

Report on thirty-seven lots of fossils from five wells in northern Yukon Territory and adjacent Mackenzie (NTS 95I, 106M, 116H, I, J).

The relevant parts of any manuscript prepared for publication that paraphrase or quote from this report should be referred to the Western Paleontology Section, Calgary, for possible revision.

IOE Stony I-50

67°29'44"N., 135°22'46"W

Depth 7,417 ft., core GSC loc. C-1452	large ostracodes to Copeland for study
Depth 7,420 ft., core GSC loc. C-1453	? <u>Favosites</u> sp. age: Late Ordovician to Middle Devonian
Depth 7,422 ft., core GSC loc. C-1454	fossil fragments not diagnostic
Depth 7,431 ft., core GSC loc. C-1455	fossil fragments not diagnostic
Depth 7,436 ft., core GSC loc. C-1456	fossil fragments not diagnostic
Depth 7,585-7,595 ft., core GSC loc. C-1457	bone fragments not diagnostic
Depth 8,941 ft., core GSC loc. C-1458	undetermined gastropod not diagnostic
Depth 8,944 ft., core GSC loc. C-1459	indeterminate solitary coral ? <u>Harpidium</u> sp. age: Silurian, possibly Late Silurian
Depth 8,945 ft., core GSC loc. C-1460	echinoderm debris indeterminate coral ? <u>Harpidium</u> sp. age: Silurian, possibly Late Silurian
Depth 8,946 ft., core GSC loc. C-1461	? <u>Harpidium</u> sp. age: Silurian, possibly Late Silurian
Depth 8,947-8,948 ft., core GSC loc. C-1462	pentamerid brachiopod age: Late Ordovician to Devonian

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Depth 8,948-8,952 ft. , core Catenipora sp.  
 GSC loc. C-1463 Favosites 2 spp.  
 age: Late Ordovician to Late Silurian

Depth 8,953 ft. , core indeterminate ostracode  
 GSC loc. C-1464 not diagnostic

Depth 8,954 ft. , core indeterminate ostracode  
 GSC loc. C-1465 not diagnostic

Depth 8,962 ft. , core ?Harpidium sp.  
 GSC loc. C-1466 age: Silurian, possibly Late Silurian

Comments: C-1459-C-1462, C-1466 have been sent to A. J. Boucot for further study; C-1452, C-1464-C-1465 have been sent to M. J. Copeland for further study.

Socony Mobil-Western Minerals Cath YT. B-62

66°11'13.5"N., 138°41'53"W

Depth 6,032 1/2 ft. , core echinoderm debris  
 GSC loc. C-9989 solitary coral  
Favosites 2 spp.  
Heliolites sp.  
 age: Silurian to Middle Devonian

Depth 6,039 ft. , core echinoderm debris  
 GSC loc. C-9990 Favosites sp.  
 age: Late Ordovician to Middle Devonian

Depth 6,040 ft. , core Cyrtograptus cf. C. lundgreni Tullberg  
 GSC loc. C-9991 Monograptus aff. M. flemingi (Salter)  
 age: Silurian, Wenlock

Socony Mobil-Western Minerals (S. Tuttle YT. N-5)

66°24'51.2"N., 136°46'22.7"W

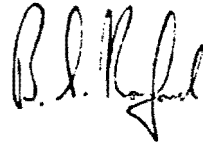
Depth 8,339 ft. , core indeterminate ostracodes  
 GSC loc. C-10010 not diagnostic

Depth 8,340 ft. , core ?Atrypella sp.  
 GSC loc. C-10011 age: probably Silurian, probably Ludlow

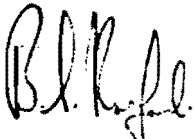
Depth 8,897 1/2 ft. , core Encrinurus cf. E. princeps Poulsen  
 GSC loc. C-10012 age: Silurian, probably Late Llandovery

- Depth 8,898 ft., core  
GSC loc. C-10013  
indeterminate straight cephalopod  
indeterminate gastropods  
?Alispira sp.  
?Pentameroides sp.  
age: Silurian, probably Late Llandovery or Wenlock
- Depth 9,523 ft., core  
GSC loc. C-10014  
echinoderm debris  
Bighornia sp.  
Catenipora sp.  
age: Late Ordovician
- Depth 9,530 1/2 ft., core  
GSC loc. C-10015  
Palaeofavosites sp.  
Palaeophyllum sp.  
age: Late Ordovician
- IOE Triad Ebbutt J-70  
62°19'31"N., 121°57'03"W
- Depth 2,616 ft., core  
GSC loc. C-10016  
Palaeofavosites sp.  
age: Late Ordovician to Late Silurian
- Depth 2,625 ft., core  
GSC loc. C-10016a  
?Favistina sp.  
?Lobocorallium sp.  
Palaeofavosites 2 spp.  
age: Late Ordovician
- SOBC Blackstone YT. D-77  
65°46'10.77"N., 137°14'54.78"W
- Depth 8,180 ft., core  
GSC loc. C-2929  
conulariid (?)  
not diagnostic
- Depth 9,305 ft., core  
GSC loc. C-2930  
Bighornia sp.  
age: Late Ordovician
- Depth 9,310 1/2 ft., core  
GSC loc. C-2931  
Megamyonia sp.  
indeterminate brachiopods  
age: Late Ordovician
- Depth 9,313-9,314 ft., core  
GSC loc. C-2932  
echinoderm debris  
indeterminate solitary coral  
not diagnostic
- Depth 9,323 ft., core  
GSC loc. C-2933  
indeterminate brachiopod  
not diagnostic

Depth 9,323 1/2 ft., core GSC loc. C-2934	<u>Palaeophyllum</u> sp. (small halysitid corallites) age: probable Late Ordovician
Depth 9,324 1/2 ft., core GSC loc. C-2935	undetermined stromatoporoid <u>Palaeophyllum</u> sp. (large halysitid corallites) age: probably Late Ordovician
Depth 9,327 1/2 ft., core GSC loc. C-2936	undetermined stromatoporoid not studied
Depth 9,329 1/2 ft., core GSC loc. C-2937	indeterminate fossil not diagnostic
Depth 9,330 ft., core GSC loc. C-2938	<u>Catenipora</u> sp. age: Middle Ordovician to Late Silurian
Depth 9,335 1/2 ft., core GSC loc. C-2939	echinoderm debris undetermined stromatoporoid <u>Bighornia</u> sp. age: Late Ordovician



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