**Appendix 1:** Bathymetric and geographic distribution of species

St. No.: station number; R 1: region 1; R 2: region 2; Depth: water depth of sampling station; n: specimen count per station.

R 1 terms: NEI: Northeast Iceland; SI: South Iceland; SWI: Southwest Iceland; WI: West Iceland. R 2 terms: DS: Denmark Strait; FP: Faroe Plateau; FSC: Faroe-Shetland Channel; IcB: Iceland Basin; IFR: Iceland-Faroe Ridge; IrB: Irminger Basin; IP: Iceland Plateau; NS: Norwegian Sea; RR: Reykjanes Ridge. Depth Category: Upper Slope: 0–750 m; Mid Slope: 751–1500 m; Low Slope: 1501–2000 m; Continental Rise: 2001–3000 m; following Ostmann et al. (2014).

Remark: *Cytheropteron* excluded; see Jöst et al. (2018).

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Acanthocythereis dunelmensis* | 867 | EF | FSC | Upper Slope | 301.6 | 3 |
| 882 | NWF | IFR | Upper Slope | 440 | 11 |
| 1035 | SI | IP | Upper Slope | 306.7 | 23 |
| 2220 | WI | IP | Upper Slope | 241 | 1 |
| 2416 | SWI | IP | Upper Slope | 287 | 9 |
| 2866 | WI | IP | Upper Slope | 215 | 32 |
| 3031 | SEI | IP | Upper Slope | 144 | 39 |
| *Ambocythere caudata* | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 17 |
| *Ambocythere* sp. A *sensu* Yasuhara et al., 2014 | 866 | EF | FSC | Upper Slope | 168.5 | 2 |
| 959 | SI | IcB | Continental Rise | 2749 | 6 |
| 971 | SI | IcB | Continental Rise | 2670.1 | 1 |
| 974 | SI | IcB | Continental Rise | 2562.9 | 1 |
| 987 | SI | IcB | Continental Rise | 2493.3 | 2 |
| 1004 | SI | IP | Mid Slope | 1392.2 | 2 |
| 1014 | SI | IP | Mid Slope | 911.8 | 3 |
| 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 1 |
| *Arcacythere enigmatica* | 959 | SI | IcB | Continental Rise | 2749 | 1 |
| 971 | SI | IcB | Continental Rise | 2670.1 | 12 |
| 974 | SI | IcB | Continental Rise | 2562.9 | 18 |
| 987 | SI | IcB | Continental Rise | 2493.3 | 1 |
| 1050 | SWI | IrB | Continental Rise | 2547.5 | 122 |
| 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
| 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 9 |
| *Argilloecia abba* | 1065 | SWI | RR | Low Slope | 1618.9 | 6 |
| *Argilloecia acuminata* | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
| 959 | SI | IcB | Continental Rise | 2749 | 1 |
| 1004 | SI | IP | Mid Slope | 1392.2 | 2 |
| 1035 | SI | IP | Upper Slope | 306.7 | 3 |
| 1038 | WI | IP | Upper Slope | 214.8 | 1 |
| 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
| 1062 | SWI | IrB | Low Slope | 1927.4 | 3 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 5 |
| 1114 | EG | DS | Upper Slope | 684.1 | 2 |
| 1115 | EG | DS | Upper Slope | 684.3 | 2 |
| 1139 | EG | DS | Mid Slope | 1238.2 | 2 |
| 2866 | WI | IP | Upper Slope | 215 | 1 |
| *Argilloecia bensoni* | 1004 | SI | IP | Mid Slope | 1392.2 | 4 |
| 1014 | SI | IP | Mid Slope | 911.8 | 3 |
| 1050 | SWI | IrB | Continental Rise | 2547.5 | 9 |
| 1062 | SWI | IrB | Low Slope | 1927.4 | 5 |
| 1065 | SWI | RR | Low Slope | 1618.9 | 6 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 29 |
| *Argilloecia* cf. *conoidea* | 869 | EF | FSC | Mid Slope | 845.4 | 4 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 2 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Argilloecia* cf. *conoidea* continued | 1004 | SI | IP | Mid Slope | 1392.2 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 2 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 6 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 7 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 25 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 1 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 6 |
|  | 1140 | EG | DS | Mid Slope | 1240.7 | 3 |
|  | 1151 | NEI | NS | Continental Rise | 2219.7 | 2 |
|  | 1162 | NEI | NS | Low Slope | 1962.3 | 5 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 2 |
| *Argilloecia robinwhatleyi* | 870 | EF | FSC | Mid Slope | 1056.4 | 2 |
| 872 | EF | FSC | Low Slope | 1868.2 | 4 |
| 873 | SEF | FP | Mid Slope | 833.6 | 2 |
| 879 | NWF | IFR | Upper Slope | 509.5 | 3 |
| 880 | NWF | IFR | Upper Slope | 683 | 2 |
| 881 | NWF | IFR | Mid Slope | 1043 | 2 |
| 882 | NWF | IFR | Upper Slope | 440 | 6 |
| 971 | SI | IcB | Continental Rise | 2670.1 | 3 |
| 974 | SI | IcB | Continental Rise | 2562.9 | 1 |
| 987 | SI | IcB | Continental Rise | 2493.3 | 1 |
| 1004 | SI | IP | Mid Slope | 1392.2 | 2 |
| 1038 | WI | IP | Upper Slope | 214.8 | 1 |
| 1050 | SWI | IrB | Continental Rise | 2547.5 | 4 |
| 1062 | SWI | IrB | Low Slope | 1927.4 | 4 |
| 1065 | SWI | RR | Low Slope | 1618.9 | 3 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 5 |
| 1128 | EG | DS | Upper Slope | 320.4 | 1 |
| 1151 | NEI | NS | Continental Rise | 2219.7 | 4 |
| 1162 | NEI | NS | Low Slope | 1962.3 | 3 |
| 1175 | NEI | NS | Low Slope | 1710.1 | 2 |
| 1187 | NEI | NS | Low Slope | 1581.7 | 7 |
| 1215 | EI | NS | Upper Slope | 732.5 | 15 |
| 2866 | WI | IP | Upper Slope | 215 | 1 |
| *Argilloecia* sp. 1 | 1075 | SWI | RR | Mid Slope | 1175.2 | 14 |
| *Argilloecia* sp. 2 | 1075 | SWI | RR | Mid Slope | 1175.2 | 6 |
| *Argilloecia* sp. 3 | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| *Argilloecia* sp. 4 | 1139 | EG | DS | Mid Slope | 1238.2 | 1 |
| *Argilloecia* sp. 5 | 1075 | SWI | RR | Mid Slope | 1175.2 | 1 |
| *Argilloecia* spp. | 1114 | EG | DS | Upper Slope | 684.1 | 1 |
|  | 1127 | EG | DS | Upper Slope | 320 | 1 |
| *Australoecia posteroacuta* | 959 | SI | IcB | Continental Rise | 2749 | 3 |
| 1114 | EG | DS | Upper Slope | 684.1 | 2 |
| 1128 | EG | DS | Upper Slope | 320.4 | 3 |
| 1215 | EI | NS | Upper Slope | 732.5 | 2 |
| *Aversovalva hydrodynamica* s. l. | 1004 | SI | IP | Mid Slope | 1392.2 | 2 |
| 1050 | SWI | IrB | Continental Rise | 2547.5 | 6 |
| 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
| 1065 | SWI | RR | Low Slope | 1618.9 | 8 |
| 1075 | SWI | RR | Mid Slope | 1175.2 | 38 |
| *Baffinicythere howei* | 3031 | SEI | IP | Upper Slope | 144 | 7 |
| *Bairdoppilata* cf. *victrix*  | 1004 | SI | IP | Mid Slope | 1392.2 | 5 |
|  | 1014 | SI | IP | Mid Slope | 911.8 | 12 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 8 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 4 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 198 |
| *Bradleya mesembrina* | 959 | SI | IcB | Continental Rise | 2749 | 1 |
| *Buntonia radiatopora* | 1075 | SWI | RR | Mid Slope | 1175.2 | 4 |
| *Buntonia textilis* | 1004 | SI | IP | Mid Slope | 1392.2 | 16 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 2 |
| *Bythocypris affinis* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 9 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 7 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 7 |
| *Bythocythere bathytatos* | 1062 | SWI | IrB | Low Slope | 1927.4 | 3 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Bythocythere constricta* | 873 | SEF | FP | Mid Slope | 833.6 | 1 |
|  | 880 | NWF | IFR | Upper Slope | 683 | 1 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 1 |
|  | 1127 | EG | DS | Upper Slope | 320 | 9 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 3 |
| *Celtia quadridentata* | 866 | EF | FSC | Upper Slope | 168.5 | 13 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 2 |
| *Cluthia cluthae* | 882 | NWF | IFR | Upper Slope | 440 | 3 |
|  | 1127 | EG | DS | Upper Slope | 320 | 8 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 8 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 26 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 16 |
| *Cluthia whatleyi* | 974 | SI | IcB | Continental Rise | 2562.9 | 2 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 3 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 8 |
|  | 1140 | EG | DS | Mid Slope | 1240.7 | 2 |
|  | 1151 | NEI | NS | Continental Rise | 2219.7 | 2 |
|  | 1177 | NEI | NS | Low Slope | 1820 | 1 |
| *Cythere lutea* | 867 | EF | FSC | Upper Slope | 301.6 | 1 |
|  | 868 | EF | FSC | Upper Slope | 588.4 | 2 |
| *Cytherella* cf. *scotica* | 3031 | SEI | IP | Upper Slope | 144 | 4 |
| *Cytherella robusta* | 882 | NWF | IFR | Upper Slope | 440 | 2 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 2 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 2 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 5 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 9 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 3 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 3 |
|  | 2416 | SWI | IP | Upper Slope | 287 | 29 |
| *Cytherella* sp. 1 | 1004 | SI | IP | Mid Slope | 1392.2 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 1 |
| *Echinocythereis echinata* | 959 | SI | IcB | Continental Rise | 2749 | 2 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 2 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 3 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 7 |
|  | 1014 | SI | IP | Mid Slope | 911.8 | 3 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 39 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 8 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 13 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 80 |
| *Elofsonella concinna* | 866 | EF | FSC | Upper Slope | 301.6 | 2 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 13 |
|  | 868 | EF | FSC | Upper Slope | 588.4 | 2 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| *Elofsonia pusilla* | 867 | EF | FSC | Upper Slope | 301.6 | 4 |
| *Eucythere argus sensu* Whatley et al., 1998 & *sensu* Horne & Rosenfeld, 1986 (marked \*) | 866 | EF | FSC | Upper Slope | 301.6 | 3 |
| 871 | EF | FSC | Low Slope | 1568.7 | 2 |
|  | 873 | SEF | FP | Mid Slope | 833.6 | 2 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 6 |
|  | 1062 \* | SWI | IrB | Low Slope | 1927.4 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 4 |
|  | 1162 | NEI | NS | Low Slope | 1962.3 | 24 |
|  | 1164 | NEI | NS | Continental Rise | 2403.1 | 6 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 6 |
|  | 2866 | WI | IP | Upper Slope | 215 | 1 |
| *Eucythere circumcostata* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
| *Eucythere hyboma* | 867 | EF | FSC | Upper Slope | 301.6 | 1 |
| *Eucythere multipunctata* | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 2 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 5 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| *Eucythere pubera* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 6 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 4 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Eucythere triangula* | 974 | SI | IcB | Continental Rise | 2562.9 | 1 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 38 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 5 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 2 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 2 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 28 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 35 |
|  | 1162 | NEI | NS | Low Slope | 1962.3 | 5 |
|  | 2416 | SWI | IP | Upper Slope | 287 | 19 |
| *Eucythere* sp. A *sensu* Yasuhara & Okahashi, 2014 | 868 | EF | FSC | Upper Slope | 588.4 | 1 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
|  | 882 | NWF | IFR | Upper Slope | 440 | 3 |
| *Eucytherura calabra* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 9 |
| *Eucytherura delineata* | 1114 | EG | DS | Upper Slope | 684.1 | 7 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 46 |
|  | 1127 | EG | DS | Upper Slope | 320 | 60 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 30 |
| *Eucytherura* sp. 1 | 866 | EF | FSC | Upper Slope | 168.5 | 1 |
|  | 1065 | SWI | RR | Low Slope | 684.3 | 1 |
| *Eucytherura* sp. 2 | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
| *Eucytherura* sp. 3 | 1075 | SWI | RR | Mid Slope | 1175.2 | 3 |
| *Finmarchinella angulata* | 866 | EF | FSC | Upper Slope | 301.6 | 2 |
| *Finmachinella finmarchica* | 3031 | SEF | IP | Upper Slope | 144 | 13 |
| *Hemicytherura clathrata* | 866 | EF | FSC | Upper Slope | 168.5 | 1 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 32 |
| *Henryhowella asperrima* | 871 | EF | FSC | Low Slope | 1568.7 | 28 |
|  | 872 | EF | FSC | Low Slope | 1868.2 | 41 |
|  | 959 | SI | IcB | Continental Rise | 2749 | 6 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 33 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 28 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 21 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 4 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 83 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 24 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 37 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 175 |
|  | 1151 | NEI | NS | Continental Rise | 2219.7 | 72 |
|  | 1162 | NEI | NS | Low Slope | 1962.3 | 62 |
|  | 1164 | NEI | NS | Continental Rise | 2403.1 | 40 |
|  | 1175 | NEI | NS | Low Slope | 1710.1 | 64 |
|  | 1177 | NEI | NS | Low Slope | 1820 | 118 |
|  | 1187 | NEI | NS | Low Slope | 1581.7 | 12 |
| *Heterocyprideis fascis* | 867 | EF | FSC | Upper Slope | 301.6 | 3 |
|  | 868 | EF | FSC | Upper Slope | 588.4 | 10 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
| *Kangarina abyssicola* | 867 | EF | FSC | Upper Slope | 301.6 | 2 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 3 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 3 |
| *Krithe aequabilis* | 971 | SI | IcB | Continental Rise | 2670.1 | 1 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 10 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 6 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 5 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 153 |
| *Krithe ayressi* s. l. | 959 | SI | IcB | Continental Rise | 2749 | 47 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 25 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 21 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 18 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 28 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 146 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 23 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 28 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Krithe ayressi* s. l. continued | 1075 | SWI | RR | Mid Slope | 1175.2 | 157 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 46 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 9 |
|  | 2220 | WI | IP | Upper Slope | 241 | 12 |
|  | 2416 | SWI | IP | Upper Slope | 287 | 348 |
|  | 2866 | WI | IP | Upper Slope | 215 | 80 |
| *Krithe dolichodeira* | 959 | SI | IcB | Continental Rise | 2749 | 9 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 6 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 16 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 13 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 3 |
|  | 1014 | SI | IP | Mid Slope | 911.8 | 74 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 42 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 6 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 50 |
| *Krithe glacialis* | 869 | EF | FSC | Mid Slope | 845.4 | 3 |
|  | 881 | NWF | IFR | Mid Slope | 1043 | 1 |
|  | 1114 | EG | DS | Upper Slope | 684.1 | 2 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 5 |
|  | 1127 | EG | DS | Upper Slope | 320 | 2 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 7 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 18 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 2 |
| *Krithe hunti* | 868 | EF | FSC | Upper Slope | 588.4 | 1 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 41 |
|  | 870 | EF | FSC | Mid Slope | 1056.4 | 28 |
|  | 871 | EF | FSC | Low Slope | 1568.7 | 38 |
|  | 872 | EF | FSC | Low Slope | 1868.2 | 87 |
|  | 873 | SEF | FP | Mid Slope | 833.6 | 19 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
|  | 880 | NWF | IFR | Upper Slope | 683 | 2 |
|  | 881 | NWF | IFR | Mid Slope | 1043 | 8 |
|  | 882 | NWF | IFR | Upper Slope | 440 | 7 |
|  | 1139 | EG | DS | Mid Slope | 1238.2 | 2 |
|  | 1140 | EG | DS | Mid Slope | 1240.7 | 1 |
|  | 1162 | NEI | NS | Low Slope | 1962.3 | 137 |
|  | 1175 | NEI | NS | Low Slope | 1710.1 | 60 |
|  | 1177 | NEI | NS | Low Slope | 1820 | 45 |
|  | 1187 | NEI | NS | Low Slope | 1581.7 | 5 |
| *Krithe minima* | 871 | EF | FSC | Low Slope | 1568.7 | 20 |
|  | 872 | EF | FSC | Low Slope | 1868.2 | 28 |
|  | 881 | NWF | IFR | Mid Slope | 1043 | 2 |
|  | 959 | SI | IcB | Continental Rise | 2749 | 5 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 10 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 17 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 7 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 31 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 25 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 7 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
|  | 1151 | NEI | NS | Continental Rise | 2219.7 | 7 |
|  | 1162 | NEI | NS | Low Slope | 1962.3 | 22 |
|  | 1164 | NEI | NS | Continental Rise | 2403.1 | 65 |
|  | 1175 | NEI | NS | Low Slope | 1710.1 | 14 |
|  | 1177 | NEI | NS | Low Slope | 1820 | 23 |
|  | 1187 | NEI | NS | Low Slope | 1581.7 | 3 |
| *Krithe morkhoveni/trinidadensis* | 959 | SI | IcB | Continental Rise | 2749 | 21 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 7 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 8 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 8 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 35 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
| *Krithe pernoides sinuosa* | 959 | SI | IcB | Continental Rise | 2749 | 4 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 1 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 1 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Krithe pernoides sinuosa* continued | 1050 | SWI | IrB | Continental Rise | 2547.5 | 5 |
| *Krithe* sp. 1 | 867 | EF | FSC | Upper Slope | 301.6 | 1 |
| *Legitimocythere acanthoderma* | 959 | SI | IcB | Continental Rise | 2749 | 2 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 6 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 6 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 5 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 19 |
| *Loxoconcha* sp. 1 | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 1 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 4 |
| *Macrocypris* sp. 1 | 1038 | WI | IP | Upper Slope | 214.8 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 3 |
| *Microcythere* sp. 1 | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
| *Muellerina abyssicola* | 867 | EF | FSC | Upper Slope | 301.6 | 63 |
|  | 868 | EF | FSC | Upper Slope | 588.4 | 61 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 34 |
|  | 870 | EF | FSC | Mid Slope | 1056.4 | 10 |
|  | 871 | EF | FSC | Low Slope | 1568.7 | 1 |
|  | 873 | SEF | FP | Mid Slope | 833.6 | 1 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 42 |
|  | 880 | NWF | IFR | Upper Slope | 683 | 5 |
|  | 882 | NWF | IFR | Upper Slope | 440 | 11 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 1437 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 73 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 4 |
|  | 1114 | EG | DS | Upper Slope | 684.1 | 19 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 36 |
|  | 1127 | EG | DS | Upper Slope | 320 | 31 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 37 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 5 |
|  | 2220 | WI | IP | Upper Slope | 241 | 165 |
|  | 2416 | SWI | IP | Upper Slope | 287 | 593 |
|  | 2866 | WI | IP | Upper Slope | 215 | 248 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 614 |
| *Nipponocythere* sp. 1 | 1004 | SI | IP | Mid Slope | 1392.2 | 2 |
| *Normanicythere leioderma* | 867 | EF | FSC | Upper Slope | 301.6 | 28 |
|  | 868 | EF | FSC | Upper Slope | 588.4 | 12 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 2 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
|  | 2220 | WI | IP | Upper Slope | 241 | 1 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 11 |
| *Palmenella limicola* | 867 | EF | FSC | Upper Slope | 301.6 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 2 |
|  | 2416 | SWI | IP | Upper Slope | 287 | 2 |
|  | 2866 | WI | IP | Upper Slope | 215 | 3 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 18 |
| *Palmoconcha guttata* | 866 | EF | FSC | Upper Slope | 301.6 | 5 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 2 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 1 |
| *Paracytherois* cf. *bondi* | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
|  | 870 | EF | FSC | Mid Slope | 1056.4 | 1 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 1 |
|  | 1127 | EG | DS | Upper Slope | 320 | 2 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 1 |
|  | 1151 | NEI | NS | Continental Rise | 2219.7 | 4 |
|  | 1164 | NEI | NS | Continental Rise | 2403.1 | 2 |
|  | 1187 | NEI | NS | Low Slope | 1581.7 | 2 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 5 |
| *Paracytherois flexuosa* | 1115 | EG | DS | Upper Slope | 684.3 | 1 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 4 |
| *Paracytherois* cf. *productum* | 869 | EF | FSC | Mid Slope | 845.4 | 5 |
|  | 870 | EF | FSC | Mid Slope | 1056.4 | 1 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 2 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 8 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Paracytherois* cf. *productum* continued | 1075 | SWI | RR | Mid Slope | 1175.2 | 3 |
| *Paradoxostoma* sp. 1 | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
| *Parahemingwayella tetrapteron* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 2 |
| *Parahemingwayella* sp. 1 | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
| *Parakrithe* sp. 1 | 1004 | SI | IP | Mid Slope | 1392.2 | 8 |
| *Pedicythere arctica* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
| *Pedicythere kennettopetasi* | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
| *Pelecocythere sylvesterbradlyi* | 971 | SI | IcB | Continental Rise | 2670.1 | 1 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 1 |
| *Pennyella rexi* | 959 | SI | IcB | Continental Rise | 2749 | 22 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 12 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 4 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 7 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 15 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 15 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 1 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 39 |
| *Pennyella majorani* | 1075 | SWI | RR | Mid Slope | 1175.2 | 16 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 2 |
| *Polycope bireticulata*  | 870 | EF | FSC | Mid Slope | 1056.4 | 2 |
| 873 | SEF | FP | Mid Slope | 833.6 | 2 |
| 879 | NWF | IFR | Upper Slope | 509.5 | 6 |
| 880 | NWF | IFR | Upper Slope | 683 | 4 |
| 881 | NWF | IFR | Mid Slope | 1043 | 5 |
| 882 | NWF | IFR | Upper Slope | 440 | 6 |
| 1115 | EG | DS | Upper Slope | 684.3 | 3 |
|  | 1139 | EG | DS | Mid Slope | 1238.2 | 10 |
|  | 1187 | NEI | NS | Low Slope | 1581.7 | 2 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 13 |
| *Polycope* cf. *moenia* | 1114 | EG | DS | Upper Slope | 684.1 | 1 |
| *Polycope orbicularis* s. l.  | 869 | EF | FSC | Mid Slope | 845.4 | 5 |
| 870 | EF | FSC | Mid Slope | 1056.4 | 4 |
| 873 | SEF | FP | Mid Slope | 833.6 | 25 |
| 879 | NWF | IFR | Upper Slope | 509.5 | 2 |
| 880 | NWF | IFR | Upper Slope | 683 | 2 |
| 959 | SI | IcB | Continental Rise | 2749 | 2 |
| 1038 | WI | IP | Upper Slope | 214.8 | 78 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 5 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 14 |
|  | 1114 | EG | DS | Upper Slope | 684.1 | 10 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 7 |
|  | 1127 | EG | DS | Upper Slope | 320 | 1 |
|  | 1139 | EG | DS | Mid Slope | 1238.2 | 4 |
|  | 1140 | EG | DS | Mid Slope | 1240.7 | 4 |
|  | 1187 | NEI | NS | Low Slope | 1581.7 | 3 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 2 |
| *Propontocypris acuminata* | 866 | EF | FSC | Upper Slope | 301.6 | 1 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 2 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 2 |
|  | 870 | EF | FSC | Mid Slope | 1056.4 | 2 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
|  | 959 | SI | IcB | Continental Rise | 2749 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 2 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 14 |
| *Propontocypris trigonella* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 3 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 3 |
| *Propontocypris* spp. | 1075 | SWI | RR | Mid Slope | 1175.2 | 1 |
|  | 880 | NWF | IFR | Upper Slope | 683 | 3 |
|  | 1139 | EG | DS | Mid Slope | 1238.2 | 1 |
| *Poseidonamicus major* | 1062 | SWI | IrB | Low Slope | 1927.4 | 2 |
| *Pseudobosquetina mucronalata* | 1050 | SWI | IrB | Continental Rise | 2547.5 | 11 |
| *Pseudocythere caudata* | 868 | EF | FSC | Upper Slope | 588.4 | 1 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 1 |
|  | 870 | EF | FSC | Mid Slope | 1056.4 | 4 |
|  | 871 | EF | FSC | Low Slope | 1568.7 | 2 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Pseudocythere caudata* continued | 872 | EF | FSC | Low Slope | 1868.2 | 2 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 1 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 3 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 1 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 9 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 4 |
|  | 1114 | EG | DS | Upper Slope | 684.1 | 2 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 19 |
|  | 1127 | EG | DS | Upper Slope | 320 | 15 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 10 |
|  | 1139 | EG | DS | Mid Slope | 1238.2 | 2 |
|  | 1177 | NEI | NS | Low Slope | 1820 | 4 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 2 |
| *Pterygocythereis mucronata* | 866 | EF | FSC | Upper Slope | 168.5 | 6 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 8 |
|  | 871 | EF | FSC | Low Slope | 1568.7 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 445 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 100 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 10 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 2 |
|  | 2220 | WI | IP | Upper Slope | 241 | 8 |
|  | 2416 | SWI | IP | Upper Slope | 287 | 336 |
|  | 2866 | WI | IP | Upper Slope | 144 | 49 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 21 |
| *Rabilimis mirabilis*  | 867 | EF | FSC | Upper Slope | 301.6 | 6 |
| *Retibythere scaberrima* | 869 | EF | FSC | Mid Slope | 845.4 | 1 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 3 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 2 |
| *Robertsonites tuberculatus* | 867 | EF | FSC | Upper Slope | 301.6 | 2 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 600 |
| *Ruggieriella* sp. 1 | 1014 | SI | IP | Mid Slope | 911.8 | 1 |
| *Rugocythereis horrida* | 959 | SI | IcB | Continental Rise | 2749 | 2 |
|  | 971 | SI | IcB | Continental Rise | 2670.1 | 12 |
|  | 974 | SI | IcB | Continental Rise | 2562.9 | 12 |
|  | 987 | SI | IcB | Continental Rise | 2493.3 | 14 |
|  | 1004 | SI | IP | Mid Slope | 1392.2 | 7 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 63 |
|  | 1062 | SWI | IrB | Low Slope | 1927.4 | 6 |
|  | 1065 | SWI | RR | Low Slope | 1618.9 | 18 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 197 |
| *Sagmatocythere multifora* | 866 | EF | FSC | Upper Slope | 301.6 | 3 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 4 |
|  | 869 | EF | FSC | Mid Slope | 845.4 | 1 |
| *Sarsicytheridea bradii* | 3031 | SEI | IP | Upper Slope | 144 | 38 |
| *Sarsicytheridea punctillata* | 866 | EF | FSC | Upper Slope | 301.6 | 1 |
|  | 867 | EF | FSC | Upper Slope | 301.6 | 13 |
|  | 868 | EF | FSC | Upper Slope | 588.4 | 2 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 11 |
| *Sarsicytheridea* spp. | 868 | EF | FSC | Upper Slope | 588.4 | 2 |
| *Sclerochilus* sp. 1 | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
|  | 1038 | WI | IP | Upper Slope | 214.8 | 1 |
|  | 1114 | EG | DS | Upper Slope | 684.1 | 2 |
| *Semicytherura* sp. 1 | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 1 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 3 |
| *Swainocythere nanseni* | 869 | EF | FSC | Mid Slope | 845.4 | 2 |
| *Thaerocythere crenulata* | 868 | EF | FSC | Upper Slope | 588.4 | 10 |
|  | 879 | NWF | IFR | Upper Slope | 509.5 | 6 |
|  | 882 | NWF | IFR | Upper Slope | 440 | 1 |
|  | 1035 | SI | IP | Upper Slope | 306.7 | 5 |
|  | 1114 | EG | DS | Upper Slope | 684.1 | 1 |
|  | 1115 | EG | DS | Upper Slope | 684.3 | 6 |
|  | 1127 | EG | DS | Upper Slope | 320 | 110 |
|  | 1128 | EG | DS | Upper Slope | 320.4 | 63 |
|  | 1215 | EI | NS | Upper Slope | 732.5 | 4 |
|  | 3031 | SEI | IP | Upper Slope | 144 | 178 |
| *Xestoleberis profundis* | 1035 | SI | IP | Upper Slope | 306.7 | 1 |
| **Appendix 1** continued |  |  |  |  |  |  |
| Taxon | St. No. | R 1 | R 2 | Depth Category | Depth [m] | n |
| *Xestoleberis profundis* continued | 1050 | SWI | IrB | Continental Rise | 2547.5 | 6 |
| *Xestoleberis* sp. A *sensu* Yasuhara & Okahashi, 2014 | 869 | EF | FSC | Mid Slope | 845.4 | 3 |
|  | 1050 | SWI | IrB | Continental Rise | 2547.5 | 1 |
|  | 1075 | SWI | RR | Mid Slope | 1175.2 | 1 |