; sandstone

Pjc2 Jungle Creek Formation m; shale

Pjc1 Jungle Creek Formation m; carbonates and clastics

disconformity

Cel Ettrain Formation m; Ce2 shale and limestone — Ettrain Formation m; limestone and shale

Pel "unit 2" m; carbonates and clastics

Chr2 Hart River Formation m; siltstone
Chr Hart River Formation undivided
Chr1 Hart River Formation m; shale and limestone

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Cl Lisburne Group undivided

Ml "unit 1" m; shale Cky Kayak Formation nm & m; (Old Crow Depression)

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disconformity?

Di undivided Upper Devonian clastics

Dcl unnamed shale m
Dcgl unnamed conglomerate m

Di2 unnamed Upper Devonian sandstone m?

Di1 unnamed Upper Devonian shale m?

Dca Canol Formation m; black siliceous shale

disconformity

Do Ogilvie Formation m;limestone

Dk Cranswick Formation m; limestone

Dml Michelle Formation m; limestone and shale

Gdc Old Crow Granite = Gsh Schaefer Granite = Gdm Ackerman Granite

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Gr Sedgwick Granite = Fitton Granite

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€?Db unnamed carbonates m

disconformity?

€ta unnamed Upper Cambrian clastics m

disconformity

€wr Middle Cambrian undivided

€wr3 unnamed Middle Cambrian carbonates and clastics m

€wr2 unnamed Middle Cambrian conglomerates m

€wr1 unnamed Middle Cambrian carbonates and clastics m

€jr Jones Ridge limestone m

angular unconformity

Pt Tindir Group; undivided clastics and carbonates (base not seen)

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H1b unnamed orange dolomite

H1a unnamed orange and grey dolomite

angular unconformity?

H0 unnamed phyllitic argillites and quartzites (base not seen)

Eagle Fold Belt
Richardson Anticlinorium
Bonnet Plume Basin

Kbp2 Bonnet Plume Formation nm; sandstone, shale and coal — Kbp1 Bonnet Plume Formation nm; conglomerate and sandstone

Kcc unnamed clastics undivided

Kcc2 unnamed sandstone and shale m

Kcc1 unnamed sandstone and shale m

Kb unnamed shale m

disconformity?

Kfb unnamed sandstone m

Kwr unnamed shale m
Ksm Sharp Mountain conglomerate

disconformity

Kuss "upper sandstone division" m

Kush "upper shale-siltstone division" m

disconformity

Klss "lower sandstone division" m & nm

KJh Husky Formation m;
(KJnb North Branch Formation m; sandstone)

Jbc Bug Creek Formation m & nm; sandstone

disconformity

TRls unnamed Triassic clastics and carbonates m

disconformity

Pjc Jungle Creek Formation undivided

disconformity

Cel Ettrain Formation m; Ce2 shale and limestone — Ettrain Formation m; limestone and shale

Pel "unit 2" m; carbonates and clastics

Chr2 Hart River Formation m; siltstone
Chr Hart River Formation undivided
Chr1 Hart River Formation m; shale and limestone

Ml unnamed shale m
Mcgl unnamed conglomerate nm

disconformity?

Di undivided Upper Devonian clastics

Dcl unnamed shale m
Dcgl unnamed conglomerate m

Di2 unnamed Upper Devonian sandstone m?

Di1 unnamed Upper Devonian shale m?

Dca Canol Formation m; black siliceous shale

disconformity

Do Ogilvie Formation m; limestone

SDg Gossage Formation m; limestone and dolomite — €?Db unnamed carbonates m

€?Sv Vunta Formation m; limestone

disconformity?

€wr Middle Cambrian undivided

€1 unnamed Lower Cambrian carbonates and clastics m

€1a bioherms

H4 unnamed carbonates and clastics in Knorr Range

H3 unnamed clastics and carbonates in Knorr Range

disconformity

Hr Rapitan Group undivided

disconformity

H2 unnamed carbonates, shale and gypsum undivided

Hk Katherine Formation; sandstone and dolomite

Hz Tsezotene Formation; sandstone and dolomite (base not seen)

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H0 unnamed phyllitic argillites and quartzites (base not seen)

Aklavik Arch

Kuss "upper sandstone division" m

Kush "upper shale-siltstone division" m

Kq "white and coaly quartzite" m & ?nm

Kbs "bluish grey shale" m

Klss "lower sandstone division" m & nm

KJh Husky Formation m; shale — Ju Jurassic clastics undivided

Jpo unnamed sandstone m

KJk Kingak Formation m; shale

Jbc Bug Creek Formation m & nm; sandstone

disconformity

P Permian rocks undivided

P3 unnamed Permian clastics m
P2 unnamed Permian limestone m

P1 unnamed Permian clastics m

disconformity

Cl Lisburne Group undivided

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Di undivided Upper Devonian clastics

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Do Ogilvie Formation m; limestone

SDg Gossage Formation m; limestone and dolomite — €?Db unnamed carbonates m

€?Sv Vunta Formation m; limestone

disconformity?

€1 unnamed Lower Cambrian carbonates and clastics m

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P unnamed carbonates and clastics at Rat Pass ? = unnamed carbonates and clastics in Campbell Uplift

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Peel Platform
Mackenzie Fold Belt

Tr Reindeer Formation m; shale

disconformity

Kbc Boundary Creek Formation m; shale

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Ktr Trevor Formation m; sandstone

Kar Arctic Red Formation m = Kdb Darnley Group (in part); shale and siltstone

Kuss "upper sandstone division" m

Kush "upper shale-siltstone division" m

disconformity

M1 "unit 1" m; shale
Mo unnamed clastics and coal

Dus unnamed shale m?

Di2 unnamed Upper Devonian sandstone m?

Di1 unnamed Upper Devonian shale m?

Dca Canol Formation m; black siliceous shale

Dh Hume Formation m; limestone

Dsh unnamed shale m

Do Ogilvie Formation m; limestone

Dk Cranswick Formation m; limestone

Da Arnica Formation m; dolomite

SDd orange and grey dolomite m

OSk Mount Kindle Formation m; dolomite

€Df Franklin Mountain Formation m; dolomite and shale

disconformity

€sk Sekwi Formation m; carbonates and clastics (includes Backbone Formation in 106 F)

Hs Sheepbed Formation; shale

Wk Keele Formation; carbonates and clastics

disconformity

Hr Rapitan Group undivided

Hr2 Rapitan Group; mudstone and limestone

Hr1 Rapitan Group; diamictite and iron formation

Hr0 unnamed dolomite and quartzite

angular unconformity

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H2b unnamed dolomite, shale and gypsum — H2 undivided

H2a unnamed dolomite and limestone

Hk Katherine Formation; sandstone and dolomite

Hz Tsezotene Formation; sandstone and dolomite (base not seen)

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H1 unnamed orange dolomites

unconformity?

H0 unnamed phyllitic argillites and quartzites (base not seen)

D.K. Norris, May 15, 1975

LEGEND SHEET 4 OF 4