1 MACROFAUNA NOTES 1

Mc DERMOTT ET AL HAY RIVER #1 1-41

61° 00' 39" N., 115° 37' 58" W.

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MACROFAUNA NOTES BY RAASCH AND ASSOCIATES (GEOLOGICAL CONSULTANTS) LTD
GRAPHIC REPRESENTATION BY L.E. WORKMAN P.GEOL

1 AGE | 2 GROUP / FORMATION / MEMBER | 3 DEPTH OR FOOTAGE | 4 SHOWS | 5 TYPE POROSITY | 6 PERCENTAGE POROSITY | 7 LITHOLOGY | 8 GRAIN OR CRYSTAL SIZE | 9 ROUNDING, SORTING | 10 DIAGENESIS | 11 FRAMEWORK (GREATER THAN SILT SIZE) | 12 MATRIX (LIME OOZE, DOLOMITE OOZE, CLAY MINERALS, SILT) | 13 CEMENT (CALCITE, ANHYDRITE, SILICA, MISCELLANEOUS) | 14 ROCK BUILDERS (SAND, STROMATOPOROIDS, AMPHIPORA, CRINOIDS, CORALS, BRACHIOPODS, GASTROPODS — OSTRACODS, BIOCLASTIC, OOLITES, PELLETS, ALGAE) | 15 DESCRIPTION | 16 CORES | 17 TESTS | 18 CASING

EARLY FRASNIAN — SLAVE POINT

Ls, lt brn, f xl, pel peb & fos, arg lam, Brac Gast, Plectogyra 185.3, pos foram & casph
Mtx as ab, sm msv Strom, bdeye
Ls, dove gy-brn, f xl, f lam, some pel
Ls, lt brn, pel, spagh Amph, sm msv Strom sparse Cladopora
Ls, f xl, lt brn, suc,
Ls, gy-brn, crpxl, f lam, Brac
Ls, gy-brn, f xl, bioclas, Amph, Brac
Arg, lam, pel
Pebs in pel ls, Brac, Amph
Ost
Some layers aphan, some f xl suc
Ls, pale/m brn, aphan & f xl suc, lam, Amph, Brac, Ost, Ladjia, bioclas
Ls, gy-brn, aphan/crpxl, cloudy-mot, styl, Brac, Ladjia coll
Ls, dove brn, aphan bands, some Brac, Ladjia, thn-bdd wi styl ptg, bioclas, some suc f xl ls
Leiopteria
Increase in bioclas, mot, small msv Strom, Amph
Cgl of s-rd aphan gy ls in gy aphan mtx
Cal-aren of bioclas peb & Strom, Ladjia, Stach, Amph
Ls, dove, aphan, f lam, some bioclas bands wi small peb & some Ladjia
Ost
High energy ls, mxt cal-aren, pel, cgl, brn ls
Ls, dove brn, aphan, blk spec, thn bdd
Lt/dk brn, alternate lam
Ls, gy-brn, aphan, bioclas & cgl frag, Ost
Few vermicel Amph, Ladjia
Ls, gy-wh, chk, to lt gy, casph, thn bdd
Ls, dove brn, aphan, bioclas; sh, blk, bit
Ls, dove brn/wh, aphan, vary bioclas
Zones wavy dk bands chk pel
High bioclas content, Ladjia, Ost
Ls, dk brn, aphan, bioclas, horiz boring, lt brn beds
Ls, dk brn, calc-aren
Ls, wh/gy, pel, pt lam, few bdeye
Ls, brn, crpxl, msv, btl, blk arg films
Ls, gy, earthy, bioclas/pel, boring, Ost, Amph
Ls, lt gy, f cal-aren, msv Strom
Ls, dull brn, aphan, lam, arg
Ls, aphan, brn, gy, Strom, Stach, Amph, pel
Vary bioclas content
Tr Cor
Ls, dk brn, mot, Strom, Amph, tr pel, pt arg
Ls, brn, f/micxl, arg zones, Amph com, Strom Brac, Ost
Also pel ls wi blk arg films
Ls, lt gy, crpxl, bioclas, Atrypa, worm; cgl
Ls, mrlst, gy, aphan, band lter & dker
Few str Crin ossicles
Tr Amph
Ls, crpxl, sl bioclas, rare Brac, Ost, & Gast, arg, borings
Ls, dove gy, crpxl to aphan, intbd mrlst, brn, sl bioclas, cosph com, few Crin
Tr Brac, Amph
Mrlst, banded & nod, few borings
Mnut branch Bry
Incr arg

EARLY FRASNIAN — FORT VERM.

Scat gyp nod up to 1.5"
Some micro-borings
Incr portion ls/mrlst
Mnut Crin oss rare, few Brac
Sim, grdg/ more highly calc, nod-mot, fos, small Brac, Cymostrophia?, Crin

EARLY FRASNIAN — BEAVERTAIL

Some banded, other nod-mot, fos, wi Emanuella most abnt
Vague banding, more arg, bioclas
Mrlst, dk/m brn-gy, vague lam, Emanuella com
Mrlst & ls, pt re-xl to m xl, por, small Brac, Ost, sil (?)
Mrlst, dk, incipient lam
Mrlst, pt shy, few lrg filled borings
Filled borings com
Mrlst & mrly sh
Mrlst, dk gy
Sh, mrly, to mrlst, gy
Ls, dk gy, dull, micxl, slty (?), Emanuella com

WATT MT.

Ss, brn, f, ang, high calc
Mrlst, dk brn-gy; ls, dk brn, aphan, bioclas
Mudst & mrlst
Ls, v Crin, pel, ool (?), pep & salt

GIVETIAN — HARE INDIAN

Ls, gy, crpxl, Emanuella; sh, brn, fos
Mrlst & mrly sh, dk brn-gy, Leiorhynchus
Sh, mrly to mrlst, Styliolina, Leiorhynchus
Sh, dk gy, num Emanuella & Leiorhynchus
Sh, dk gy, few Brac
Sh, dk gy, few mrlst bands, Lingula, Leiorhynchus
Sh, dk gy, fis, Pterochaenia?
Sh, dk gy, mrly below
Num Brac & Ost, Leiorhynchus
Sh, dk m gy, Lingula com
Styliolina, Ost
Few Chonetes, Leiorhynchus
Sh, dk gy to blk, bit, hd, lam, Tent, Stylio, Ost, Plcy, Leiorhynchus
Some cross-lam; carbonate xl in band & lens, barite (?), "oil-rock" odor
Less banded, more indurated, few bands mrls, gy, crpxl
Styliolina
Higher calc content, mrls concr, dip to 5°, Stylio mats
Stylio sparse, calc-lined vug wi tar
Sim, but intbd ls, dk gy, micxl, msv, Leiorhynchus in low 1 ft

GIVETIAN — HUME

Ls, blk, aphan, spec, f/c, lt gy, bioclas, abnt L. Castanea, Warrenella kirki also found
Ls, nod-mot, lt/dk gy, aphan, but filled wi bioclast, abnt Productella, E. merlstoides, small Plyc, lrg Crin oss
Similar ls, base pebs; ls, dolc; dol, gy m xl, msv, few Crin oss

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