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BULLETIN 303

**THE HOLOCENE MARINE ENVIRONMENT
OF THE BEAUFORT SEA**

by

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APPENDICES 3-5

APPENDIX 3Species Reference List and Species OccurrencesMOLLUSCAGastropoda

Alvania cruenta Odhner - Macpherson, 1971, Nat. Mus. Can., Publ. Biol.,
3, p. 37, pl. II, fig. 10

= *A. cruenta* Odhner, 1915, Kongl. Svenska Vetensk.-Akad. Handl.,
54 (1), p. 167, pl. 1, fig. 1-6

Occurrence: Localities 164; 184; 190; 193.

Alvania janmayeni (Friele) - Macpherson, 1971, Nat. Mus. Can., Publ.
Biol., 3, p. 38, pl. II, fig. 11

= *Rissoa Jan Mayeni* Friele, 1878, Nyt. Mag. f. Naturvid.,
24 (3), p. 224, pl. 1, fig. 4a, b

Occurrence: Localities 24; 300; 463.

Amauropsis purpurea Dall - Macpherson, 1971, Nat. Mus. Can., Publ. Biol.,
3, p. 55, pl. III, fig. 10

= *A. purpurea* Dall, 1871, Amer. J. Conch., 7, p. 124, pl. 15,
fig. 16

Occurrence: Localities 145; 155.

Boreotrophon olathratus (Linné) - Macpherson, 1971, Nat. Mus. Can., Publ.
Biol., 3, p. 60, pl. III, fig. 15

= *Murex olathratus* Linné, 1767, Syst. Nat., ed. 12, p. 1223

Occurrence: Locality 35.

Boreotrophon olathratus gunneri (Lovén) - Gaevsky, 1948, Encycl., fauna and flora of the northern sea regions of the U.S.S.R., p. 380, pl. XCVII, fig. 14 (as *Trophonopsis* [*Boreotrophon*] *olathratus gunneri*)

= *Trophon gunneri* Lovén, 1846, Öfversigt Kongl. Vet.-Akad. Förh., 3, p. 144

Occurrence: Core 820 (400-406 cm)

Boreotrophon sp.

Boreotrophon P. Fischer, 1884

Occurrence: Localities 49; 120.

Buccinum sp.

Buccinum Linné, 1767

Occurrence: Locality 653

Core 816 (259 cm);
820 (400-406 cm).

Cingula castanea (Möller) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 35, pl. II, fig. 8

= *Rissoa castanea* Möller, 1842, Naturhist. Tidsskrift., 4 (1), p. 83

Occurrence: Localities 219; 522.

Cingula castanea alaskana (Dall) - MacGinitie, 1959, Proc. U. S. Nat. Mus., 109, p. 84, pl. 17, fig. 8, 9

= *Alvania castanea* var. *alaskana* Dall, 1886, Proc. U.S. Nat. Mus., 9, p. 307, pl. 4, fig. 9

Occurrence: Locality 31.

Colus togatus (Mörch) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 76, pl. V, fig. 2

= *Fusus ebur* var. *togata* Mörch, 1869, in Petit de la Saussaye, p. 275

Occurrence: Locality 411.

Cylichna occulta (Mighels) - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109, p. 140, pl. 4, fig. 3

= *Bulla occulta* Mighels, 1841, Proc. Boston Soc. Nat. Hist., 1, p. 50

Occurrence: Localities 24;25;32;36;37;43;59;60;61;77;84;92;95;113;114;116; 117;119;123;134;135;136;137;139;146;153;156;162;187; 201;210;211;215;235;239;240;241;260;283;290;299; 323;324;327;328;329;332;338;339;340;343;344;348;349; 350;352;362;365;368;388;392;393;395;397;416;422;437; 441;446;460;463;469;480;485;527;529;530;533;537;538; 539;546;548;572;573;576;600;607;635.

Core 816 (125-130 cm; 275-280 cm).

Lepeta caeca (Müller) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 15, pl. I, fig. 7

= *Patella caeca* Müller, 1776, Zoologicae Danicae prodromus, p. 237

Occurrence: Localities 29; 35; 565.

Lunatia pallida (Broderip and Sowerby) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 58, pl. III, fig. 8

= *Natica pallida* Broderip and Sowerby, 1829, Zool. J., 4 (15), p. 372

Occurrence: Localities 76; 93, 112; 211; 578.

Margarites costalis (Gould) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol.,
3, p. 16, pl. I, fig. 9

= *Trochus costalis* Gould (*ex* Lovén MS), 1841, Rept. Invert. Mass.,
p. 252

Occurrence: Locality 193.

Margarites olivaceus (Brown) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol.,
3, p. 21, pl. I, fig. 12, 13

= *Turbo olivaceus* Brown, 1827, Ill. Recent Conch. Great Britain
and Ireland, 1st ed., pl. 46, fig. 30, 31

Occurrence: Locality 571.

Moelleria sp.

Moelleria Jeffreys, 1865

Occurrence: Core 820 (400-406 cm).

Neptunea heros (Gray) - Macpherson, Nat. Mus. Can., Publ. Biol., 3, p. 82,
pl. V, fig. 10

= *Chrysodomus heros* Gray, 1850, Proc. Zool. Soc. London, 18, p. 15,
pl. 7

Occurrence: Localities 565; 633.

Neptunea ventricosa (Gmelin) - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109,
p. 121, pl. 14, fig. 1-6

= *Buccinum ventricosum* Gmelin, 1790, *in* Linné, Syst. Nat., ed. 13
[revised and augmented by Gmelin], p. 3498

Occurrence: Locality 94.

Neptunea sp.*Neptunea* (Bolten) Rüdiger, 1798

Occurrence: Locality 84

Core 820 (400-406 cm).

Odostomia cassandra Dall and Bartsch - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109, p. 141, pl. 8, fig. 5, 6= *O. cassandra* Dall and Bartsch, 1913, Victoria Mem. Mus. Bull. no. 1, p. 142, pl. 10, fig. 2

Occurrence: Locality 92.

Oenopota arctica (A. Adams) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 111, pl. VII, fig. 2a, b= *Bala arctica* A. Adams, 1855, Proc. Zool. Soc. London, 23, p. 121

Occurrence: Locality 352.

Oenopota cinerea (Müller) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 114, pl. VII, fig. 5= *Defrancia cinerea* Müller, 1842, Naturhist. Tidskrift., 4 (1), p. 13

Occurrence: Locality 546.

Oenopota declivis (Lovén) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 115, pl. VII, fig. 10= *Tritonium declivis* Lovén, 1846, Ofv. Kongl. Svenska Vetensk - Akad. Förhandl., 3 (5), p. 13

Occurrence: Locality 264.

Oenopota decussata (Couthouy) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 115, Pl. VII, fig. 9

= *Pleurotoma decussata* Couthouy, 1838, Boston J. Nat. Hist., 2 (1), p. 183, pl. 4, fig. 8

Occurrence: Locality 32.

Oenopota novajasemliensis (Leche) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 119, pl. VII, fig. 14

= *Pleurotoma novaja-semliensis* Leche, 1878, Kongl. Svenska Vetensk.-Akad. Handl., 16 (2), p. 53, pl. 1, fig. 15

Occurrence: Localities 184; 430; 435.

Core 838 (133-138 cm).

Oenopota reticulata (Brown) - Macpherson, 1971, Nat. Mus. Can., Biol. Publ., 3, p. 121, pl. VII, fig. 13

= *Pleurotoma reticulata* Brown, 1827, Ill. Recent Conch. Great Britain and Ireland, 1st ed., pl. 48, fig. 29, 30

Occurrence: Core 850 (20-25 cm).

Oenopota turricula (Montagu) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol. 3, p. 123, pl. VII, fig. 11

= *Murex turricula* Montagu, 1803, Testacea Britannica, ed. 1, 2, pl. 9, fig. 1

Occurrence: Localities 370; 568.

Oenopota sp.

Oenopota Mörch, 1852

Occurrence: Localities 25; 96; 120; 347; 397; 651.

Philina lima Brown - Morris, 1973, Field Guide to Shells, p. 271, pl. 73,
fig. 19

= *P. lima* Brown, 1844, Ill. Recent Conch. Great Britain,
ed. 2, p. 58

Occurrence: Locality 289.

Philina quadrata Wood - Morris, 1973, Field Guide to Shells, p. 271,
pl. 73, fig. 18

= *P. quadrata* Wood, 1839, Charlesworth's Mag. Nat. Hist., 3,
p. 461

Occurrence: Locality 173.

Plicifusus sp.

Plicifusus Dall, 1902

Occurrence: Locality 38.

Ratusa umbilicata (Montagu) - MacGinitie, 1959, Proc. U.S. Nat. Mus.,
109, p. 138, pl. 4, fig. 6

= *Bulla umbilicata* Montagu, 1803, Test. Britannica, ed. 1, 1,
p. 222

Occurrence: Localities 9;11;25;35;43;53;61;84;119;192;205;256;301;

332; 364; 568; 571; 572; 573; 577;

Cores 807 (949-951 cm);

826 (250-255 cm);

852 (230-235 cm).

Solarisella obscura (Couthouy) - Macpherson, 1971, Nat. Mus. Can., Publ.
Biol., 3, p. 25, pl. I, fig. 17

= *Turbo obscurus* Couthouy, 1838, Boston J. Nat. Hist., 2 (1),
p. 100, pl. 3, fig. 12

Occurrence: Localities 576; 614.

Core 845 (10-30 cm).

Tachyrhynchus erosus (Couthouy) - Macpherson, 1971, Nat. Mus. Can., Publ. Biol., 3, p. 38, pl. I, fig. 20

= *Turritella arosa* Couthouy, 1838, Boston J. Nat. Hist., 2 (1), p. 103, pl. 3, fig. 1

Occurrence: Localities 4; 67; 84; 92; 160; 353; 387; 564.

Core 820 (400-406 cm).

Trichotropis sp.

Trichotropis Broderip and Sowerby, 1829

Occurrence: Locality 92.

Cores 845 (10-30 cm);

852 (230-235 cm).

Turritellopsis acioula (Stimpson) - Richards, 1962, Trans. Amer. Philos. Soc., n.s., 52 (3), p. 77, pl. 15, fig. 34 (as *Turritella* (*Turritellopsis*) *acioula*)

= *Turritella acioula* Stimpson, 1851, Shells of New England, p. 35, pl. 1, fig. 5

Occurrence: Locality 387.

Volutopsius sp.

Volutopsius Mörch, 1857

Occurrence: Locality 76.

Pelecypoda

Arotinula groenlandica (Sowerby) - MacNeil, 1967, U.S. Geol. Surv., Prof. Paper 553, p. 8, pl. 4, fig. 6

= *Pecten greenlandicus* Sowerby, 1842, Thesaurus Conchyliorum, 1, p. 57, pl. 13, fig. 40

Occurrence: Localities 2;5;11;13;17;21;23;24;25;26;30;31;34;35;54;80;
 91;93;94;96;157;159;166;176;179;184;186;191;192;
 195;204;205;217;219;221;222;223;239;242;248;250;
 266;272;279;280;287;289;296;300;301;302;398;410;
 413;474;512;567;572;573;586;600;611;612;618;625;
 652;655.

Cores 817 (175-180 cm);
 820 (400-406 cm; 4250430 cm);
 822 (5-10 cm);
 823 (75-80 cm);
 826 (200-205 cm);
 827 (225-230 cm; 275-280 cm; 300-305 cm);
 834 (300-305 cm; 425-430 cm; 575-580 cm);
 835 (44 cm; 49-51 cm; 299-301 cm);
 840 (0-5 cm; 225-230 cm; 245-250 cm; 260-265 cm);
 845 (10-30 cm);
 852 (29-31 cm; 230-235 cm).

Astarte borealis Schumacher - Morris, 1973, Field Guide to Shells, p. 40,
 pl. 20, fig. 6

= *A. borealis* Schumacher, 1817, Essai Nouv. Syst. Hab. Vers. Test.,
 p. 47, pl. 17, fig. 1

Occurrence: Localities 17;18;29;58;75;76;94;337;355;356;458;514;521;
 523;549;560;561;563;564;566;568;580;598;613.

Cores 816 (350-353 cm);
 838 (99-101 cm);
 845 (10-30 cm).

Astarte orenata (Gray) - Ockelmann, 1958, Medd. om Grønland, 122 (4), p. 89, pl. 1, fig. 20

= *Nicania orenata* Gray, 1824, Parry's first voyage, 1819-20, suppl. to appendix, p. 242

Occurrence: Localities 575; 579.

Astarte montagui (Dillwyn) forma typica - Gaevsky, 1948, Encycl., fauna and flora of the northern sea regions of the U.S.S.R., p. 435, pl. CX, fig. 5

= *Venus montagui* Dillwyn, 1817, Desc. Cat., Rec. Shells, pt. I, p. 167

Occurrence: Localities 60; 194; 199; 300; 378; 562.

Astarte montagui striata (Leach) - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109, p. 167, pl. 22, fig. 14-16

= *Nicania striata* Leach, 1819, Ross's voyage, Appendix 2, p. 62

Occurrence: Localities 1;24;25;76;94;159;199;249;255;331;344;352;368;
398;411;412;523;566;612;619;621.

Core 852 (29-31 cm).

Astarte montagui warhami Hancock - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109, p. 167, pl. 22, fig. 11-13

= *A. warhami* Hancock, 1846, Ann. Mag. Nat. Hist., ser. 1, 18, p. 336, pl. 5, fig. 15, 16

Occurrence: Localities 87; 352; 565.

Astarte montagui subspecies?

Occurrence: Locality 300.

Core 852 (100-110 cm; 230-235 cm).

Astarte sp.*Astarte* Sowerby, 1816

Occurrence: Localities 9;17;18;21;25;31;26;75;81;82;98;178;333;339;
413;493.

Cores 816 (125-130 cm);

828 (25-30 cm; 100-105 cm; 125-130 cm;

133-138 cm; 375-380 cm; 425-430 cm).

Axinopsida orbiculata (Sars) - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109,
p. 172, pl. 20, fig. 2

= *Axinopsis orbiculata* Sars, 1878, Mollusca regionis arcticae
Norvegiae, p. 63, pl. 19, fig. 11a-d

Occurrence: Localities 25;80;208;215;252;253;261;262;267;274;406.

Core 820 (400-406 cm).

Bathyarca frielei (Friele) - Clarke, 1963, Nat. Mus. Can., Bull. 185,
p. 101, pl. II, fig. 12, 14

= *Arca frielei* (Jeffreys MS) Friele, 1877, Nyt Magazin f. Naturvidensk.,
23, p. 2

Occurrence: Localities 4; 29; 47.

Bathyarca glacialis (Gray) - Ockelmann, 1958, Medd. om Grønland, 122 (4),
p. 44, pl. 1, fig. 18 (as *Arca glacialis*)

= *Arca glacialis* Gray, 1824, Parry's first voyage, 1819-20,
suppl. to appendix, p. 244

Occurrence: Localities 2;31;35;36;37;173;176;204;206;225;258;614.

Cores 816 (350-353 cm);

845 (10-30 cm).

Cerastoderma echinatum (Linné) - Gaevsky, 1958, Encycl., fauna and flora of the northern sea regions of the U.S.S.R., p. 433, pl. CIX, fig. 4 [as *Cardium*(*Cerastoderma*) *echinatum*]

= *Cardium echinatum* Linné, 1758, Syst. Nat., ed. 10, p. 1122

Occurrence: Localities 166; 478; 550.

Cerastoderma elegantulum (Beck) - Morris, 1973, Field Guide to Shells, p. 55, pl. 23, fig. 1

= *Cardium elegantulum* Beck in Müller, 1842, Index Moll. Grönl., p. 20

Occurrence: Localities 352; 445.

Clinocardium ciliatum (Fabricius) - Morris, 1973, Field Guide to Shells, p. 56, pl. 23, fig. 14

= *Cardium ciliatum* Fabricius, 1780, Fauna Grönl., p. 410

Occurrence: Localities 76;77;85;87;88;92;93;94;151;199;334;352;353;362;
366;395;451;458;463;527;546;549;563;564;577;635;
636; 643;649;650;652.

Cores 840 (245-250 cm);

852 (49-51 cm; 69-71 cm; 100-110 cm; 230-235 cm).

Cyrtodaria kurriana Dunker - Ockelmann, 1958, Medd. om Grönland, 122 (4), p. 142, pl. 2, fig. 14

= *C. kurriana* Dunker, 1862, Malakozool. Blätter, 8, p. 38

Occurrence: Localities 100;101;103;104;106;107;108;110;120;121;122;127;
128;129;130;131;132;141;143;144;235;306;325;569;576.

Hiattella arctica (Linné) - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109, p. 190, pl. 26, fig. 1-3

= *Mya arctica* Linné, 1767, Syst. Nat., ed. 12, p. 1113

Occurrence: Localities 75;94;206;219;354;560;561;562;563;564;565;566.

Lima hyperborea (Jensen) - Ockelmann, 1958, Medd. om Grønland, 122 (4), p. 72,
pl. 2, fig. 3

= *Limatula hyperborea* Jensen, 1905, Medd. om Grønland, 29, p. 329,
fig. 1a-d

Occurrence: Locality 274.

Liocyma fluctuosa (Gould) - Ockelmann, 1958, Medd. om Grønland, 122 (4),
p. 123, pl. 2, fig. 9

= *Venus fluctuosa* Gould, 1841, Rept. Invert. Mass., p. 87, fig. 70

Occurrence: Localities 75;76;82;90;94;126;145;152;155;249;255;256;257;330;
331;334;336;337;346;352;358;361;449;523;559;561;
563;564;567;568;576;598;599;652.

Cores 828 (75-80 cm);

841 (78-83 cm).

Lyonsia arenosa (Møller) - Morris, 1973, Field Guide to Shells, p. 97,
pl. 33, fig. 2

= *Pandorina arenosa* Møller, 1842, Index Moll. Groenl., p. 20

Occurrence: Localities 85;137;145;213;344;370;391;412;413;437;442;545;
548;572;576;578;652.

Lyonsia norvegica (Gmelin) - Jeffreys, 1865, British Conchology, vol. 3,
Marine Shells, p. 29, pl. 2, fig. 1

= *Mya norvegica* Gmelin, 1790 in Linné, Syst. Nat., ed. 13

[revised and augmented by Gmelin], p. 3222

Occurrence: Locality 116.

Lyonsia schimkewitschi Derjugin and Gurjanova - Gaevsky, 1958, Encycl., fauna and flora of the northern sea regions of the U.S.S.R., p. 444, pl. CXIII, fig. 3

Occurrence: Locality 202.

Lyonsiella sp.

Lyonsiella G. Sars, 1872 (ex M. Sars MS)

Occurrence: Locality 334.

Macoma balthica (Linné) - Wagner, 1970, Geol. Surv. Can., Bull. 181, p. 41, pl. IV, fig. 3a, b; 4 a,b

= *Tellina balthica* Linné, 1758, Syst. Nat., ed. 10, p. 677

Occurrence: Localities 143; 192.

Macoma calcarea (Gmelin) - Wagner, 1970, Geol. Surv. Can., Bull. 181, p. 42, pl. IV, fig. 5a, b

= *Tellina calcarea* Gmelin, 1792, Syst. Nat., ed. 13, 7, p. 3236

Occurrence: Localities 25;53;73;76;85;87;90;152;209;215;242;247;248;271;
346;348;351;352;354;364;365;368;370;377;378;382;
394;410;424;465;485;490;559;563;576;604;607;646;
652;656.

Macoma loveni (Steenstrup) Jensen - Ockelmann, 1958, Medd. om Grønland, 122 (4), p. 132, pl. 2, fig. 11

= *Tellina (Macoma) loveni* Steenstrup, in Jensen, 1904, Vidensk.

Medd. naturh. Foren., pl. 1, fig. 5a-b

Occurrence: Locality 9.

Macoma moesta (Deshayes) - Ockelmann, 1958, Medd. om Grønland, 122 (4),
p. 129, pl. 2, fig. 13

= *Tellina moesta* Deshayes, 1854, Proc. Zool. Soc. London, p. 361

Occurrence: Localities 77; 451; 470; 487; 539; 544; 549.

Macoma torelli (Steenstrup) Jensen - Ockelmann, 1958, Medd. om Grønland, 122
(4), p. 134, pl. 2, fig. 12

= *Tellina (Macoma) Torelli* Steenstrup, in Jensen, 1904, Vidensk.

Medd. naturh. Foren., pl. 1, fig. 3a-i

Occurrence: Localities 77;94;175;267;355;356;582;652.

Macoma sp.

Macoma Leach, 1819

Occurrence: Localities 67;68;89;93;358;363;381;383;474;485;527;569;
577;605;606.

Cores 827 (250-255 cm; 275-280 cm);

838 (180 cm).

Modiolus modiolus (Linné) - Moore (editor), 1969, Treatise on Invert.
Paleontology, pt. N, Mollusca 6, 1, p. 278, fig. C20, 13 a, b

= *Mytilus modiolus* Linné, 1758, Syst. Nat., ed. 10, p. 706

Occurrence: Locality 558.

Modiolus sp.

Modiolus Lamarck, 1799

Occurrence: Locality 98.

Montacuta planata (Dall) - MacGinitie, 1959, Proc. U.S. Nat. Mus., 109,
p. 174, pl. 20, fig. 1, 3-7, 9-11

= *Tellimya planata* Dall, 1885 in Krause, Arch. Naturg., 51 (1),

p. 34, pl. 3, fig. 6a-d

Occurrence: Locality 126.

Musculus corrugatus (Stimpson) - Richards, 1962, Trans. Amer. Philos. Soc., n.s., 53 (3), p. 57, pl. 5, fig. 5, 6

= *Mytilus corrugata* Stimpson, 1851, Shells of New England, p. 12

Occurrence: Localities 352; 358; 527.

Cores 835 (44 cm);

838 (299-301 cm; 499-501 cm).

Musculus discors laevigatus (Gray) - Gaevsky, 1948, Encycl., fauna and flora of the northern sea regions of the U.S.S.R., p. 429, pl. CVIII, fig. 7

= *Modiola laevigata* Gray, 1824, Parry's first voyage, 1819-20, suppl. to appendix, p. 245

Occurrence: Locality 563.

Musculus niger (Gray) - Morris, 1973, Field Guide to Shells, p. 20, pl. 13, fig. 2

= *Modiola nigra* Gray, 1824, Parry's first voyage, 1819-20, suppl. to appendix, p. 244

Occurrence: Localities 75;76;77;78;83;94;142;332;340;342;348;349;353; 360;363;375;380;382;524;527;564;569;573;597;635.

Mya arenaria Linné - Wagner, 1970, Geol. Surv. Can., Bull. 181, p. 42, pl. IV, fig. 7a-c

= *M. arenaria* Linné, 1758, Syst. Nat., ed. 10, p. 670

Occurrence: Core 841 (78-83 cm).

Mya pseudoarenaria Schlesch - Wagner, 1970, Geol. Surv. Can., Bull. 181, p. 43, pl. V, fig. 2a-c

= *M. pseudoarenaria* Schlesch, 1931, Arch. Molluskenk., 63, p. 136, pl. 13, fig. 10-13

Occurrences: Localities 338; 551; 633; 637.

Mya truncata Linné - Wagner, 1970, Geol. Surv. Can., Bull. 181, p. 43,
pl. IV, fig. 6a, b

= *M. truncata* Linné, 1758, Syst. Nat., ed. 10, p. 670

Occurrence: Localities 75;76;77;352;439;562;580;649;652.

Mya truncata uddevallensis Forbes - Wagner, 1970, Geol. Surv. Can.,
Bull. 181, p. 43, pl. V, fig. 1a, b

= *M. truncata* var. *uddevallensis* Forbes, 1846, Mem. Geol. Surv.

Great Britain and Mus. Econ. Geol., 1, p. 407

Occurrence: Localities 563; 564; 566.

Mya sp.

Mya Linne', 1758

Occurrence: Core 845 (10-30 cm).

Nucula tenuis (Montagu) - Wagner, 1970, Geol. Surv. Can., Bull. 181, p. 35,
pl. III, fig. 8a b

= *Arca tenuis* Montagu, 1808, Test. Britannica, Suppl., p. 56

pl. 29, fig. 1

Occurrence: Localities 25;37;47;50;59;73;85;88;91;162;186;198;222;241;
290;292;343;352;361;373;377;387;395;470;481;482;
547;548;558.

Core 820 (400-406 cm).

Nucula sp.

Nucula Lamarck, 1799

Occurrence: Localities 4;166;365;382;389;424;606.

Cores 820 (750-755 cm);

821 (50-55 cm);

823 (5-10 cm).

Nuculana minuta (Fabricius) - Morris, 1973, Field Guide to Shells, p. 5,
pl. 9, fig. 12

= *Arca minuta* Fabricius, 1780, Fauna Groenl., p. 414

Occurrence: Localities 94; 162; 190; 191; 193; 413; 656.

Core 820 (400-406 cm).

Nuculana pernula (Müller) - Morris, 1973, Field Guide to Shells, p. 5,
pl. 9, fig. 13

= *Arca pernula* Müller, 1779, Beschäft Naturf. Freunde zu Berlin,
4, p. 55

Occurrence: Localities 30;76;92;157;176;185;186;247;248;249.

Nuculana pernula costigera (Leche) - Gaevsky, 1948, Encycl., fauna and flora
of the northern sea regions of the U.S.S.R., p. 417, pl. CV, fig. 5 (as
Leda pernula costigera)

= *Leda pernula* var. *costigera* Leche, 1883, Vega-Exped. Vetensk.
Iakttagelser, 3, pl. 5, fig. 1a-d

Occurrence: Localities 80;81;94;362;516;561;563;567.

Nuculana sp.

Nuculana Link, 1807

Occurrence: Localities 5;22;36;71;73;88;391;426;616.

Pandora glacialis Leach - Richards, 1962, Trans. Amer. Philos. Soc., n.s.,
52 (3), p. 58, pl. 6, fig. 1,2

= *P. glacialis* Leach, 1819, in J. Ross, Voyage Discovery Baffin's
Bay, ed. 2, app. 4, p. 174

Occurrence: Localities 37;60;76;77;78;81;84;85;95;113;147;152;193;328;
332;334;352;366;391;427;440;487;652.

Pisidium idahoense Roper - Clarke, 1973, *Malacologia*, 13 (1-2), p. 166,
pl. 17, fig. 1

= *P. idahoense* Roper, 1890, *Nautilus*, 4 (8), p. 85 [freshwater
species]

Occurrence: Core 832 (175-180 cm).

Portlandia arctica aestuariorum Mossewitsch - Gaevsky, 1948, *Encycl.*, fauna
and flora of the northern sea regions of the U.S.S.R., p. 419, pl. CVI,
fig. 1

Occurrence: Localities 77;108;109;110;111;112;119;120;121;122;123;127;
128;129;130;131;132;133;139;140;145;155;268;302;
303;306;327;331.

Portlandia arctica arctica (Gray) - Gaevsky, 1948, *Encycl.*, fauna and flora
of the northern sea regions of the U.S.S.R., p. 419, pl. CV, fig. 9

= *Nucula arctica* Gray, 1824, *Parry's first voyage, 1819-20*,
suppl. to appendix, p. 241

Occurrence: Localities 30;42;50;52;157;159;161;163;164;165;166;175;178;
183;184;185;186;189;190;191;193;202;204;240;241;
245;246;247;269;270;280;283;284;285;286;287;288;
289;292;295;296;297;376;413;437;460;471;476;599.

Core 848 (235 cm).

Portlandia arctica siliqua (Reeve) - Gaevsky, 1948, *Encycl.* fauna and
flora of the northern sea regions of the U.S.S.R., p. 419. pl. CV, fig. 11

= *Nucula siliqua* Reeve, 1855, *Last of the Arctic Voyages*, 2, p. 396

Occurrence: Localities 24;25;31;32;35;37;38;39;43;44;57;59;60;61;62;77;85;
 95;96;113;114;115;116;117;118;124;125;126;134;135;136;
 137;138;142;146;147;148;152;153;154;168;169;181;182;
 187;188;195;199;200;201;202;207;208;211;212;213;214;
 216;232;233;235;236;238;239;290;291;298;300;301;323;
 324;326;327;328;332;338;339;340;341;344;350;351;352;
 362;365;367;368;370;371;375;378;389;391;394;396;397;
 398;426;427;428;429;430;433;435;436;440;441;442;467;
 468;469;470;471;474;485;486;487;488;522;524;526;529;
 530;532;533;536;538;539;545;546;553;554;568;570;572;
 573;574;576;577;578;579;580;587;590;591.

Cores 816 (0-5 cm; 100-105 cm; 150-155 cm);
 821 (25-30 cm; 125-130 cm);
 826 (450-455 cm; 475-480 cm);
 827 (225-230 cm);
 828 (425-430 cm);
 848 (275-280 cm);
 853 (5-10 cm).

Portlandia arctica subspecies?

Occurrence: Cores 816 (75-80 cm; 225-230 cm);
 817 (0-5 cm; 257-280 cm; 300-305 cm);
 822 (50-55 cm);
 823 (5-10 cm; 25-30 cm; 50-55 cm; 95-100 cm);
 827 (25-30 cm; 150-155 cm; 175-180 cm; 300-305 cm);
 829 (25-30 cm);
 853 (45-50 cm).

Portlandia sp.*Portlandia* Mörch, 1857

Occurrence: Localities 4;9;18;23;26;31;60;78;180;301;302;303;304;319;325;
327;333;537;539;546;555;568;569;571;583.

Cores 804 (25-30 cm; 445-450 cm);
807 (475-480 cm; 725-730 cm);
808 (400-405 cm);
816 (25-30 cm);
820 (600-605 cm);
821 (75-80 cm; 100-105 cm; 150-155 cm; 175-180 cm);
826 (425-430 cm);
828 (0-5 cm; 75-80 cm; 100-105 cm; 133-138 cm; 400-405 cm);
835 (44 cm);
838 (99-101 cm; 499-501 cm).

Serripes groenlandicus (Bruguère) - Wagner, 1970, Geol. Surv. Can., Bull.
181, p. 41, pl. IV, fig. 2a, b

= *Cardium groenlandicum* Bruguère, 1789, Encycl. Méthodique, p. 222

Occurrence: Localities 76;94;353;567;598;599;652.

Tellina sp.*Tellina* Linné, 1758

Occurrence: Localities 24; 157.

Thracia deveza Sars - Ockelmann, 1958, Medd. om Grønland, 122 (4), p. 156,
pl. 3, fig. 5

= *T. truncata* var. *deveza* Sars, 1878, Mollusca regionis arcticae
Norvegiae, p. 84, pl. 6, fig. 11a, b

Occurrence: Localities 76;94;351;352;561;564.

Thracia sp.*Thracia* Blainville, 1824

Occurrence: Core 821 (125-130 cm).

Thyasira flexuosa (Montagu) - Gaevsky, 1948, Encycl., fauna and flora of the northern sea regions of the U.S.S.R., p. 438, pl. CX, fig. 12= *Tellina flexuosa* Montagu, 1803, Test. Britannica, p. 72

Occurrence: Localities 2;5;8;11;35;65;91;93;163;165;414;416;492;512.

Core 807 (400-405 cm; 675-680 cm).

Yoldia hyperborea Torell - Moore (editor), 1969, Treatise on Invert. Paleontology, pt. N. Mollusca 6, 1, p. 239, fig. A9, 11a-c= *Y. hyperborea* Torell, 1859, Bidrag till Spitzbergens Molluskfauna, p. 149, pl. 2, fig. 6a, b

Occurrence: Locality 647.

Yoldia myalis (Couthouy) - Morris, 1973, Field Guide to Shells, p. 7, pl. 10, fig. 7= *Nucula myalis* Couthouy, 1838, Boston J. Nat. Hist., 2, p. 62, pl. 3, fig. 7

Occurrence: Localities 82;84;92;489;617;634.

Yoldia sp.*Yoldia* Müller, 1842

Occurrence: Localities 89;197;551;557;635.

Yoldiella fraterna Verrill and Bush - Ockelmann, 1958, Medd. om Grønland, 122 (4), p. 37, pl. 1, fig. 15 (as *Portlandia fraterna*)= *Y. fraterna* Verrill and Bush, 1898, Proc. U.S. Nat. Mus., 20, p. 867, pl. LXXX, fig. 5; pl. LXXXII, fig. 8

Occurrence: Localities 2;3;4;5;13;24;30;31;37;65;73;118;126;127;134;140;
143;146;151;201;206;321;323;330;390;395;405;407;
413;426;431;435;441;469;475;526.

Cores 804 (470-475 cm; 595-600 cm; 725-730 cm; 795-800 cm);
807 (850-855 cm; 925-930 cm);
808 (525-530 cm; 975-980 cm);
816 (275-280 cm);
820 (125-130 cm; 400-406 cm; 475-480 cm; 575-580 cm;
705-710 cm; 775-780 cm; 850-855 cm);
821 (125-130 cm);
853 (25-30 cm; 45-50 cm).

Yoldiella frigida (Torell) - Ockelmann, 1958, Medd. om Grønland, 122 (4),
p. 34, pl. 1, fig. 14 (as *Portlandia frigida*)

= *Yoldia frigida* Torell, 1859, Bidrag till Spitzbergens Molluskfauna,
p. 148, pl. 1, fig. 3

Occurrence: Localities 35;77;163;192;236;245;249;271;442.

Cores 804 (700-705 cm);
820 (400-406 cm; 750-755 cm);
834 (800-805 cm).

Yoldiella intermedia (Sars) - Ockelmann, 1958, Medd. om Grønland, 122 (4),
p. 27, pl. 1, fig. 12 (as *Portlandia intermedia*)

= *Yoldia intermedia* Sars, 1865, Foss. Dyre. fra Quartaer., p. 38,
fig. 92-96

Occurrence: Localities 128; 129; 144; 330.

Core 820 (400-406 cm).

Yoldiella lenticula (Müller) - Ockelmann, 1958, Medd. om Grønland, 122 (4), p. 30, pl. 1, fig. 13 (as *Portlandia lenticula*)

= *Nucula lenticula* Müller, 1842, Index Moll. Groenl., p. 17

Occurrence: Localities 2;5;22;24;25;28;30;31;36;37;38;42;47;51;54;58;73;84; 85;109;127;130;135;144;157;161;163;164;165;174;175; 178;179;180;184;185;186;190;191;192;193;194;204;206; 214;222;223;227;229;240;242;246;247;266;267;270;280; 281;282;296;297;298;300;301;302;303;306;325;368;371; 390;398;400;416;471;474;477;481;510;512;618.

Cores 807 (1067 cm; 1075-1080 cm);

808 (575-580 cm; 825-830 cm; 875-880 cm);

816 (175-180 cm);

818 (249-251 cm);

820 (400-406 cm; 725-730 cm; 775-780 cm; 875-880 cm);

826 (275-280 cm).

Yoldiella sp.

Yoldiella Verrill and Bush, 1897

Occurrence: Cores 804 (840-845 cm);

808 (450-455 cm; 475-480 cm; 900-905 cm);

826 (450-455 cm);

829 (0-5 cm).

APPENDIX 4

FORAMINIFERAL REFERENCE LIST

- Adercotryma glomerata* (Brady) = *Lituola glomerata* Brady, 1878, On the reticularian and radiolarian Rhizopoda (Foraminifera and Polycystina) of the North - Polar Expedition of 1875-76. Ann. Mag. Nat. Hist., ser. 5, vol. 1, pp. 425-440, pls. 20-21 (p. 433, pl. 20, figs. 1a-c) - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., vol. 121, no. 7, pp. 1-150, pls. 1-24, (p. 26, pl. 8, figs. 1-4).
- Ammotium cassis* (Parker) = *Lituola cassis* Parker, 1870, In Dawson, Can. Nat., N.S., vol. 5, pp. 177, 180, fig. 3. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera. Report B.I.O. 65-6, p. 155, pl. 8, figs. 13a, b, c.
- Astacolus hyalaerulus* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., v. 121, n. 7, p. 52, pl. 9, figs. 1-4 - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 156, pl. 5, figs. 1a, b.
- Astrononion gallowayi* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., vol. 121, no. 7, pp. 1-150, pls. 1-24 (p. 90, pl. 17, figs. 4-7). - Feyling-Hanssen, 1964, Foraminifera in the Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse, Nr. 225, p. 332, pl. 18, fig. 4.
- Bolivina* cf. *inflata* Heron-Allan and Earland, 1913, Clare Island Survey, Foraminifera. Royal Irish Acad., Proc., v. 31, pt. 64, pp. 1-188, pls. 1-13 (p. 68).
- Buccella frigida* (Cushman) = *Pulvinulina frigida* Cushman, 1922, Results of the Hudson Bay Expedition, 1920, I. The Foraminifera. Contr. Canadian Biol., no. 9 (1921), pp. 135-147 (p. 12, 144). - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 51, figs. 15, 16, p. 73, pl. 10, figs. 2a, b, c.
- Cassidella complanata* (Egger) = *Virgulina schreibersiana* Cziczek var. *complanata* Egger, 1893, Foraminiferen aus Meeresgrundproben, gelothet von 1874 bis 1876 von S.M. Seh. Gazelle. K. Bayer. Akad. Wiss., Math. - Phys. Cl., Abh., v. 18, pt. 2, p. 292, pl. 8, figs. 91, 92. - Leslie - Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 157, pl. 8, figs. 11a, b.
- Cibicides lobatulus* (Walker & Jacob) = *Nautilus lobatulus* Walker and Jacob, 1798, In Kanmacher, 1798, Adams' Essays on the microscope; the second edition, with considerable additions and improvements. Dillon and Keating (London). (p. 642). - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 158, pl. 10, figs. 6a, b, c.
- Criboatomoides crassimargo* (Norman) = *Haplophragmium crassimargo* Norman, 1892, Rhizopoda. Museum Normanianum, pt. 7-8, pp. 14-21. The author (Durham). (p. 17). - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 158, pl. 2, figs. 2a, b.

- Cribrostomoides jeffreysii* (Williamson) = *Nonionina jeffreysii* Williamson, 1858, On the Recent Foraminifera of Great Britain, pp. 1-107, pls. 1-7, Roy. Soc., London (p. 34, figs. 72, 73). - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 158, pl. 2, figs. 3a, b, c.
- Cribrostomoides neobraydi* (Uchico) = *Haplophragmoides neobraydi* Uchico, T., 1960, Ecology of living benthonic foraminifera from the San Diego, California area. Cushman Found. Foram. Res., Spec. Publ., no. 5, p. 51.
- Cycologyra involvens* (Reuss) = *Operoulina involvens* Reuss, 1850, Neue Foraminiferen aus den osterreichischen Tertiar Beckens. K. Akad. Wiss. Wien., Math.-Nat. Cl., Denkschr., vol. 1, pp. 365-390, pls. 46-51 (p. 370, pl. 46, fig. 30). - Feyling-Hanssen, 1964, Foraminifera in the Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse, Nr. 255, p. 246, pl. 4, fig. 9.
- Dentalina frobisherensis* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., vol. 121, no. 7, pp. 1-150, pls. 1-24 (p. 55, pl. 10, figs. 1-9). - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 159, pl. 5, fig. 4.
- Dentalina ittai* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., vol. 121, no. 7, p. 56, pl. 10, figs. 10-12. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 159, pl. 5, figs. 5a, b.
- Eggerella advena* (Cushman) = *Vermeuilina advena* Cushman, 1922, Results of the Hudson Bay Expedition, 1920, 1. The Foraminifera, Contr. Canadian Biol., no. 9 (1921), pp. 135-147 (p. 141). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., v. 121, no. 7, p. 36, pl. 3, figs. 8-10.
- Elphidiella groenlandica* (Cushman) = *Elphidium groenlandicum* Cushman, 1933, Smithsonian Misc. Coll., vol. 89, no. 9, p. 4, pl. 1, fig. 10. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 106, pl. 19, figs. 13, 14.
- Elphidium bartletti* Cushman, 1933, New Arctic Foraminifera collected by Capt. R.A. Bartlett from Fox Basin and off the northeast coast of Greenland. Smithsonian Misc. Coll., vol. 89, no. 9, pp. 1-8, pls. 1, 2 (p. 4, pl. 1, fig. 9). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera. Smithsonian Misc. Coll., vol. 121, no. 7, pp. 1-150, pls. 1-24 (p. 96, pl. 18, figs. 10-14).
- Elphidium clavatum* Cushman = *Elphidium incoertum* (Williamson) var. *clavatum* Cushman, 1930, U.S. Nat. Mus. Bull. 104, pt. 7, p. 20, pl. 7, fig. 10. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 98, pl. 19, fig. 8.

- Elphidium oregonense* Cushman and Grant, 1927 = *Polystomella siberica* Göes, Cushman, 1914 (not-Göes, 1894), U.S. Nat. Mus. Bull. 71, pt. 4, p. 34, pl. 19, fig. 1. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 103, pl. 18, figs. 1-3.
- Elphidium subarcticum* Cushman, 1944, Cushman Lab. Foram. Res. Spec. Publ. 12, p. 27, pl. 3, figs. 34, 35. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 105, pl. 19, figs. 5-7.
- Eoeponidella pulchella* (Parker) = *Phinaella(?)pulchella* Parker, 1952, Bull. Mus. Comp. Zool., vol. 106, no. 9, p. 420, pl. 6, figs. 18-20. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.1.0. 65-6, pl. 9, figs. 9a, b, c.
- Epistominella arctica* Green, 1959, Ecology of some Arctic Foraminifera in Scientific Studies of Fletcher's Ice Island, T 3 (1952-1955); U.S.A.F. Cambridge Research Centre, Bedford, Mass. Geophys. Research Paper No. 63, vol. 1, pp. 59-81, pl. 1, fig. 4.
- Epistominella takayanagi* Iwasa, 1955, Biostratigraphy of the Isizawagawa group in Honjo and its environs, Akita Prefecture Geol. Soc. Japan Jour., Tokyo, vol. 61, no. 712, p. 17, tf. 4a-c. - Ikeya, 1971, Species Diversity of Recent Benthonic Foraminifera off the Pacific Coast of North Japan, Faculty of Science, Shizuoka University, vol. 6, pp. 179-201.
- Eponides tener* (Brady) = *Truncatulina tener* Brady, 1884, Report on the foraminifera dredged by H.M.S. Challenger, during the years 1873-1876. Rept. Voy. Challenger, Zool., vol. 9, pp. 1-814, pls. 1-115 in atlas (p. 665, pl. 95, fig. 11). - Barker, 1960, Taxonomic notes on the species figures by H.B. Brady in his report on the foraminifera dredged by H.M.S. Challenger, during the year 1873-1876, Econ. Pa. Min., Spec. Publ. no. 9, pl. 95, fig. 11.
- Fissurina oucurbitasema* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 76, pl. 14, figs. 10, 11. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.1.0. 65-6, p. 183, pl. 6, fig. 9.
- Fissurina marginata* (Montagu) = *Vermiculium marginatum* Montagu, 1803, Testacea Britannica, pp. 1-606, pls. 1-16; Supplement, pp. 1-183, pls. 17-30 (p. 542). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, pp. 1-150, pls. 1-24 (p. 77, pl. 14, figs. 7-9).
- Fissurina semimarginata* (Reuss) = *Lagena marginata* Williamson var. *semimarginata* Reuss, 1870, Sitzb. Akad. Wiss. Wien., vol. 62, pt. 1, p. 468. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 78, pl. 14, fig. 3.

- Glabratella wrightii* (Brady) = *Disorbina wrightii* Brady, 1881, Ann. Mag. Nat. Hist., ser. 5, v. 8, p. 413, pl. 21, figs. 6a-c. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 161, pl. 10, figs. 7a, b, c.
- Globulina landesi* (G.D. Hanna and M.A. Hanna) = *Polymorphina landesi*, Hanna and Hanna, 1924, Foraminifera from the Eocene of Cowlitz River, Lewis County, Washington Univ., Washington Publ. in Geol. 1 (4). - *Globulina landesi* (Hanna and Hanna) - Rolf W. Feyling-Hanssen, Jørgen Anker Jørgensen, Karen Luise Knudsen and Anne-Lise Andersen, 1971, Late Quaternary Foraminifera from Vendsyssel, Denmark and Sandes, Norway. Geol. Surv. Denmark, Bull., vol. 21, pt. 2-3, p. 217, pl. 5, fig. 4.
- Globobulimina auriculata* (Bailey) forma *arctica* Höglund, 1947, Zool. Bidrag Uppsala, vol. 26, p. 254, text figs. 266, 267, 270, 271. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 110, pl. 20, figs. 8, 9.
- Glomospira gordialis* (Jones and Parker) = *Trochammina squamata* Jones and Parker var. *gordialis* Jones and Parker 1860, On the rhizopodal fauna of the Mediterranean, compared with that of the Italian and some other Tertiary deposits, Geol. Soc. London, Quart. Jour., vol. 16, pp. 292-307 (p. 304). - Cushman, 1948, Cushman Lab. Foram. Res., Spec. Pub. 23, p. 25, pl. 2, figs. 9, 10.
- Islandiella islandica* (Nørvang) = *Cassidulina islandica* Nørvang, 1945, Foraminifera, Zoology of Iceland, vol. 2, pt. 2, pp. 1-79, text figs. 1-14, Copenhagen and Reykjavik (p. 41, tfs. 7, 8). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 118, pl. 24, fig. 1.
- Islandiella norcrossi* (Cushman) = *Cassidulina norcrossi* Cushman, 1933, New Arctic Foraminifera collected by Capt. R.A. Bartlett from Fox Basin and off the Northeast coast of Greenland, Smithsonian Misc. Coll., vol. 89, no. 9, pp. 1-8, pls. 1, 2 (p. 7, pl. 2, fig. 7).
- Islandiella teretis* (Tappan) = *Cassidulina teretis* Tappan, 1951, Northern Alaska Index Foraminifera, Contr. Cushman Found. Foram. Res., vol. 2, pt. 1, pp. 1-8, pl. 1.
- Lagena flatulenta* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, pp. 1-150, pls. 1-24 (p. 60, pl. 11, figs. 9, 10). - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 163, pl. 5, fig. 9.
- Lagena gracillima* (Sequenza) = *Amphorina gracillima* Sequenza, 1862, Die terreni terziarii del distretto di Messina, Parte II. Descrizione dei foraminiferi monotalamici delle marne mioceniche del distretto di Messina, pp. 1-84, pls. 1-2, T. Capra (Messina). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 60, pl. 11, figs. 1-4.

- Lagena hispidula* Cushman, 1913, A monograph of the foraminifera of the North Pacific Ocean; Part III - *Lagenidae*, U.S. Nat. Mus. Bull., Washington, D.C., no. 71, pt. 3, p. 14. - Feyling-Hanssen, 1964, Foraminifera in Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse Nr. 225, p. 289, pl. 11, fig. 12.
- Lagena laevis* (Montagu) = *Vermiculium laeve* Montagu, 1803, Testacea Britannica, pp. 1-606, pls. 1-16; Supplement, pp. 1-183, pls. 17-30. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 61, pl. 11, figs. 5-8.
- Lagena mollis* Cushman = *Lagena gracillima* (Sequenza) var. *mollis* Cushman, 1944, Foraminifera from the shallow water of the New England coast, Cushman Lab. Foram. Res. Spec. Publ. 12, pp. 1-37, pls. 1-4 (p. 21, pl. 3, fig. 3). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 63, pl. 11, fig. 26.
- Lagena nebulosa* Cushman = *Lagena laevis* (Montagu) var. *nebulosa* Cushman, 1923, Foraminifera of the Atlantic Ocean, Pt. 4, *Lagenidae* U.S. Nat. Mus. Bull. 104, pt. 4, pp. 1-228, pls. 1-42. - Feyling-Hanssen, 1964, Foraminifera in the Late Quaternary deposits from Oslofjord area, Norges Geologiske Undersökelse, Nr. 225, p. 291, pl. 12, fig. 1.
- Lagena semilineata* Wright, 1886, Proc. Belfast Nat. Field Club, n.s., vol. 1, app. 9, p. 320, pl. 26, fig. 7. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 65, pl. 11, figs. 14-22.
- Laryngosigma hyalascidia* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 83, pl. 15, figs. 6-8.
- Melonis saandami* (van Voorthuysen) = *Nonion pompilioides* (Fichtel and Moll) - Cushman, 1930, The Foraminifera of the Atlantic Ocean, Pt. 7, Nonionidae, Camerinidae, Peneroplidae and Alveolinellidae, U.S. Nat. Mus. Bull. 104, pt. 7, pp. 1-79, pls. 1-18 (p. 4, pl. 2, figs. 1, 2, not pl. 1, figs. 7-11). - *Nonion saandamae* (van Voorthuysen) - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 87, pl. 16, figs. 11, 12.
- Nonionellina labradorica* (Dawson) = *Nonionina labradorica* Dawson, 1860, Notice of Tertiary fossils from Labrador, Maine, etc. and remarks on the climate of Canada in the newer Pliocene or Pleistocene period. Canadian Nat. Geol., Montreal, Canada, vol. 5, pp. 188-200, text.-figs. 1-5 (p. 191, fig. 4). - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 86, pl. 17, figs. 1, 2.
- Oolina apiculata* Reuss, 1851, Die Foraminiferen und Entomostraceen des Kreidemergels von Lemberg, Naturw. Abh., Wien, Osterreich, Bd. r, Abth. 1, p. 22, pl. 2, fig. 1. - Barker, 1960, Taxonomic notes on the species figured by H.B. Brady in his report on the foraminifera dredged by H.M.S. Challenger during the years 1873-1876, Econ. Pal. Min., Spec. Publ., no. 9, pl. 56, figs. 15, 16.

- Oolina caudigera* (Wiesner), Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 67, pl. 13, figs. 1-3.
- Parafissurina himatiostoma* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 80, pl. 14, figs. 12-14. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 167, pl. 6, fig. 13.
- Parafissurina tectulostoma* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 81, pl. 14, fig. 17. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 167, pl. 6, figs. 12a, b.
- Pateoria hauerinoides* (Rhumbler) = *Miliolina seminulum* (Linné) var. *disciformis* (Macgillivray) Williamson, 1858, Recent Foraminifera of Great Britain, p. 86, pl. 7, figs. 188, 189. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., Washington, D.C., vol. 89, no. 9, p. 42, pl. 6, figs. 8-12.
- Protelphidium orbiculare* (Brady) = *Nonionina orbicularis* Brady, 1881, On some arctic foraminifera from soundings obtained on the Austro-Hungarian North-Polar Expedition of 1872-1874, Ann. Mag. Nat. Hist., ser. 5, vol. 8, no. 48, pp. 393-418, pl. 21 (p. 415, pl. 21, figs. 5a, b). - *Elphidium orbiculare* (Brady) - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 102, pl. 19, figs. 1-4.
- Pseudopolymorphina novangliae* (Cushman) = *Polymorphina lactea* (Walker and Jacob) var. *novangliae* Cushman, 1923, Bull. 104, U.S. Nat. Mus., pt. 4, p. 146, pl. 39, figs. 6-8. - Parker, 1952, Bull. Mus. Comp. Zool., vol. 106, no. 10, p. 455, pl. 3, figs. 11, 12.
- Pseudopolymorphina suboblonga* Cushman and Ozawa, 1930, A monograph of the foraminiferal family Polymorphinidae Recent and Fossil, Proc. U.S. Nat. Mus., vol. 77, Art. 6, p. 91, pl. 23, fig. 3. - Feyling-Hanssen, 1964, Foraminifera in the Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse, Nr. 225, p. 300, pl. 13, fig. 4.
- Pyrgo subsphaerica* (d'Orbigny) = *Biloculina subsphaerica* d'Orbigny, 1839, Foraminifères. In: Sagra, R. de la, Histoire physique, politique et naturelle de L'Île de Cuba. Paris: Arthur Bertrand, vol. 2, p. 162, pl. 8, figs. 25-27. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 168, pl. 4, figs. 1a, b, c.
- Quinqueloculina stalkeri* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 40, pl. 5, figs. 5-9. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 169, pl. 3, figs. 3a, b, c.

- Reotobolivina columellaris* (Brady) = Barker, 1960, Taxonomic notes on the species figured by H.B. Brady in his report of the foraminifera dredged by H.M.S. Challenger during the years 1873-1876, Soc. Econ. Pal. Min., Spec. Publ., no. 9, p. 156, pl. 75, figs. 15-17.
- Recurvoides contortus* Earland, 1934, In Discovery Rept., vol. 10, p. 91. - *Haplophragmium scitulum* (part) Flint, Recent Foraminifera. A descriptive catalogue of specimens dredged by the U.S. Fish Commission Steamer 'Albatross', p. 276, pl. XX, fig. 2, Washington, D.C., U.S.A., 1899.
- Recurvoides turbinatus* (Brady) *Haplophragmium turbinatum* Brady, 1884, Report on the foraminifera dredged by H.M.S. Challenger, during the years 1873-1876, Rept. Voy. Challenger, Zool., vol. 9, In atlas, p. 313, pl. 35, figs. 9a-c. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 27, pl. 2, figs. 11a, b.
- Reophax arctica* Brady, 1881, Ann. Mag. Nat. Hist., ser. 5, vol. 8, p. 405, pl. 21, figs. 2a, b. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., Washington, D.C., vol. 121, no. 7, p. 21, pl. 1, figs. 19-20.
- Reophax fusiformis* Cushman, 1920, The Foraminifera of the Atlantic Ocean, pt. 2, Lituolidae, U.S. Nat. Mus. Bull. 104, pt. 2, pp. 1-111, pls. 1-18. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 22, pl. 2, figs. 1-4.
- Reophax nodulosus* Brady, 1879, Notes on some of the reticularian Rhizopoda of the Challenger Expedition, Quart. Jour. Micr. Soc., London, England, n.s., vol. 19, p. 52, pl. 4, figs. 7-8. - Barker, 1960, Taxonomic notes on the species figured by H.B. Brady in his report on the foraminifera dredged by H.M.S. Challenger, during the year 1873-1876, Econ. Pal. Min., Spec. Publ. no. 9, pl. 31, figs. 1-9.
- Saccammina atlantica* (Cushman) = *Proteonina atlantica* Cushman, 1944, Foraminifera from the shallow water of the New England coast, Cushman Lab. Foram. Res. Spec. Publ. 12, p. 5, pl. 1, fig. 4. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 170, pl. 1, figs. 1, 2.
- Scutuloris tegminis* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 41, pl. 5, fig. 10. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 170, pl. 3, figs. 5a, b, c.
- Sigmomorphina undulosa* (Terquem) *Polymorphina undulosa* Terquem, 1878, Mem. Soc. Geol., France, ser. 3, vol. 1, p. 41, pl. 3, figs. 35a, b. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 171, pl. 7, figs. 2, 3a, b.

- Silicosigmollina groenlandica* (Cushman) = *Quinqueloculina fusca* Brady var. *groenlandica* Cushman, 1933, New Arctic Foraminifera collected by Capt. R.A. Bartlett from Fox Basin and off the Northeast coast of Greenland, Smithsonian Misc. Coll., vol. 89, no. 9, p. 2, pl. 1, fig. 4. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 38, pl. 4, figs. 7-9.
- Spiroplectammina biformis* (Parker and Jones) = *Textularia agglutinans* d'Orbigny var. *biformis* Parker and Jones, 1865, On some Foraminifera from the North Atlantic and Arctic Oceans including Davis Straits and Baffin Bay, Philos. Trans. Roy. Soc. London, vol. 155, p. 370, pl. 15, figs. 23, 24. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 34, pl. 4, figs. 1-6.
- Statsonia horvathi* Green, 1959, Ecology of some Arctic Foraminifera in Scientific Studies of Fletcher's Ice Island, T 3 (1952-1955); U.S.A.F. Cambridge Research Centre, Bedford, Mass., Geophys. Research Paper No. 63, vol. 1, pp. 59-81, pl. 1, fig. 6.
- Textularia earlandi* Parker, 1952, Foraminiferal Distribution in the Long Island Sound - Buzzards Bay Area, Bull. Mus. Comp. Zool., vol. 106, no. 10, p. 458 (footnote, pl. 2, fig. 4).
- Textularia torquata* Parker, 1952, Foraminifera species off Portsmouth, New Hampshire, Bull. Mus. Comp. Zool., vol. 106, no. 9, p. 403, pl. 3, figs. 9-11. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 35, pl. 2, figs. 19-21.
- Triloculina tricarinata* d'Orbigny, 1826, p. 299, no. 7, Modele no. 94. - Feyling-Hanssen, 1964, Foraminifera in the Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse, Nr. 225, p. 258, pl. 6, figs. 7, 8.
- Triloculina trihedra* Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 45, pl. 4, fig. 10. - Feyling-Hanssen, 1964, Foraminifera in the Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse, Nr. 225, p. 259, pl. 6, fig. 6.
- Trochammina nana* (Brady) = *Haplophragmium nanum* Brady, 1881, Notes on some of the reticularian Rhizopoda of the Challenger Expedition, III, Quart. Jour. Micros. Sci., n.s., vol. 21, pp. 31-71. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 51, pl. 8, fig. 5.
- Trochammina quadriloba* Höglund = *Trochammina pusilla* Höglund, 1947, Foraminifera in the Gullmar Fjord and the Skagerak, Zool. Bidrag Uppsala, vol. 26, p. 201, pl. 17, figs. 4a-c. - Loeblich and Tappan 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 51, pl. 7, fig. 8.

- Trochamminella atlantica* Parker, 1952, Foraminifera species off Portsmouth, New Hampshire, Bull. Mus. Comp. Zool., vol. 106, no. 9, p. 409, pl. 4, figs. 17-19. - Loeblich and Tappan, 1953, Studies of Arctic Foraminifera, Smithsonian Misc. Coll., vol. 121, no. 7, p. 52, pl. 7, figs. 6, 7.
- Trochamminella bullata* Höglund, 1947, Foraminifera in the Gullmar Fjord and the Skagerak, Zool. Bidrag Uppsala, vol. 26, pp. 1-328, pl. 17, fig. 5. - Leslie, 1965, Ecology and Paleoecology of Hudson Bay Foraminifera, Report B.I.O. 65-6, p. 172, pl. 4, figs. 5a, b, c.
- Valvulineria arctica* Green, 1960, Ecology on some Arctic Foraminifera, Micropaleontology, vol. 6, no. 1, p. 71, pl. 1, figs. 3a-c.
- Valvulineria hamanakoensis* (Ishiwada) = *Anomalina hamanakoensis* Ishiwada, 1958, Geol. Surv. Japan, Rep., no. 180, p. 18, text-figs. 3a-c, pl. 1, figs. 24-27. - Matoba, 1970, Distribution of Recent shallow water foraminifera of Matsushima Bay, Jiyagi Prefecture, Northeast Japan, vol. 42, no. 1, p. 63, pl. 4, figs. 12a-c, 13a-c.
- Virgulina fusiformis* Williamson = *Bulimina pupoides* var. *fusiformis* Williamson, p. 63, pl. 5, figs. 129, 130. - Feyling-Hanssen, 1964, Foraminifera in Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse Nr. 225, p. 307, pl. 14, figs. 15-18.
- Virgulina schreibersiana* Czjzek *Virgulina schreibersiana* Czjzek. pl. 11, pl. 13, figs. 18-21. - Feyling-Hanssen, 1964, Foraminifera in Late Quaternary deposits from the Oslofjord area, Norges Geologiske Undersökelse Nr. 225, p. 309, pl. 14, figs. 19-21.

APPENDIX 5

STATION LOCATIONS - GRAB SAMPLESC.S.S. HUDSON, 1970 (H#69-050)

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
1.	69°38'N	138°45'W	47m	340
2.	69°45'	138°34'W	177m	341
3.	69°28'	138°48'	49m	342
4.	69°36'	138°24'	124m	343
5.	69°40'	138°14'	139m	344
6.	70°27.5'	138°57'	740m	345
7.	70°19'	138°47.5'	539m	346
8.	70°12.5'	138°40'	390m	347
9.	70°06.5'	138°31'	290m	348
10.	69°57.5'	138°27'	250m	349
11.	69°50.5'	138°18'	198m	350
12.	69°56'	138°54.8'	187m	351
13.	69°53.2'	139°05'	60m	352
14.	70°22'	139°05.5'	610m	354
15.	70°15.5'	139°12.3'	451m	355
16.	70°08.4'	139°15.9'	211m	356
17.	69°54.2'	139°28.1'	44m	357
18.	69°42'	139°42.1'	15m	358
19.	70°37'	139°29'	1426m	361
20.	70°22"	139°42'	515m	362
21.	70°10.3'	139°52.6'	69m	363
22.	69°59.28'	140°15.74'	51m	364
23.	69°43'	140°37'	26m	365
24.	69°11'	137°57'	33m	366
25.	69°22.1'	138°04.8'	47m	367
26.	69°33'	138°11.8'	109m	368
27.	70°30.5'	138°19.5'	795m	369
28.	70°19.8'	138°11'	421m	370
29.	70°10.5'	137°59.5'	241m	371
30.	70°01'	137°57'	109m	372
31.	69°47'N	137°32'	66m	373
32.	69°36'	137°20'	44m	374
33.	69°27'	137°10'	24m	375
34.	70°29.8'	137°49'	846m	376
35.	70°21.5'	137°33'	322m	377
36.	70°08.2'N	137°15.8'W	47m	378
37.	69°58'	137°00'	38m	379
38.	65°51'	136°48'	27m	380
39.	69°44.7'	136°37.3'	18m	381
40.	70°45.7'	137°04'	1390m	383
41.	70°32'	136°40'	700m	384
42.	70°18'	136°15'	57m	385
43.	70°10.6'	135°54.5'	46m	386
44.	70°00.6'	135°39.1'	28m	387
45.	70°50.85'	136°17.92'	880m	388

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
46.	70°42.5'	135°52'	470m	389
47.	70°37.6'	135°47.4'	87m	390
48.	70°26'	135°27'	62m	391
49.	70°17.6'	135°11'	55m	392
50.	70°08'	134°54'	37m	393
51.	70°41.3'	134°41.5'	58m	394
52.	70°26.5'	134°17.5'	62m	395
53.	70°17'	134°00'	45m	396
54.	70°57.4'	135°03.4'	457m	398
55.	70°52.35'	134°57'	146m	399
56.	70°46.5'	134°50'	73m	400
57.	70°08.5'	132°47.9'	25m	401
58.	70°14.5'	132°06.1'	31m	402
59.	70°07'	131°35'	17m	403
60.	70°00'	132°32'	19m	404
61.	69°52'	133°19.5'	16m	405
62.	70°02'	133°45.8'	30m	406
63.	71°12'	134°22.5'	850m	407
64.	71°01'	134°07'	289m	408
65.	70°56'	133°59.5'	80m	409
66.	70°47'	133°47'	80m	410
67.	70°38'	133°29'	62m	411
68.	70°24'	133°09'	42m	412
69.	71°18.5'	133°23.5'	699m	413
70.	71°09.5'	133°07'	346m	414
71.	71°02.8'	132°59.5'	80m	415
72.	70°56.2'	132°47.'	65m	416
73.	70°45.2'	132°27.6'	51m	418
74.	70°31.8'	132°10'	35m	419
75.	70°52'	128°33'	36m	420
76.	70°41'	128°19'	29m	421
77.	70°29.8'	129°22.8'	16m	422
78.	70°38.7'	129°39.4'	22m	423
79.	71°25.7'	132°06'	585m	424
80.	71°14.7'	131°54.8'	104m	425
81.	71°03.5'	131°42.7'	62m	426
82.	70°56.5'	131°24.7'	54m	427
83.	70°41.5'	130°52.1'	33m	428
84.	70°31.8'	130°41.6'	25m	429
85.	70°22.4'	130°31.0'	18m	430
86.	71°26.75'	130°53.87'	314m	431
87.	71°16.6'	130°37.6'	62m	432
88.	71°07.'	130°17.8'	44m	433
89.	70°56.9'	130°03.6'	38m	434
90.	70°50'	129°52'	29m	435
91.	71°25.2'	129°27.3'	69m	436
92.	71°17.5'	129°10.6'	47m	437
93.	71°07.9'	128°59.1'	40m	438
94.	71°01'	128°49.5'	40m	439
95.	69°56.5'	134°33'	16m	440

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
96.	69°51'	135°20'	16m	441
97.	71°34.3'	129°41.8'	225m	442

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98.	69°25.36'	132°59.70'	4.5m	1
99.	69°30.47'	133°05.37'	3.0m	2
100.	69°30.56'	133°10.86'	4.3m	3
101.	69°30.20'	133°17.77'	4.3m	4
102.	69°30.18'	133°22.86'	3.5m	4A
103.	69°32.57'	133°24.05'	4.0m	5
104.	69°33.49'	133°10.56'	5.0m	6
105.	69°34.66'	133°02.76'	3.0m	7
106.	69°36.08'	133°08.70'	5.0m	8
107.	69°37.52'	133°14.45'	5.0m	9
108.	69°38.63'	133°06.93'	5.3m	10
109.	69°41.08'	133°01.37'	6.5m	11
110.	69°43.25'	132°56.00'	6.0m	12
111.	69°42.12'	133°03.36'	7.0m	13
112.	69°45.00'	133°03.36'	7.5m	14
113.	69°47.42'	133°05.12'	9.5m	15
114.	69°46.68'	133°14.55'	10.0	15A
115.	69°51.48'	133°10.16'	14.5m	16
116.	69°52.76'	132°54.41'	13.0m	17
117.	69°51.74'	132°36.01'	11.0m	19
118.	69°48.66'	132°34.98'	9.0m	20
119.	69°47.35'	132°38.92'	7.0m	21
120.	69°45.94'	132°42.15'	7.0m	22
121.	69°37.97'	133°39.86'	4.0m	23
122.	69°41.78'	133°37.40'	5.0m	24
123.	69°45.33'	133°34.91'	7.5m	25
124.	69°48.56'	133°33.16'	10.0m	26
125.	69°58.48'	134°10.56'	16.0m	30
126.	69°54.63'	134°08.43'	11.0m	31
127.	69°51.24'	134°06.37'	8.0m	32
128.	69°47.40'	134°03.96'	5.3m	33
129.	69°43.03'	134°02.03'	4.0m	34
130.	69°49.47'	134°17.91'	7.0m	35
131.	69°51.63'	134°15.79'	8.0m	35A
132.	69°45.13'	134°44.57'	6.0m	36
133.	69°48.38'	134°41.11'	7.5m	37
134.	69°51.40'	134°41.07'	10.0m	38
135.	69°59.13'	134°48.04'	20.0m	40
136.	69°55.17'	134°41.87'	23.0m	41
137.	69°55.74'	135°20.22'	26.0m	42
138.	69°52.16'	135°17.87'	17.0m	43
139.	69°48.81'	135°15.42'	11.0m	44
140.	69°44.91'	135°13.05'	8.0m	45
141.	69°41.47'	135°11.46'	6.0m	46
142.	70°00.70'	131°31.60'	14.0m	47
143.	69°57.40'	131°19.00'	4.0m	48

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
144.	70°03.10'	131°01.40'	6.0m	49
145.	70°00.50'	131°14.90'	8.0m	50
146.	70°04.16'	131°16.41'	14.0m	51
147.	70°08.58'	131°15.75'	17.0m	52
148.	70°12.58'	131°14.66'	23.0m	53
149.	70°16.33'	131°17.25'	26.0m	54
150.	70°20.41'	131°15.50'	28.2m	55
151.	70°11.90'	131°45.16'	27.0m	56
152.	70°08.60'	131°46.05'	18.0m	57
153.	70°04.58'	131°45.66'	18.0m	58
154.	69°56.50'	131°45.16'	12.0m	60
155.	69°52.25'	131°44.03'	10.0	61

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156.	69°34.18'	138°55.00'	8.8m	5
157.	69°16.20'	138°09.00'	36.6m	6
158.	69°21.5'	138°17.5'	40.0m	7
159.	69°21.6'	138°03.4'	46.0m	8
160.	69°15.0'	137°35.0'	34.0m	9
161.	69°16.0'	137°48.0'	40.0m	10
162.	69°35.0'	137°50.0'	71.0m	11
163.	69°30.0'	137°50.0'	63.0m	12
164.	69°25.0'	137°50.0'	50.0m	13
165.	69°25.0'	138°05.0'	84.0m	14
166.	69°25.0'	138°16.0'	57.0m	15
167.	69°09.5'	137°41.0'	27.0m	16
168.	69°10.0'	137°32.0'	20.0m	17
169.	69°08.0'	137°32.5'	15.0m	18
170.	69°03.0'	137°45.0'	4.0m	19
171.	69°03.5'	137°43.0'	10.0m	20
172.	69°35.0'	138°46.5'	21.0m	21
173.	69°35.5'	138°26.0'	108.0m	22
174.	69°36.0'	138°12.0'	128.0m	23
175.	69°36.0'	138°01.0'	109.0m	24
176.	69°30.0'	138°01.0'	80.0m	25
177.	69°20.0'	137°35.0'	33.0m	26
178.	69°20.0'	137°50.0'	43.0m	27
179.	69°06.0'	137°50.0'	15.0m	28
180.	69°20.0'	137°20.0'	40.0m	29
181.	69°25.0'	137°06.0'	31.0m	30
182.	69°30.0'	136°52.0'	17.0m	31
183.	69°30.0'	137°06.0'	37.0m	32
184.	69°30.0'	137°20.0'	51.0m	33
185.	69°40.0'	137°20.0'	58.0m	34
186.	69°35.0'	137°20.0'	60.0m	35
187.	69°35.0'	136°39.0'	17.0m	36
188.	69°35.0'	136°52.0'	28.0m	37
189.	69°35.0'	137°06.0'	43.0m	38
190.	69°39.25'	137°21.0'	53.0m	39
191.	69°35.0'	137°35.0'	61.0m	40

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
192.	69°30.0'	137°35.0'	57.0m	41
193.	69°25.0'	137°35.0'	42.0m	42
194.	69°25.0'	137°20.0'	42.0m	43
195.	69°26.0'	138°31.0'	22.0m	44
196.	69°25.9'	138°46.5'	49.0m	45
197.	69°30.0'	138°17.4'	93.0m	46
198.	69°30.0'	138°30.7'	41.0m	47
199.	69°30.0'	138°46.02'	13.0m	48
200.	69°40.0'	136°25.0'	17.0m	49
201.	69°40.0'	136°39.0'	30.0m	50
202.	69°40.0'	136°52.0'	22.0m	51
203.	69°40.0'	137°06.0'	29.0m	52
204.	69°40.0'	138°03.0'	59.0m	53
205.	69°40.0'	137°50.0'	73.0m	54
206.	69°40.0'	137°35.0'	128.0m	55
207.	69°16.0'	138°17.0'	13.0m	56
208.	69°15.0'	138°15.0'	13.0m	57
209.	69°14.0'	138°14.5'	15.0m	58
210.	69°12.0'	138°12.0'	15.0m	59
211.	69°11.0'	138°10.0'	16.0m	60
212.	69°10.0'	138°07.0'	16.0m	61
213.	69°09.25'	138°05.0'	17.0m	62
214.	69°08.5'	138°04.0'	16.0m	63
215.	69°08.0'	138°01.0'	19.0m	64
216.	69°07.5'	137°58.5'	19.0m	65
217.	69°40.0'	138°45.7'	85.0m	66
218.	69°40.0'	139°00.0'	47.0m	67
219.	69°40.0'	139°14.3'	38.0m	68
220.	69°45.0'	139°14.3'	38.0m	69
221.	69°45.0'	138°45.7'	165.0m	71
222.	69°40.0'	138°18.0'	146.0m	72
223.	69°45.0'	138°03.0'	148.0m	73
224.	69°45.0'	138°18.0'	165.0m	74
225.	69°45.0'	138°32.0'	174.0m	75
226.	69°40.0'	138°32.0'	128.0m	76
227.	69°45.0'	137°50.0'	96.0m	77
228.	69°45.0'	137°34.0'	68.0m	78
229.	69°45.3'	137°20.0'	59.0m	79
230.	69°46.0'	137°06.0'	43.0m	80
231.	69°46.0'	136°52.0'	30.0m	81
232.	69°45.2'	136°39.0'	22.0m	82
233.	69°45.0'	136°25.0'	15.0m	83
234.	69°45.0'	136°10.0'	10.0m	84
235.	69°45.0'	135°55.0'	11.0m	85
236.	69°50.0'	135°56.0'	14.5m	86
237.	69°50.0'	136°10.0'	18.0m	87
238.	69°50.0'	136°25.0'	18.0m	88
239.	69°50.0'	136°39.0'	24.0m	89
240.	69°50.0'	136°52.0'	33.0m	90
241.	69°50.0'	137°05.0'	40.0m	91
242.	69°50.5'	137°35.0'	69.0m	92
243.	69°51.0'	137°20.0'	58.0m	93

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
244.	69°55.0'	137°06.0'	43.0m	94
245.	69°56.0'	137°20.0'	63.0m	95
246.	69°55.0'	137°35.0'	73.0m	96
247.	69°51.0'	137°49.0'	100.0m	97
248.	69°50.0'	139°00.0'	71.0m	98
249.	69°50.0'	139°15.0'	45.0m	99
250.	69°55.0'	139°15.0'	53.0m	100
251.	69°55.0'	139°00.0'	180.0m	101
252.	70°01.0'	139°01.0'	200.0m	102
253.	70°04.5'	139°01.0'	240.0m	103
254.	70°00.0'	138°55.0'	300.0m	104
255.	69°31.5'	138°49.0'	8.5m	105
256.	69°33.0'	138°47.5'	7.6m	106
257.	69°33.6'	138°50.0'	7.4m	107
258.	69°50.0'	138°46.0'	191.0m	108
259.	69°55.0'	138°46.0'	197.0m	109
260.	70°05.0'	138°46.0'	236.0m	110
261.	70°05.0'	138°30.0'	296.0m	111
262.	70°00.0'	138°28.0'	270.0m	112
263.	69°55.0'	138°30.0'	246.0m	113
264.	69°54.0'	138°17.0'	225.0m	114
265.	69°55.0'	138°02.0'	172.0m	115
266.	69°55.0'	137°49.0'	113.0m	116
267.	70°00.0'	137°35.0'	73.0m	117
268.	69°50.0'	134°46.7°	5.5m	118
269.	70°00.0'	137°05.0'	48.0m	119
270.	70°00.0'	137°20.0'	66.0m	120
271.	70°00.0'	137°49.0'	117.0m	121
272.	70°00.0'	138°02.0'	180.0m	122
273.	70°00.0'	138°18.0'	236.0m	123
274.	70°05.0'	138°18.0'	255.0m	124
275.	70°05.0'	138°02.0'	200.0m	125
276.	70°05.0'	137°50.0'	115.0m	126
277.	69°50.0'	138°31.0'	193.0m	127
278.	69°50.0'	138°17.0'	200.0m	128
279.	69°50.0'	138°03.0'	159.0m	129
280.	70°05.0'	137°33.0'	66.0m	130
281.	70°05.5'	137°19.0'	50.0m	131
282.	70°05.0'	137°05.0'	41.0m	132
283.	69°55.0'	136°52.0'	35.0m	133
284.	70°00.0'	136°52.0'	36.0m	134
285.	70°00.0'	136°37.0'	35.0m	135
286.	69°55.0'	136°37.0'	31.0m	136
287.	69°55.0'	136°24.0'	25.5m	137
288.	70°00.0'	136°24.0'	34.0m	138
289.	70°00.0'	136°09.0'	32.0m	139
290.	69°55.0'	136°09.0'	21.0m	140
291.	69°55.0'	135°55.0'	20.0m	141
292.	70°00.0'	135°55.0'	31.0m	142
293.	70°05.2'	135°55.0'	42.0m	143
294.	70°05.0'	136°10.0'	40.0m	144
295.	70°05.0'	136°23.0'	38.0m	145

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
296.	70°05.0'	136°38.0'	37.0m	146
297.	70°05.3'	136°54.0'	38.0m	147

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298.	69°42.5'	136°07.5'	20m	1
299.	69°31.5'	137°03.5'	8m	3
300.	69°23.0'	137°40.0'	26m	4
301.	69°09.8'	137°30.0'	17m	5
302.	69°17.3'	137°05.0'	3m	6
303.	69°21.4'	136°50.0'	2m	7
304.	69°26.5'	136°31.0'	6m	8
305.	69°34.5'	136°08.0'	4m	9
306.	69°37.0'	135°52.0'	3m	10
307.	69°25.5'	135°51.5'	1m	11
308.	69°08.0'	136°44.3'	2m	14
309.	69°00.8'	137°07.3'	4m	15
310.	68°56.7'	136°44.5'	2m	16
311.	69°01.5'	136°30.2'	2m	17
312.	68°54.3'	136°20.0'	2m	19
313.	68°56.0'	136°16.0'	2m	20
314.	68°53.5'	136°02.0'	5m	22
315.	68°49.5'	135°46.0'	1m	23
316.	68°45.2'	135°29.5'	2m	24
317.	68°30.0'	134°32.0'	1m	27
318.	69°40.5'	137°04.0'	32m	31
319.	69°44.5'	13°24.0'	6m	32
320.	69°46.5'	134°54.0'	4m	33
321.	69°50.0'	134°30.0'	4m	34
322.	69°41.0'	132°52.5'	2m	35
323.	69°46.5'	132°50.5'	8m	36
324.	69°54.3'	132°49.0'	10m	37
325.	69°46.8'	132°04.0'	3m	38
326.	69°59.5'	132°03.0'	6m	39
327.	70°09.0'	132°03.0'	11m	40
328.	70°04.4'	131°12.5'	12m	42
329.	70°12.3'	131°13.0'	24m	43
330.	70°15.3'	130°05.0'	8m	45
331.	70°24.5'	130°07.5'	7m	46
332.	70°30.0'	130°11.0'	20m	47
333.	70°24.5'	128°47.5'	13m	48
334.	70°13.0'	128°21.5'	12m	49
335.	69°39.5'	130°34.0'	8m	50
336.	69°46.0'	130°10.0'	10m	51
337.	69°51.3'	129°14.0'	10m	52
338.	69°47.5'	129°44.5'	14.0	53

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339.	70°03.7'	131°50.0'	18.0m	3
340.	70°01.9'	132°06.9'	22.0m	4
341.	70°07.4'	132°05.9'	30.0m	5
342.	70°12.8'	132°05.2'	34.0m	6

LOCALITY.	LAT.	LONG.	DEPTH	CRUISE STN. NO.
343.	70°12.5'	131°49.5'	34.0m	7
344.	70°07.1'	131°50.3'	32.0m	8
345.	70°18.3'	132°04.2'	30.0m	9
346.	70°23.1'	132°03.8'	37.0m	10
347.	70°23.1'	131°47.7'	37.0m	11
348.	70°23.0'	131°31.4'	49.0m	12
349.	70°17.9'	131°48.5'	39.0m	13
350.	70°17.5'	131°33.5'	35.0m	14
351.	70°12.2'	131°33.1'	24.0m	15
352.	70°07.4'	131°34.1'	21.0m	16
353.	70°28.1'	131°31.2'	45.0m	17
354.	70°28.6'	131°46.8'	34.0m	18
355.	70°28.9'	132°02.9'	35.0m	19
356.	70°29.1'	132°19.4'	36.0m	20
357.	70°29.4'	132°35.2'	39.0m	21
358.	70°23.8'	132°35.9'	39.0m	22
359.	70°23.6'	132°20.3'	33.0m	23
360.	70°18.9'	132°36.3'	35.0m	24
361.	70°18.5'	132°20.7'	31.0m	25
362.	70°13.1'	132°21.6'	24.0m	26
363.	70°13.2'	132°37.4'	31.0m	27
364.	70°07.9'	132°37.2'	25.0m	28
365.	70°07.8'	132°21.9'	24.0m	29
366.	70°13.7'	132°52.8'	31.0m	30
367.	70°08.2'	132°53.5'	23.0m	31
368.	70°02.7'	132°53.8'	23.0m	32
369.	69°57.3'	132°54.5'	21.0m	33
370.	69°57.6'	133°10.4'	20.0m	34
371.	70°02.8'	133°09.6'	22.0m	35
372.	70°03.1'	133°25.7'	30.0m	36
373.	69°57.5'	133°25.8'	23.0m	37
374.	69°57.4'	133°41.5'	18.0m	38
375.	70°02.9'	133°40.6'	33.0m	39
376.	70°08.8'	133°41.3'	42.0m	40
377.	70°13.8'	133°40.4'	48.0m	41
378.	70°13.7'	133°24.6'	37.0m	42
379.	70°13.6'	133°08.7'	34.0m	43
380.	70°19.0'	133°08.2'	38.0m	44
381.	70°18.8'	132°52.2'	38.0m	45
382.	70°24.1'	132°51.7'	42.0m	46
383.	70°29.6'	132°51.3'	46.0m	47
384.	70°29.6'	133°07.4'	49.0m	48
385.	70°24.3'	133°07.8'	46.0m	49
386.	70°19.3'	133°23.8'	40.0m	50
387.	70°19.2'	133°40.4'	55.0m	51
388.	70°14.0'	133°56.6'	44.0m	52
389.	70°08.7'	134°28.3'	30.0m	53
390.	70°03.3'	134°44.3'	22.0m	54
391.	70°03.4'	134°59.7'	31.0m	55
392.	70°03.4'	135°15.6'	42.0m	56
393.	70°03.4'	135°31.7'	42.0m	57
394.	70°03.5'	135°47.6'	38.0m	58

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
395.	69°58.0'	135°31.1'	33.0m	59
396.	69°52.4'	134°44.1'	7.0m	60
397.	69°57.9'	134°44.1'	14.0m	61
398.	70°19.0'	136°51.8'	64.0m	62
399.	70°19.2'	136°36.3'	58.0m	63
400.	70°19.2'	136°19.8'	59.0m	64
401.	70°19.4'	136°03.9'	62.0m	65
402.	70°19.4'	135°47.8'	62.0m	66
403.	70°19.4'	135°31.6'	60.0m	67
404.	70°24.8'	135°31.5'	60.0m	68
405.	70°24.8'	135°48.0'	64.0m	69
406.	70°24.8'	136°04.2'	58.0m	70
407.	70°24.8'	136°19.7'	57.0m	71
408.	70°24.5'	136°35.9'	67.0m	72
409.	70°16.5'	138°10.7'	369.0m	73
410.	70°17.7'	137°54.4'	240.0m	74
411.	70°18.4'	137°38.8'	88.0m	75
412.	70°18.7'	137°23.5'	76.0m	76
413.	70°18.8'	137°07.6'	69.0m	77
414.	70°24.2'	137°08.2'	539.0m	78
415.	70°24.3'	136°52.2'	362.0m	79
416.	70°29.9'	136°36.5'	439.0m	80
417.	70°30.0'	136°20.1'	95.0m	81
418.	70°30.2'	136°03.0'	67.0m	82
419.	70°30.0'	135°48.3'	69.0m	83
420.	70°30.3'	135°32.6'	66.0m	84
421.	70°14.3'	135°31.8'	55.0m	85
422.	70°14.3'	135°16.1'	55.0m	86
423.	70°08.8'	135°16.4'	51.0m	87
424.	70°09.0'	135°31.5'	59.0m	88
425.	69°58.1'	135°15.3'	37.0m	89
426.	69°52.7'	135°00.2'	16.0m	90
427.	69°52.7'	135°15.8'	19.0m	91
428.	69°52.6'	135°31.5'	23.0m	92
429.	69°58.0'	134°59.6'	23.0m	93
430.	69°47.3'	135°31.2'	22.0m	94
431.	69°47.2'	135°15.5'	7.0m	95
432.	69°48.4'	135°00.0'	10.0m	96
433.	70°08.8'	135°60.0'	42.0m	97
434.	70°08.8'	134°44.3'	40.0m	98
435.	70°03.4'	134°28.4'	23.0m	99
436.	70°03.3'	134°12.7'	25.0m	100
437.	70°08.9'	134°11.9'	33.0m	101
438.	70°08.4'	133°56.3'	39.0m	102
439.	70°03.4'	133°57.2'	26.0m	103
440.	69°57.8'	133°57.1'	13.0m	104
441.	69°57.9'	134°12.8'	12.0m	105
442.	69°58.0'	134°28.5'	13.0m	106
443.	70°14.1'	134°59.9'	49.0m	107
444.	70°14.1'	134°44.0'	44.0m	108
445.	70°14.1'	134°28.3'	42.0m	109
446.	70°14.1'	134°12.2'	45.0m	110

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
447.	70°30.1'	134°11.8'	67.0m	111
448.	70°30.2'	133°55.4'	68.0m	112
449.	70°30.1'	133°39.2'	75.0m	113
450.	70°29.9'	133°23.3'	36.0m	114
451.	70°24.5'	133°23.9'	49.0m	115
452.	70°24.7'	133°39.9'	69.0m	116
453.	70°24.7'	133°55.8'	62.0m	117
454.	70°19.5'	133°56.1'	51.0m	119
455.	70°19.5'	134°11.8'	46.0m	120
456.	70°19.5'	134°27.9'	46.0m	121
457.	70°24.9'	134°28.1'	55.0m	122
458.	70°29.9'	134°42.9'	56.0m	124
459.	70°24.9'	134°44.0'	54.0m	125
460.	70°19.2'	134°44.1'	45.0m	126
461.	70°19.5'	134°59.9'	55.0m	127
462.	70°19.5'	135°15.7'	55.0m	128
463.	70°25.0'	135°15.9'	58.0m	129
464.	70°25.0'	135°00.0'	62.0m	130
465.	70°30.4'	134°59.9'	60.0m	131
466.	70°30.3'	135°16.2'	60.0m	132
467.	69°47.6'	136°10.4'	16.0m	133
468.	69°47.0'	135°46.7'	8.0m	134
469.	69°52.5'	135°46.9'	16.0m	135
470.	69°57.9'	135°47.1'	22.0m	136
471.	70°08.7'	135°47.5'	42.0m	137
472.	70°08.6'	136°03.6'	42.0m	138
473.	70°08.5'	136°19.4'	42.0m	139
474.	70°08.8'	136°35.4'	43.0m	140
475.	70°13.8'	136°35.3'	46.0m	141
476.	70°13.8'	136°19.4'	50.0m	142
477.	70°13.7'	136°03.3'	50.0m	143
478.	70°14.0'	135°47.4'	52.0m	144
479.	70°35.5'	134°59.8'	57.0m	145
480.	70°35.7'	134°43.5'	58.0m	146
481.	70°35.6'	134°27.6'	60.0m	147
482.	70°35.6'	134°11.3'	58.0m	148
483.	70°35.5'	133°55.0'	62.0m	149
484.	70°35.4'	133°39.1'	70.0m	150
485.	70°02.2'	132°22.7'	21.0m	151
486.	69°56.8'	132°23.6'	13.0m	152
487.	69°57.1'	132°39.4'	23.0m	153
488.	70°02.5'	132°38.8'	16.0m	154
489.	70°08.3'	133°09.7'	23.0m	155
490.	70°08.6'	133°25.6'	42.0m	156
491.	70°35.8'	135°16.8'	60.0m	157
492.	70°40.9'	135°49.0'	335.0m	161
493.	70°40.9'	135°32.3'	146.0m	162
494.	70°41.1'	135°16.3'	71.0m	163
495.	70°41.1'	135°00.1'	62.0m	164
496.	70°41.1'	134°43.9'	56.0m	165
497.	70°41.1'	134°27.8'	58.0m	166
498.	70°41.1'	134°11.1'	64.0m	167

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
499.	70°41.0'	133°54.7'	65.0m	168
500.	70°40.6'	133°38.2'	71.0m	169
501.	70°35.4'	133°23.0'	58.0m	171
502.	70°35.2'	133°06.5'	50.0m	172
503.	70°40.3'	133°06.5'	49.0m	173
504.	70°45.8'	133°05.9'	54.0m	174
505.	70°46.0'	133°22.5'	62.0m	175
506.	70°46.2'	133°38.9'	71.0m	176
507.	70°46.2'	133°54.9'	73.0m	177
508.	70°46.3'	134°11.3'	66.0m	178
509.	70°46.3'	134°27.4'	62.0m	179
510.	70°46.4'	135°00.2'	75.0m	181
511.	70°46.4'	135°16.1'	126.0m	182
512.	70°51.9'	135°00.3'	167.0m	183
513.	70°51.8'	134°43.3'	87.0m	184
514.	70°51.7'	134°27.2'	78.0m	185
515.	70°51.8'	134°11.2'	78.0m	186
516.	70°50.5'	133°53.4'	78.0m	187
517.	70°50.7'	133°19.8'	66.0m	189
518.	70°50.2'	133°03.9'	62.0m	190
519.	69°56.0'	130°24.0'	10.7m	191
520.	69°41.7'	130°22.5'	11.6m	192
521.	69°48.7'	130°09.5'	9.5m	193
522.	69°45.6'	130°03.5'	11.6m	194
523.	69°52.9'	129°51.0'	8.8m	195
524.	69°49.6'	129°45.0'	13.7m	196
525.	69°56.8'	129°32.5'	11.0m	197
526.	69°53.5'	129°26.5'	15.3m	198
527.	70°06.0'	129°14.0'	11.0m	199
528.	69°57.4'	129°07.7'	15.3m	200

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529.	70°06.8'	131°14.0'	15.9m	1
530.	70°12.4'	131°15.1'	22.9m	2
531.	70°17.6'	131°15.6'	25.6m	3
532.	70°17.7'	130°59.2'	18.3m	4
533.	70°17.8'	130°43.3'	14.6m	5
534.	70°12.4'	130°59.2'	15.2m	6
535.	70°18.2'	130°27.8'	10.7m	7
536.	70°18.2'	130°11.8'	9.1m	8
537.	70°23.7'	129°56.1'	13.7m	9
538.	70°29.1'	129°56.4'	16.8m	10
539.	70°23.5'	130°28.0'	16.7m	11
540.	70°23.7'	130°12.5'	14.6m	12
541.	70°28.8'	130°12.2'	18.3m	13
542.	70°28.8'	130°28.6'	23.8m	14
543.	70°28.7'	130°44.6'	22.9m	15
544.	70°28.5'	131°00.5'	25.9m	16
545.	70°23.2'	131°00.0'	21.9m	17
546.	70°23.5'	130°44.0'	19.8m	18
547.	70°23.0'	131°16.1'	31.4m	19
548.	70°28.4'	131°16.9'	34.2m	20

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
549.	70°33.7'	131°17.3'	32.0m	21
550.	70°33.9'	131°01.0'	32.9m	22
551.	70°34.1'	130°45.0'	25.9m	23
552.	70°34.3'	130°29.0'	27.4m	24
553.	70°34.4'	130°12.8'	24.4m	25
554.	70°34.5'	129°56.4'	20.7m	26
555.	70°39.9'	129°57.0'	23.8m	27
556.	70°39.7'	130°13.3'	27.4m	28
557.	70°39.4'	130°45.5'	32.0m	29
558.	70°39.3'	131°01.9'	45.7m	30
559.	70°39.1'	131°18.0'	31.1m	31
560.	70°56.2'	128°18.6'	48.8m	32
561.	70°56.0'	128°35.0'	44.2m	33
562.	70°56.0'	128°51.8'	35.1m	34
563.	70°50.8'	128°51.8'	32.0m	35
564.	70°50.7'	128°35.4'	38.1m	36
565.	70°50.9'	128°18.9'	42.7m	37
566.	70°45.5'	128°19.9'	40.6m	38
567.	70°45.4'	128°35.1'	28.9m	39
568.	70°40.0'	128°35.7'	16.8m	40
569.	70°40.0'	128°51.9'	19.5m	41
570.	70°40.0'	129°08.1'	19.8m	42
571.	70°40.0'	129°24.4'	20.7m	43
572.	70°34.6'	129°24.3'	18.7m	44
573.	70°34.5'	129°40.4'	19.2m	45
574.	70°23.8'	129°40.1'	10.7m	47
575.	70°26.5'	129°23.5'	10.7m	48
576.	70°29.3'	129°08.1'	12.2m	49
577.	70°29.2'	128°51.9'	11.3m	50
578.	70°29.3'	128°36.2'	13.7m	51
579.	70°29.2'	128°25.0'	10.7m	52
580.	70°23.8'	128°36.2'	12.2m	53
581.	70°18.4'	128°36.3'	12.2m	54
582.	70°18.5'	128°52.0'	12.2m	55
583.	70°22.2'	129°05.4'	9.5m	56
584.	70°18.5'	128°59.6'	10.7m	57
585.	70°13.1'	128°52.1'	12.5m	58
586.	70°13.1'	128°36.2'	10.7m	59
587.	70°19.8'	128°55.0'	8.5m	60
588.	70°18.4'	128°20.1'	8.5m	61
589.	70°13.0'	128°20.2'	7.9m	62
590.	70°34.5'	129°07.7'	16.8m	63
591.	70°34.6'	128°35.8'	13.7m	65
592.	71°57.7'	125°20.8'	11.3m	66
593.	70°44.5'	131°18.7'	44.8m	67
594.	70°44.7'	131°02.3'	48.8m	68
595.	70°44.9'	130°46.0'	35.1m	69
596.	70°39.6'	130°29.3'	29.0m	70
597.	70°45.0'	130°29.7'	35.0m	71
598.	70°45.1'	130°13.4'	30.5m	72
599.	70°45.2'	129°57.1'	25.9m	73
600.	70°45.3'	129°40.8'	24.4m	74
601.	70°50.5'	129°41.0'	27.4m	75
602.	70°50.6'	129°57.5'	30.5m	76

LOCALITY	LAT.	LONG.	DEPTH	CRUISE STN. NO.
603.	70°50.4'	130°13.7'	36.6m	77
604.	70°50.3'	130°30.0'	38.1m	78
605.	70°50.2'	130°46.5'	38.7m	79
606.	70°50.0'	131°03.0'	50.3m	80
607.	70°49.9'	131°19.1'	53.3m	81
608.	70°55.3'	131°19.9'	51.8m	82
609.	71°10.6'	132°11.7'	99.1m	83
610.	71°10.9'	131°55.1'	75.6m	84
611.	71°11.1'	131°38.4'	71.6m	85
612.	71°11.4'	131°21.8'	71.6m	86
613.	71°11.6'	131°05.1'	62.5m	87
614.	71°11.8'	130°48.4'	53.3m	88
615.	71°11.9'	130°31.7'	56.4m	89
616.	71°12.0'	130°15.1'	47.0m	90
617.	71°17.4'	130°15.4'	53.3m	91
618.	71°17.3'	130°32.2'	57.9m	92
619.	71°17.1'	130°48.9'	79.3m	93
620.	71°16.9'	131°05.7'	91.4m	94
621.	71°16.7'	131°22.4'	91.4m	95
622.	71°16.5'	131°39.1'	179.2m	96
623.	71°16.3'	131°55.9'	182.9m	97
624.	71°16.0'	132°12.6'	241.4m	98
625.	71°04.7'	132°43.9'	77.7m	99
626.	71°05.0'	132°27.4'	71.6m	100
627.	71°05.3'	132°10.9'	70.1m	101
628.	71°05.5'	131°54.2'	68.6m	102
629.	71°00.4'	131°36.9'	59.4m	103
630.	71°00.6'	131°20.4'	56.4m	104
631.	70°55.4'	131°03.3'	51.8m	105
632.	70°55.6'	130°47.0'	44.2m	106
633.	70°55.7'	130°30.4'	42.7m	107
634.	70°55.8'	130°14.0'	41.2m	108
635.	70°55.9'	129°57.6'	36.6m	109
636.	70°50.8'	129°24.6'	27.4m	111
637.	70°45.4'	129°08.2'	25.3m	112
638.	71°05.8'	131°37.7'	61.0m	113
639.	71°06.0'	131°21.1'	59.4m	114
640.	71°06.2'	131°04.5'	54.0m	115
641.	71°00.8'	131°03.9'	55.5m	116
642.	71°01.0'	130°47.4'	45.7m	117
643.	71°01.1'	130°30.9'	44.2m	118
644.	71°01.3'	130°14.4'	42.7m	119
645.	71°06.4'	130°47.9'	53.3m	120
646.	71°06.5'	130°31.3'	45.7m	121
647.	71°06.6'	130°14.7'	42.7m	122
648.	71°06.7'	129°58.1'	42.7m	123
649.	71°01.3'	129°57.9'	41.2m	124
650.	71°01.5'	129°41.4'	38.1m	125
651.	70°56.1'	129°24.7'	32.0m	126
652.	70°45.4'	128°51.9'	24.4m	127
653.	70°56.1'	129°08.2'	32.0m	128
654.	70°50.7'	129°08.2'	29.0m	129
655.	70°45.3'	129°24.5'	24.4m	130
656.	70°39.9'	129°40.6'	22.9m	131
657.	70°49.7'	131°35.5'	53.0m	132

STATION LOCATIONS - CORES -Hu69-050

CORE NO.	LATITUDE	LONGITUDE	DEPTH	EQUIVALENT REPORT STN. NC
804.	69°45'N	138°34'W	177m	2
805.	69°28'N	138°48'W	49m	3
806.	70°19'	138°47.5'	539m	7
807.	70°06.5'	138°31'	290m	9
808.	69°50.5'	138°18'	198m	11
809.	71°31.3'	138°11.0'	2031m	
810.	70°59.8'	138°14.7'	1657m	
811.	70°39'	139°29'	1426m	19
812.	70°22'	139°42'	515m	20
813.	70°10.3'	139°52.6'	69m	21
814.	69°59.3'	140°15.7'	51m	22
815.	69°43'	140°37'	26m	23
816.	69°11'	137°57'	33m	24
817.	69°22.1'	138°04.8'	47m	25
818.	69°33'	138°11.8'	109m	26
819.	70°29.8'	137°49'	846m	34
820.	70°21.5'	137°33'	322m	35
821.	70°08.2'	137°15.8'	47m	36
822.	69°51'	136°48'	27m	38
823.	69°58.5'	137°07.6'	48m	
824.	70°50.9'	136°17.9'	880m	45
825.	70°42.5'	135°52'	470m	46
826.	70°37.6'	135°47.4'	87m	47
827.	70°26'	135°27'	62m	48
828.	70°17.6'	135°11'	55m	49
829.	70°08'	135°54'	37m	50
830.	71°31.98'	135°57.48'	1850m	
832.	70°08.5'	132°47.9'	25m	57
833.	71°12'	134°22.5'	850m	63
834.	71°01'	134°07'	289m	64
835.	70°56'	133°59.5'	80m	65
836.	70°47'	133°47'	80m	66
837.	70°38'	133°29'	62m	67
838.	70°24'	133°09'	42m	68
840.	70°52'	128°33'	36m	75
841.	70°41'	128°19'	29m	76
842.	71°25.7'	132°06'	585m	79
843.	71°14.7'	131°54.8'	104m	80
844.	71°03.5'	131°42.7'	62m	81
845.	70°56.5'	131°24.7'	54m	82
846.	70°41.3'	130°52.1'	33m	83
847.	70°31.8'	130°41.6'	25m	84
848.	70°22.4'	130°31.0'	18m	85
849.	71°25.2'	129°27.3'	69m	91
850.	71°17.5'	129°10.6'	47m	92
851.	71°07.9'	128°59.1'	40m	93
852.	71°01'	128°49.5'	40m	94
853.	69°56.5'	134°33'	16m	95
854.	69°51'	135°20'	16m	96
855.	71°38.0'	129°50.0'	286m	