MACROFAUNA NOTES

7b

IMPERIAL SUN ARROWHEAD No. I - 46

60° 45' N., 122° 22.5'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 (24 18 12 6 0)	7 LITHOLOGY	8 GRAIN OR CRYSTAL SIZE (SILT VFG FG MG CG VCG)	9 DIAGENESIS	10 ROUNDING / SORTING	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, ANTHOZOA, CORALS, BRACHIOPODS, GASTROPODS — OSTRACODS, BIOCLASTIC, OOLITES, PELLETS, ALGAE)	15 DESCRIPTION	16 CORES	17 TESTS	18 CASING

MIDDLE FRASNIAN

CANOL (MUSKWA)

6100

Sh, blk, hd, non-calc, f dism pyr, Spic, Conodont frag

20

Basal contact sharp wi 4" relief

40

Ls, dk brn-gy, crpxl, nod-mot, cabbage Strom @ bottom

Ls, lt/m gy, micxl, wi bioclas fraction, tab Strom dominant

Dom frame-sited Stach wi rare msv Strom

60

Alternating succession tab & branch Strom zones, tab show deposition orientation up to 30°

Few Gast

80

Strom less abnt, zones Stach & occas cabbage Strom, Stach decreasing downward, tab zones persist

Amph com

Stach dom

Cabbage Strom & Stach

6200

Broken Stach & amoeboid msv growth dom

Strom less com and almost wholly cabbage types

20

Ls, dull lt gy, bioclastic, f, msv, frag msv Strom & Stach, lrg low-spire Gast @ 6214

Ls, lt/m gy, mxd f & m xtln & bioclas, Strom, Amph

40

Ls, lt gy, f xl, dull & suc, vague stratification

Ls, gy, bioclas, Crin, crpxl, msv

Ls, blk-brn, lith, bdeye, pel near base

Ls, 4 to 15-inch alternation of 1) gy, micxl, Amph, some Stach, few msv Strom; and 2) m gy/dk brn-gy, aphan, some bdeye

60

SLAVE POINT

80

Strom is like Strom bands ab; chiefly an alternation of macar-st & relatively barren

6300

Cabbage Strom

Stach colonies in-situ
Cabbage Strom

20

Lrg Gast

Ls, m to pale gy downward, micxl/crpxl, Strom in-situ colonies branch Strom, up 5' marly/spagh stone below, mnut Gast com

Dominant in-situ colonies St ach, tab Strom increase downward to dominance

40

EARLY FRASNIAN

60

80

Tab Strom appear & incr downward

6400

Ls, blk, mrly, full of branch Strom, Cor, Crin wi stellate axial canal

20

0

Ls, dk gy, spagh-st, Stach, tab Strom, virtually no mtx

Stach & tab Strom dom

60

Sim but lter, incr mtx, pale gy, dull, mxd micxl & bioclas, horizontal above & 10°-45° inclination below, tab bands, Stach, Amph, Cladopora

Ls, lt/m gy to dk brn-gy, f xl, tab Strom, Stach, Amph,

80

Tab Strom alternate wi bands Stach in original growth position

BEAVERTAIL

6500

Sh, gy-blk, calc, fis, bands dk mxd bioclas & aphan ls, wi minut Crin; Amph frag & rare trepitostome Bry; banks mrly ls wi fos; sharp lith break @ top

Ls, dk, crpxl/micxl, hi/m fraction of bioclas lime-sd, cgl in places, Strom, Alg, Cor, Brach

20

Ls, dk gy, aphan groundmass wi hi bioclas frac, bds 1-inch/1-ft, thk between sh ptgs, fos com, espec Brac

Cladopora
Caeph

40

Ls, blk, crpxl, varved bioclas, nod-mot struct in certain zones, Favosites, sponges

60

de Chinellid trilobites

de Chinellid trilobites

Sponges.

80

de Chinellid trilobites

EARLY GIVETIAN

HUME

"Intra-form cgl"

6600

Ls, dove, lith, bands small Amph

20

TOPS

SLAVE POINT	6137
KEE SCARP	6284
BEAVERTAIL	6413
HUME	6551

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