

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference | |
|------|--|---------------------|----------------|---|-----------|-----------|-------------------------------------|---------------------|---------------------|---------------------|---|---|---|
| 3247 | Acquasparta (along road to Massa Martana) | Acquasparta | Italy | | 42.707778 | 12.552333 | late Villafranchian | 2 | 1.1 | | Pleistocene | Eus., D., Girotti, O. 1975. La malacoafanca continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. | |
| 3248 | Acquasparta (NE of km 32, below Chiesa di Santa Lucia di Burchiano) | Acquasparta | Italy | | 42.707778 | 12.552333 | late Villafranchian | 2 | 1.1 | | Pleistocene | Eus., D., Girotti, O. 1975. La malacoafanca continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. | |
| 3249 | Acquasparta (Via Tiberna, km 32.700) | Acquasparta | Italy | | 42.710556 | 12.549556 | late Villafranchian | 2 | 1.1 | | Pleistocene | Eus., D., Girotti, O. 1975. La malacoafanca continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. | |
| 3330 | Adelsheim (Adelsheim, eastern part of the city) | Adeleheim | Germany | | 49.402305 | 9.401456 | upper Alluvial (Holocene) | 0.00585 | 0 | | Holocene | Ewald, R. 1920. Die fauna des kalksteins von Adelsheim. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereines, Neue Folge, 9, 15-17. | |
| 5200 | Adrov | Belarus | | | 54.465816 | 30.389993 | 2 | Holocene | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 4441 | Adzhkui | Turkmenistan | | | 39.76667 | 54.98333 | 2 | Pleistocene | 0.781 | 0.0117 | Pleistocene | FreshGEN team decision | |
| 132 | Aginares | Aginares | Greece | | 37.770715 | 21.571197 | 4 | Gelasian | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des Pays Helléniques, 28, 299-333. | |
| 4838 | Agios Fokás (Kos Fm., undifferentiated) | Agios Fokás | Greece | Hagiros Foucas near Kos; Kap Phoka | 36.856892 | 27.346601 | Kos Formation (early Pleistocene) | 2.1 | 1.9 | | Pleistocene | Wilmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 170, 10-235. | |
| 3180 | Agios Fokás (samples Ko46-49, Ko156-157, Ko181-183, Ko186, Ko192, Ko195-199 in Wilmann, 1981) | Agios Fokás | Greece | Kap Phoka | 36.866918 | 27.340322 | Setto Formation (early Pleistocene) | 2.3 | 2.1 | | Pleistocene | Wilmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 170, 10-235. | |
| 133 | Agios Georgios (Elos) | Agios Georgios | Greece | Aghios Georgios | 37.703041 | 21.433454 | 2 | Gelasian | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des Pays Helléniques, 28, 299-333. | |
| 5879 | Agiva (dilting holes MS-444, 445, 450, 451) | Agiva | Turkey | Yeşilay | 41.132899 | 29.851011 | 2 | Holocene | 0.0117 | 0 | Holocene | Meric, E., Kerey, E., Tunçgil, C., Ayas, N., Oral, Ç. 2000. Microfauna and Sedimentological Features of the Late Quaternary Sequence of the Yesilay Area (Ayva - NE of Istanbul). Türkiye Jeoloji Bilimleri Geological Bulletin of Turkey, 43 (2), 83-98. | |
| 5925 | Agio (w106, Arvanitiko-Kato Symania section) | Agio | Greece | | 38.263569 | 22.011097 | 1 | Symania Formation | 1.806 | 0.781 | Pleistocene | Eus., D., Girotti, O. 2015. The late Early Pleistocene non-marine molluscan fauna from the Symania Formation (Achaea, Greece), with description of nine new species. Archiv für Molluskenkunde, 144 (1), 65-81. | |
| 5926 | Agio (w57, E-S of Arvanitiko) | Agio | Greece | | 38.255639 | 22.008533 | 1 | Symania Formation | 1.806 | 0.781 | Pleistocene | Eus., D., Girotti, O. 2015. The late Early Pleistocene non-marine molluscan fauna from the Symania Formation (Achaea, Greece), with description of nine new species. Archiv für Molluskenkunde, 144 (1), 65-81. | |
| 5923 | Agio (w59, Arvanitiko-Kato Symania section) | Agio | Greece | | 38.258478 | 22.006078 | 1 | Symania Formation | 1.806 | 0.781 | Pleistocene | Eus., D., Girotti, O. 2015. The late Early Pleistocene non-marine molluscan fauna from the Symania Formation (Achaea, Greece), with description of nine new species. Archiv für Molluskenkunde, 144 (1), 65-81. | |
| 5921 | Agio (w66, S-SW of Neos Erinos) | Agio | Greece | | 38.279311 | 21.996203 | 1 | Symania Formation | 1.806 | 0.781 | Pleistocene | Eus., D., Girotti, O. 2015. The late Early Pleistocene non-marine molluscan fauna from the Symania Formation (Achaea, Greece), with description of nine new species. Archiv für Molluskenkunde, 144 (1), 65-81. | |
| 5923 | Agio (w67, Selanitika section) | Agio | Greece | | 38.278614 | 22.017936 | 1 | Symania Formation | 1.806 | 0.781 | Pleistocene | Eus., D., Girotti, O. 2015. The late Early Pleistocene non-marine molluscan fauna from the Symania Formation (Achaea, Greece), with description of nine new species. Archiv für Molluskenkunde, 144 (1), 65-81. | |
| 5924 | Agio (w76, Kosmaras section) | Agio | Greece | | 38.225092 | 22.044889 | 1 | Symania Formation | 1.806 | 0.781 | Pleistocene | Eus., D., Girotti, O. 2015. The late Early Pleistocene non-marine molluscan fauna from the Symania Formation (Achaea, Greece), with description of nine new species. Archiv für Molluskenkunde, 144 (1), 65-81. | |
| 5680 | Aiad (valley between Miriszó and Marosgombós) | Aiad | Romania | Nagyenyed, Straßburg am Mieresch; Mirásdu, Mireslau; Gömbös | 46.349899 | 23.717795 | Platyceraspis (old boundaries) | 1.806 | 0.0117 | Pleistocene | Wilmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-235. | | |
| 540 | Akra Ágios Fokás | Akra Ágios Fokás | Greece | Phuka (Kos); Phukas (Kos) | 36.859399 | 27.355013 | Phuka to Elia Formation | 3 | 1.4 | Pleistocene | Wilmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-235. | | |
| 550 | Akra Ordhánmos | Akra Ordhánmos | Greece | Orthymnos (Lesbos) | 39.29286 | 25.917335 | 3MN 17 | 2.5 | 1.8 | Pleistocene | Lýras, G.A., van der Geer, A.E. 2007. The Late Pliocene vertebrate fauna of Vatera (Lesvos Island, Greece). Cranium, 24 (2), 11-24. | | |
| 4133 | Alberndorf (station 4 in Frank, 2006) | Alberndorf | Austria | | 48.683889 | 16.113056 | 1 | 0.0285-0.0175 Ma | 0.0285 | 0.0175 | Pleistocene | Frank, C. 2006. Plio-platziense und holozäne Molusken Österreichs. Mittelungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. | |
| 4291 | Alcaraz (3 km S of the town, M1-M7, core AZ in Taylor et al., 1998) | Alcaraz | Spain | | 38.640233 | -2.484109 | 2 | Marl | 0.00529 | 0.0027 | Holocene | Taylor, D.M., Pedley, H.M., Davies, P., Wright, M.W. 1998. Pollen and mollusc records for environmental change in central Spain during the mid- and late Holocene. The Holocene, 8 (5), 605-612, DOI: 10.1016/S0959-2788(98)80002-X. | |
| 552 | Aldeburgh | Aldeburgh | United Kingdom | | 52.152977 | 1.602945 | 2 | Gelasian | 2.13 | 1.88 | Pleistocene | FreshGEN team decision | |
| 553 | Aldeby | Aldeby | United Kingdom | | 52.48403 | 1.60604 | 2 | Ionian | 0.46 | 0.41 | Pleistocene | Loc, J.R., et al. 2004. A new stratigraphy for the glacial deposits around Lowestoft, Great Yarmouth, North Walsingham and Cromer, East Anglia. UK Bulletin of the Geological Society of Norfolk, 53, 3-60. | |
| 4429 | Alderford (S of Alderford Church, foundations of a railway bridge) | Alderford | United Kingdom | | 52.716031 | 1.140219 | 2 | upper Holocene | 0.00585 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142, DOI: 10.1016/S0016-7878(22)80002-X. | |
| 510 | Aleksandrija (Aleksandrija 1 and 2) | Aleksandrija | Belarus | Aleksandrija, Alexandria | 54.334661 | 30.287489 | Alexandrian | 2 | Interglacial | 0.41 | 0.38 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5079 | Alfacs (en Madurga Marco, 1973) | Alfacs | Spain | | 37.239325 | -3.564704 | Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Madurga Marco, C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. | | |
| 3293 | Algheiro (Calà Brona) | Algheiro | Italy | | 40.54333 | 8.32028 | 2 | Pis-Tyrrhenian | 0.38 | 0.26 | Pleistocene | Eus., D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. II Quaternary, 4 (1), 137-150. | |
| 151 | Aléniot | Aléniot | France | | 46.81316 | 4.943926 | 2 | Gelasian | 2.588 | 1.806 | Pleistocene | Schükim, W.R., Püssiger, J.J. 1978. Die Molluskanfauna der Schichten mit Viviparus burgundicus und Pyrgula nodotiana von Montagny-lez-Béziers (Hérault). Mémoires de la Société Préhistorique Française, 10 (1), 121-136. | |
| 4637 | Almelo (Twente-Rijnkanaal, no 14 in van Regteren Altena, 1957) | Almelo | Netherlands | | 52.345223 | 6.62104 | 3 | Tubanian | 0.115 | 0.0117 | Pleistocene | van Regteren Altena, C.O. 1957. Pleistocene Mollusca. In: Excavation at Velsen. Verhandlungen van het Koninklijk Nederlands Geologisch-Mijnbouwkundig Genootschap, Geologische Serie, 17, 121-136. | |
| 5088 | Ambrona (Ambrona-Torralba) | Ambrona | Spain | | 41.147229 | -2.500303 | Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Madurga Marco, C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. | | |
| 566 | Ambrony (Pliocene) | Ambrony | France | | 46.00406 | 5.36107 | 2 | MN 17 | 2.5 | 1.8 | Pleistocene | Ciampi, P., Eus., D. 1996. Non-marine Late Pliocene tubifaciens molluscs of the Crostolo river (Emilia, Northern Italy). Systematics and Paleoecology. Bollettino della Società Paleontologica Italiana, 34 (3), 283-300. | |
| 3305 | Amelia (Le Colonne) | Amelia | Italy | | 42.55233 | 12.41817 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Amelia (Le Colonne), N. 1995. Late-Glacial and Holocene malacofaunas from archaeological sites in the Somme valley (North France). Journal of Archaeological Science, 22, 683-698. | |
| 4098 | Amiens (Béthay-sur-Somme, La Chaussée-Tirancourt le Petit Marais and Les Prés du Mesnil in Limondin, 1995) | Amiens | France | | 49.948629 | 2.150664 | late Glacial to | 0.0147 | 0.0078 | Holocene | Limondin, N. 1995. Late-Glacial and Holocene malacofaunas from archaeological sites in the Somme valley (North France). Journal of Archaeological Science, 22, 683-698. | | |
| 5871 | Amiens (Cagny-Cimetière 93-P1) | Amiens | France | | 49.861025 | 2.339642 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Limondin-Louzonet, N. 2001. Cagny-Cimetière (Somme), profil 1: étude des malacofaunes. Publications du CERP, 99-102. | | |
| 5870 | Amiens (Cagny-la-Garenne II 97-98, prof. I, stratigraphic unis 2, 2DV) | Amiens | France | | 49.852723 | 2.35198 | 3 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Limondin-Louzonet, N. 2001. Les malacofaunes de la séquence fluviatile fine de Cagny-la-Garenne II (Somme). Publications du CERP, 6, 53-58. | |
| 5869 | Amiens (Cagny-la-Garenne II 97-98, prof. I, III, stratigraphic units 5b, 3) | Amiens | France | | 49.85272 | 2.35198 | 3 | MSI 11 | 0.42 | 0.38 | Pleistocene | Limondin-Louzonet, N. 2001. Les malacofaunes de la séquence fluviatile fine de Cagny-la-Garenne II (Somme). Publications du CERP, 6, 53-58. | |
| 4096 | Amiens (Hanges/Somme II.III and Flisecourt in Limondin, 1995) | Amiens | France | | 49.99918 | 2.051396 | late Glacial to | 0.0147 | 0.0078 | Holocene | Limondin, N. 1995. Late-Glacial and Holocene malacofaunas from archaeological sites in the Somme valley (North France). Journal of Archaeological Science, 22, 683-698. | | |
| 5855 | Amiens (Jourdan quarry, Ferme de Grâce, Montières) | Amiens | France | | 49.902589 | 2.236975 | middle Pleistocene to | 0.781 | 0 | Pleistocene | Puisségar, J.-J. 1974. La faune malacologique. Bulletin de l'Association française pour l'étude du quaternaire, 11 (3-4), 147-151, DOI: 10.3406/quaternaire.1974.2151. | | |
| 5854 | Amiens (Masure sandmines-former Sauvage, Ferme de Grâce, Montières) | Amiens | France | | 49.90083 | 2.234832 | middle Pleistocene to | 0.781 | 0 | Pleistocene | Puisségar, J.-J. 1974. La faune malacologique. Bulletin de l'Association française pour l'étude du quaternaire, 11 (3-4), 147-151, DOI: 10.3406/quaternaire.1974.2151. | | |
| 4106 | Amiens (Saint-Acheul) | Amiens | France | | 49.877853 | 2.330307 | 2 | MSI 11 | 0.42 | 0.38 | Pleistocene | Limondin, N. 1995. Late-Glacial and Holocene malacofaunas from northern France. Boeves, 25 (5), 622-632. | |
| 4097 | Amiens (Saleux Les Coutures/La Vierge Catherine in Limondin, 1995) | Amiens | France | | 49.860254 | 2.237838 | late Pleistocene to | 0.0147 | 0.0078 | Holocene | Archaeological Science, 22, 683-698. | | |
| 4627 | Amsterdam (Haarlemmermeer polder, 3 in Meijer, 1973) | Amsterdam | Netherlands | | 52.31769 | 4.683518 | late Pleistocene to | 0.126 | 0 | Pleistocene | Meijer, T. 1973. De land- en zoetwatermollusken van de opgespoten terrassen in het Noordzeekanaalgebied en de Zaanstreek (Nederland, Provincie Noord-Holland). Mededelingen van de Werkgroep voor Tertiair en Kwartair Geologie, 10 (4), 139-169. | | |
| 4623 | Amsterdam (IJmuiden, 4 in Meijer, 1973) | Amsterdam | Netherlands | | 52.457193 | 4.605237 | late Pleistocene to | 0.126 | 0 | Pleistocene | Meijer, T. 1973. De land- en zoetwatermollusken van de opgespoten terrassen in het Noordzeekanaalgebied en de Zaanstreek (Nederland, Provincie Noord-Holland). Mededelingen van de Werkgroep voor Tertiair en Kwartair Geologie, 10 (4), 139-169. | | |
| 4624 | Amsterdam (Muiden, Muidzand, 5 in Meijer, 1973) | Amsterdam | Netherlands | | 52.337623 | 5.075559 | late Pleistocene to | 0.126 | 0 | Pleistocene | Meijer, T. 1973. De land- en zoetwatermollusken van de opgespoten terrassen in het Noordzeekanaalgebied en de Zaanstreek (Nederland, Provincie Noord-Holland). Mededelingen van de Werkgroep voor Tertiair en Kwartair Geologie, 10 (4), 139-169. | | |
| 4621 | Amsterdam (Noordzeekanaal, 2a-b in Meijer, 1973) | Amsterdam | Netherlands | | 52.399179 | 4.798467 | late Pleistocene to | 0.126 | 0 | Pleistocene | Meijer, T. 1973. De land- en zoetwatermollusken van de opgespoten terrassen in het Noordzeekanaalgebied en de Zaanstreek (Nederland, Provincie Noord-Holland). Mededelingen van de Werkgroep voor Tertiair en Kwartair Geologie, 10 (4), 139-169. | | |
| 4620 | Amsterdam (Skoterplas, Surinameplein, 1 in Meijer, 1973) | Amsterdam | Netherlands | | 52.358805 | 4.84783 | late Pleistocene to | 0.126 | 0 | Pleistocene | Meijer, T. 1973. De land- en zoetwatermollusken van de opgespoten terrassen in het Noordzeekanaalgebied en de Zaanstreek (Nederland, Provincie Noord-Holland). Mededelingen van de Werkgroep voor Tertiair en Kwartair Geologie, 10 (4), 139-169. | | |
| 4631 | Amsterdam (Velsen samples 1-12 in van Regteren Altena, 1957) | Amsterdam | Netherlands | | 52.462082 | 4.630659 | 2 | Tubanian | 0.115 | 0.0117 | Pleistocene | Mijnbaukundig Genootschap, Geologische Serie, 17, 121-131. | |
| 4630 | Amsterdam (Velsen samples 13-16 in van Regteren Altena, 1957) | Amsterdam | Netherlands | | 52.462082 | 4.630659 | 2 | Ferronian | 0.125 | 0.115 | Pleistocene | Meijer, T. 1973. The Pliocene Mollusca. In: Excavation at Velsen. Verhandlungen van het Koninklijk Nederlands Geologisch-Mijnbouwkundig Genootschap, Geologische Serie, 17, 121-131. | |
| 4625 | Amsterdam (Wijde Wormer, 6 in Meijer, 1973) | Amsterdam | Netherlands | | 52.472408 | 4.854536 | 2 | Holocene | 0.126 | 0 | Pleistocene | Meijer, T. 1973. The land- and zoetwatermollusks of the Wijde Wormer for Tertiair en Kwartair Geologie, 10 (4), 139-169. | |
| 4626 | Amsterdam (Zanddam, 7 in Meijer, 1973) | Amsterdam | Netherlands | | 52.441437 | 4.832287 | 2 | Holocene | 0.126 | 0 | Pleistocene | Meijer, T. 1973. The land- and zoetwatermollusks of the Wijde Wormer for Tertiair en Kwartair Geologie, 10 (4), 139-169. | |
| 3820 | Angelokastro | Angelokastro | Greece | Angelokastro; Aggelokastro | 38.56667 | 21.3 | 2 | Pleistocene | 0.588 | 1.806 | Pleistocene | Drouotos, T., Kontopoulos, N., Frydas, D. 1987. Neotectonic evolution of northwestern continental Greece. Geologische Rundschau, 76 (2), 433-450. | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|-----------------------|----------------|---|-----------|-----------|---|-------------------|---------------------|---------------------|-------------|---|
| 3505 | Amières (Hauts-Monts, station 37 in Favre, 1927) | Amières | Switzerland | | 46.281 | 6.224271 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. |
| 3504 | Amières (in front of the marina, station 36d in Favre, 1927) | Amières | Switzerland | | 46.278205 | 6.221416 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. |
| 3491 | Amières (W of villa La Falaise, station 33 in Favre, 1927) | Amières | Switzerland | | 46.294067 | 6.238849 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. |
| 2268 | Anney (Annecy-sa) | Annecy | France | | 45.867987 | 6.153503 | 2Subatlantic | | 0.0028 | 0 | Holocene | Mouthon, J., Magny, M. 2004. Molluscological history of Lake Annecy (France): a comparison of Late Holocene (since 4700 BC) and present mollusc assemblages. Archiv für Hydrobiologie, 160 (4), 555-573. |
| 2267 | Anney (Annecy-sb) | Annecy | France | | 45.867987 | 6.153503 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Mouthon, J., Magny, M. 2004. Molluscological history of Lake Annecy (France): a comparison of Late Holocene (since 4700 BC) and present mollusc assemblages. Archiv für Hydrobiologie, 160 (4), 555-573. |
| 2266 | Anney (Annecy-ya) | Annecy | France | | 45.867987 | 6.153503 | 2late Atlantic | | 0.0067 | 0.0056 | Holocene | Mouthon, J., Magny, M. 2004. Molluscological history of Lake Annecy (France): a comparison of Late Holocene (since 4700 BC) and present mollusc assemblages. Archiv für Hydrobiologie, 160 (4), 555-573. |
| 572 | Antimácheia | Antimácheia | Greece | Antimachia (Kos) | 36.80956 | 27.098022 | Tafí Formation 2(early Pleistocene) | | 2 | 1.6 | Pleistocene | FreshGEN team decision |
| 3201 | Antimácheia (sample G3546 in Willmann, 1981) | Antimácheia | Greece | Antimachia; Antimachia | 36.828111 | 27.127032 | Tafí Formation 1(early Pleistocene) | | 2 | 1.6 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Sübwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-235. |
| 3192 | Antimácheia (section K9, samples K24, K94-97 in Willmann, 1981) | Antimácheia | Greece | Antimachia; Antimachia | 36.838279 | 27.112885 | Tafí Formation 2(early Pleistocene) | | 2 | 1.6 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Sübwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-235. |
| 272 | Antirrio | Antirrio | Greece | | 38.345157 | 21.755819 | 2Pleistocene | | 2.588 | 1.806 | Pleistocene | Koumpoudis, N., Zelaidis, A. 1992. Upper Pliocene lacustrine environments in the intramontane Rio graben basin, NW Peloponnesus, Greece. Neues Jahrbuch für Geologie und Paläontologie, Monatshefte, 2, 102-114. |
| 4496 | Apedorpe (from the grey marl of an old lake floor) | Apedorpe | United Kingdom | | 52.563605 | -0.486226 | 3late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-878X(22)80002-X. |
| 578 | Arkáta | Arkáta | Greece | Arkáta near Livonates (Phthiotis-Phthókis) | 38.743641 | 23.033166 | 2Chaudian | | 0.7 | 0.4 | Pleistocene | Gillet, S., Sauvage, J., Kerarend, B. 1979. Enseulé paléontologique du plio-péistocène de Locris et d'Eubée occidentale (Grèce centrale): Malacologie et palynologie. Annales Géologiques des Pays Helléniques, 29 (2), 554-580. |
| 4606 | Arnhem (Borehole B.15 [40B/60]) | Arnhem | Netherlands | | 51.988438 | 5.903857 | Tegelen Formation 2(early Pleistocene) | | 2.43 | 1.76 | Pleistocene | Meijer, T. 1986. Notes on Quaternary freshwater Mollusca of the Netherlands, with descriptions of some new species. Mededelingen van de Werkgroep voor de Tertiär en Kwartair in Nederland, 72 (2/3), 79-83. |
| 4968 | Arnsdorf (Schloßgarten, conduit of the railways, layers 2 to 10) | Arnsdorf | Germany | | 50.837563 | 10.955082 | 2(Holocene) | | 0.0117 | 0 | Holocene | Büttner, K. 1940. Die Molluskenfauna eines Kalkfauklagers in Arnsdorf in Thüringen. Archiv für Molluskenkunde, 72 (2/3), 79-83. |
| 4114 | Arrest (list in Rousseau et al., 1992) | Arrest | France | | 50.128455 | 1.617013 | 2MHS11 | | 0.42 | 0.38 | Pleistocene | Rousseau, D.-D., Puisségur, J.-J., Lévéque, F. 1992. West-European terrestrial mollusc assemblages of isotopic stage 11 (Middle Pleistocene): climatic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 92, 15-29. |
| 5823 | Arromanches (Asnelles-Belle-Plage, AS1 and 2) | Arromanches | France | | 49.342161 | -0.585367 | 2Eemian | | 0.125 | 0.115 | Pleistocene | West, R.G., Sparks, B.W. 1960. Coastal Interglacial deposits of the English Channel. Philosophical transactions of the Royal Society of London B, 243, 95-133. doi:10.1098/rstb.1960.0006. |
| 5822 | Arromanches (Saint-Côme-de-Fresné) | Arromanches | France | | 49.339898 | -0.604847 | 2Eemian | | 0.125 | 0.115 | Pleistocene | West, R.G., Sparks, B.W. 1960. Coastal Interglacial deposits of the English Channel. Philosophical transactions of the Royal Society of London B, 243, 95-133. doi:10.1098/rstb.1960.0006. |
| 5676 | Aschersleben (Königssee-Ascherslebener See, table 27, site 85 in Mania, 1973) | Aschersleben | Germany | | 51.798579 | 11.416588 | 2Alerid | | 0.01335 | 0.0129 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5677 | Aschersleben (Königssee-Ascherslebener See, table 27, site 86 in Mania, 1973) | Aschersleben | Germany | | 51.798579 | 11.416588 | 2Boreal | | 0.009 | 0.008 | Holocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5666 | Aschersleben (Königssee-Ascherslebener See, tables 20 and 27 in Mania, 1973) | Aschersleben | Germany | | 51.798579 | 11.416588 | 2Weichselian to Oldest Dryas | | 0.115 | 0.0135 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5677 | Aschersleben (Königssee-Ascherslebener See, tables 24 and 27 in Mania, 1973) | Aschersleben | Germany | | 51.782467 | 11.437032 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 134 | Asidós | Asidós | Greece | | 37.770715 | 21.571197 | 4Gelasian | | 2.588 | 1.806 | Pleistocene | Meijer, T. 1986. Notes on Quaternary freshwater Mollusca of the Lethen-Zwischenlage des Deckenschotters von Fischach, Kreis Augsburg. Geologica Carinthia, 19 (2), 170-179. |
| 2802 | Augsburg (Fischach) | Augsburg | Germany | | 48.28613 | 10.647966 | 2(Both boundaries) | | 1.806 | 0.781 | Pleistocene | Schröder, J., Dahn, R. 1951. Die Molluskenfauna aus der Lehnen-Zwischenlage des Deckenschotters von Fischach, Kreis Augsburg. Geologica Carinthia, 6, 118-120. |
| 4709 | Augusłów (Czarnucha section) | Augusłów | Poland | | 53.810305 | 23.043862 | 2Interglacial | | 1.2 | 0.8 | Pleistocene | Rey, A. 2009. Lépiptérologie et systématique géologique des ossements interglaciaires de l'ancien lac de Pojezierze Eckie) i Czarnucha (Równina Augustowska). Biuletyn Państwowego Instytutu Geologicznego, 435, 3-22. |
| 588 | Auvillars-sur-Saône | Auvillars-sur-Saône | France | Auvillars (Côte d'Or) | 47.06276 | 5.10293 | 2Gelasian | | 2.588 | 1.806 | Pleistocene | Bergerat, F., Farjanel, G., Fleury, R., Puisségur, J.-J., Putallaz, J. 1983. Notice explicative de la feuille Montpon-en-Bresse A 1/50 000. Bureau de recherches géologiques et minierères, Orléans. |
| 4532 | Aylesford (N of Aylesford-Fordstal road, river Medway) | Aylesford | United Kingdom | | 51.301974 | 0.485973 | 2Holocene | | 0.0147 | 0 | Holocene | Burchell, J.P.T., Davis, A.G. 1957. The Molluscan fauna of some early Post-Glacial deposits in North Lincolnshire and Kent. Journal of Palaeontology, 31, 170-179. |
| 3884 | Azatan | Azatan | Armenia | | 40.71959 | 43.832727 | 2(Boundaries) | | 1.806 | 0.0117 | Pleistocene | Khanyan, P.M. 1966. Novye mestnostiakhodzhennykh pleystosenovnykh presnovodnykh mollyuskov bliz Yerevana. Izvestiya Akademii Nauk Armenii SSR, 19 (4), 3-9. |
| 4557 | Bacton (Ostend) | Bacton | United Kingdom | | 52.835204 | 1.510834 | Cromerian Complex 2Interglacial IV | | 0.502 | 0.472 | Pleistocene | Preece, R.C. 2001. Molluscan evidence for differentiation of interglacials within the 'Cromerian Complex'. Quaternary Science Reviews, 20, 1643-1656. |
| 3003 | Bad Buchau (drilling 586538 at Ur-Federsee) | Bad Buchau | Germany | | 48.057491 | 9.606918 | Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | German, R., Dehm, R., Ernst, W., Filzer, P., Käss, W., Müller, G., Witt, W. 1965. Ergebnisse der wissenschaftlichen Kern-Borlungen Ur-Federsee I. Oberberingische geologische Abhandlungen, 14, 97-139. |
| 3006 | Bad Buchau (Ur-Federsee 2 drilling) | Bad Buchau | Germany | | 48.058242 | 9.648506 | early-middle Pleistocene (old boundaries) | | 1.806 | 0.126 | Pleistocene | German, R., Bonneff, J., Bräuer, K., Dehm, R., Filzer, P., Käss, W., Kunte, H., Müller, G., Witt, W. 1967. Ergebnisse der wissenschaftlichen Kern-Borlungen Ur-Federsee 2. Oberberingische geologische Abhandlungen, 16, 45-110. |
| 4151 | Bad Deutsch-Altenburg (Deutsch Altenburg, Kat.-Nr. 2921/18, station 22 in Frank, 2006) | Bad Deutsch-Altenburg | Austria | | 48.15 | 16.916667 | early Pleistocene (old boundaries) | | 1.806 | 0.781 | Pleistocene | Frank, C. 1973. Pflanzen- und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 5663 | Bad Kösen (Corbicula-Kies, in Mania, 1973) | Bad Kösen | Germany | | 51.112693 | 11.709158 | 2early Holsteinian | | 0.41 | 0.395 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5659 | Bad Kösen (Lengefeld, in Mania, 1973) | Bad Kösen | Germany | | 51.112693 | 11.709158 | 2late Holsteinian | | 0.395 | 0.38 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5675 | Bad Langensalza (Herbolzheim A, in Mania, 1973) | Bad Langensalza | Germany | | 51.117148 | 10.836393 | 2Atlantic | | 0.008 | 0.0056 | Holocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5671 | Bad Langensalza (Herbolzheim B, in Mania, 1973) | Bad Langensalza | Germany | | 51.117148 | 10.836393 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5670 | Bad Langensalza (tables 23 and 27 in Mania, 1973) | Bad Langensalza | Germany | | 51.106511 | 10.644259 | 2Atlantic | | 0.008 | 0.0056 | Holocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saaletal auf Grund von Mollusken-Gesellschaften. Geologie, 21 (78/79), 1-175. |
| 5739 | Bad Langensalza (Ufhor-Silzenberg, in Klett, 1928) | Bad Langensalza | Germany | | 51.097974 | 10.63177 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Klett, B. 1928. Die Conchylen diluvialer und alluvialer Schichten in Westfalen. Zeitschrift für Naturwissenschaften, 88, 57-148. |
| 5757 | Bad Tennstedt | Bad Tennstedt | Germany | | 51.150273 | 10.838672 | 2(Holocene) | | 0.0117 | 0 | Holocene | Frank, C. 1973. Vergleichende und holozäne Mollusken Ostwestfalen. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4138 | Bad Vöslau (Leesdorf, station 89 in Frank, 2006) | Bad Vöslau | Austria | | 48.004722 | 16.253333 | 2Boreal | | 0.009 | 0.008 | Holocene | Gross, R., Filzer, P., Dehm, R., Freude, H., Jung, W., Witt, W. 1968. Ergebnisse der wissenschaftlichen Kern-Borlung Wurzacher Becken 1 (DFG). Jahresheft des Vereins für vaterliche Naturkunde in Württemberg, 123, 33-68. |
| 3341 | Bad Wurzach (Wurzacher Becken 1) | Bad Wurzach | Germany | | 47.895293 | 9.844682 | 2Interglacial | | 0.125 | 0.115 | Pleistocene | Meijer, T., Preece, R.C. 1996. Molluscological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Middle Pleistocene in Europe. A.A. Balkema, Rotterdam, Brookfield. |
| 4550 | Baginton (Baginton-Lillington Gravels, Waverley Wood) | Baginton | United Kingdom | | 52.330591 | -1.482552 | 2Cromerian | | 0.86 | 0.46 | Pleistocene | Preece, R.C. 1991. Radiocarbon-Dated Molluscan Successions from the Holocene of Central Spain. Journal of Biogeography, 18 (4), 409-426. |
| 5166 | Bädides (sections 1 to 4) | Bädides | Spain | | 41.000926 | -2.752878 | 2Ma | | 0.01006 | 0.00257 | Holocene | Sünegi, P., Molnár, D., Sávay, Sz., Tóvárosi, R.J. 2012. Preliminary radiocarbon dated paleontological and geological data for the Quaternary malacofauna at Pásztóföld (Bále 1 Mai, Oradea region, Romania). Malakológia Tájékozat, 30, 31-37. |
| 2658 | Bálé 1 Mai (layer 14-9 in Kormos, 1905) | Bálé 1 Mai | Romania | Oradea Mare; Bálé Episcopiei; Bischofsbad; Pásztóföld | 46.98911 | 21.978654 | 20.0085-0.003 Ma | | 0.0085 | 0.003 | Holocene | Sünegi, P., Molnár, D., Sávay, Sz., Tóvárosi, R.J. 2012. Preliminary radiocarbon dated paleontological and geological data for the Quaternary malacofauna at Pásztóföld (Bále 1 Mai, Oradea region, Romania). Malakológia Tájékozat, 30, 31-37. |
| 2654 | Bálé 1 Mai (samples 10-42) | Bálé 1 Mai | Romania | Oradea Mare; Bálé Episcopiei; Bischofsbad; Pásztóföld | 46.98911 | 21.978654 | 20.015-0.0116 Ma | | 0.015 | 0.0116 | Pleistocene | Sünegi, P., Molnár, D., Sávay, Sz., Tóvárosi, R.J. 2012. Preliminary radiocarbon dated paleontological and geological data for the Quaternary malacofauna at Pásztóföld (Bále 1 Mai, Oradea region, Romania). Malakológia Tájékozat, 30, 31-37. |
| 2653 | Bálé 1 Mai (samples 1-9) | Bálé 1 Mai | Romania | Oradea Mare; Bálé Episcopiei; Bischofsbad; Pásztóföld | 46.98911 | 21.978654 | 20.0085-0.003 Ma | | 0.0085 | 0.003 | Holocene | Sünegi, P., Molnár, D., Sávay, Sz., Tóvárosi, R.J. 2012. Preliminary radiocarbon dated paleontological and geological data for the Quaternary malacofauna at Pásztóföld (Bále 1 Mai, Oradea region, Romania). Malakológia Tájékozat, 30, 31-37. |
| 2655 | Bálé 1 Mai (undifferentiated, subfossil) | Bálé 1 Mai | Romania | Oradea Mare; Bálé Episcopiei; Bischofsbad; Pásztóföld | 46.98911 | 21.978654 | 20.008-0.003 Ma | | 0.0085 | 0.003 | Holocene | Jászkó, S., Kropp, E. 1991. Negyedszázalék környezetgyökerek és folyóvízi üledékekkel halmazoltás a Duna-völgyben Pak és Mohás között, Magyar Állami Földtani Intézet Évi Jelentés 1989-rol, 65-84. |
| 5717 | Baja (70-75 m) | Baja | Hungary | | 46.175327 | 18.942548 | early Pleistocene (old boundaries) | | 1.806 | 0.781 | Pleistocene | FreshGEN team decision |
| 5201 | Bakov | Bakov | Belarus | | 53.497177 | 31.222539 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Davitashvili, L.S. 1933. Fossils of the Asperonian beds. In: Archangelsky, A.D., Davitashvili, L.S. (eds) Characteristic fossils of the oil districts of the Crimea and Caucasus. Transactions of the State Petroleum Research-Institute, 12, 1-50. |
| 6089 | Baku (Bayl Burnu) | Baku | Azerbaijan | Kap Ballow near Baku; Mys Bajlov; Bayil Burnu | 40.344778 | 49.842088 | 2Apheronian | | 2.15 | 0.9 | Pleistocene | Davitashvili, L.S. 1933. Fossils of the Asperonian beds. In: Archangelsky, A.D., Davitashvili, L.S. (eds) Characteristic fossils of the oil districts of the Crimea and Caucasus. Transactions of the State Petroleum Research-Institute, 12, 1-50. |
| 6090 | Baku (Sax Burnu) | Baku | Azerbaijan | Kap Sych near Baku; Six Burnu | 40.3054 | 49.8253 | 2Apheronian | | 2.15 | 0.9 | Pleistocene | Davitashvili, L.S. 1933. Fossils of the Asperonian beds. In: Archangelsky, A.D., Davitashvili, L.S. (eds) Characteristic fossils of the oil districts of the Crimea and Caucasus. Transactions of the State Petroleum Research-Institute, 12, 1-50. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference | | |
|------|--|---------------------|---|-----------------------|-----------|------------|----------------------|-----------------------------|---------------------|---------------------|-------------|---|-------------|--|
| 2290 | Balkanči | Azerbaijan | Balkanči | | 40.461969 | 49.920562 | 2 | Azerbaijanian | 2.15 | 0.9 | Pleistocene | Audrušov, N. 1923. Azerbajdzhan's vann. Trudy Geologicheskago Komiteta, novaya seriya, 110. 1-294. | | |
| 2290 | Balkančot (Apheronian) | Turkmenistan | Nerfudag; Nebidag; Nefiyanoy (?) | | 39.51078 | 54.36713 | 2 | Azerbaijanian | 2.15 | 0.9 | Pleistocene | Audrušov, N. 1923. Azerbajdzhan's vann. Trudy Geologicheskago Komiteta, novaya seriya, 110. 1-294. | | |
| 4455 | Balkančot (Bakuman) | Turkmenistan | Nerfudag; Nebidag; Nefiyanoy (?) | | 39.51075 | 54.36713 | 2 | Bakumian | 0.9 | 0.4 | Pleistocene | Neiviskaya, I.A. 1958. Čevertičnye molyuski Türkmenii. Trudy Paleontologicheskogo Instituta, 65. 1-82. | | |
| 4400 | Ballynrobe (Lough Carr, 2 miles NW of Ballinrobe) | Ireland | Partry | | 53.6652 | -9.255237 | 2 | post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. | | |
| 4361 | Ballyalla (Lake Ballyalla, bank of river Fergus) | Ireland | | | 52.877295 | -8.982369 | 2 | post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. | | |
| 5885 | Ballywaler (Roddans Port, Zone II) | United Kingdom | Ballywaler | | | | 54.569915 | -5.48405 | 2 | Alerid | 0.01335 | 0.0129 | Pleistocene | Morrison, M.E.S., et al. 1965. A Submerged Late-Quaternary Deposit at Roddans Port on the North-East Coast of Ireland. Philosophical Transactions of the Royal Society of London B, 249, 221-255. doi: 10.1098/rstb.1965.0011. |
| 4082 | Baltic See (Arkona Basin, core: 6800/16 in Jensen et al., 1999) | Poland | Baltic See | | 54.79488 | 12.384109 | 3 | Ma | 0.01046 | 0.00912 | Holocene | Jensen, J.B., Bennike, O., Wiktorowski, A., Lemke, W., Kuipers, A. 1999. Early Holocene history of the southwestern Baltic Sea: the Aenocly Lake stage. <i>Boreas</i> , 28, 437-453. | | |
| 4084 | Baltic See (Arkona Basin, core: FRA725/02 in Jensen et al., 1999) | Poland | Baltic See | | 54.666132 | 12.625985 | 3 | Ma | 0.01046 | 0.00912 | Holocene | Jensen, J.B., Bennike, O., Wiktorowski, A., Lemke, W., Kuipers, A. 1999. Early Holocene history of the southwestern Baltic Sea: the Aenocly Lake stage. <i>Boreas</i> , 28, 437-453. | | |
| 4090 | Baltic See (core DSF 3235/07 in Bennike et al., 1998) | Poland | Baltic See | | 54.516983 | 12.39815 | 1 | 0.0085-0.0078 Ma | 0.0085 | 0.0078 | Holocene | Bennike, O., Lemke, W., Jensen, J.B. 1998. Fauna and flora in subarine early Holocene lake-marl deposits from the southwestern Baltic Sea. <i>The Holocene</i> , 8, 333-358. | | |
| 4081 | Baltic See (east of Darss Sill, core: 5600/7 in Jensen et al., 1999) | Poland | Baltic See | | 54.588718 | 12.296158 | 3 | Ma | 0.01046 | 0.00912 | Holocene | Jensen, J.B., Bennike, O., Wiktorowski, A., Lemke, W., Kuipers, A. 1999. Early Holocene history of the southwestern Baltic Sea: the Aenocly Lake stage. <i>Boreas</i> , 28, 437-453. | | |
| 4079 | Baltic See (Gdańsk Bay cores, Krzymińska, 2001) | Poland | Baltic See | | 54.491712 | 19.045064 | 4 | Ma | 0.01046-0.00912 | 0.0122 | Holocene | Krzymińska, J. 2001. Zespoły mięczaków w osadach czwartorzędowych południowego Bałtyku. <i>Biuletyn Państwowego Instytutu Geologicznego</i> , 397, 67-116. | | |
| 4080 | Baltic See (Mecklenburg Bay, cores: 5604/17, MB01/94, 5640/16, 5640/24 in Jensen et al., 1999) | Poland | Baltic See | | 54.435007 | 11.654799 | 3 | Ma | 0.01046 | 0.00912 | Holocene | Jensen, J.B., Bennike, O., Wiktorowski, A., Lemke, W., Kuipers, A. 1999. Early Holocene history of the southwestern Baltic Sea: the Aenocly Lake stage. <i>Boreas</i> , 28, 437-453. | | |
| 4078 | Baltic See (Pomeranian Bay and Odra Bank cores, Krzymińska, 2001) | Poland | Baltic See | | 54.171494 | 14.717745 | 3 | Ma | 0.01046 | 0.0131 | Pleistocene | Krzymińska, J. 2001. Zespoły mięczaków w osadach czwartorzędowych południowego Bałtyku. <i>Biuletyn Państwowego Instytutu Geologicznego</i> , 397, 67-116. | | |
| 4078 | Baltic See (Puck Bay cores, Krzymińska, 2001) | Poland | Baltic See | | 54.757776 | 18.502381 | 2 | Ma | 0.00666 | 0.00317 | Holocene | Krzymińska, J. 2001. Zespoły mięczaków w osadach czwartorzędowych południowego Bałtyku. <i>Biuletyn Państwowego Instytutu Geologicznego</i> , 397, 67-116. | | |
| 5909 | Baltic See (SE of Mecklenburg Bay, core: 222720 in Bennike & Lemke, 2001) | Poland | Baltic See | | 54.227734 | 11.687572 | 3 | Younger Dryas | 0.0129 | 0.0115 | Pleistocene | Bennike, O., Lemke, W. 2001. Late-glacial and early Postglacial finds of <i>Ancylus fluviatilis</i> from the southwestern Baltic Sea. <i>GFF</i> , 123 (2), 81-84. | | |
| 4083 | Baltic See (shallow channel areas sbronec core 6950/23 in Jensen et al., 1999) | Poland | Baltic See | | 54.666132 | 12.625985 | 3 | Ma | 0.01046 | 0.00912 | Holocene | Jensen, J.B., Bennike, O., Wiktorowski, A., Lemke, W., Kuipers, A. 1999. Early Holocene history of the southwestern Baltic Sea: the Aenocly Lake stage. <i>Boreas</i> , 28, 437-453. | | |
| 4073 | Baltic See (Shipka Bank cores, Krzymińska, 2001) | Poland | Baltic See | | 54.954823 | 17.08926 | 3 | Ma | 0.01051 | 0.00895 | Holocene | Krzymińska, J. 2001. Zespoły mięczaków w osadach czwartorzędowych południowego Bałtyku. <i>Biuletyn Państwowego Instytutu Geologicznego</i> , 397, 67-116. | | |
| 4076 | Baltic See (Southern Middle Bay cores, Krzymińska, 2001) | Poland | Baltic See | | 55.611744 | 17.533352 | 3 | Late Glacial to Holocene | 0.0147 | 0 | Holocene | Krzymińska, J. 2001. Zespoły mięczaków w osadach czwartorzędowych południowego Bałtyku. <i>Biuletyn Państwowego Instytutu Geologicznego</i> , 397, 67-116. | | |
| 5910 | Baltic See (SW Bornholm Basin, core 222820 in Bennike & Lemke, 2001) | Poland | Baltic See | | 54.532197 | 15.112414 | 3 | Yoldia Sea | 0.0103 | 0.0095 | Holocene | Bennike, O., Lemke, W. 2001. Late-glacial and early Postglacial finds of <i>Ancylus fluviatilis</i> from the southwestern Baltic Sea. <i>GFF</i> , 123 (2), 81-84. | | |
| 5337 | Baradiz (at the road Koçtepe-Keqiborlu) | Turkey | near Paradis, at the road Fundas-Ketsiborlu | | 37.892331 | 30.413074 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Sonneveld (Södmanland). (Kanoniusen und Brunkhöfen der Törl 5). <i>Bih. Geol. Jb.</i> , 101, 1-151. | | |
| 5156 | Baraváki (borehole 66) | Belarus | Barováki | | 52.547652 | 29.850038 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Sankó, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | | |
| 626 | Barberino di Mugello (Toso) | Italy | Toso near Barberino (Firenze) | | 44.034234 | 11.209352 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Brennentu, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvio-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). <i>Rivista Italiana di Paleontologia e Stratigrafia</i> , 104 (2), 263-278. | | |
| 5084 | Barcelona (El Llobregat, Laguna de La Llila) | Spain | | | 41.303124 | 2.114056 | 3 | Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Madura, Marco, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. | | |
| 5287 | Barvin (Barvin Perevoz) | Belarus | Barvin | Barvin Pierievoz | 55.271787 | 30.221425 | 2 | Holocene | 0.0117 | 0 | Holocene | Sankó, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | | |
| 3245 | Bastardo (between Bastardo and Ponte di Ferro) | Italy | Bastardo | | 42.893892 | 12.54511 | 1 | late Villafranchian | 2 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. <i>Paleontologia, Geologica Romana</i> , 13, 203-294. | | |
| 3244 | Bastardo (dumps around the power plant Ponte di Ferro) | Italy | Bastardo | | 42.893086 | 12.538716 | 1 | late Villafranchian | 2 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. <i>Paleontologia, Geologica Romana</i> , 13, 203-294. | | |
| 3249 | Bastardo (Pont di Ferro) | Italy | Bastardo | | 42.901433 | 12.534063 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. <i>Paleontologia, Geologica Romana</i> , 13, 203-294. | | |
| 4581 | Bavel (Kedichem Formation-Bavel Interglacial) | Netherlands | Bavel | | 51.583203 | 4.834751 | 1 | Bavel Complex | 1.2 | 0.86 | Pleistocene | Meijer, H. 1996. Molluscalogical evidence relating to the stratigraphic position of the Cromerian. 53-82. In: Turner, C. (eds) <i>The Early Middle Palaeolithic in Europe</i> . A.A. Balkema, Rotterdam, Brookfield. | | |
| 3644 | Bayreuth (about 10km E. Lünenberg) | Germany | | | 49.938219 | 11.697677 | 2 | Holocene | 0.0117 | 0.00855 | Holocene | Böttner, K. 1935. Eine postglaziale Molluskenfauna im Alem des Lünenberges östlich Bayreuth. <i>Zentralblatt für Mineralogie, Geologie und Paläontologie</i> , B, 21-24. | | |
| 5837 | Beaume (Besme-des-Créancy, Vandenesse tributary, levels 20 to -4) | France | Beaume | | 47.260699 | 4.576857 | 2 | Subboreal | 0.0056 | 0 | Holocene | Puisséger, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. | | |
| 5838 | Beaume (Besme-des-Créancy, Vandenesse tributary, levels -5 to -17) | France | Beaume | | 47.260699 | 4.576857 | 2 | Boreal to Atlantic | 0.009 | 0.0095 | Holocene | Puisséger, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. | | |
| 4533 | Beauvais (Warhus, profiles IIIb and VIIIc-DOS3) | France | | | 49.399678 | 2.176724 | 2 | Boreal | 0.0099 | 0.0088 | Holocene | Coutard, S., et al. 2010. Contexte géomorphologique, chronostrophigraphique et paléoenvironnemental des sites Mésolithiques et Paléolithiques de Warhus dans la vallée du Thérain (Oise, France). <i>Quaternaire</i> , 21 (4), 357-384. | | |
| 639 | Becles | United Kingdom | Becles | | 52.459409 | 1.1565888 | 2 | Gleisbach | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria teraria. W. Junk, Berlin. | | |
| 640 | Becles (Yarn Hill) | United Kingdom | Becles | | 52.354792 | 1.1668534 | 2 | Gleisbach | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria teraria. W. Junk, Berlin. | | |
| 4480 | Bedford (Bedfordshire) | United Kingdom | Bedford | | 52.144138 | -0.509091 | 2 | Biford (Uphall pit) | 0.251 | 0.195 | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. | | |
| 4471 | Bedford (Bromham, river bank) | United Kingdom | Bedford | | 52.148072 | -0.519382 | 2 | Holocene | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. | | |
| 4484 | Bedford (Harrowden) | United Kingdom | Bedford | | 52.112039 | -0.442234 | 2 | Biford (Uphall pit) | 0.251 | 0.195 | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. | | |
| 4485 | Bedford (Summerhouse Hill) | United Kingdom | Bedford | | 52.161457 | -0.436639 | 2 | Biford (Uphall pit) | 0.251 | 0.195 | Pleistocene | INQUA-SFGS Annual Meeting. 2010. Quaternary stratigraphy and paleontology of the southern Russia: connections between Europe, Africa and Asia. 2010. Programme and guidebook of excursions. Rostov-on-Don, Russia, 1-47. | | |
| 5591 | Begliča (section 20 km W of Taganrog) | Russian Federation | Begliča | | 47.126667 | 38.517222 | 2 | Pleistocene | 0.46 | 0.126 | Pleistocene | Rakki, M., Stepić, S., Simonović, S. 2002. Paleogeography of Southeastern part of Pannonian basin during Pliocene and Quaternary. Proceedings of the 12th Congress of Pan-Eurasian-Balkan Geological Association, Geologija (special issue) 53, 6. | | |
| 3556 | Belgrade (Bežanijska Kosa [ZK-26] and upper Žemun [ZK-14], section 1) | Serbia | Belgrade | | 44.828449 | 20.393285 | 2 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Odhner, N. 1910. Beiträge zur Kenntnis der fossilen Molluskenfauna Schwedens. Mollusken aus Kalktuffen von Österåland. <i>Arkiv för kemi, mineralog och geologi</i> , 3 (33), 1-18. | | |
| 278 | Belgrade (Kolarjeva ulica) | Serbia | Belgrade | | 44.815332 | 20.4660734 | 2 | Pleistocene | 2.588 | 0.0117 | Pleistocene | Savčevović, P.M. 1929. La fauna e la composizione dei Loess marcescenti a Belgrado. <i>Annales Géologiques de la Péninsule Balkanique</i> , 16, 28-44. | | |
| 3556 | Belgrade (New Belgrade, all boreholes along the Sava river, section 2) | Serbia | Belgrade | | 44.783924 | 20.399351 | 2 | Pleistocene | 2.588 | 0.0117 | Pleistocene | Nenadić, D., Knežević, S., Božićević, S. 2009. Stratigraphic and paleogeographical characteristics of Pleistocene series in the Sava riparian area at Belgrade (Serbia). <i>Bulletin of the Natural History Museum</i> , 2, 63-80. | | |
| 5118 | Belgrade (Veleko Ratno island) | Serbia | Great War Island | | 44.830875 | 20.43488 | 2 | Holocene | 0.0117 | 0 | Holocene | Potrošek, J. 1953. Die holozäne Molluskenfauna der Insel Veleko Ratno bei Belgrad d. Donau. <i>Archiv für Molluskenkunde</i> , 82 (15), 79-80. | | |
| 3554 | Belgrade (Žemun, section 1) | Serbia | Belgrade | | 44.828449 | 20.393285 | 2 | Pleistocene | 2.588 | 0.126 | Pleistocene | Nenadić, D., Knežević, S., Božićević, S. 2009. Stratigraphic and paleogeographical characteristics of Pleistocene series in the Sava riparian area at Belgrade (Serbia). <i>Bulletin of the Natural History Museum</i> , 2, 63-80. | | |
| 4014 | Belinovichi (borehole TL48) | Belarus | Belinovichi | Belynichi, Bielynichy | 53.992883 | 29.699339 | 2 | interglacial | 0.125 | 0.115 | Pleistocene | Sankó, A., Gaigalas, A., Yelovichova, Y. 2011. Paleoceanic and stratigraphic significance of <i>Belgrandia marginata</i> (Mchaud) in Late Quaternary macrofaunas of Belarus and Lithuania. <i>Quaternary International</i> , 241 (2), 68-78. | | |
| 4610 | Berg (near Göta Canal) | Sweden | Berg | | 58.485647 | 15.519775 | 2 | stage | 0.004 | 0.001 | Holocene | Odhner, N. 1910. Beiträge zur Kenntnis der fossilen Molluskenfauna Schwedens. Mollusken aus Kalktuffen von Österåland. <i>Arkiv för kemi, mineralog och geologi</i> , 3 (33), 1-18. | | |
| 4126 | Berlin (Bohrung Löwenbrauerei Hohenhöhausen-Berlin Paludina Bed in Skompski, 1982) | Germany | Berlin | | 52.54666 | 13.487039 | 2 | (Masovian I) | 0.41 | 0.38 | Pleistocene | Skompski, S. 1982. Correlation of the Mazovian Interglacial of the western Poland with the Holstein Interglacial of the eastern part of German Democratic Republic. <i>Bulletin Państwowego Instytutu Geologicznego</i> , 343 (5), 51-58. | | |
| 4128 | Berlin (Bohrung Niederschönweide, fauna from Wahnschaffe, 1893) | Germany | Niederschönweide | | 52.458002 | 13.515029 | 2 | Paludinenbank | 0.41 | 0.38 | Pleistocene | Schmerer, T. 1922. Beitrag zur Kenntnis des faunistischen und floristischen Inhalts der Berliner Paludinenbank. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , 74, 207-236. | | |
| 4127 | Berlin (Bohrung Trolí-Brauerei, fauna from Gottsche, 1886) | Germany | Berlin | | 52.498137 | 13.392406 | 2 | Paludinenbank | 0.41 | 0.38 | Pleistocene | Schmerer, T. 1922. Beitrag zur Kenntnis des faunistischen und floristischen Inhalts der Berliner Paludinenbank. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , 74, 207-236. | | |
| 4609 | Berlin (Paludinenbank in Meijer and Preece, 1996) | Germany | Berlin | | 52.516568 | 13.374401 | 2 | Holsteinian interglacial | 0.41 | 0.28 | Pleistocene | Meijer, T., Preece, R.C. 1996. Molluscalogical evidence relating to the stratigraphic position of the Cromerian. 53-82. In: Turner, C. (eds) <i>The Early Tertiär (Tertiär)</i> . 1996. Stratigraphic and paleogeographical characteristics of Pleistocene series in the Sava riparian area at Belgrade (Serbia). <i>Bulletin of the Natural History Museum</i> , 2, 63-80. | | |
| 657 | Berlin (Tempelhofer) | Germany | Berlin | | 52.466628 | 13.38322 | 2 | Pleistocene | 2.588 | 0.0117 | Pleistocene | Friedrichsen, T. 1996. Stratigraphic and paleogeographical characteristics of Pleistocene series in the Sava riparian area at Belgrade (Serbia). <i>Bulletin of the Natural History Museum</i> , 2, 63-80. | | |
| 5666 | Bern (Vierbünden) | Switzerland | Bern | | 46.913713 | 7.551862 | 2 | Warm | 0.115 | 0.0117 | Pleistocene | Görber, T. 1925. Über die Entstehung der Torfmasse südöstlich Bern. <i>Mitteilungen der Naturforschenden Gesellschaft in Bern</i> , 20-23. | | |
| 5354 | Beroun (Láčnovský mlýn, site F in table 9 in Ložek, 1964, fluvial deposits) | Czech Republic | Beroun | | 49.920671 | 14.03898 | 2 | Atlantic | 0.008 | 0.0056 | Holocene | Ložek, V. 1964. Quarternäre Molluskenfauna des Láčnovský mlýn, site F in table 9 in Ložek, 1964. <i>Quaternär (Prag)</i> , 1, 31-374. | | |
| 3692 | Bessergenovka | Russian Federation | Bessergenovka | | 47.27819 | 38.98851 | 2 | (Ionian) | 0.43 | 0.135 | Pleistocene | Grožik, P., Datsenko, L.N. 2007. Presnovidovay Mollusky pozdne kainozoiko yuga Bostochnoy Uveropy. <i>Chast II. Natsional'naya Akademiya Nauk Ukrayiny, Institut Geologicheskikh Nauk</i> , Kiev. | | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|-------------------------------------|--|-----------|-----------|--|-------------------|---------------------|---------------------|--|--|
| 663 | Bevagna | | Italy | Bevagna (Perugia) | 42.934181 | 12.60948 | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Bazzanti, R., Albinelli, A., Argenti, P., Baldanza, A., Colacicchi, R., Napoléone, G. 2011. The latest continental filling of Valle Umbra (Tiber Basin, Central Italy) dated to one million years ago by magnetostriptigraphy. II Quaternary, 24 (1), 51-65. | |
| 4627 | Beveren (Kallo) | | Belgium | | 51.26026 | 4.278055 | 0.00609-0.00457 | 2 Ma | 0.00609 | 0.00457 | Holocene | Kuijper, W.J. 2006. Flora en fauna in en rond een Scheldegaal bij Kallo op het einde van het atlanticum (Beveren, prov. Oost-Vlaanderen). Relicta, 1, 29-48. |
| 3308 | Biała Podlaska (Hrud I) | | Poland | | 52.111418 | 23.129094 | 2 Holsteinian Interglacial | 0.41 | 0.38 | Pleistocene | Szymański, M. 2012. Mälcfazama of the Holsteinian lake deposits at Hrud II (Eastern Poland) and its palaeoecological significance. Geological Quarterly, 56 (1), 117-126. | |
| 3297 | Biała Podlaska (Hrud II) | | Poland | | 52.107721 | 23.141137 | 2 Holsteinian Interglacial | 0.41 | 0.38 | Pleistocene | Szymański, M. 2011. Climate oscillations of the Holsteinian (Mazovian) Interglacial recorded in shell morphology of <i>Viviparus diluvianus</i> (Kunth, 1865) from eastern Poland. Quaternary International, 241, 143-159. | |
| 3294 | Biała Podlaska (Ortel Królewski) | | Poland | | 51.951666 | 23.241805 | 2 Holsteinian Interglacial | 0.41 | 0.38 | Pleistocene | Szymański, M. 2011. Climate oscillations of the Holsteinian (Mazovian) Interglacial recorded in shell morphology of <i>Viviparus diluvianus</i> (Kunth, 1865) from eastern Poland. Quaternary International, 241, 143-159. | |
| 3296 | Biała Podlaska (Ossówka) | | Poland | | 52.115015 | 23.145201 | 2 Holsteinian Interglacial | 0.41 | 0.38 | Pleistocene | Szymański, M. 2011. Climate oscillations of the Holsteinian (Mazovian) Interglacial recorded in shell morphology of <i>Viviparus diluvianus</i> (Kunth, 1865) from eastern Poland. Quaternary International, 241, 143-159. | |
| 3298 | Biała Podlaska (Roskosz) | | Poland | | 52.074208 | 23.141391 | 2 Holsteinian Interglacial | 0.41 | 0.38 | Pleistocene | Szymański, M. 2011. Climate oscillations of the Holsteinian (Mazovian) Interglacial recorded in shell morphology of <i>Viviparus diluvianus</i> (Kunth, 1865) from eastern Poland. Quaternary International, 241, 143-159. | |
| 3299 | Biała Podlaska (Szymanowo) | | Poland | | 51.894976 | 23.202978 | 2 Mazovian Interglacial (Masovian I) | 0.41 | 0.38 | Pleistocene | Szymański, M. 2014. Environmental changes of the Mazovian (Holsteinian - MIS 11) palaeolake near Szymanowo (eastern Poland) in the light of molluscan analysis. Acta Geologica Polonica, 64 (2), 249-260. DOI: 10.2478/agp-2014-0013 | |
| 4709 | Biała Podlaska (Wikżyn 1/12 profile) | | Poland | | 52.072708 | 23.154181 | 2 Holsteinian Interglacial | 0.41 | 0.38 | Pleistocene | Szymański, M. 2013. Palaeoecology of the Holsteinian lake in vicinity of Wikżyn (eastern Poland) based on molluscan studies. Geological Quarterly, 57 (4), 637-648. | |
| 2396 | Bibileyhot | Azerbaijan | Bibi Heybat | | 40.305909 | 49.822297 | 2 Aghoronian | 2.15 | 0.9 | Pleistocene | Andrusov, N. 1923. Apsheronijskij yarus. Trudy Geologicheskago Komiteta, novaya seriya, 110, 1-294. | |
| 5912 | Bıçaklı (Cameli Denizli Basin) | Turkey | Bıçaklı | | 37.035136 | 29.318862 | 2 Gedasian- Calabrian boundary | 1.806 | 1.806 | Pleistocene | Field collection, unknown date (a). Naturalis Biodiversity Center. (FreshGEN team decision) | |
| 5514 | Biebrza (Grajewo, borehole L41) | Poland | Biebrza | | 53.634776 | 22.559617 | 3 Holocene | 0.0147 | 0 | Holocene | Zurek, S., Dziećkowska, A. 1971. Próba rekonstrukcji rozwoju jezior kopalnych na torfowisku 'Biebrza'. Przegląd Geograficzny, 43 (3), 404-425. | |
| 2880 | Bietigheim-Bissingen (high terrace gravels of Enz in Bibus and Rähle, 2003) | Germany | Bietigheim- Bissingen | | 48.951528 | 9.108241 | 2 Cromer IV | 0.502 | 0.472 | Pleistocene | Böhme, E., Rähle, W. 2003. Stratigraphische Untersuchungen an eiszeitlichem Terrassensedimenten und ihren Deckschichten im mittleren Neckarbecken (Württemberg). Eiszeitalter und Gegenwart, 53, 94-113. | |
| 2889 | Bietigheim-Bissingen (high terrace gravels of Enz in Geyer, 1914) | Germany | Bietigheim- Bissingen | Enz | 48.951528 | 9.108241 | 2 Cromer IV | 0.502 | 0.472 | Pleistocene | Böhme, E., Rähle, W. 2003. Stratigraphische Untersuchungen an eiszeitlichem Terrassensedimenten und ihren Deckschichten im mittleren Neckarbecken (Württemberg). Eiszeitalter und Gegenwart, 53, 94-113. | |
| 5373 | Bíťa (site T in table 2 in Ložek, 1965) | Slovak Republic | Bíťa | | 47.921719 | 18.642342 | 2 middle Würm | 0.069 | 0.025 | Pleistocene | Ložek, V. 1965. Das Problem der Lößbildung und die Lössmaschen. Eiszeitalter und Gegenwart, 16, 61-75. | |
| 669 | Biot | France | Biot near Antibes (Alpes-Maritimes) | | 43.626694 | 7.098184 | 2 Sielian | 1.22 | 0.781 | Pleistocene | Wenz, V. 1923-1930. Fossilien Catalogus I. Animalia. Gasteropoda extrazonaria terrestria. W. Junk, Berlin. | |
| 4394 | Birr (English, townland of Galross) | Ireland | Birr | | 53.205196 | -7.899763 | 3 post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, M.A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1080/08965200916787840 | |
| 4395 | Birr (Kikolman, SE of Birr) | Ireland | Birr | | 53.050336 | -7.873419 | 2 post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, M.A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1080/08965200916787870 | |
| 4393 | Birr (townland of Castleton and Dromoyle) | Ireland | Birr | | 53.097592 | -7.904086 | 2 post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, M.A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1080/08965200916787880 | |
| 675 | Bligny-les-Beaune | France | Bligny-sous-Beaune (Côte d'Or) | | 46.98631 | 4.8262 | 2 MN 17 | 2.5 | 1.8 | Pleistocene | Esel, J. 1999. Contribution to the knowledge of Neogene climatic changes in western and central Europe by means of non-marine molluscs. 328-354. In: Agusti, J., et al. (eds) Holocene Evolution and Climatic Changes in Europe. Cambridge Univ. Press. | |
| 676 | Bligny-sur-Ouche | France | Bligny-sur-Ouche (Côte d'Or) | | 47.10595 | 4.66905 | 2 MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision | |
| 4434 | Blyburgh (below the church, left bank of River Blyth) | United Kingdom | Blyburgh | | 52.321756 | 1.594222 | 2 Holocene | 0.0117 | 0 | Pleistocene | Kennard, M.A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1080/08965200916787880 | |
| 2886 | Böblingen (north, in the direction of Dagersheim) | Germany | Böblingen | | 48.689903 | 8.965779 | 2 late Diluvial | 0.126 | 0.0117 | Pleistocene | Geyer, D. 1913. Beiträge zur Kenntnis der Quarzits in Schwaben. Jahresheft des Vereins für vaterländische Naturkunde in Württemberg, 69, 277. | |
| 5269 | Bobrovec (large Mastyzhenka) | Russia | Bobrov | Boľšaya Mastyzhenka | 51.135138 | 40.403907 | 3 Interglacial | 0.41 | 0.38 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 5169 | Bobrovec (Topka) | Russia | Bobrov | | 51.073007 | 39.987449 | 3 Interglacial | 0.41 | 0.38 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 3947 | Boczów (Łaski) | Poland | Boczów | Laski Lubuskie | 52.462394 | 14.688886 | 2 Eemian | 0.125 | 0.115 | Pleistocene | Skompski, S. 1989a. Molluscs and ostracoda fauna of selected sites of the Mazovian Interglacial in Poland. Kwartalnik Geologiczny, 33 (3/4), 495-524. | |
| 3914 | Boczów (N of Boczów) | Poland | Boczów | | 52.321958 | 14.947997 | 2 Mazovian Interglacial (Masovian I) | 0.41 | 0.38 | Pleistocene | Skompski, S. 1989a. Molluscs and ostracoda fauna of selected sites of the Mazovian Interglacial in Poland. Kwartalnik Geologiczny, 33 (3/4), 495-524. | |
| 4812 | Brodanowo (fig 3 in Alexandrowicz and Alexandrowicz, 2010 and Złotkowo Formation in Skompski, 1994) | Poland | Brodanowo | | 52.638186 | 16.832033 | 2 Fennian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Fennian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. | |
| 5716 | Bogyszál (50-60 m and 149-150 m) | Hungary | Bogyszál | | 46.384596 | 18.82505 | early Pleistocene 2 (old boundaries) | 1.806 | 0.781 | Pleistocene | Jaskó, S., Kropp, E. 1991. Negyedszázalék keregtörzsgök és folyóvízi üledékekben a Duna-völgyben Pak és Molnárc között. Magyar Állami Földtani Intézet Évkönyve 1989, 65-84. | |
| 5581 | Bökhölye | Hungary | Bökhölye | | 46.410181 | 17.393663 | 2 Holocene | 0.0117 | 0 | Pleistocene | Fülöp, L. 1993. Kvarternálisok virágzásának Szegyén megyében I. Malacológiai Tajékoztató, Malacological Newsletter, 12, 21-28. | |
| 135 | Boinesi | Greece | Boinesi | | 37.770715 | 21.571197 | 4 Gelasian | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (West Peloponnese), Greece. Annales Géologiques des Pays Helléniques, 28, 299-333. | |
| 3110 | Bopfingen (C24. Aufhausen, 3 km W Bopfingen in Geyer, 1915, p.87) | Germany | Bopfingen | | 48.855477 | 10.317613 | 2 Jüngere Kalknasse | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalknasse. Jahresheft des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. | |
| 693 | Borgaria | Italy | Borgaria | | 42.483048 | 12.504365 | 2 Villafanchian | 3.5 | 1.1 | Pleistocene | Esel, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia, Geologica Romana, 13, 203-294. | |
| 694 | Borgo San Lorenzo (Bosso brook) | Italy | Borgo San Lorenzo | Bosso near Grenzacco (Firenze); Torrente Bosso (Firenze) | 43.98596 | 11.383932 | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Brenventini, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. | |
| 3311 | Borgo San Lorenzo (Enza creek) | Italy | Borgo San Lorenzo | Enza | 43.989974 | 11.425753 | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Brenventini, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. | |
| 3312 | Borgo San Lorenzo (Mucciano creek) | Italy | Borgo San Lorenzo | Mucciano | 44.001335 | 11.426783 | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Brenventini, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. | |
| 3313 | Borgo San Lorenzo (Pesciolo creek) | Italy | Borgo San Lorenzo | Pesciolo | 43.995408 | 11.422491 | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Brenventini, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. | |
| 3309 | Borgo San Lorenzo (Ponte alle Docce) | Italy | Borgo San Lorenzo | | 43.991209 | 11.425753 | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 5286 | Borisova Gora | Belarus | Borisova Gora | Borisova Hora | 55.473045 | 30.859879 | 3 Interglacial | 0.125 | 0.115 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 5289 | Borki | Belarus | Borki | | 52.788555 | 24.150287 | 3 Interglacial | 0.781 | 0.41 | Pleistocene | Polińska, W. 1917. Matériel à faune malacozoïque (gastéropodes) de la vallée de la Borka. Prace Towarzystwa Naukowego Warszawskiego, 27, 1-130. | |
| 3431 | Borzymowice (peat near the lake Borzymowskie) | Poland | Borzymowice | | 52.492123 | 18.995669 | 2 (Holocene) | 0.0117 | 0 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. | |
| 3478 | Bossey (Marais de Crevin at foothills of Grand Saléve, station 25, level II, in Favre, 1927) | France | Bossey | | 46.152473 | 6.1679 | 2 to Boreal | 0.01 | 0.008 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. | |
| 3479 | Bossey (Marais de Crevin at foothills of Grand Saléve, station 25, level III, in Favre, 1927) | France | Bossey | | 46.152473 | 6.1679 | 2 Atlantic | 0.008 | 0.0056 | Holocene | Davies, P., Edwards, H.J. 2005. Molluscan and ostracod biostratigraphy of Holocene tufa in the Test valley, Hampshire, UK. The Holocene, 15 (1), 97-110. DOI: 10.1191/095961830502777pp | |
| 5582 | Bossington (sequences Boss 10 and Boss 360a/60e) | United Kingdom | Bossington | | 51.07212 | -1.518856 | 1 Ma | 0.0094 | 0.00605 | Holocene | Mountford, J., Magny, M. 2014. Unprecedented changes in mollusc assemblages of the littoral zone in the two largest peri-Alpine French lakes since the last 4500 years. Journal of Limnology, 73 (1), 20-30. DOI: 10.4031/jlim.2014.819 | |
| 5565 | Bourget-du-Lac (Bourget-sa) | France | Bourget-du-Lac | | 45.729135 | 5.867938 | 3 Subatlantic | 0.0028 | 0 | Holocene | Mountford, J., Magny, M. 2014. Unprecedented changes in mollusc assemblages of the littoral zone in the two largest peri-Alpine French lakes since the last 4500 years. Journal of Limnology, 73 (1), 20-30. DOI: 10.4031/jlim.2014.819 | |
| 5566 | Bourget-du-Lac (Bourget-sb) | France | Bourget-du-Lac | | 45.729135 | 5.867938 | 3 Subboreal | 0.0056 | 0.0028 | Holocene | Schlückmann, W.R., Püssiger, J. 1978. Die Molluskenarten der Schichten mit <i>Viviparus burgundicus</i> und <i>Pygula nodotiana</i> von Montagny-les-Bains (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. | |
| 152 | Bragny-sur-Saône | France | Bragny-sur-Saône | | 46.911461 | 5.033441 | 2 Gedasian | 2.588 | 1.806 | Pleistocene | Braume (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. | |
| 700 | Bramerton | United Kingdom | Bramerton | | 52.591265 | 1.388733 | 2 Bramertonian | 2.12 | 1.93 | Pleistocene | Hambin, R. 2001. The later Tufs and associated fossiliferous deposits in the Test valley, Hampshire, UK. The Holocene, 11 (1), 19-27. | |
| 2958 | Briștei (Brăilești hill) | Romania | Briștei | Brăescu | 46.680424 | 26.807926 | 2 middle Pleistocene | 0.781 | 0.126 | Pleistocene | Cohodat, G. 1993. Studii geologice al Sarmatiului și Meotimului dintr-o valea Briștei și Valea Răcătăului (Bacău). Anuarul institutului de Cercetări Geologice, 51, 225-262. | |
| 5002 | Bubal | Spain | Bubal | | 42.683906 | -0.316102 | 2 Post-Pleistocene | 0.0147 | 0 | Holocene | Mashina Matci, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. Boletín de la Real Sociedad de Historia Natural, 71, 43-166. | |
| 5026 | Budakalisz (location 5 in Kropp, 1976c) | Hungary | Budakalisz | | 47.624689 | 19.053243 | 2 (old boundaries) | 1.806 | 0.781 | Pleistocene | Kropp, E. 1976. Melanoides tuberculata (O. F. Müller, 1774) a magyarországi pleistocén képződményekből. Soosiana, 4, 51-56. | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------------|----------------|--|-----------|-----------|---|-------------------|---------------------|---------------------|-------------|--|
| 4909 | Budapest (Buda Castle Hill) | Budapest | Hungary | | 47.499147 | 19.036474 | middle Pleistocene to Riss-Würm Interglacial 2 boundaries | 0.781 | 0.115 | | Pleistocene | Krolopp, E., Schweizer, F., Schauer, G., Dénes, G., Kordos, L., Skoflek, I., Jánossy, D. 1976. A budai Várhegy negyedkori képződményei. Földtani Közlöny, 106, 193-228. |
| 5728 | Bükkszentzsébet | Bükkszentzsébet | Hungary | | 48.05398 | 20.157654 | early-middle Pleistocene (old 2 boundaries) | 1.806 | 0.126 | | Pleistocene | Krolopp, E., Radócz, G. 1974. Pleistozoischer képződmények Bükk-szentzsébet környékén. Magyar Állami Földtani Intézet Évi Jelentése 1972-ről, 87-98. |
| 733 | Bulcamp (Union Farm) | Bulcamp | United Kingdom | Bulchamp (Suffolk) | 52.329111 | 1.579345 | 2 middle Tiglian | 2.12 | 1.93 | | Pleistocene | Precc, R.C. 1990. Non-marine Mollusca from the Crag of Bulcamp, Suffolk. Bulletin of the Geological Society of Norfolk, 93, 55-57. |
| 3136 | Burdur (Çenlik beach-station 77 in Yıldırım et al., 2005 and Fossil collection 1 in Kebapçı and Yıldırım, 2010) | Burdur | Turkey | | 37.684855 | 30.176429 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3956 | Burdur (Çercin) | Burdur | Turkey | Gökçebağ | 37.780449 | 30.382147 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3142 | Burdur (Düger village sand mine-Fossil collection 4 in Kebapçı and Yıldırım, 2010) | Burdur | Turkey | | 37.580236 | 30.027545 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3954 | Burdur (hill on the way of Grünen) | Burdur | Turkey | | 37.959304 | 30.515315 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3955 | Burdur (hills at Gümlüştün) | Burdur | Turkey | Gümüşgün, Baladız | 37.902491 | 30.419642 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3957 | Burdur (near the Milk Factory) | Burdur | Turkey | | 37.681123 | 30.195665 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3958 | Burdur (sand mine in Sogancı village) | Burdur | Turkey | | 37.621982 | 30.097046 | 3 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3139 | Burdur (sand pits-station 78 in Yıldırım et al., 2005 and Fossil collection 2 in Kebapçı and Yıldırım, 2010) | Burdur | Turkey | | 37.688891 | 30.210205 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3143 | Burdur (Senice village sand pits-Fossil collection 5 in Kebapçı and Yıldırım, 2010) | Burdur | Turkey | | 37.892099 | 30.527519 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 5342 | Burdur (W of the city of Burdur) | Burdur | Turkey | | 37.719813 | 30.333819 | 2 Holocene | 0 | 0 | | Freshwater | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3141 | Burdur (Yargılı-kale-Fossil collection 3 in Kebapçı and Yıldırım, 2010) | Burdur | Turkey | | 37.567519 | 29.991143 | 2 late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Bering, D. 1971. Lithostratigraphie, tektonische Entwicklung und Seesegeschichte der neogenen und quartären intramontanen Becken der Päisidischen Seenregion (Südostanatolien). (Kanozokum und Braunkohlen der Türkei 5.). Beh. Geol. Jb., 101, 1-151. |
| 3268 | Burgau, Iller-Lech-Platte (Brennberg) | Burgau, Iller-Lech-Platte | Germany | | 48.416224 | 10.386305 | Upper Deckenschotter (Bavaria) 2 | 1.7 | 0.73 | | Pleistocene | Münzing, K., Akas, A. 1987. Weitere Funde molluskenführender Mergellagen im Unteren Deckschotter von Bayerisch Schwaben. Jahresberichte und Mitteilungen des Oberreinheimischen geologischen Vereins, Neue Folge, 69, 181-193. |
| 5849 | Burgau, Iller-Lech-Platte (N of Kröninger Bach, quarry) | Burgau, Iller-Lech-Platte | Germany | | 48.427471 | 10.395515 | Riss-Würm Interglacial to Würm | 0.125 | 0.0117 | | Pleistocene | Léger, M., Löser, M., Puissegur, J.-J. 1972. Les terrasses de la vallée à la Mandel en aval de Jettingen. Bulletin de l'Association française pour l'étude des grottes, 9, 135-151. |
| 4430 | Burgh Saint Peter (S of the church, marshland) | Burgh Saint Peter | United Kingdom | | 52.476156 | 1.629455 | 2 Holocene | 0.0117 | 0 | | Holocene | Dohm, R. 1987. Die Landschaftsdecke Diesus perspectives im Postglazial Südbayerns. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 27, 21-30. |
| 3783 | Burghausen (100 east of the transtation) | Burghausen | Germany | | 48.174179 | 12.829379 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Dohm, R. 1987. Die Landschaftsdecke Diesus perspectives im Postglazial Südbayerns. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 27, 21-30. |
| 3073 | Burghausen (Burghausen a.d. Salzach, Hausburg Schafflhuber beim Herzogbad) | Burghausen | Germany | | 48.161879 | 12.824855 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Dohm, R. 1987. Die Landschaftsdecke Diesus perspectives im Postglazial Südbayerns. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 27, 21-30. |
| 3740 | Burgtonna (Gräfenstein in Klett, 1928) | Burgtonna | Germany | | 51.091684 | 10.729915 | 2 Diluvial | 1.806 | 0.0117 | | Pleistocene | Klett, B. 1928. Die Conchyliothalische und diluviale Schichten in Westföhringen. Zeitschrift für Naturwissenschaften, 88, 57-148. |
| 5633 | Burgtonna (Steinbruch 1, E-Wand, phases 1 to 8 and Klett, 1928) | Burgtonna | Germany | | 51.073057 | 10.729907 | 2 Eemian | 0.125 | 0.115 | | Pleistocene | Maria, D. 1978. Die Molluskenfauna aus den Tertiärterrassen von Burgtonna in Thüringen. Quartärpaläontologie, 3, 69-85. |
| 4413 | Burwell (peat of Burwell Fen) | Burwell | United Kingdom | | 52.274112 | 0.318776 | 2 Holocene | 0.0117 | 0 | | Holocene | Dohm, R. 1987. Die Landschaftsdecke Diesus perspectives im Postglazial Südbayerns. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 27, 21-30. |
| 4363 | Caherkine (Lough Caherkinne) | Caherkine | Ireland | | 52.789628 | -8.852864 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X |
| 5582 | Busko-Zdrój (Spa Park) | Busko-Zdrój | Poland | | 52.458207 | 20.720515 | 2 upper Holocene | 0.00585 | 0 | | Holocene | Aleksandrowicz, W.P., Grob-Szarewska, M. 2013. Molluscan assemblages in Late Holocene deposits in Busko-Zdrój (Niża Basin, Southern Poland). Geology, Geophysics & Environment, 39 (1), 59-69. |
| 742 | Butley | Butley | United Kingdom | Butley near Chillesford (Suffolk) | 52.107335 | 1.457723 | 2 Butleyan | 2.61 | 2.48 | | Pleistocene | FreshGEN team decision |
| 4365 | Caherkine (Lough Caherkinne) | Caherkine | Ireland | | 52.789628 | -8.852864 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 33 (1), 109-129. |
| 3880 | Čákovice (N of Praha, site D in table 2 in Ložek, 2001) | Čákovice | Czech Republic | | 50.151482 | 14.524843 | 2 Weichselian | 0.115 | 0.0117 | | Pleistocene | Ložek, V. 1990. Molluscs in loess: their paleocological significance and role in geochronology-Principles and methods. Quaternary International, 7/8, 71-79. |
| 4489 | Cambridge (Barnwell Abbey and East Road) | Cambridge | United Kingdom | | 52.027633 | 0.113337 | 2 Ilford (Uphall pit) | 0.251 | 0.195 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X |
| 4488 | Cambridge (Barwell station) | Cambridge | United Kingdom | | 52.131738 | 0.151442 | 2 Arctic Bould (late Pleistocene) | 0.126 | 0.0117 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1919. The non-marine mollusca of the Cambridgeshire Gravels. The Quarterly Journal of the Geological Society of London, 75, 279-291. |
| 4486 | Cambridge (Barrington) | Cambridge | United Kingdom | | 52.130838 | 0.035314 | 2 middle Pleistocene | 0.781 | 0.126 | | Pleistocene | FreshGEN team decision |
| 4487 | Cambridge (Barton, Lord's Bridge) | Cambridge | United Kingdom | | 52.172233 | 0.041453 | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X |
| 4490 | Cambridge (Grantchester) | Cambridge | United Kingdom | | 52.183037 | 0.091048 | 2 Ilford (Uphall pit) | 0.251 | 0.195 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X |
| 5825 | Cambridge (Histon Road) | Cambridge | United Kingdom | | 52.222031 | 0.1112341 | 2 Last Interglacial | 0.127 | 0.118 | | Pleistocene | Sparks, R., Webb, P. 1967. The Palaeontology of the Interglacial Deposits at Histon Road, Cambridge. Eiszeitlicher und Gegenwart Quarternary Journal, 10 (1), 123-143. |
| 4491 | Cambridge (Trumpington) | Cambridge | United Kingdom | | 52.171158 | 0.112884 | 2 Ilford (Uphall pit) | 0.251 | 0.195 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X |
| 2883 | Cannstatt (Cannstatt Station, Beilage 3 in Geyer, 1912 and II - the lower beds of Cannstatt in Geyer, 1913) | Cannstatt | Germany | | 48.806932 | 9.225574 | 2 Diluvial | 1.806 | 0.0117 | | Pleistocene | Geyer, D. 1913. Beiträge zur Kenntnis des Quartärs in Schwanen. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 69, 277-302. |
| 3336 | Cannstatt (Fellbach, south of the trainline, no 12b in Geyer, 1917) | Cannstatt | Germany | | 48.818399 | 9.271205 | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | | Pleistocene | Geyer, D. 1917. Die Mollusken des schwäbischen Lässes in Vergangenheit und Gegenwart. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 73, 23-92. |
| 3339 | Cannstatt (Katzensteigle, no 27 in Geyer, 1917) | Cannstatt | Germany | | 48.81483 | 9.230481 | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | | Pleistocene | Geyer, D. 1917. Die Mollusken des schwäbischen Lässes in Vergangenheit und Gegenwart. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 73, 23-92. |
| 3337 | Cannstatt (Waiblingen, south of the trainline, no 13b in Geyer, 1917) | Cannstatt | Germany | | 48.825005 | 9.301383 | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | | Pleistocene | Geyer, D. 1917. Die Mollusken des schwäbischen Lässes in Vergangenheit und Gegenwart. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 73, 23-92. |
| 4069 | Caours Puits and SPMI sections in Antoine et al., 2006) | Caours | France | | 50.130212 | 1.881982 | 2 Eemian | 0.125 | 0.115 | | Pleistocene | Antoine, P., et al. 2006. Le tuf de Caours (Somme, France) : mise en évidence d'une séquence emmenante et d'un site paléolithique associé. Quaternaire, 17 (4), 281-320. |
| 3229 | Capitone (group of localities in Esu and Girotti, 1974) | Capitone | Italy | | 42.610338 | 12.507763 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 2694 | Capitone (Locality A in Girotti, 1966) | Capitone | Italy | | 42.587024 | 12.471871 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 2697 | Capitone (Locality B in Girotti, 1966) | Capitone | Italy | | 42.588604 | 12.474875 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 4402 | Cappagh (lake at Cappagh House) | Cappagh | Ireland | | 51.953667 | -7.774607 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-129. |
| 5586 | Carboñia (Cortigiana [Iglesiente]) | Carboñia | Italy | | 39.214571 | 8.46334 | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5162 | Čašnički (boreholes 54, 55 and 56) | Čašnički | Belarus | Čašnički | 54.858409 | 29.18016 | Marvali Interstadial | 0.125 | 0.115 | | Pleistocene | Girotti, O., Mancini, M. 2003. Plio-Pleistocene stratigraphy and relations between marine and non-marine successions in the middle valley of the Tiber River (Latium, Umbria). II Quaternario, 16 (Bis), 89-106. |
| 765 | Casperia | Casperia | Italy | Aspra near Terni (Perugia) | 42.33824 | 12.6702 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 766 | Casperia (Fosso del Cannetaccio) | Casperia | Italy | Cannetaccio (Perugia): Fosso del Cannetaccio | 42.324349 | 12.669454 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 3344 | Cassino (Liri valley-A typical lacustrine facies) | Cassino | Italy | | 41.442115 | 13.780152 | 3 middle Pleistocene | 0.781 | 0.126 | | Pleistocene | FreshGEN team decision |
| 3345 | Cassino (Liri valley-B late lacustrine facies) | Cassino | Italy | | 41.442115 | 13.780152 | 3 middle Pleistocene | 0.781 | 0.126 | | Pleistocene | FreshGEN team decision |
| 3346 | Cassino (Liri valley-C non lacustrine travertine) | Cassino | Italy | | 41.442115 | 13.780152 | 3 middle Pleistocene | 0.781 | 0.126 | | Pleistocene | FreshGEN team decision |
| 768 | Castagneto | Castagneto | Italy | | 43.356171 | 11.322391 | 2 early Pleistocene | 2.588 | 0.781 | | Pleistocene | Wenz, J. 1923-1930. Fossilium Catalogus I. Animalia. Genera et Species, 1, Cetacea, 2, Cetacei. Napoli, G. 2011. The latest continental filling of Valle Umbra (Tiber Basin, Latium, Umbria). II Quaternario, 24 (1), 51-65. |
| 769 | Castel Ritaldi | Castel Ritaldi | Italy | Castelritaldi near Spoleto (Perugia) | 42.822036 | 12.673881 | 2 1.1 Ma | 1.15 | 1.15 | | Pleistocene | Girotti, O., Mancini, M. 2003. Plio-Pleistocene stratigraphy and relations between marine and non-marine successions in the middle valley of the Tiber River (Latium, Umbria). II Quaternario, 16 (Bis), 89-106. |
| 770 | Castel San Pietro | Castel San Pietro | Italy | | 42.256348 | 12.717226 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 771 | Castellaccia | Castellaccia | Italy | Castellaccia near Massa Marittima (Grosseto) | 42.923215 | 11.025828 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|--|--|-----------------------|----------------|--|-----------|-----------|--|-------------------|---------------------|---------------------|-------------|--|
| 5081 | Castellón de la Plana (El Cuadro) | Castellón de la Plana | Spain | | 40.004687 | -0.130773 | 4.00589 Ma | 0.00589 | 0.00589 | | Holocene | Madura Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 4399 | Castlebar (200 yards W of Manulla Station, Lakelands Lake) | Castlebar | Ireland | | 53.827864 | -9.194708 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0006-7878(17)80019-5. |
| 4962 | Celákovice (left and right bank opposite Káraný) | Celákovice | Czech Republic | Káraný, Celákovice | 50.168609 | 14.739405 | 2 early Holocene | 0.0117 | 0.0078 | | Holocene | Petrobok, J. 1994a. Die Moluskfauna des unteren Holozäns vom Celákovice an der Elbe. Archiv für Molluskenkunde, 71 (4), 138-143. |
| 787 | Celeken peninsula (Apsheronian) | Celeken peninsula | Turkmenistan | Celeken (Caspian Sea, Turkmenistan); Island Celeken (Urus, Ergöz); Çeleken peninsula | 39.405428 | 53.128481 | 3 Apsheronian | 2.15 | 0.9 | | Pleistocene | Davtashvili, L.S. 1933. Fossils of the Apscheronian beds. In: Archangelsky, A.D., Davtashvili, L.S. (eds) Characteristic fossils of the oil districts of the Crimea and Caucasus. Transactions of the State Petroleum Research Institute, 12, 1-50. |
| 4444 | Celeken peninsula (Bakumian) | Celeken peninsula | Turkmenistan | Celeken (Caspian Sea, Turkmenistan); Island Celeken (Urus, Ergöz); Çeleken peninsula | 39.405428 | 53.128481 | 3 Bakumian | 0.9 | 0.4 | | Pleistocene | Nevezkaya, I.A. 1958. Cheverichnye morskiye molluski Turkmenii. Trudy Paleontologicheskogo Instituta, 65, 1-82. |
| 4445 | Celeken peninsula (Khvalian) | Celeken peninsula | Turkmenistan | Celeken (Caspian Sea, Turkmenistan); Island Celeken (Urus, Ergöz); Çeleken peninsula | 39.405428 | 53.128481 | 3 Khvalian | 0.2 | 0.0117 | | Pleistocene | Nevezkaya, I.A. 1958. Cheverichnye morskiye molluski Turkmenii. Trudy Paleontologicheskogo Instituta, 65, 1-82. |
| 5091 | Cella | Cella | Spain | | 40.453966 | -1.263458 | Quaternary (old boundaries) | 1.806 | 0 | | Pleistocene | Madura Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 3306 | Cerro Guidi (Casa S. Lorenzo) | Cerro Guidi | Italy | | 43.758883 | 10.879626 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Caredo, F., Esu, D., Testa, G. 1995. Il margine orientale del bacino Plio-Pleistocenico di Lucca-Montecarlo-Vinci: evoluzione stratigrafica e tectonica. Studi Geologici Camerti, Volume Speciale, 1, 235-253. |
| 2303 | Chagny | Chagny | France | | 46.910406 | 4.753819 | Zone de Saint-Cosme, partie antérieure (early Pleistocene) | 1.95 | 1.1 | | Pleistocene | Schlickum, W.R., Puisségur, J.-J. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundinus und Pyrgula nodotiana von Montagny-les-Bains (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/2), 1-26. |
| 2401 | Chagyrtta | Chagyrtta | Turkmenistan | | | | Apsheronian | 2.15 | 0.9 | | Pleistocene | Andrusov, N. 1923. Apsheroniskiy yarus. Trudy Geologicheskogo Komiteta, novaya seriya, 110, 1-294. |
| 5847 | Chaignay (level 20) | Chaignay | France | | 47.477582 | 5.089855 | 2 interglacial | 0.125 | 0.115 | | Pleistocene | Puisségur, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 5848 | Chaignay (levels 2 to 9) | Chaignay | France | | 47.477582 | 5.089855 | Mindel/Riss | 0.41 | 0.38 | | Pleistocene | Puisségur, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 797 | Chalon-sur-Saône (Saint-Cosme) | Chalon-sur-Saône | France | Saint Cosme (Saône-et-Loire) | 46.777023 | 4.846001 | Zone de Saint-Cosme, partie antérieure (early Pleistocene) | 1.95 | 1.1 | | Pleistocene | Schlickum, W.R., Puisségur, J.-J. 1977. Die Molluskenfauna des Alopleistozäns von St. Bernard (Département Côte-d'Or). Archiv für Molluskenkunde, 107 (4/6), 273-283. |
| 3460 | Chancy (fluvial silt of Laire, 800 m SE of Chancy, level L station 9 in Favre, 1927) | Chancy | Switzerland | | 46.142381 | 5.975751 | 2 paleolithic (end) | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 17-434. |
| 4439 | Charyshy | Charyshy | Turkmenistan | | 41.20033 | 57.48654 | 2 Pleistocene | 0.781 | 0.0117 | | Pleistocene | FreshGEN team decision |
| 3241 | Châtillon (Bay of Hautecombe) | Châtillon | France | | 45.751838 | 5.840012 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3241 | Châtillon (Brison) | Châtillon | France | | 45.755869 | 5.876266 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3249 | Châtillon (Châtillon bay) | Châtillon | France | | 45.800396 | 5.846031 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3242 | Châtillon (Gérle-port Chiron) | Châtillon | France | | 45.671846 | 5.856985 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3235 | Châtillon (Groisne) | Châtillon | France | | 45.799829 | 5.858777 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3248 | Châtillon (La Châtre) | Châtillon | France | | 45.794329 | 5.820805 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3249 | Châtillon (Pierre-du-Quart) | Châtillon | France | | 45.78172 | 5.863695 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 3228 | Châtillon (S of Marais de Chautagne, house of Apôtres, Grousin) | Châtillon | France | | 45.798808 | 5.856676 | 2 Iron Age | 0.0028 | 0.002 | | Holocene | Favre, J. 1940. La faune malacologique post-glaçière et actuelle du lac du Bourget. Annales de l'Ecole Nationale des Eaux et Forêts et de la Station de recherches et expériences forestières, 7 (2), 295-444. |
| 4414 | Chatteris | Chatteris | United Kingdom | | 52.452646 | 0.056145 | 2 Holocene | 0.0117 | 0 | | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. |
| 5813 | Cheth (Bazylany) | Cheth | Poland | Cheth | 51.113264 | 23.477541 | 2 younger series | 1.806 | 0.0117 | | Pleistocene | Skompski, S. 1988. Role of malacological investigations for stratigraphy of the Quaternary of southeastern Poland. Kwartalnik Geologiczny, 33 (3/4), 525-540. |
| 5809 | Cheth (Biel-Płonki) | Cheth | Poland | Cheth | 51.143922 | 23.476052 | 2 younger series | 1.806 | 0.0117 | | Pleistocene | Przyborowski, M. 1952. Sposzeźrenia geologiczne z Dzorcza Bugu. Biuletyn Państwowego Instytutu Geologicznego, 65 (1), 313-364. |
| 5814 | Cheth (Horodyszcze) | Cheth | Poland | Cheth | 51.170982 | 23.445078 | 2 older series | 2.588 | 1.806 | | Pleistocene | Skompski, S. 1989b. Role of malacological investigations for stratigraphy of the Quaternary of southeastern Poland. Kwartalnik Geologiczny, 33 (3/4), 525-540. |
| 5511 | Cheth (profile JS-25, phases I to IV) | Cheth | Poland | Cheth | 51.304167 | 23.365278 | 1 late Glacial | 0.0147 | 0.01156 | | Pleistocene | Kulesza, P., Suchora, M., Padek, I.A., Aleksowicz, W.P. 2011. Chronology and directions of Late Glacial paleoenvironmental changes: A multi-proxy study on sediments of Lake Stone (SE Poland). Quaternary International, 238, 89-106. |
| 5571 | Cheth (profile JS-25, phases IV to VII) | Cheth | Poland | Cheth | 51.304167 | 23.365278 | 1 Holocene | 0.0117 | 0 | | Holocene | Kulesza, P., et al. 2012. The Holocene paleoenvironmental changes reflected in the multi-proxy studies of Lake Stone sediments (SE Poland). Palaeogeography, Palaeoclimatology, Palaeoecology, 363-364, 79-98. |
| 5812 | Cheth (Szpitualna Street) | Cheth | Poland | Cheth | 51.146026 | 23.456523 | 2 younger series | 1.806 | 0.0117 | | Pleistocene | Skompski, S. 1988. Role of malacological investigations for stratigraphy of the Quaternary of southeastern Poland. Kwartalnik Geologiczny, 33 (3/4), 525-540. |
| 4415 | Cherry Hinton (old marsh) | Cherry Hinton | United Kingdom | | 52.190271 | 0.170271 | 2 Holocene | 0.0117 | 0 | | Holocene | Favre, J. 1922. The Post-Pliocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. |
| 805 | Chianciano | Chianciano | Italy | Chianciano near Siena | 43.059231 | 11.830766 | Gelasian to Calabrian | 2.588 | 0.781 | | Pleistocene | Bizziari, R., Baldanza, A. 2009. Plio-Pleistocene deltaic deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relations with the South Chiana Valley fluvial deposits. Il Quaternario, 22 (2), 127-138. |
| 806 | Chianciano Terme (Acquasanta) | Chianciano Terme | Italy | Aqua Santa near Chianciano (Siena) | 43.041355 | 11.817037 | Gelasian to Calabrian | 2.588 | 0.781 | | Pleistocene | Bizziari, R., Baldanza, A. 2009. Plio-Pleistocene deltaic deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relations with the South Chiana Valley fluvial deposits. Il Quaternario, 22 (2), 127-138. |
| 807 | Chianciano Terme (Valle del Roti) | Chianciano Terme | Italy | Valle del Roti near Chianciano (Siena) | 43.050262 | 11.818013 | Gelasian to Calabrian | 2.588 | 0.781 | | Pleistocene | Bizziari, R., Baldanza, A. 2009. Plio-Pleistocene deltaic deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relations with the South Chiana Valley fluvial deposits. Il Quaternario, 22 (2), 127-138. |
| Cieśle (N of Cieśle site on the southern bank of Lake Nieprzeszawskie, about 1.5 km S of village of Cieśle, table 3, figure 1, Apolinarska and Czerwka, 2006) | Cieśle | Poland | | | 52.347141 | 16.626965 | last Subboreal | 0.0147 | 0.0033 | | Holocene | Apolinarska, I., Czerwka, M. 2006. Last Subboreal and Holocene lacustrine molluscs from Wielkopolska (central Poland) and their environmental significance. Acta Geologica Polonica, 56 (1), 51-66. |
| Cieśle (Nieprzeszawskie-Cieśle site, on the southern bank of Lake Nieprzeszawskie, about 1.5 km S of village of Cieśle, samples 9-27, table 4, in Apolinarska and Czerwka, 2006) | Cieśle | Poland | | | 52.347141 | 16.626965 | middle Subboreal to present | 0.0046 | 0 | | Holocene | Apolinarska, I., Czerwka, M. 2006. Last Glacial and Holocene lacustrine molluscs from Wielkopolska (central Poland) and their environmental significance. Acta Geologica Polonica, 56 (1), 51-66. |
| 1 Çiftlikköy (hilltop W of road D695) | Çiftlikköy | Çiftlikköy | Turkey | | 37.728841 | 31.693584 | 2 Ma | 0.04685 | 0.0438 | | Pleistocene | Güler, P., Girod, A. 2013. A new Plio-Pleistocene Valvata species from Lake Beyşehir and two new Gyraulus species from Lake Eğirdir (Mollusca: Gastropoda: Valvatidae). Folia Malacologica, 21 (1), 25-31. |
| 2318 | Cigdemli | Cigdemli | Turkey | | 39.966596 | -41.02379 | (Gelasian) | 2.588 | 1.806 | | Pleistocene | Schütt, H. 1991. Fossile Mollusken dreier stratigraphischer Oasen. Archiv für Molluskenkunde, 120 (4/6), 131-147. |
| 819 | Cigliano | Cigliano | Italy | Colle Cigliano | 45.30836 | 8.02102 | 2 late Villafranchian | 3.5 | 1.1 | | Pleistocene | Wenz, W. 1923-1930. Fossilien Catalogus I. Animalia. Gastroptera extramaria teraria. W. Junk, Berlin. |
| 5349 | Cíec (site A in table 9 in Ložek, 1964, fluvial deposits) | Cíec | Czech Republic | | 50.217903 | 14.982122 | 2 early Riss | 0.38 | 0.3 | | Pleistocene | Ložek, V. 1964. Quartärmarken der Tschechoslowakei. Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 5771 | Cíjlap-Prut (S of village, Quaternary) | Cíjlap-Prut | Moldova | Cíjlap-Prut; Casita-Prut; Cisita-Prut | 45.526615 | 28.168502 | Quaternary (old boundaries) | 1.806 | 0 | | Pleistocene | Maciocvici, N. 1971. Recherches géologiques et paléontologiques dans la Bassessarie méridionale (Roumanie). Annales scientifiques de l'Université de Jassy, 56 (1), 177-422. |
| 822 | Città della Pieve | Città della Pieve | Italy | | 42.95394 | 12.00485 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esi, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 3250 | Città della Pieve (Podogello) | Città della Pieve | Italy | Podogello | 42.95394 | 12.00485 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esi, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 823 | Città della Pieve (San Biagio) | Città della Pieve | Italy | Biagio near Città della Pieve (Perugia) | 42.986285 | 12.016979 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Esi, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 824 | Città di Castello | Città di Castello | Italy | | 43.461392 | 12.238913 | 2 Galerian | 1.1 | 0.45 | | Pleistocene | Petroni, C., Cicali, P., Calò, C., Esi, D., Girotti, O., Sardella, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Latium (Central Italy). Geologica Romana, 36, 369-387. |
| 4481 | Clacton-on-Sea (Borehole A - Ho Ilfa) | Clacton-on-Sea | United Kingdom | | 51.790235 | 1.139901 | II Hexanic Zone Ho | 0.4 | 0.39 | | Pleistocene | Kerney, M.P. 1971. Interplaciar deposits in Barnfield pit, Swanscombe, and their molluscan fauna. Journal of the Geological Society, 127, 69-93. |
| 4481 | Clacton-on-Sea (Borehole B - Ho Ilfa) | Clacton-on-Sea | United Kingdom | | 51.790235 | 1.139901 | II Hexanic Zone Ho | 0.41 | 0.4 | | Pleistocene | Kernay, M.P. 1971. Interplaciar deposits in Barnfield pit, Swanscombe, and their molluscan fauna. Journal of the Geological Society, 127, 69-93. |
| 5791 | Clanreen (Clanreen crannage) | Clanreen | Ireland | | 52.904001 | -8.981186 | 4 post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. |
| 5833 | Cléney (Norges tributary, levels 3-4-5) | Cléney | France | | 47.401914 | 8.122231 | 2 Subatlantic | 0.0028 | 0 | | Holocene | Puisségur, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 5836 | Cléney (Norges tributary, levels 6 to 18) | Cléney | France | | 47.401914 | 5.122231 | Younger Dryas to Subarctic | 0.0129 | 0.0028 | | Holocene | Puisségur, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 4380 | Clonbrock (NE Galway) | Clonbrock | Ireland | | 53.419507 | -8.384831 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. |
| 830 | Colle della Colonella | Colle della Colonella | Italy | Colline della Colonna; Colline della Colonna; Colline della Colosella | 42.023092 | 12.773445 | 2 Villafranchian | 3.5 | 1.1 | | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastroptera extramaria teraria. W. Junk, Berlin. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|---------------------|----------------|---------------------------------|-----------|-----------|---|-------------------|---------------------|---------------------|---|--|
| 2099 | Collevra | Collevra | Italy | | | | Vallisfrancum | | 3.5 | 1.1 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria tertiaria. W. Junk, Berlin. |
| 3282 | Collesalvetti | Collesalvetti | Italy | | 43.579862 | 10.471344 | early Middle Pleistocene | | 0.781 | 0.46 | Pleistocene | Esu, D., Giroli, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. II Quaternario, 4 (1a), 137-150. |
| 3540 | Collonge-Bellerive (Bellevire port, station 7 in Favre, 1935) | Collonge-Bellerive | Switzerland | | 46.253629 | 6.193744 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1935. Études sur la partie occidentale du lac de Genève. II Histoire malacologique du lac de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 41 (3), 295-414. |
| 3541 | Collonge-Bellerive (Savonnière cliff layers c.d.e, station 8 in Favre, 1935) | Collonge-Bellerive | Switzerland | | 46.264007 | 6.199767 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1935. Études sur la partie occidentale du lac de Genève. II Histoire malacologique du lac de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 41 (3), 295-414. |
| 3537 | Collonge-Bellerive (Savonnière, station 5 in Favre, 1935) | Collonge-Bellerive | Switzerland | | 46.263724 | 6.200599 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1935. Études sur la partie occidentale du lac de Genève. II Histoire malacologique du lac de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 41 (3), 295-414. |
| 834 | Cotishall | Cotishall | United Kingdom | | 52.720841 | 1.362087 | 2Gelasian | | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria tertiaria. W. Junk, Berlin. |
| 3280 | Comiso | Comiso | Italy | | 36.94948 | 14.605708 | 2Pleistocene | | 0.781 | 0.46 | Pleistocene | Esu, D., Giroli, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. II Quaternario, 4 (1a), 137-150. |
| 3480 | Confignon (Marais de Lully, station 26, levels I and II, in Favre, 1927) | Confignon | Switzerland | | 46.155686 | 6.075719 | Paleolithic (end) to Subatlantic | | 0.01 | 0 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 5096 | Constanta (Manica) | Constanta | Bulgaria | Mamaia | 44.245498 | 28.622403 | 2Subboreal | | 0.0956 | 0.0038 | Holocene | Petrovsk, J. 1941. Zur Kenntnis postglazialer Mollusken der Dobruja und Bessarabiens. Archiv für Molluskenkunde, 73 (5/6), 191-195. |
| 4037 | Conty (Champs-I-V, CST29.8,18.23,24,25) | Conty | France | | 49.75099 | 2.15483 | | 0.01229-0.00925 | | | Lamondin-Louzot, N., Antoine, P. 2001. Palaeoenvironmental changes inferred from malacofaunas in the Last glacial and early Holocene fluvial FreshGEN team decision | |
| 4648 | Copenhagen (Bispegaarden, bekværk med mørk) | Copenhagen | Denmark | | 55.695281 | 12.533329 | | | 0.01229 | 0.00925 | Holocene | FreshGEN team decision |
| 843 | Cormoz | Cormoz | France | Saint Amour-Cormoz (Ain) | 46.44934 | 5.230351 | 2MN 17 | | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 4361 | Corofin (Inaghna Lough) | Corofin | Ireland | Corrofin | 52.953279 | -0.075189 | 2post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1017/S0006-757817800019-5 |
| 579 | Corofin (Lough Corofin) | Corofin | Ireland | Corofin | 52.945214 | -9.062024 | 3post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1017/S0006-757817800019-5 |
| 4366 | Corofin (Rinroe) | Corofin | Ireland | Corrofin | 52.970104 | -8.998649 | 2post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1017/S0006-757817800019-5 |
| 4000 | Cortes de Baza (includes several samples from Robles, 1989) | Cortes de Baza | Spain | | 37.65514 | -2.77166 | 2Pliocene | | 2.588 | 0.0113 | Pleistocene | Bazán, R., Albaudi, I., Argote, P., Balanza, A., Colacicchi, R., Napoleone, G. 2011. The latest continental filling of Valle Umbra (Tiber Basin, Central Italy) dated to one million years ago by magnetotratigraphy. II Quaternario, 24 (1), 51-65. |
| 846 | Coste | Coste | Italy | Coste in Val di Tressa (Pengia) | 42.886184 | 12.771431 | 2.115 Ma | | 1.15 | 1.15 | Pleistocene | Antrieri, P., et al. 1992. Paläoklimaveränderungen an Pliocene moyen dans la vallée du Tarn: la formation traveincaise de la Rouquette (Cresse-Aveyron). Geobios, 14, 133-139. |
| 4347 | Cressels (La Roquette, samples M3 to M6) | Cressels | France | | 44.083853 | 3.049705 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Schmidt, R., et al. 2000. Changes in lake level and trophy at Lake Vrana, a large karstic lake on the Island of Cres (Croatia), with respect to paleoclimatic and anthropogenic impacts during the last approx. 16,000 years. J. Limnol., 59 (2), 113-130. |
| 5565 | Cres (VRA96 core, section C) | Cres | Croatia | | 44.852268 | 14.38814 | 2early Holocene | | 0.0117 | 0.0078 | Holocene | Petrick, S. 1999. Ein Beitrag zur Kenntnis von Thermen-Milieuflüssen (Limaenus, 1758) aus dem Einzugsbereich der Oder (Gastropoda: Prosobranchia: Neoglyptodontidae). Abhandlungen der Senckenbergischen Naturforschenden Gesellschaften, 299-301. |
| 3964 | Criewen (Mesolithic graves) | Criewen | Germany | | 53.010372 | 14.222372 | 2Ma | | 0.00677 | 0.00544 | Holocene | Nauert, E., Kandler, B., 1985. Warm- und kälterechte Molluskenfauna aus der nördlichen Oberhavelbene. In: Koenigswald, W. v. (Hrsg.). 1988. Zur Paläohydrologie des letzten Interzirkus im Nordteil der Oberhavelbene. Fischer Verlag, Stuttgart. |
| 5699 | Crumstadt (sample G) | Crumstadt | Germany | | 49.809285 | 8.514733 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Jasik, S., Krolikov, E. 1991. Negyedmilliókéig keregnagyökök és folyóvízi üdelekhálomzások a Dunai-völgyben Pak és Mohács között. Magyar Állami Földtanit Intézet Évi Jelentés 1965-ről, 133-147. |
| 5718 | Csatalja (56-62 m) | Csatalja | Hungary | | 46.036194 | 18.947039 | 2(old boundaries) | | 1.806 | 0.781 | Pleistocene | Krolikov, E. 1965. A Dorog-Esztergom-medence pleistocén körépímezének bioszistratigráfiai vizsgálata. Magyar Állami Földtanit Intézet Évi Jelentés 1965-ről, 133-147. |
| 5723 | Csolnok (profil no8) | Csolnok | Hungary | | 47.693542 | 18.713767 | Rise/Warm Interglacial to Warm | | 0.125 | 0.0117 | Pleistocene | Madurga Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 5077 | Cubillas (valley of river Cubillas) | Cubillas | Spain | | 37.277846 | -3.669894 | 2early Pleistocene (old boundaries) | | 1.806 | 0.781 | Pleistocene | Schlichkum, W.R., Püssiger, J.-I. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundinus und Pyrgula nodotiana von Montagny-les-Besme (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. |
| 863 | Cuisery | Cuisery | France | | 46.55696 | 4.99797 | 2MN 17 | | 1.95 | 1.1 | Pleistocene | FreshGEN team decision |
| 865 | Curciat-Dongalon (Les Vernaies) | Curciat-Dongalon | France | Le Vernaies (Ain) | 46.471384 | 5.167531 | | | 2.5 | 1.8 | Pleistocene | Alexandrowicz, S.W. 1983. Molluscan fauna of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 3935 | Czatkowice (Cz-below the monastery, in the stream channel) | Czatkowice | Poland | | 50.15392 | 19.635852 | 2.0084-0.0055 Ma | | 0.0084 | 0.0055 | Holocene | Alexandrowicz, S.W. 1983. Molluscan fauna of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 5576 | Czestochowa (Bleszno log) | Czestochowa | Poland | | 50.769363 | 19.155331 | 2Middle Holocene | | 0.0119 | 0.00585 | Holocene | Alexandrowicz, S.W., Kotwica, S. 1997. The molluscan fauna of Upper Vistulan and Holocene sediments at Bleszno near Czestochowa (Southern Poland). Fauna Polonica, 68, 189-201. |
| 5808 | Czakzyce | Czakzyce | Poland | | 51.223647 | 23.635277 | 2youngest part (old boundaries) | | 1.806 | 0.0113 | Pleistocene | Piotrowski, M. 1952. Spurenorganische Paläontologie z Dzwirza Bieg. Państwowy Instytut Geologiczny, 65 (1), 313-364. |
| 3211 | Dachau (Amper) | Dachau | Germany | | 48.288299 | 11.542331 | 3(Holocene) | | 0.00585 | 0 | Holocene | Schröder, R. 1915. Die Conchylien des Münchner Gebiets vom Pleistocen bis zur Gegenwart. Nachrichblatt der Deutschen Malakozoologischen Gesellschaft, 34, 97-133, 145-196. |
| 5094 | Daimiel (in Madurga Marco, 1973) | Daimiel | Spain | | 39.069899 | -3.614066 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Madurga Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 3166 | Damatria (section Rh3, samples R173-182 in Willmann, 1981) | Damatria | Greece | Damatria | 36.390335 | 28.084145 | Damatria Formation (early Pliocene) | | 2.3 | 1.3 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Paläontologische Abhandlungen, Amt. A, 124, 10-25. |
| 4055 | Daours (tufa sequence at Daours 94) | Daours | France | | 49.896244 | 2.452323 | 2Ma | | 0.00734 | 0.0049 | Holocene | Hagmann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des Pays Helléniques, 28, 299-333. |
| 136 | Dardasteph | Dardasteph | Greece | | 37.770715 | 21.571197 | 4Gelasian | | 2.588 | 1.806 | Pleistocene | Wittich, E. 1902. Diäthyle und rezent Conchylienfauna der Dardastäder Gegend. Nachrichblatt der Deutschen Malakozoologischen Gesellschaft, 34, 113-122. |
| 4640 | Darmstadt (Kleinert at Gundernhausen, 13 km NE of Darmstadt) | Darmstadt | Germany | | 49.867613 | 8.790493 | 3Diluvial | | 1.806 | 0.0117 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Paläontologische Abhandlungen, Amt. A, 124, 10-25. |
| 873 | Datağa (incl. samples in Willmann, 1981, precise localities unknown) | Datağa | Turkey | Dadia (Karien); Datağa | 36.73 | 27.68 | 2early Pleistocene (old boundaries) | | 1.7 | 1.4 | Pleistocene | Jasik, S., Krolikov, E. 1991. Negyedmilliókéig keregnagyökök és folyóvízi üdelekhálomzások a Dunai-völgyben Pak és Mohács között. Magyar Állami Földtanit Intézet Évi Jelentés 1989-90, 65-84. |
| 5711 | Divód (borhole 47) | Divód | Hungary | | 45.997916 | 18.918092 | | | 1.806 | 0.781 | Pleistocene | Sparks, B. 1955. Notes on four Quarternary deposits in the Cambridge region, England. Proceedings of the Royal Society of London, Series A, 234, 460-463. |
| 5689 | Debden Water | Debden Water | United Kingdom | | 51.98279 | 0.233043 | 2Holocene | | 0.0117 | 0 | Holocene | Kromm, T. 1907. Vorläufige Bericht über eine interessante pleistozäne Molluskenfauna in Südtirol. Nachrichblatt der Deutschen Malakozoologischen Gesellschaft, 3, 155-162. |
| 3154 | Deliblato (Deliblato sand) | Deliblato | Serbia | | 44.89066 | 21.113679 | 3Diluvial | | 1.806 | 0.0117 | Pleistocene | Madurga Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 5079 | Dénia (Casa Server, coastal zone NE of Cullera to Dénia, lowlands of Vergel, Oliva and Pego) | Dénia | Spain | Dénia | 38.900614 | -0.036389 | 3Subboreal | | 0.008 | 0.0025 | Holocene | FreshGEN team decision |
| 3863 | Dhimitra (Dhimitra-2) | Dhimitra | Greece | Dhimitra; Dimitra; Chepeljés | 40.980481 | 23.839631 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Syrides, G., Kotsopoulos, K. 1994. A new Pliocene locality with continental mollusks and macrofauna in Strymon Basin (Macedonian, Greece). Proceedings of the 7th Congress, Thessaloniki, Bulletin of the Geological Society of Greece, 30 (1), 331-339. |
| 886 | Diemeritzburg | Diemeritzburg | Netherlands | | 52.33815 | 4.9665 | 2early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, B. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria tertiaria. W. Junk, Berlin. |
| 3088 | Diesen am Ammersee (Riederau 4 km N Diesen am Ammersee, no 40 in Dehm, 1967) | Diesen am Ammersee | Germany | | 47.98368 | 11.09523 | 2Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discula ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 3077 | Diesen am Ammersee (Romthalst bis St. Georgen, no 27 in Dehm, 1967) | Diesen am Ammersee | Germany | | 47.949199 | 11.109651 | 2Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discula ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 5557 | Diesen am Ammersee (subfossil shells in I, II and III in Burmeister, 1994) | Diesen am Ammersee | Germany | | 48.008507 | 11.118768 | 3(Holocene) | | 0.0117 | 0 | Holocene | FreshGEN team decision |
| 3100 | Diebener Bach (A, outcrop 2, valley next to Diesen village, p.10) | Diebener Bach | Germany | | 48.434681 | 8.6569182 | 2Jüngere Kalktrappe | | 0.0117 | 0 | Holocene | Geyer, D. 1912. Die Molluskenfauna der diluvialen und postdiluvialen Kalktrappe des Diesener Tales, eine biologisch-geologische Studie. Mitteilungen der Geologischen Abteilung des K. Württembergischen Statistischen Landesamtes, 9, 1-55. |
| 3101 | Diebener Bach (A, outcrop 5, at the stream, p.12) | Diebener Bach | Germany | | 48.423794 | 8.637659 | 2Jüngere Kalktrappe | | 0.0117 | 0 | Holocene | Geyer, D. 1912. Die Molluskenfauna der diluvialen und postdiluvialen Kalktrappe des Diesener Tales, eine biologisch-geologische Studie. Mitteilungen der Geologischen Abteilung des K. Württembergischen Statistischen Landesamtes, 9, 1-55. |
| 3102 | Diebener Bach (A, outcrop 6c, near Dettinger Fabrik, p.13) | Diebener Bach | Germany | | 48.424785 | 8.635947 | 2Jüngere Kalktrappe | | 0.0117 | 0 | Holocene | Geyer, D. 1912. Die Molluskenfauna der diluvialen und postdiluvialen Kalktrappe des Diesener Tales, eine biologisch-geologische Studie. Mitteilungen der Geologischen Abteilung des K. Württembergischen Statistischen Landesamtes, 9, 1-55. |
| 3103 | Diebener Bach (B, outcrop 4, Diesener Sigmühle, Geyer, 1912, p.16 and Geyer, 1913, p.278) | Diebener Bach | Germany | | 48.419955 | 8.598952 | 3Ältere Kalktrappe | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1912. Die Molluskenfauna der diluvialen und postdiluvialen Kalktrappe des Diesener Tales, eine biologisch-geologische Studie. Mitteilungen der Geologischen Abteilung des K. Württembergischen Statistischen Landesamtes, 9, 1-55. |
| 3104 | Diebener Bach (B, outcrop 6a, near Dettinger Fabrik, p.18) | Diebener Bach | Germany | | 48.424805 | 8.629921 | 2Ältere Kalktrappe | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1912. Die Molluskenfauna der diluvialen und postdiluvialen Kalktrappe des Diesener Tales, eine biologisch-geologische Studie. Mitteilungen der Geologischen Abteilung des K. Württembergischen Statistischen Landesamtes, 9, 1-55. |
| 3105 | Diebener Bach (B, outcrop 6b, near Dettinger Schafhaus, p.19) | Diebener Bach | Germany | | 48.427433 | 8.633554 | 2Ältere Kalktrappe | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1913. Über die in Niedersachsen während des Quartärs erschlossenen Mollusken. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereines, Neue Folge, 3, 32-54. |
| 2976 | Diebener Bach (Diesen) | Diebener Bach | Germany | | 48.421961 | 8.620647 | 3Diluvial | | 1.806 | 0.0117 | Pleistocene | Claar, A., Doer, G., Püssiger, J. 1972. Un exemple de sédimentation quaternaire dans les vallées de moyenne importance en domaine paléarctique. Bulletin de l'Association française pour l'étude du quaternaire, 9 (2), 101-124. DOI: 10.3406/quate.1972.1 |
| 5851 | Dijon (1500 m NW of Arceno, F3) | Dijon | France | | 47.386413 | 5.188389 | 2Holocene | | 0.0117 | 0 | Holocene | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|--------------------|---|-----------|-----------|---------------------------|-------------------|---------------------|---------------------|-------------|--|
| 5850 | Dijon (South of Flacey, F1 and F2) | Dijon | France | | 47.426113 | 5.148921 | 2Holocene | | 0.0117 | 0 | Holocene | Clae, A., Doret, G., Pasquier, J.-J. 1972. Un exemple de sédimentation quaternaire dans les vallées de moyenne importance en domaine préforestier. Bulletin de l'Association française pour l'étude du quaternaire. 9 (2), 101-124. DOI: 10.3406/quatu.1972.1 |
| 7775 | Dinkelscherben (Uhldenberg) | Dinkelscherben | Germany | | 48.36665 | 10.600003 | 2early Pleistocene | | 2.588 | 0.781 | Pleistocene | FreshGEN team decision |
| 5370 | Dlhaloune (site I in table 11 in Ložek, 1964, spring and stream deposits) | Dlhaloune | Czech Republic | | 49.454202 | 17.415471 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 5359 | Dobromírice (site D in table 10 in Ložek, 1964) | Dobromírice | Czech Republic | | 50.370003 | 13.794699 | 2late Würm | | 0.025 | 0.0117 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 3894 | Dolní Chabry (surface of PK L table 8 in Ložek, 2001) | Dolní Chabry | Czech Republic | | 50.145873 | 14.447972 | 2Interpleniglacial | | 0.038 | 0.03 | Pleistocene | Ložek, V. 2001. Molluscan fauna from the loess series of Bohemia and Moravia. Quaternary International. 76/77, 141-156. |
| 5346 | Dolní Věstonice (N in table 6 in Ložek, 1964) | Dolní Věstonice | Czech Republic | | 48.887826 | 16.64367 | 2late Riss | | 0.2 | 0.125 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 3895 | Dolní Věstonice (site C in table 2 in Ložek, 2001, J in table 5 in Ložek, 1964 and O in table 6 in Ložek, 1964) | Dolní Věstonice | Czech Republic | | 48.887826 | 16.64367 | 2Weichselian | | 0.115 | 0.0117 | Pleistocene | Ložek, V. 2001. Molluscan fauna from the loess series of Bohemia and Moravia. Quaternary International. 76/77, 141-156. |
| 2407 | Domashka | Domashka | Russian Federation | Domashka | 52.989371 | 50.770912 | 2Kavkazian | | 3.2 | 1.62 | Pleistocene | Pavlov, A.P. 1925. Dépôts néogènes et quaternaires de l'Europe méridionale et orientale. Stratigraphie comparée des couches d'eau douce. Mém. Sect. Géol. Soc. Amis Sciences Nat., Anthropol., Ethnogr., 3, 1-215. |
| 894 | Domsure (Le Villard) | Domsure | France | Le Villard-Domsure (Ain); Le Villard-de-Domsure (Ain); Le Villars-de-Domsure (Ain); Le Villars-de-Domsure (Ain); Villars-de-Domsure (Ain); Villars-de-Domsure (Ain) | 46.40132 | 5.291247 | 2MN 17 | | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 3226 | Dorgali (Nuraghe Su Casteddu, nera confluence of rivers Flumineddu, Fratale and Cedrino) | Dorgali | Italy | | 40.306269 | 9.540424 | 1Donau-Günz | | 2 | 0.46 | Pleistocene | Esi, D. 1978. La malacofauna continentale pliolepistocenica della formazione fluvio-lacustre di Nuraghe Su Casteddu (Sardegna Orientale) e sue implicazioni paleogeografiche. Geologica Romana, 17, 1-33. |
| 4061 | Dourges (MD section, Deûle valley) | Dourges | France | | 50.44921 | 2.974083 | 2M4 | | 0.01274 | 0.01096 | Pleistocene | Dervaux, E. et al. 2005. Longitudinal stratigraphy of Dourges (Nord de la France, bassin de la Deûle): évolution d'une zone lacustre et gisements paléohydrologiques. Quaternaire. 16 (3), 229-252. |
| 3477 | Douvaine (Marais de Veigy, station 24, level I, in Favre, 1927) | Douvaine | France | | 46.275036 | 6.249943 | 2to Boreal | | 0.01 | 0.008 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. |
| 3476 | Douvaine (Marais de Veigy, station 24, level II, in Favre, 1927) | Douvaine | France | | 46.275036 | 6.249943 | 2Subatlantic | | 0.008 | 0 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 40 (3), 171-434. |
| 5584 | Dovle | Dovle | Ukraine | | 49.034718 | 24.92117 | 2Odranjan | | 0.2 | 0.125 | Pleistocene | Alexandrowicz, W., Bogucki, A., Dmytryk, R., Lanczont, M. 2002. Malauskafuna lessów Niadniestrza Halickiego. Studia Geologiczna Polonica, 119, 253-290, 359-360. |
| 5262 | Drohojów | Drohojów | Poland | | 49.886069 | 22.784281 | 2Holocene | | 0.0117 | 0 | Holocene | Sankó, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. |
| 5790 | Drumcliffe (Drumcliff crannoge) | Drumcliffe | Ireland | | 52.867499 | -9.001131 | 3post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. |
| 4009 | Dubičiai (sections 1, 2, 4 flood-plain beds by the river Pelesa) | Dubičiai | Lithuania | river Kotra or Kata | 54.017148 | 24.743874 | 2Holocene | | 0.0147 | 0 | Holocene | Sankó, A., Vainorius, J., Melėtytė, M. 2010. Malauskafana of Holocene freshwater calcareous deposits of Lithuania. Geologia, 52 (1-4), 16-24. |
| 3933 | Dubie (Dib-right bank of Racławka stream near the mouth of Zary gorge) | Dubie | Poland | | 50.159701 | 19.691135 | 20.008-0.0109 Ma | | 0.008 | 0.0039 | Holocene | Alexandrowicz, S.W. 1983. Malauskafana of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 3934 | Dubie (Rc-Racławka, left side of the valley) | Dubie | Poland | | 50.166735 | 19.683329 | 20.009-0.0002 Ma | | 0.0091 | 0.002 | Holocene | Alexandrowicz, S.W. 1983. Malauskafana of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 4370 | Dublin (W of Dunsoughly Castle) | Dublin | Ireland | | 53.429 | -6.316814 | 2post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. |
| 5172 | Dubroňina (Buroye 1 and 2, Berestenevo) | Dubroňina | Belarus | | 54.643805 | 30.831839 | 3Holocene | | 0.0117 | 0 | Holocene | Sankó, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. |
| 5123 | Dubrova (borehole 86) | Dubrova | Belarus | | 52.63173 | 29.385378 | 2Interglacial | | 0.125 | 0.115 | Pleistocene | Sankó, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. |
| 3904 | Dūkštas (Brakeliskas village, right bank of the Dūkšta rivulet valley) | Dūkštas | Lithuania | Dūkšta | 54.826557 | 24.98246 | 2Ma | | 0.00635 | 0.00445 | Holocene | Sankó, A., Gaigalas, A., Rudnickaitė, E., Melėtytė, M. 2006. Holocene malauskafana in calcareous deposits of Dūkšta site near Masiagala in Lithuania. Geologia, 50 (4), 290-298. |
| 5028 | Dunasalmás (location 4 in Krolikov, 1976c) | Dunasalmás | Hungary | | 47.726725 | 18.325339 | 2(till boundaries) | | 1.806 | 0.781 | Pleistocene | Krolikov, I. 1976. Malauskafana tufákkal. O. F. Müller, 1770-a magyarországi pleisztocén képződményekből. Szoszna, 4, 51-56. |
| 3254 | Dunarobba (includes former lignite mine and quarries around fossil forest) | Dunarobba | Italy | | 42.670888 | 12.45163 | 2early Early Pliocene | | 1.806 | 1.806 | Pleistocene | Török, P. et al. 1995. The fossil record of Dunarobba (Terni, Umbria, Italy centrale): contesto istrostratigrafico, sedimentologico, palinologico, dendrocronologico e paleohydrogeografico. Quaternario, 8, 465-508. |
| 4360 | Dundrum (Tyrella, E of the Bay of Dundrum) | Dundrum | United Kingdom | | 54.25643 | -5.779633 | 2post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5. |
| 5880 | Dunshaughlin (Zones V to VIII from various points) | Dunshaughlin | Ireland | Mór Dálmhan, Bog of the Ox | 53.515894 | -6.523525 | 2upper Holocene | | 0.00585 | 0 | Holocene | FreshGEN team decision |
| 913 | Dunwich | Dunwich | United Kingdom | | 52.277348 | 1.632571 | 2(Gelasian) | | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus A. Animalia. Gastroptoda straminaria teretaria. W. Junk, Berlin. |
| 4066 | Durankulak (stages DI, DII, DIII) | Durankulak | Bulgaria | | 43.6661 | 28.530336 | 2Ma | | 0.0069-0.00148 | 0.0069-0.00148 | Holocene | Shopov, V., Yankova, D. 1987. Holocene gastropod fauna from the lakes of Durankulak and Sabla-Ezerce [in Bulgarian]. Palaeontology, Stratigraphy and Lithology, 19, 24, 67-80. |
| 4500 | Durham (Warren House Gill) | Durham | United Kingdom | | 54.774066 | -1.310896 | 2mid-late Pliocene | | 0.0117 | 0 | Pleistocene | Leeson, J. 1974. On a deposit of interglacial loess, and some transported Preglacial freshwater clays on the Durham coast. The Quarterly Journal of the Geological Society of London, 75, 172-203. |
| 5704 | Duvenseee (Duvenseer Moor) | Duvenseee | Germany | | 53.699814 | 10.550019 | 2Boreal to early Atlantic | | 0.009 | 0.0067 | Holocene | Tükelik, F. 1929. Untersuchungen über spät- und postglaziale Ablagerungen in Becken der kuppigen Grundmoränenlandschaft Schleswig-Holsteins. Archiv für Hydrobiologie, 20, 345-398. |
| 5018 | Dyuni (Arkinino, Litoranien-atlantique, I in Petrikov, 1940a) | Dyuni | Bulgaria | | 42.329834 | 27.724636 | 2Atlantic | | 0.008 | 0.0056 | Pleistocene | Petrikov, J. 1940a. The Molluscs of the Bulgarian Quaternary. Spisanie na Balgarsko Geološko Družstvo, 11, 133-144. |
| 4833 | Dzierżgoń (faunal list, locality 22 in Alexandrowicz and Alexandrowicz, 2010) | Dzierżgoń | Poland | | 53.930468 | 19.341252 | 3Eemian | | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, A. 2010. Malauskafana in the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonicae, 80, 69-87. |
| 914 | Easton Bawents | Easton Bawents | United Kingdom | Easton Bawent (Norfolk) | 52.34525 | 1.689391 | 2Baventian | | 1.92 | 1.87 | Pleistocene | Hambin, B. 2001. The later Crags and associated fluvial deposits of East Anglia, Mercia, Geologic, 15 (2), 134-138. |
| 5916 | Eben (Eben-Emael, construction pit for conveyor-belt tunnel through the Jekerda) | Eben | Belgium | | 50.796885 | 5.679011 | 2Baventian | | 0.0117 | 0 | Holocene | Feld Collection, 1975. Naturals Biodiversity Center, Liege. Janssen, A. (FreshGEN team decision) |
| 2675 | Eger (compiled data from Füköh, 2012 and Krolikov et al., 1989) | Eger | Hungary | Eger? Várlébánrostál É. Vasútállomásnál É. Tetevnyár utca! pince! ÉNy kisz, patak régi meder, Széthányá | 47.903399 | 20.381475 | 2early Würm | | 0.1 | 0.1 | Pleistocene | Krolikov, I. 1974. Corbicula fluminalis (O. F. MÜLLER 1774) előfordulása a magyarországi pleisztocén üledékekben. Szoszna, 6, 3-8. |
| 2669 | Eger (Hűhőpar) | Eger | Hungary | | 47.905578 | 20.380088 | 2early Würm | | 0.1 | 0.1 | Pleistocene | Krolikov, I. 1978. Corbicula fluminalis (O. F. MÜLLER 1774) előfordulása a magyarországi pleisztocén üledékekben. Szoszna, 6, 3-8. |
| 2678 | Eger (on the Zarkandy bastion of the fortress Eger) | Eger | Hungary | | 47.90508 | 20.379109 | 2early Würm | | 0.1 | 0.1 | Pleistocene | Krolikov, I. 1978. Corbicula fluminalis (O. F. MÜLLER 1774) előfordulása a magyarországi pleisztocén üledékekben. Szoszna, 6, 3-8. |
| 3085 | Eggenthal (Wien 2 km SE Eggenthal, near Schleifmühle, no 35 in Dehm, 1967) | Eggenthal | Germany | | 47.907012 | 10.530311 | 2Postglacial | | 0.01 | 0.003 | Holocene | Döhn, R. 1967. Die Landschäfte Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 3120 | Ehingen (Donau) (C30: Laufenmühle, Lauterach OA. Ehingen a.D., in Geyer, 1915, p.92) | Ehingen (Donau) | Germany | | 48.251285 | 9.584099 | 2Jüngere Kalknasse | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalknasse. Jahrestheft des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 4636 | Ehringsdorf (no 12 in van Regteren Altena, 1957) | Ehringsdorf | Germany | | 50.960652 | 11.346999 | 3late Riss | | 0.2 | 0.125 | Pleistocene | van Regteren Altena, C.G. 1957. Palaeoecology of the Brabant Loam (the Netherlands). Mijnbankkundige Genootschap, Geologische Serie, 17, 121-138. |
| 5184 | Eindhoven (Acht, site 5b) | Eindhoven | Netherlands | | 51.54775 | 5.413056 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5185 | Eindhoven (Acht, site 6a and b) | Eindhoven | Netherlands | | 51.478899 | 5.418333 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5178 | Eindhoven (Beste Heide, site 3) | Eindhoven | Netherlands | | 51.508611 | 5.413611 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5191 | Eindhoven (Castenray, site 17) | Eindhoven | Netherlands | | 51.490833 | 6.0105 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5180 | Eindhoven (Eindhoven, site 10) | Eindhoven | Netherlands | | 51.468056 | 5.506111 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5181 | Eindhoven (Eindhoven, site 13a and b) | Eindhoven | Netherlands | | 51.457778 | 5.455833 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5188 | Eindhoven (Eindhoven, site 14) | Eindhoven | Netherlands | | 51.433889 | 5.429167 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5189 | Eindhoven (Eindhoven, site 15) | Eindhoven | Netherlands | | 51.435556 | 5.466957 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5183 | Eindhoven (Eindhoven, site 7b) | Eindhoven | Netherlands | | 51.468333 | 5.418056 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5184 | Eindhoven (Eindhoven, sites 8a and b) | Eindhoven | Netherlands | | 51.478024 | 5.450726 | 2late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5185 | Eindhoven (Eindhoven, site 9) | Eindhoven | Netherlands | | 51.461667 | 5.472222 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5179 | Eindhoven (Ekkerwijk, site 4a and b) | Eindhoven | Netherlands | | 51.491778 | 5.44775 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5190 | Eindhoven (Helmond, site 16) | Eindhoven | Netherlands | | 51.469167 | 5.6625 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |
| 5177 | Eindhoven (Iedenhout, site 1) | Eindhoven | Netherlands | | 51.593056 | 5.170833 | 1late MIS3 | | 0.043 | 0.032 | Pleistocene | Meijer, T. 2010. Palaeoecology of the Brabant Loam (the Netherlands). 179-192. In: Bakels, C., et al. (eds) Van planten en slakken. Bundel aangeboden aan Wim Kuijper als dank voor veertig jaar lesgaven en determineren. Leiden. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | | Reference | |
|------|---|---------------------|----------------------------|------------------------------|-----------|-----------|--|-------------------|---------------------|---------------------|-------------|----------|--|--|
| 3997 | Eisenhüttenstadt (N of Fürstenberg an der Oder, borehole F44) | Eisenhüttenstadt | Germany | | 52.1514 | 14.677595 | Mazovian Interglacial 2 (Mazovian I) | | 0.41 | 0.38 | Pleistocene | | Skompski, S. 1982. Correlation of the Mazovian Interglacial of the western Poland with the Holstein Interglacial of the eastern part of German Democratic Republic. <i>Bulletin Panstwowe Instytutu Geologicznego</i> , 343 (5), 51-58. | |
| 4161 | Eisenstadt (Antua, station 8 in Frank, 2006) | Eisenstadt | Austria | | 47.766667 | 16.466667 | late Pleistocene? | | 0.126 | 0.0117 | Pleistocene | | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 4290 | El Jardin (5 km W of the village, M1, M2, core Ej in Taylor et al., 1998) | El Jardin | Spain | | 38.797019 | -2.365075 | | 2.00035 Ma | 0.00305 | 0.00305 | Holocene | | Taylor, D.M., Pedley, H.M., Davies, P., Wright, M.W. 1998. Pollen and mollusc records for environmental change in central Spain during the mid-Holocene. <i>The Holocene</i> , 8 (5), 605-612. DOI: 10.1191/09596789667891349 | |
| 5888 | Elmali (core KG 00-01) | Elmali | Turkey | Elmali | 36.725345 | 29.846079 | | 0.0092-0.00523 | | 0.0092 | 0.00523 | Holocene | | Galicki, S.J., Doerner, J.P. 2010. Holocene lake evolution in the Elmali basin, Southwest turkey. <i>Physical Geography</i> , 31 (3), 234-253. DOI: 10.2747/0707-030X.31.3.234 |
| 4418 | Ely (bed f) | Ely | United Kingdom | | 52.397173 | 0.263609 | younger than Bronze age | | 0.0028 | 0 | Holocene | | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. <i>Proceedings of the Geologists' Association</i> , 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. | |
| 4422 | Ely (South Level) | Ely | United Kingdom | part of the Bedford Level | 52.396563 | 0.342595 | early Holocene | | 0.0117 | 0.0078 | Holocene | | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. <i>Proceedings of the Geologists' Association</i> , 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. | |
| 5651 | Elze (Beds I and II) | Elze | Germany | | 52.116107 | 9.770907 | Mindel/Riss Interglacial | | 0.41 | 0.38 | Pleistocene | | Lüttig, G. 1953. Die Mollusken des Interglacials von Elze. <i>Palaeontologische Zeitschrift</i> , 27 (1/2), 67-84. | |
| 929 | Empoli | Empoli | Italy | | 43.717985 | 10.947526 | late Villafranchian | | 2 | 1.1 | Pleistocene | | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. <i>Paleontologia</i> . <i>Geologica Romana</i> , 13, 203-294. | |
| 1930 | Empoli (Orbana) | Empoli | Italy | | 43.717985 | 10.947526 | late Villafranchian | | 2 | 1.1 | Pleistocene | | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. <i>Paleontologia</i> . <i>Geologica Romana</i> , 13, 203-294. | |
| 4374 | Enniskillen (Castledcoole) | Enniskillen | United Kingdom | | 54.335202 | -7.601228 | post-Pleocene | | 1.806 | 0 | Pleistocene | | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5 | |
| 4376 | Enniskillen (Cross, 2 miles E of Enniskillen) | Enniskillen | United Kingdom | | 54.343781 | -7.580968 | post-Pleocene | | 1.806 | 0 | Pleistocene | | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5 | |
| 4378 | Enniskillen (Kilmamadow) | Enniskillen | United Kingdom | wood of the dog | 54.35 | -7.796 | post-Pleocene | | 1.806 | 0 | Pleistocene | | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5 | |
| 2884 | Euzweilingen (Riet valley, between Riet and Vaihingen) | Euzweilingen | Germany | | 48.897391 | 8.97527 | Alluvial | | 1.806 | 0.0117 | Pleistocene | | Geyer, D. 1913. Beiträge zur Kenntnis des Quartärs in Schwaben. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 69, 277-292. | |
| 3203 | Erding (Aufkirchen) | Erding | Germany | | 48.306017 | 11.864633 | (Hokocene) | | 0.0117 | 0 | Holocene | | Schröder, R. 1915. Die Conchylen des Münchner Gebiets vom Pleistocen bis zur Gegenwart. <i>Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft</i> , 5-4, 97-133, 145-196. | |
| 3210 | Erding (Erdinger Moos, Goldachermühle) | Erding | Germany | | 48.293081 | 11.904646 | (Hokocene) | | 0.0117 | 0 | Holocene | | Schröder, R. 1915. Die Conchylen des Münchner Gebiets vom Pleistocen bis zur Gegenwart. <i>Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft</i> , 5-4, 97-133, 145-196. | |
| 2401 | Ergosh | Ergosh | Turkmenistan | | | | Aphroterian | | 0.15 | 0.9 | Pleistocene | | Andrusov, N. 1923. Aphroterius vorus. <i>Trudy Geologicheskogo Komiteta, novaya seriya</i> , 110, 1-294. | |
| 5757 | Essen (Bottrop-Diluvium) | Essen | Germany | | 51.528978 | 6.944686 | Diluvial [Menzel, 1912] | | 0.46 | 0.0117 | Pleistocene | | Menzel, H. 1912. Die Quartärfauna des niederhessisch-westfälischen Industriebezirks. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , B, 64 (3), 177-200. | |
| 5759 | Essen (Culvert of wastewater, Altenessen-Diluvium) | Essen | Germany | | 51.483546 | 7.00368 | Diluvial [Menzel, 1912] | | 0.46 | 0.0117 | Pleistocene | | Menzel, H. 1912. Die Quartärfauna des niederhessisch-westfälischen Industriebezirks. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , B, 64 (3), 177-200. | |
| 5755 | Essen (Rhein-Herne-Kanal construction area-Alluvium) | Essen | Germany | | 51.579359 | 7.281418 | (Hokocene) | | 0.0117 | 0 | Holocene | | Menzel, H. 1912. Die Quartärfauna des niederhessisch-westfälischen Industriebezirks. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , B, 64 (3), 177-200. | |
| 5756 | Essen (Schake, Gelsenkirchen-Alluvium) | Essen | Germany | | 51.519813 | 7.088592 | (Hokocene) | | 0.0117 | 0 | Holocene | | Menzel, H. 1912. Die Quartärfauna des niederhessisch-westfälischen Industriebezirks. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , B, 64 (3), 177-200. | |
| 5766 | Essen (Schleuse IV, Heßler-Diluvium) | Essen | Germany | | 51.525833 | 7.044655 | Diluvial [Menzel, 1912] | | 0.46 | 0.0117 | Pleistocene | | Menzel, H. 1912. Die Quartärfauna des niederhessisch-westfälischen Industriebezirks. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , B, 64 (3), 177-200. | |
| 5758 | Essen (Schleuse VI at Herne-Diluvium) | Essen | Germany | | 51.564742 | 7.244868 | Diluvial [Menzel, 1912] | | 0.46 | 0.0117 | Pleistocene | | Menzel, H. 1912. Die Quartärfauna des niederhessisch-westfälischen Industriebezirks. <i>Zeitschrift der Deutschen Geologischen Gesellschaft</i> , B, 64 (3), 177-200. | |
| 3114 | Eßlingen (C15, Denkendorf OA, Eßlingen, Geyer, 1915, p.77) | Eßlingen | Germany | | 48.693119 | 9.318057 | 2 Jüngere Kalktrüffle | | 0.0117 | 0 | Holocene | | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktrüffle. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. | |
| 5859 | Éival (bog of the football field) | Éival | France | "Le Patey" | 46.507352 | 5.791568 | Boreal to Subatlantic | | 0.009 | 0 | Holocene | | Campi, M., Chau, L., Eicher, U., Mouthon, J., Richard, H., Urlicher, J.-P. 1983. L'auros (Bois primitivus Br.) d'Éival (Jura, France) et la sequence tard et postglaciaire sur les plateaux jurassiens. <i>Revue de Paléobiologie</i> , 2 (1), 61-85. | |
| 3333 | Eurach (Eurach 1 N of Penzberg) | Eurach | Germany | | 47.786881 | 11.344152 | 2 Interfacial | | 0.125 | 0.115 | Pleistocene | | Dehm, R. 1979. Die pleistozänen Mollusken aus der Bohrung Eurach 1. <i>Geologica Bavaria</i> , 80, 115-121. | |
| 4596 | Exmorra (10B-168, Urk Formation-Noordbergum Interglacial) | Exmorra | Netherlands | | 53.056644 | 5.463843 | Cromerian Complex- Interglacial IV | 0.0001-0.00148 | 0.502 | 0.472 | Pleistocene | | Müller, T., Priess, R.C. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) <i>The Early Middle Palaeolithic in Europe</i> . A.A. Balkema, Rotterdam, Brookfield. | |
| 4067 | Ezerets (stages El, ElII) | Ezerets | Bulgaria | Shabla, Shablenko | 43.590374 | 28.558624 | 2Ma | | 0.0069 | 0.00148 | Holocene | | Slobozh, V., Yankova, D. 1987. Holocene gastropod fauna from the lakes of Durankulak and Subla-Ezerec [in Bulgarian]. <i>Paleontology, Stratigraphy and Lithology</i> , 24, 67-89. | |
| 3160 | Faliraki (section Rh1, samples R1-5 in Willmann, 1981) | Faliraki | Greece | Falirakion | 36.354813 | 28.200359 | Krikita Formation (early Pleistocene) | | 1.5 | 1 | Pleistocene | | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. <i>Palaearctographica Abt. A</i> , 174, 10-235. | |
| 945 | Farneta | Farneta | Italy | Farnete near Siena | 43.227569 | 11.88024 | Faunae faunal unit (late Villafranchian) | | 1.4 | 1.1 | Pleistocene | | Bizziari, R., Baldanza, A. 2009. Plio-Pleistocene faecal deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relations with the South China Valley fluvial deposits. <i>Il Quaternario</i> , 22 (2), 127-138. | |
| 951 | Felixstowe | Felixstowe | United Kingdom | | 51.963735 | 1.3511 | Red Craig (Gelasian) | | 2.61 | 2.18 | Pleistocene | | Wenz, W. 1923-1930. <i>Fossilium Catalogus I. Animalia. Gastropoda extrazonaria tertiaris</i> . W. Junk, Berlin. | |
| 2310 | Fethiye (site 4 in De Ridder, 1965) | Fethiye | Turkey | | 37.609744 | 32.785578 | 2 late Pleistocene | | 0.126 | 0.0117 | Pleistocene | | De Ridder, J. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. <i>Paleogeography, Paleoclimatology, Palaeoecology</i> , 1, 225-254. | |
| 955 | Figline Valdarno | Figline Valdarno | Italy | Figline Val d'Arno (Firenze) | 43.618307 | 11.471779 | middle Villafranchian | | 2.6 | 2 | Pleistocene | | Edu, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. <i>A survey</i> . <i>Il Quaternario</i> , 4 (1a), 137-150. | |
| 957 | Foligno | Foligno | Italy | Foligno near Rome | 42.950646 | 12.703257 | 21.5 Ma | | 1.15 | 1.15 | Pleistocene | | Bizziari, R., Baldanza, A. 2009. Plio-Pleistocene faecal deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relations with the South China Valley fluvial deposits. <i>Il Quaternario</i> , 24 (1), 51-65. | |
| 959 | Fonelas | Fonelas | Spain | | 37.413459 | -3.174412 | 2 MN 17 | | 2.5 | 1.8 | Pleistocene | | Veraso, C., et al. 2006. A large-mammal site in a meandering fluvial context (Fonelas P-1, Late Pliocene, Guadix Basin, Spain). <i>Sedimentological FreshGEN team decision</i> | |
| 960 | Fornace Eusebi | Fornace Eusebi | Italy | | 42.278896 | 12.693915 | 2 late Villafranchian | | 2 | 1.1 | Pleistocene | | Veraso, C., et al. 2006. A large-mammal site in a meandering fluvial context (Fonelas P-1, Late Pliocene, Guadix Basin, Spain). <i>Sedimentological FreshGEN team decision</i> | |
| 2101 | Fornaci di Gagliano | Fornaci di Gagliano | Italy | | | | Villafranchian | | 3.5 | 1.1 | Pleistocene | | Wenz, W. 1923-1930. <i>Fossilium Catalogus I. Animalia. Gastropoda extrazonaria tertiaris</i> . W. Junk, Berlin. | |
| 2859 | Fürburch (800 m SW of Fürburch) | Fürburch | Germany | | 48.122414 | 10.355462 | Unterer Deckenschotter (Bavaria) | | 1.7 | 0.73 | Pleistocene | | Münzing, K., Aktas, A. 1987. Weitere Funde molluskenführender Mergellagen im Unteren Deckenschotter von Bayerisch Schwaben. <i>Jahresberichte der Wissenschaften</i> , 62, Wien. | |
| 4156 | Furth bei Göttweig (Hohlweg, station 36 in Frank, 2006) | Furth bei Göttweig | Austria | | 48.372223 | 15.606389 | 1 late Pleistocene | | 0.126 | 0.0117 | Pleistocene | | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 5656 | Füssen | Füssen | Germany | | 47.569503 | 10.63644 | Quaternary (old bedrock-s) | | 1.806 | 0 | Pleistocene | | FreshGEN team decision | |
| 4133 | Fylan (Fyledalen valley, Zone MVa3 in Geddes, 2006) | Fylan | Sweden | | 55.568056 | 13.817222 | young than 10.0088 | | 0.0088 | 0 | Holocene | | Goddar, B. 2006. Terrestrial mollusc succession and stratigraphy of a Holocene calcareous tufa deposit from the Fyledalen valley, southern Sweden. <i>The Holocene</i> , 16 (1), 137-147. | |
| 5174 | Gailiūnai | Gailiūnai | Lithuania | | 54.042172 | 23.996066 | 2 B尉atal Interglacial | | 0.41 | 0.38 | Pleistocene | | Sauko, A., Gugiliaus, A., Velchelevici, F., Mekšytė, M. 2006. Malacofauna and seed flora of Butinai Interglacial in deposits of the Neravai outcrop, Tiltis River (Lithuanian Umbria). <i>Il Quaternario</i> , 16 (Bis), 89-106. | |
| 980 | Galantina | Galantina | Italy | | 42.274324 | 12.604615 | 2 Gelasian | | 2.588 | 1.806 | Pleistocene | | Grottoli, O., Mancini, M. 2003. Plio-Pleistocene stratigraphy and relations between marine and non-marine successions in the middle valley of the Tiber River (Latium, Umbria). <i>Il Quaternario</i> , 16 (Bis), 89-106. | |
| 5072 | Galati (Holocene Terrasse of lacu Bratisch) | Galati | Romania | | 45.483999 | 28.071777 | 2 Holocene | | 0.0117 | 0 | Holocene | | Petrobul, J. 1930. Zur Kenntnis der quartären und rezenten Mollusken von Bessarabien und Galatz. <i>Archiv für Molluskenskunde</i> , 62 (4/5), 198-200. | |
| 4843 | Galati (N of the harbour, on the bank of Danube) | Galati | Romania | Galac | 45.444132 | 28.100974 | 2 Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | | Petrobul, J. 1928. First contribution to the knowledge of the Caenozoic shells of Bessarabia auf Galac. <i>Bulletin international de l'Académie des Sciences de Bohême</i> , 1-11. | |
| 4844 | Galati (terrace at Reni) | Galati | Romania | Galac | 45.449373 | 28.291786 | 2 Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | | Petrobul, J. 1928. First contribution to the knowledge of the Caenozoic shells of Bessarabia auf Galac. <i>Bulletin international de l'Académie des Sciences de Bohême</i> , 1-11. | |
| 4389 | Galway (close to river Corrib, between Menlough and Galway) | Galway | Ireland | | 53.301719 | -9.076395 | 2 post-Pleistocene | | 1.806 | 0 | Pleistocene | | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80002-X. | |
| 5367 | Gánovce (site C in table 11 in Ložek, 1964, spring and stream deposits) | Gánovce | Slovakia (Slovak Republic) | | 49.030032 | 20.327891 | 2 Eemian | | 0.125 | 0.115 | Pleistocene | | Ložek, V. 1964. Quarternärmollusken der Tschechoslowakei. <i>Rozpravy Ústředního Ústavu Geologického</i> , 31, 1-374. | |
| 5368 | Gánovce (site D in table 11 in Ložek, 1964, spring and stream deposits) | Gánovce | Slovakia (Slovak Republic) | | 49.030032 | 20.327891 | 2 early Würm | | 0.115 | 0.069 | Pleistocene | | Ložek, V. 1964. Quarternärmollusken der Tschechoslowakei. <i>Rozpravy Ústředního Ústavu Geologického</i> , 31, 1-374. | |
| 5211 | Garda (Frassino lake, S1 to S3 cores) | Garda | Italy | | 45.433535 | 10.665885 | 2 0.014-0.0026 Ma | | 0.014 | 0.0026 | Holocene | | Baroni, C., Zanchetta, G., Fallick, A.E., Longinelli, A. 2006. Mollusc stable isotope record of a core from Lake Frassino, northern Italy: hydrological and climatic changes during the last 14 ka. <i>The Holocene</i> , 16 (6), 827-837. | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|---------------------|----------------------------|---|-----------|-----------|--|-------------------|---------------------|---------------------|-------------|---|
| 3917 | Gdańsk (Orle, profile A) | Gdańsk | Poland | | 54.640948 | 18.166336 | late Younger Dryas to Preboreal | 0.012 | 0.009 | | Holocene | Alexandrowicz, S.W. 1988b. Molluscan assemblages of the lacustrine sediments in the ancient melt-lake Orle. <i>Folia Quaternaria</i> , 58, 59-67. |
| 3918 | Gdańsk (Orle, profile B) | Gdańsk | Poland | | 54.640948 | 18.166336 | Preboreal to Subboreal | 0.0115 | 0.009 | | Holocene | Alexandrowicz, S.W. 1988b. Molluscan assemblages of the lacustrine sediments in the ancient melt-lake Orle. <i>Folia Quaternaria</i> , 58, 59-67. |
| 3919 | Gdańsk (Orle, profile C) | Gdańsk | Poland | | 54.640948 | 18.166336 | late Kalktuffe | 1.806 | 0.0117 | | Pleistocene | Alexandrowicz, S.W. 1988b. Molluscan assemblages of the lacustrine sediments in the ancient melt-lake Orle. <i>Folia Quaternaria</i> , 58, 59-67. |
| 3094 | Geislingen (B5. Geislingen a. St., in Geyer, 1915, p.59) | Geislingen | Germany | Geislingen an der Steige | 48.62115 | 9.84374 | | | | | | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. Jahresthefte des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 3113 | Geislingen (C23. Geislingen a. St., in Geyer, 1915, p.85-86) | Geislingen | Germany | Geislingen an der Steige | 48.62115 | 9.84374 | Younger Kalktuffe | 0.0117 | 0 | | Holocene | Meijer, T., Preece, R.C. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) <i>The Early Middle Pleistocene in Europe</i> . A.A. Balkema, Rotterdam, Brookfield. |
| 4602 | Gelsesar (34B-217, Urk Formation) | Gelsesar | Netherlands | | 52.170865 | 6.525023 | Interglacial | 0.41 | 0.38 | | Pleistocene | Taviani, M., Angeletti, L., Çığlıay, M.N., Gasperini, L., Polonia, A., Wesselingh, F. 2014 (in press). Sedimentary and faunal signatures of the post-glacial marine drowning of the Pontocaspian Gemlik "lake" (Sea of Marmara). <i>Quaternary International</i> . |
| 5804 | Gemlik (cores GE 123, 124, 126) | Gemlik | Turkey | | 40.41318 | 29.017846 | 0.018086 Ma | 0.018086 | 0.018086 | | Pleistocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3520 | Geneva (Fontaine street, station 38 in Favre, 1927) | Geneva | Switzerland | | 46.20176 | 14.9797 | Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3499 | Geneva (in front of Sécheron, station 35d in Favre, 1927) | Geneva | Switzerland | | 46.222144 | 6.14563 | Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3493 | Geneva (Plaquin, station 34 in Favre, 1927) | Geneva | Switzerland | | 46.221139 | 6.15172 | Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3520 | Genthod (Domingie, station 3 in Favre, 1935) | Genthod | Switzerland | | 46.259003 | 6.157463 | Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 4161 | Gerasdorf (station 43 in Frank, 2006) | Gerasdorf | Austria | | 48.308889 | 16.475 | late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 3690 | Gerasimovka | Gerasimovka | Russian Federation | | 47.24047 | 38.75958 | late Eopleistocene (Black Sea) | 1.1 | 0.7 | | Pleistocene | Gorbush, P.F., Datsenko, I.N. 2007. Prezydencijskiy molyski poindigen kainozoja yuga Bostochnoj Yevropy. Chast' II. Natsional'naya Akademiya Nauk Ukrayiny. Instytut Geologicheskikh Nauk, Kiev. |
| 997 | Ghalidzga river (Kuyalnikian) | Ghalidzga river | Georgia | Galisa (Suchum, SW-Kaukasus); River Galisa (Suchum, W-Kaukasus); Galiza river | 42.79871 | 41.57528 | Kuyalnikian | 3.2 | 1.62 | | Pleistocene | Kostrovnikov, V.N. 1928. Notes on the stratigraphy of the Pliocene of Taman peninsula and adjacent parts of Kuban region [in Russian]. Bulletin de la Société des Naturalistes de Moscou, section Géologie, 6 (2), 171-192. |
| 998 | Ghalidzga valley (Kuyalnikian) | Ghalidzga valley | Georgia | Galisa Valley (Suchum); Galisatal (W-Kaukasus) | 42.79871 | 41.57528 | Kuyalnikian | 3.2 | 1.62 | | Pleistocene | Kostrovnikov, V.N. 1928. Notes on the stratigraphy of the Pliocene of Taman peninsula and adjacent parts of Kuban region [in Russian]. Bulletin de la Société des Naturalistes de Moscou, section Géologie, 6 (2), 171-192. |
| 3766 | Giurguleşti (Creangă ravine W of city, Quaternary) | Giurguleşti | Moldova | Giurguleşti; Džurdžulešty; Džaržulešty; Zhuržulešty; Creangă ravine | 45.48167 | 28.19722 | Quaternary (old boundaries) | 1.806 | 0 | | Pleistocene | Jassy, 36 (1), 177-422. |
| 5510 | Główina (slope foot east of Dobryń in Vistula) | Główina | Poland | | 52.630997 | 19.397513 | Upper Holocene | 0.00585 | 0 | | Holocene | Brykzoński, M., Skompski, S. 1979. Holocene fauna mięczaków i martwicy wapienne z Główiny kolo Dobrzyny nad Wisłą. <i>Kwartalnik Geologiczny</i> , 23 (2), 429-434. |
| 1000 | Goes | Goes | Netherlands | | 51.50417 | 3.88889 | Early Pliocene | 2.588 | 0.781 | | Pleistocene | Wenz, W. 1923-1930. <i>Fossiliun Catalogus E. Animalia. Gastropoda extratertia</i> . W. Junk, Berlin. |
| 5915 | Göfis (Gasserplatz) | Göfis | Austria | | 47.240716 | 9.613926 | Old and of Oldest Dryas to the beginning of Holocene | 0.0135 | 0.01 | | Pleistocene | De Graaff, L.W.S., Kuijper, W.J., Sloothoorn, R.T. 1989. Schlußvereisung und spätglaziale Entwicklung des Moorgebiets Gasserplatz (Feldkirch-Göfis, Vorarlberg). 132 (2), 397-413. |
| 5343 | Gombasek (on the way to Štíca, site C in table 7 in Ložek, 1964) | Gombasek | Slovakia (Slovak Republic) | | 48.56206 | 20.466366 | Atlantic to Subboreal | 0.008 | 0.0025 | | Holocene | Ložek, V. 1964. Quartär-mollusken der Tschechoslowakei. <i>Rozpravy Ustředního Ústavu Geologického</i> , 31, 1-374. |
| 4910 | Görgeteg (borehole Görgeteg-I) | Görgeteg | Hungary | | 46.14942 | 17.436919 | late Pleistocene | 1.5 | 1.2 | | Pleistocene | Krolopp, E. 2002. Ákai-pleistocén Molusca-fauna a Görgeteg-I fúróból. <i>Földtani Kötöly</i> , 132 (1), 89-94. |
| 1015 | Gorinchem (drillings, 92-120m) | Gorinchem | Netherlands | Gorkum | 51.83652 | 4.97243 | late Pleistocene (Sicilian) | 1.22 | 0.781 | | Pleistocene | Wenz, W. 1923-1930. <i>Fossilium Catalogus E. Animalia. Gastropoda extratertia</i> . W. Junk, Berlin. |
| 5292 | Gornitsa | Gornitsa | Belarus | Horinitsa | 53.593823 | 23.93144 | Holocene | 0.0117 | 0 | | Holocene | Sanko, A.P. 2007. Quartär-freshwater molusks Animalia. Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von |
| 3146 | Gotha (Brühlheim) | Gotha | Germany | | 51.003617 | 10.58206 | middle Pleistocene (Warthe)? | 0.41 | 0.38 | | Pleistocene | Mania, D. 1973. Paläontologische Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von |
| 3075 | Grafing (Glonn SW Grafing) | Grafing | Germany | | 47.98306 | 11.864498 | Postglacial | 0.01 | 0.003 | | Holocene | Dethlefs, R. 1967. Die Landschafts-Diesse ruderatus im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatssammlung für Paläontologie und Historische Geologie</i> , 27, 21-30. |
| 3076 | Grafing (Glonn, near train station, no 28 in Dehm, 1967) | Grafing | Germany | | 47.990924 | 11.865348 | Postglacial | 0.01 | 0.003 | | Holocene | Dehm, R. 1967. Die Landschafts-Diesse ruderatus im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatssammlung für Paläontologie und Historische Geologie</i> , 7, 135-155. |
| 5688 | Great Chesterford | Great Chesterford | United Kingdom | | 52.062749 | 0.196835 | Holocene | 0.0117 | 0 | | Holocene | Sparks, B.W. 1955. Notes on four Quaternary deposits in the Cambridge region. <i>Journal of Conchology</i> , 24, 47-53. |
| 5753 | Greulich | Greulich | Germany | | 51.228272 | 10.948329 | Aluvial (Holocene) | 0.0117 | 0 | | Holocene | Klett, B. 1928. Die Conchylonyx-aluvialer und aluvialer Schichten in Westfalen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 1031 | Grezzano | Grezzano | Italy | | 44.01217 | 11.405053 | late Villafranchian | 2 | 1.1 | | Pleistocene | Bassaniuti, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-loessitic succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). <i>Review Italiano di Paleontologia e Stratigrafia</i> , 104 (2), 263-278. |
| 2109 | Grillo | Grillo | Italy | | | | Villafranchian | 3.5 | 1.1 | | Pleistocene | Wenz, W. 1923-1930. <i>Fossilium Catalogus E. Animalia. Gastropoda extratertia</i> . W. Junk, Berlin. |
| 5261 | Grodno (Rojsje) | Grodno | Belarus | Rojsye | 53.782263 | 23.860158 | late Pleistocene (Mezhamian) | 0.115 | 0 | | Pleistocene | Sanko, A.P. 2007. Quartär-freshwater molusks Animalia. Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von |
| 4011 | Grodno (Rumyka-2) | Grodno | Belarus | Rumłokwa | 53.644023 | 23.910504 | upper Muravial | 0.12 | 0.115 | | Pleistocene | Sanko, A., Gaigalas, A., Yelovichova, Y. 2011. Palaeoclimatic and stratigraphic significance of Belgrandia marginata (Michaù) in Late Quaternary malacofauna of Belarus and Lithuania. <i>Quaternary International</i> , 241 (1-2), 68-78. |
| 4012 | Grodno (Rumyka-2) | Grodno | Belarus | Zukiewicz | 53.644023 | 23.910504 | middle Poozeraan | 0.065 | 0.054 | | Pleistocene | Sanko, A., Gaigalas, A., Yelovichova, Y. 2011. Palaeoclimatic and stratigraphic significance of Belgrandia marginata (Michaù) in Late Quaternary malacofauna of Belarus and Lithuania. <i>Quaternary International</i> , 241 (1-2), 68-78. |
| 4013 | Grodno (Zhuveichi, Zhuveichi 1 and 2 in Sanko, 2007) | Grodno | Belarus | Zukiewicz | 53.58325 | 23.966752 | Masowian II | 0.125 | 0.115 | | Pleistocene | Urbanitsch, J. 1951. Interglacials fauna mięczaków (Mollusca) z Zukiewiczków koło Grodu. <i>Acta Geologica Polonica</i> , 2, 102-127. |
| 3204 | Grobenzell (near the railway station) | Grobenzell | Germany | | 48.196395 | 11.37229 | Aluvial (Holocene) | 0.0117 | 0 | | Holocene | Schröder, R. 1915. Die Conchylonyx-aluvialer Schichten im Bereich vom Pleistozän bis zur Gegenwart. <i>Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 5653 | Gronau (gravel pit, N of Lichtenberg) | Gronau | Germany | | 52.089942 | 9.772643 | older than Mindel/Riss | 0.41 | 0.0117 | | Pleistocene | FreshGEN team decision |
| 5653 | Gronau (on the road to Elze, west coast of Leine) | Gronau | Germany | | 52.097769 | 9.767502 | Mindel/Riss | 0.41 | 0.38 | | Pleistocene | Lüttig, G. 1953. Die Mollusken des Interglazials von Elze. <i>Paläontologische Zeitschrift</i> , 27 (1/2), 67-84. |
| 5749 | Grobbarloff (above the village) | Grobbarloff | Germany | | 51.250431 | 10.213503 | Aluvial (Holocene) | 0.0117 | 0 | | Holocene | Klett, B. 1928. Die Conchylonyx-aluvialer und aluvialer Schichten in Westfalen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 5758 | Grobbarloff (Kummerberg-Oberreichsfeld) | Grobbarloff | Germany | | 51.250431 | 10.213503 | Postglacial | 1.806 | 0.0117 | | Pleistocene | Klett, B. 1928. Die Conchylonyx-aluvialer und aluvialer Schichten in Westfalen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 5673 | Grobkröbitz (Planz tables 22 and 26 in Mania, 1973) | Grobkröbitz | Germany | | 50.839452 | 11.500793 | Preboreal to Atlantic | 0.0115 | 0.0056 | | Holocene | Mania, D. 1973. Paläontologische Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von |
| 5696 | Groß-Rohrheim (samples B, C, D, E, L, N) | Groß-Rohrheim | Germany | | 49.715912 | 8.483133 | late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Neubert, E., Kitzelbach, R. 1988. Warme und kaltezeitliche Molluskenfaune aus der nördlichen Oberreihenebene. In: Koenigswald, W. v. (Hrsg.). 1988. <i>Paläontologische und stratigraphische Untersuchungen im Bereich der Oberreihenebene</i> . Fischer Verlag, Stuttgart. |
| 4133 | Großrußbach (station 50 in Frank, 2006) | Großrußbach | Austria | | 48.475278 | 16.422222 | late Wirm | 0.025 | 0.0117 | | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4138 | Grub an der March (station 54 in Frank, 2006) | Grub an der March | Austria | | 48.416667 | 16.833333 | Neolithic Age | 0.01 | 0.0043 | | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4141 | Grub an der March (Stiftfried "Hügelfeld", station 146 in Frank, 2006) | Grub an der March | Austria | | 48.416667 | 16.838056 | Holocene | 0.0117 | 0 | | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4148 | Grub an der March (Stiftfried "Hügelfeld", "Westwall", station 146 in Frank, 2006) | Grub an der March | Austria | | 48.416667 | 16.838056 | late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4833 | Grudziądz (Grudziądz-Mniotek, faunal list, locality 24 in Alexandrowicz and Alexandrowicz, 2010) | Grudziądz | Poland | | 53.48627 | 18.697569 | Eemian | 0.125 | 0.115 | | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Poloniae</i> , 80, 69-87. |
| 3271 | Gubbio (Gubbio basin and/or terrane) | Gubbio | Italy | | 43.339412 | 12.570419 | late Villafranchian | 2 | 1.1 | | Pleistocene | Petrovici, C., Argenti, P., Caloi, C., Esu, D., Girotti, O., Sardella, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Central Italy. <i>Geologica Romana</i> , 36, 369-387. |
| 4600 | Gudhjerg (Nemureture clay) | Gudhjerg | Denmark | | 55.152243 | 10.667467 | Cromerian | 0.86 | 0.46 | | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 5333 | Gulickshof (2.9 m to 1.63 m below surface) | Gulickshof | Netherlands | | 51.060278 | 5.89722 | 1Ma | 0.01245 | 0.01125 | | Pleistocene | Hock, W.Z., Bobeck, S.J.P., Giessen, G.M., Meijer, T. 1999. Lateglacial environmental changes recorded in calcareous gyttja deposits at Gulickshof, southern Netherlands. <i>Boreas</i> , 28, 416-432. |
| 5396 | Gülli (section B in Vasilyan et al. 2014) | Gülli | Turkey | | 39.910526 | 41.434836 | 2.1-5.1-10 Ma | 1.55 | 1 | | Pleistocene | Vasilyan, D., Schneider, S., Bayraktar, M.S., Şen, S. 2014. Early Pliocene freshwater communities and rodents from the Pasinder Basin (Erzurum Province, north-eastern Turkey). <i>Turkish Journal of Earth Sciences</i> , 23, 293-307, doi: 10.3906/yer-1307-16. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|---------------------|----------------------------|---|-----------|-----------|--|-------------------|---------------------|---------------------|-------------|---|
| 5087 | Gumiel de Izán | Gumiel de Izán | Spain | | 41.769183 | -3.690884 | 2Boreal | | 0.009 | 0.008 | Holocene | Madrigal Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 4168 | Gumpoldskirchen (station 57 in Frank, 2006) | Gumpoldskirchen | Austria | | 48.033333 | 16.266667 | 2Boreal | | 0.009 | 0.008 | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Molusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62. Wien. |
| 4911 | Györ (Básca-1, 11m -23.8m) | Györ | Hungary | | 47.719453 | 17.656279 | Viviparus boeckhi Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | Kaiser, M., Kroopp, E., Scharek, P. 1998. Adatok a Dunai-hordalékkíp és teraszok kapsoláthoz Györ környékén. Földtani Közlöny, 128 (2-3), 519-530. |
| 4915 | Györ (Győrfüfalu, pit 2 km SW of the village, 20-24m) | Györ | Hungary | | 47.714013 | 17.58498 | 2middle Pleistocene | | 0.781 | 0.0117 | Pleistocene | Jánossy, D., Kroopp, E. 1994. Alsó-pleisztocén Mollusca- és gerinces fauna a győrfüfali kavicsbányából. Földtani Közlöny, 124 (4), 403-440. |
| 4916 | Györ (Győrfüfalu, pit 2 km SW of the village, 24-30m) | Györ | Hungary | | 47.714013 | 17.58498 | Viviparus boeckhi Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | Jánossy, D., Kroopp, E. 1994. Alsó-pleisztocén Mollusca- és gerinces fauna a győrfüfali kavicsbányából. Földtani Közlöny, 124 (4), 403-440. |
| 4917 | Györ (Sashegy, alsó kavicsbánya-abló szint and felső kavicsbánya) | Györ | Hungary | | 47.658094 | 17.695389 | Viviparus boeckhi Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | Kaiser, M., Kroopp, E., Scharek, P. 1998. Adatok a Dunai-hordalékkíp és teraszok kapsoláthoz Györ környékén. Földtani Közlöny, 128 (2-3), 519-530. |
| 4919 | Györ (Sashegy, alsó kavicsbánya-felső szint and Bónyrétalap) | Györ | Hungary | | 47.658094 | 17.695389 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kaiser, M., Kroopp, E., Scharek, P. 1998. Adatok a Dunai-hordalékkíp és teraszok kapsoláthoz Györ környékén. Földtani Közlöny, 128 (2-3), 519-530. |
| 3883 | Gyunuri | Gyunuri | Armenia | Lemnakan; Alekpol; Aleksandrapol'; Gimir; Gjermi; Gjumri; Kumayri | 40.7942 | 43.84528 | Plaeoceane (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Akramovskiy, N.N. 1956. Pleystosenovyye presvodyovyye molyuski odnoj peschanogo karya v okrestnostyakh Lemnakan. Izvestiya Akademii Nauk Armanyanskoy SSR, 9 (1), 81-90. |
| 5776 | Haguenau (on the road from Forstfeld to Niederrödern) | Haguenau | France | | 48.877841 | 8.037646 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | FreshGEN team decision |
| 5369 | Háj (site H in table 11 in Ložek, 1964, spring and stream deposits) | Háj | Slovakia (Slovak Republic) | | 48.628925 | 20.853437 | 2Atlantic | | 0.008 | 0.0056 | Holocene | Ložek, V. 1964. Quartärmoluska der Tschechoslowakei. Rozpravy Ustredného Ústavu Geologického, 31, 1-374. |
| 5719 | Halászi (Arik, borehole 1, 15.5-16 m) | Halászi | Hungary | | 47.870093 | 17.373249 | 2Holocene | | 0.0117 | 0 | Holocene | Kordon, L., Kroopp, E. 1990. Alsó-pleisztocén puhatestű és gerinces fauna a Kisalföldröl (Halászi, Árik sz. Fűrás). Magyar Állami Földtani Intézet Évi Jelentés 1988-ról, 235-244. |
| 5720 | Halászi (Arik, borehole 1, 71.8-73.5 m) | Halászi | Hungary | | 47.870093 | 17.373249 | 2Middle-Ross | | 1.806 | 1.2 | Pleistocene | Kordon, L., Kroopp, E. 1990. Alsó-pleisztocén puhatestű és gerinces fauna a Kisalföldröl (Halászi, Árik sz. Fűrás). Magyar Állami Földtani Intézet Évi Jelentés 1988-ról, 235-244. |
| 4476 | Halberstadt (Schwanbeck) | Halberstadt | Germany | | 51.965616 | 11.1243 | 2Intercal | | 0.41 | 0.38 | Pleistocene | Wüst, E. 1902. Beitrag zur Kenntnis des pleistozänen Kalkkusses von Schwanebeck bei Halberstadt. Zeitschrift der Deutschen Geologischen Gesellschaft, 54 (8), 14-26. |
| 5664 | Halle-Neustadt (in Mania, 1973) | Halle-Neustadt | Germany | | 51.473848 | 11.916239 | 2Weichselian | | 0.069 | 0.0117 | Pleistocene | Mania, D. 1973. Paläoökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von Molluskenfaunen. Geologie, 21 (78/79), 1-175. |
| 5579 | Haly (profiles Halla and HalV) | Halyč | Ukraine | Halyč | 49.120481 | 24.725929 | 2Drenthe Glaciation | | 0.2 | 0.125 | Pleistocene | Alexandrovic, W.P., Lanczont, M., Boguski, A.B., Kulesza, P., Dmytryk, R. 2014. Molluscs and ostracods of the Pleistocene loess deposits in the Halyč site (Western Ukraine) and their significance for paleoenvironmental reconstructions. Quaternary Scie |
| 5754 | Hamburg (Winterhude, Stadtpark lakes) | Hamburg | Germany | | 53.592452 | 10.027662 | 2late Diluvial | | 0.126 | 0.0117 | Pleistocene | Menzel, H. 1912. Über die Conchylienfauna von Winterhude. Zeitschrift der Deutschen Geologischen Gesellschaft, 64 (3), 142-144. |
| 3569 | Hamm (Aue, A5 in Steusloff, 1938) | Hamm | Germany | | 51.691743 | 7.838165 | 2late Diluvial | | 0.126 | 0.0117 | Pleistocene | Stoszkoff, U. 1938. Neue Beiträge zur Molluskenfauna und Ökologie periglazialer und altalluvialer Ablagerungen im Emscher-Lippe-Raume. Archiv für Molluskenkunde, 70 (4), 161-193. |
| 5761 | Hamm (Aue-Diluvium in Menzel, 1912) | Hamm | Germany | | 51.691743 | 7.838165 | Diluvial (Menzel, 1912) | | 0.46 | 0.0117 | Pleistocene | Menzel, H. 1912. Die Quartärfauna des niederreinisch-westfälischen Industriebezirkes. Zeitschrift der Deutschen Geologischen Gesellschaft, B. Monatsberichte, 64 (3), 177-200. |
| 5771 | Hangenbieten (Regenerierter Vogenesstrand from Andreau, 1884) | Hangenbieten | France | | 48.559142 | 7.613045 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Geisser, F. 1962. Die Molluskenfauna der Diluvial-Terrasse von Mothen bei Lauterburg im Elsass. Mitteilungen des Badischen Landesvereines für Naturkunde und Naturschutz, Freiburg i. Br., Neue Folge, 8 (2), 223-233. |
| 4433 | Hardley (alluvium of river Chet, 1/3 mile from Hardley Cross) | Hardley | United Kingdom | | 52.552278 | 1.534269 | 2Holocene | | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1163/1878722002002-X. |
| 4410 | Harbon (monoliths) | Harbon | United Kingdom | | 52.155658 | 0.021837 | 2early Holocene | | 0.0117 | 0.0078 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1163/1878722002002-X. |
| 5818 | Hastfield (site under investigation in Sparks and West, 1968) | Hastfield | United Kingdom | | 51.763129 | -0.223076 | 2Eoxian | | 0.41 | 0.38 | Pleistocene | Sparks, B.W., West, R.G. 1968. Interglacial deposits at Worwell, Norfolk. The Geological Magazine, 471-480. |
| 5750 | Heilbad Heiligenstadt | Heiligenstadt | Germany | | 51.376793 | 10.143556 | 2(Holocene) | | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylien diluvialei und alluvialei Schichten in Westhessen. Zeitschrift für Naturwissenschaften, 58, 57-148. |
| 2851 | Heilbronn (between Frankenbach and Großgartach, 4d in Geyer, 1914 and 22 in Geyer, 1917) | Heilbronn | Germany | | 49.15134 | 9.171268 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1914. Über diluviale Schotter Schwabens und ihre Molluskenreste. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereins, Neue Folge, 4 (2), 120-138. |
| 2868 | Heilbronn (Böckingen, hole IX) | Heilbronn | Germany | | 49.133993 | 9.183989 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Münzing, K. 1968. Molluskenfaunen aus alopleistozänen Neckarablagerungen. Jahreshefte des Geologischen Landesamtes Baden-Württemberg, 10, 105-110. |
| 2880 | Heilbronn (Böckingen, Ludwigshurger Straße 242-244) | Heilbronn | Germany | | 49.125981 | 9.182224 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Röhl, E., Räbke, W. 2003. Stratigraphic Untersuchungen an molluskenführenden Terrassensedimenten und ihren Deckschichten im mittleren Neckarbecken (Württemberg). Eiszeitalter und Gegenwart, 53, 94-113. |
| 2847 | Heilbronn (Böckingen, on the road to Großgartach, 4b in Geyer, 1914) | Heilbronn | Germany | | 49.138694 | 9.16663 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1914. Über diluviale Schotter Schwabens und ihre Molluskenreste. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereins, Neue Folge, 4 (2), 120-138. |
| 3338 | Heilbronn (Böckingen, southwest end of the village, no 20 in Geyer, 1917) | Heilbronn | Germany | | 49.130203 | 9.178417 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1914. Die Mollusken des schwäbischen Lösses in Vergangenheit und Gegenwart. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 73, 23-92. |
| 2849 | Heilbronn (Großgartach, 4c in Geyer, 1914) | Heilbronn | Germany | | 49.133995 | 9.168894 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1913. Beitrag zur Kenntnis des Quartärs in Schwaben. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 69, 277-302. |
| 2873 | Heilbronn (Neckartgartach, VI in Geyer, 1913 and A in Münzing, 1968) | Heilbronn | Germany | | 49.167843 | 9.199117 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Böos, E., Räbke, W. 2003. Stratigraphic Untersuchungen an molluskenführenden Terrassensedimenten und ihren Deckschichten im mittleren Neckarbecken (Württemberg). Eiszeitalter und Gegenwart, 53, 94-113. |
| 2882 | Heilbronn (Oberreisheim) | Heilbronn | Germany | | 49.197567 | 9.210367 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Böos, E., Räbke, W. 1986. Geomorphologische Deckschichten und Molluskenführung letztingertglazialer Hochflutkime im Neckartal (Baden-Württemberg). Eiszeitaler und Gegenwart, 86, 109-129. |
| 2982 | Heilbronn (outcrops on the south edge of Heilbronn-Böckingen) | Heilbronn | Germany | | 49.122635 | 9.187611 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Geyer, D. 1917. Die Mollusken des schwäbischen Lösses in Vergangenheit und Gegenwart. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 73, 23-92. |
| 2869 | Heilbronn (pit Ingelfinger, Großgartach, 1 in Münzing, 1968) | Heilbronn | Germany | | 49.144093 | 9.170546 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Münzing, K. 1968. Molluskenfaunen aus alopleistozänen Neckarablagerungen. Jahreshefte des Geologischen Landesamtes Baden-Württemberg, 10, 105-119. |
| 2870 | Heilbronn (pit Ingelfinger, Großgartach, 2a in Münzing, 1968) | Heilbronn | Germany | | 49.144093 | 9.170546 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Münzing, K. 1968. Molluskenfaunen aus alopleistozänen Neckarablagerungen. Jahreshefte des Geologischen Landesamtes Baden-Württemberg, 10, 105-119. |
| 2871 | Heilbronn (pit Ingelfinger, Großgartach, 2b in Münzing, 1968) | Heilbronn | Germany | | 49.144093 | 9.170546 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Münzing, K. 1968. Molluskenfaunen aus alopleistozänen Neckarablagerungen. Jahreshefte des Geologischen Landesamtes Baden-Württemberg, 10, 105-119. |
| 2872 | Heilbronn (pit Ingelfinger, Großgartach, 2c in Münzing, 1968) | Heilbronn | Germany | | 49.144093 | 9.170546 | 2Pleistocene | | 2.588 | 0.0117 | Pleistocene | Münzing, K. 1968. Molluskenfaunen aus alopleistozänen Neckarablagerungen. Jahreshefte des Geologischen Landesamtes Baden-Württemberg, 10, 105-119. |
| 3107 | Heiligenbronn (C6, Heiligenbronn OA, Hörb, in Geyer, 1915, p.69) | Heiligenbronn | Germany | | 48.451016 | 8.672664 | 3Jüngere Kalktuflle | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuflle. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 5893 | Hellin | Hellin | Spain | Hellen | 38.5106 | -1.70096 | 2Postglacial | | 2.588 | 1.806 | Pleistocene | Metz, P., Moissse, E., Tric, G. 1978. Les formations continentales du Néogène supérieur des vallées du Júcar et Gabriel au NE d'Albacete (Espagne). Biogeographie et environnement. Documents de la Laboratoire de Géologie de la Faculté des Sciences de |
| 3503 | Hermance (in front of the old tile factory, 15m depth, station 36c in Favre, 1927) | Hermance | Switzerland | | 46.296362 | 6.241348 | 2Postglacial | | 0.01 | 0.003 | Holocene | Le Bourne, J.-P. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 46, 1-20. |
| 3495 | Hermance (in front of the old tile factory, 4-6m depth, station 35b in Favre, 1927) | Hermance | Switzerland | | 46.296362 | 6.241348 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Histoire Naturelle de Genève, 46, 1-20. |
| 3570 | Herten (Stückenbusch, in Steusloff, 1938) | Herten | Germany | | 51.586039 | 7.180238 | 2late Diluvial | | 0.126 | 0.0117 | Pleistocene | Steusloff, B. 1938. Neue Beiträge zur Molluskenfauna und Ökologie periglazialer und altalluvialer Ablagerungen im Emscher-Lippe-Raume. Archiv für Molluskenkunde, 70 (4), 161-193. |
| 5117 | Herzogenbuchsee (fossil, not specified) | Herzogenbuchsee | Switzerland | | 47.169626 | 7.668758 | Niederterrassensch one | | 0.025 | 0.017 | Pleistocene | Wüthrich, M. 1956. Zur Molluskenfauna von Murgenthal (Kt. Aargau/Bern, Schweiz) und Umgebung. Archiv für Molluskenkunde, 85 (1/3), 19-27. |
| 4080 | Hiumaa (Part1, Litorina stage) | Hiumaa | Estonia | | 58.956021 | 22.854428 | 20.0005 Ma | | 0.0055 | 0.0055 | Holocene | Tavast, E. 2000. Subfossil mollusc shells of the Baltic Sea and the possibilities of their usage in the stratigraphy and correlation of the Baltic Sea Geology, 5, 31-40. |
| 4085 | Hiumaa (lowermost part of Ancylus sediments, about 12 m above sea level and gravelly facies up to 10-15 m above sea level) | Hiumaa | Estonia | | 58.956021 | 22.854428 | 20.00955 Ma | | 0.00955 | 0.00955 | Holocene | Molokov, A. 1996. ESR Dating of Lymnaea balica and Ceratostoma glaucum from Low Ancylos Level and Transgressive Litorina Sea Deposits. Applied Radiation and Isotopes, 47 (11-12), 1427-1432. |
| 4086 | Hiumaa (Part3, Mastogloia Sea transitional stage) | Hiumaa | Estonia | | 58.956021 | 22.854428 | 2Mastogloia Sea | | 0.008 | 0.0075 | Holocene | Tavast, E. 2000. Subfossil mollusc shells of the Baltic Sea and the possibilities of their usage in the stratigraphy and correlation of the Baltic Sea sediments. Geologos, 5, 31-40. |
| 4088 | Hiumaa (Ristipüli, Litorina stage) | Hiumaa | Estonia | | 58.908787 | 22.735625 | 2Litorina Sea stage | | 0.008 | 0.004 | Holocene | Kroopp, E. 1976b. Altidüfűfürások Zsigmondy-Halász-féle Mollusca anyagának rezávja. II. A hódmezővásárhelyi, szegedi, szarvasi és kecskeméti arteázkál-források. Magyar Állami Földtani Intézet Évi Jelentés 1974-ról, 133-156. |
| 4495 | Hitchin | Hitchin | United Kingdom | | 51.347925 | -0.283257 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | FreshGEN team decision |
| 1082 | Hódmezővásárhely (artesian well in Kálmán János tér, 215-252.9m, revised by Kroopp, 1976b) | Hódmezővásárhely | Hungary | Hod-Mező-Vásárhely (Csongrád); Hod-Mező-Vásárhely; Hodmezővásárhely | 46.416991 | 20.32944 | Viviparus boeckhi Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | Kroopp, E. 1976b. Altidüfűfürások Zsigmondy-Halász-féle Mollusca anyagának rezávja. II. A hódmezővásárhelyi, szegedi, szarvasi és kecskeméti arteázkál-források. Magyar Állami Földtani Intézet Évi Jelentés 1974-ról, 133-156. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|-----------------------|----------------------------|--|-----------|-----------|----------------------|---------------------------------------|---------------------|---------------------|-------------|--|
| 4930 | Hódmezővásárhely (artesian well no 1 in Kosuth tér, 21.54-89.13m, revised by Kropp, 1976b) | Hódmezővásárhely | Hungary | Hód-Mező-Vásárhely (Csengrads); Hod-Mézo-Vásárhely; Hódmezővásárhely | 46.414635 | 20.318001 | 2 | Bifacial | 1.806 | 0.0117 | Pleistocene | Kropp, E. 1976b. Általános mélyfúrások Zsigmondy-Halász-féle Mollusca anyagának rekonjsza. II. A hódmezővásárhelyi, szegedi, szarvási és kisecskesi artézfák fúrásai. Magyar Állami Földtani Intézet Évkönyve 1974-riől, 133-156. |
| 4611 | Högestad (Eriksdal estate) | Högestad | Sweden | | 55.539893 | 13.865592 | 3 | Boreal to Subboreal | 0.009 | 0.0028 | Holocene | Kurck, C. 1923. Faunan och floran i nägra sydskånska, hittills obeskrivna kalkstuffer. Arkiv för kemi, mineralogi och geologi, 8 (15), 1-70. |
| 4612 | Högestad (Örup) | Högestad | Sweden | | 55.519448 | 13.935773 | 3 | Boreal to Subboreal | 0.009 | 0.0028 | Holocene | Kurck, C. 1923. Faunan och floran i nägra sydskånska, hittills obeskrivna kalkstuffer. Arkiv för kemi, mineralogi och geologi, 8 (15), 1-70. |
| 4152 | Hohenberg (Steinbruch, station 66 in Frank, 2006) | Hohenberg | Austria | | 47.883333 | 15.616667 | 3 | Preboreal to Subatlantic | 0.0115 | 0 | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 2979 | Hohenzollern (Dettingen) | Hohenzollern | Germany | | 48.435691 | 8.936262 | 3 | Bifacial | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1913. Über die in Niederschwaben während des Quartärs erschienenen Mollusken. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereines, Neue Folge, 3 (2), 32-54. |
| 108 | Hollesley | Hollesley | United Kingdom | | 52.044837 | 1.42632 | 2 | Red Crag (Gelaktion) | 2.61 | 2.13 | Pleistocene | Wenz, W. 1923-1930. Fossilien Catalogus I. Animalia. Gastropoda extramariaria tertiaria. W. Junk, Berlin. |
| 3205 | Höllriegelskreuth (Isar valley between Höllriegelskreuth and Baierbrunn in Schröder, 1915 and station no 38 in Dehm, 1967) | Höllriegelskreuth | Germany | Höllriegelskreuth | 48.034344 | 11.500548 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 3206 | Höllriegelskreuth (Isar valley, Grünwald) | Höllriegelskreuth | Germany | Höllriegelskreuth | 48.053317 | 11.525394 | 2 | (Holocene) | 0.0117 | 0 | Holocene | Schröder, R. 1915. Die Conchylien des Münchner Gebiets vom Pleistocen bis zur Gegenwart. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 3-4, 97-133, 145-196. |
| 3090 | Holstein (Erbmühle 3 km SE Holstein, no 1 in Dehm, 1967) | Holstein | Germany | | 49.094171 | 11.54086 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 2317 | Horasan (E city border) | Horasan | Turkey | | 40.049694 | 42.189388 | 2 | Gelaktion | 2.588 | 1.806 | Pleistocene | Schnit, H. 1991. Fossile Mollusken dreier anatomischer Ovas. Archiv für Molluskenkunde, 120 (4/6), 131-147. |
| 5362 | Horka (Horka-Blok, site G in table 10 in Ložek, 1964) | Horka | Slovakia (Slovak Republic) | Hórká | 49.019854 | 20.394025 | 2 | early Holocene | 0.0117 | 0.0078 | Holocene | Ložek, V. 1964. Quartär mollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. |
| 2858 | Hörlis (gravel pit WSW of Hörlis) | Hörlis | Germany | | 48.141622 | 10.335512 | 2 | MIS11 | 0.42 | 0.38 | Pleistocene | Rousseau, D.-D., Puiseux, J.-J., Lécole, F. 1992. West-European terrestrial molluscs assemblages of isotopic stage 11 (Middle Pleistocene): climatic implications. Palaeogeography, Palaeoclimatology, Palaeoecology, 92, 15-29. |
| 4851 | Horodlo (Profiles III, V and I) | Horodlo | Poland | | 50.896998 | 24.049786 | 2 | Wartanian | 0.2 | 0.125 | Pleistocene | Doleček, L., Skompský, S. 1986. Mieczaki plejstoceniczne z Horodla nad Bugiem. Kwartalnik Geologiczny, 30 (2), 309-340. |
| 1090 | Horstead | Horstead | United Kingdom | | 52.728015 | 1.351014 | 2 | Younger Crag (Gelaktion) | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilien Catalogus I. Animalia. Gastropoda extramaria tertiaria. W. Junk, Berlin. |
| 5043 | Houdancourt (zone H3) | Houdancourt | France | | 49.334248 | 2.654036 | 2 | Younger Dryas | 0.01244 | 0.00925 | Holocene | Panel, P. et al. 2005. Lateglacial paleoenvironments and paleocommunities from Conty and Houdancourt, northern France, reconstructed from Beete remains. Quaternary Science Reviews, 24, 2449-2465. |
| 4497 | Hoxne (combined list of all horizons in Kennard and Woodward, 1922 and stratum F from various authors in West, 1956) | Hoxne | United Kingdom | | 52.34535 | 1.190739 | 2 | Hoxian | 0.41 | 0.38 | Pleistocene | Sparks, B.W., West, R.G. 1968. Interglacial deposits at Worwell, Norfolk. The Geological Magazine, 471-480. |
| 5202 | Hoža | Hoža | Belarus | Gozha | 53.813404 | 23.854393 | 2 | Holocene | 0.0117 | 0 | Holocene | Sanko, A.P. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5363 | Hranovnica (site I in table 10 in Ložek, 1964) | Hranovnica | Slovakia (Slovak Republic) | | 48.988168 | 20.308335 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. |
| 5815 | Hrubieszów (Tatarski Górze) | Hrubieszów | Poland | Hrubieszów (Tatarska Góra) | 50.795107 | 23.891888 | 3 | (Mioszian I) | 0.41 | 0.38 | Pleistocene | Skompský, S. 1989b. Role of malacological investigations for stratigraphy of the Quaternary of southeastern Poland. Kwartalnik Geologiczny, 33 (3/4), 525-540. |
| 4002 | Hudago-carretera (includes several samples from Robles, 1989) | Hudago | Spain | Huélago | 37.41972 | -3.26226 | 2 | Pleistocene | 2.588 | 0.0117 | Pleistocene | FreshGEN team decision |
| 4004 | Huéscar (includes several samples from Robles, 1989) | Huésvar | Spain | Huésvar | 37.81104 | -2.54416 | 2 | Pleistocene | 2.588 | 0.0117 | Pleistocene | FreshGEN team decision |
| 4005 | Huésvar-Venta Micena (includes several samples from Robles, 1989) | Huésvar | Spain | Huésvar-Venta Micena | 37.75633 | -2.474327 | 3 | Pleistocene | 2.588 | 0.0117 | Pleistocene | FreshGEN team decision |
| 3097 | Hugfling (north, direction to Oberhausen) | Hugfling | Germany | | 47.775282 | 11.140623 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Hermann, H. 1957. Die Entstehungsgeschichte der postglazialen Kalkstufe der Umgebung von Weilheim (Oberbayern). Neues Jahrbuch für Geologie und Paläontologie Abhandlungen, 11-12, 1-11. |
| 4493 | Huntingdon (Hemingford Abbotts) | Huntingdon | United Kingdom | | 50.301958 | -0.126602 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 32 (2), 104-142. DOI: 10.1016/S0016-3876(22)80002-X. |
| 4426 | Huntingdon (Saint Ives, island on river Ouse) | Huntingdon | United Kingdom | | 52.318533 | -0.066575 | 2 | Holocene | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-3876(22)80002-X. |
| 3165 | Ialissós (section Rh2, samples R187-200 in Willmann, 1981) | Ialissós | Greece | Ialissós; Filerimos N slope | 36.405672 | 28.150234 | 2 | (early Pleistocene) | 1.5 | 1 | Pleistocene | Willmann, R. 1981. Evolution, Stratigraphic and stratigraphic Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agás. Palaeontographica Abt. A, 174, 10-235. |
| 4597 | IJsselstein (3SF/134, Swiersel Formation) | IJsselstein | Netherlands | | 52.018538 | 5.026662 | 2 | Bavelian to Cromerian | 1.2 | 0.78 | Pleistocene | Meijer, T., Preere, R.A. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Middle Pleistocene: environments and fauna. AIA, Baden-Baden, Brookfield. |
| 1100 | Il Belagao | Il Belagao | Italy | Belaciao | 43.07641 | 11.22082 | 4 | early Pleistocene | 2.588 | 0.781 | Pleistocene | Colletti, W. 1923-1930. Fossilini Cagliari. I. Conchiglie e Gastropodi tertiaria. W. Junk, Berlin. |
| 5875 | Iford (Cauliflower Pit in Juby, 2011) | Iford | United Kingdom | | 51.562962 | 0.085491 | 2 | MIS9 | 0.337 | 0.3 | Pleistocene | Degradation of Intracrystalline Amino Acids (IcPd). Scientific Dating Report, English Heritage, Research Department, 1-64. |
| 5825 | Iford (near the Seven Kings Station, Fg zones) | Iford | United Kingdom | | 51.564212 | 0.094887 | 2 | Iford (Uphall pit) | 0.251 | 0.195 | Pleistocene | Degradation of Intracrystalline Amino Acids (IcPd). Scientific Dating Report, English Heritage, Research Department, 1-64. |
| 5876 | Iford (Uphall Pit in Juby, 2011) | Iford | United Kingdom | | 51.555336 | 0.068987 | 2 | Iford (Uphall pit) | 0.251 | 0.195 | Pleistocene | Degradation of Intracrystalline Amino Acids (IcPd). Scientific Dating Report, English Heritage, Research Department, 1-64. |
| 3055 | Illa prefecture | Illa | Greece | Illi; Elea; Elide; Nomós Ilias | 37.75 | 21.58 | 4 | Gelaktion | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des îles Helléniques 29, 299-333. |
| 2803 | Illerissen (Buch) | Illerissen | Germany | | 48.223282 | 10.18643 | 2 | (late) | 1.7 | 0.73 | Pleistocene | Münzing, K., Akas, A. 1987. Weitere Funde molluskenführender Mergellagen im Unteren Deckenschotter von Bayerisch Schwaben. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereines, Neue Folge, 69, 181-193. |
| 5775 | Ilkirch-Graffenstaden | Ilkirch-Graffenstaden | France | | 48.52787 | 7.710003 | 2 | (Pleistocene old boundaries) | 1.806 | 0.0117 | Pleistocene | FreshGEN team decision |
| 4839 | Imbramowice (faunal list, locality 30 in Alexandrowicz and Alexandrowicz, 2010) | Imbramowice | Poland | | 50.968857 | 16.569197 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |
| 3897 | Imiołki (next to NW shore of the Lake Lednica, about 300 metres S of the village Imiołki) | Imiołki | Poland | | 52.556615 | 17.383123 | 2 | late Glacial to beginning of Holocene | 0.0147 | 0.01 | Pleistocene | Apolinarska, K., Cisowska, M. 2006. Late Glacial and Holocene lacustrine molluscs from Wielkopolska (central Poland) and their environmental significance. Acta Geologica Polonica, 56 (1), 51-66. |
| 3580 | Inselberrasse | Inselberrasse | Germany | | 51.598474 | 7.299316 | 3 | (Holocene) | 0.0117 | 0 | Holocene | Uhlir, H. 1933. Das Diapause des Lippepasses zwischen Lünen und Wesel und einiger angrenzenden Gebiete. Jahrbuch der Preussischen Geologischen Landesanstalt, 54, 37-57. |
| 5803 | Iosamnia (channel near Neochori) | Iosamnia | Greece | | 39.749334 | 20.714389 | 2 | Subrecent | 0.0117 | 0 | Holocene | Rieschitz, A., Reischitz, P.L. 2005. Hellenic pantoja, 11. Ein Beitrag zur Kenntnis der Mollekulfauva des ehemaligen Limni Lapista (Epirus, Griechenland). Nachbericht der ersten Vorarbeiter Malakologischen Gesellschaft, 13, 59-61. |
| 4122 | Iosamnia (SW of Katsikas village, Guernet et al., 1977 in Frogley and Preece, 2004) | Iosamnia | Greece | | 39.620418 | 20.907965 | 2 | early Early | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des îles Helléniques 29, 299-333. |
| 4435 | Ipswich (tallium of River Gipping) | Ipswich | United Kingdom | | 52.059315 | 1.115873 | 2 | Neolithic Age | 0.01 | 0.0043 | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-3876(22)80002-X. |
| 5819 | Ipswich (Bobbitshole) | Ipswich | United Kingdom | | 52.030029 | 1.135052 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Sparks, B.W. 1957. The non-marine Mollusca of the Interglacial deposits at Bobbitshole, Ipswich. Philosophical transactions of the Royal Society of London B, 241, 33-44. doi:10.1098/rstb.1957.0007. |
| 4499 | Ipswich (Stinton, list in Kennard and Woodward, 1922 and Sparks and West, 1963) | Ipswich | United Kingdom | | 51.954417 | 1.129438 | 2 | Iford (Uphall pit) | 0.251 | 0.195 | Pleistocene | Sparks, B.W. 1957. The non-marine Mollusca of the Interglacial deposits at Bobbitshole, Ipswich. Philosophical transactions of the Royal Society of London B, 241, 33-44. doi:10.1098/rstb.1957.0007. |
| 3285 | Isernia ('La Pineta' paleolithic site) | Isernia | Italy | | 41.591808 | 14.241199 | 1 | Pleistocene | 0.781 | 0.46 | Pleistocene | Eru, D., Grönfors, O. 1991. Late Pleistocene and Pleistocene assemblages of continental molluscs in Italy. A survey. Il Quaternario, 4 (1a), 137-150. |
| 3200 | Isermania (ESE of Isermania) | Isermania | Germany | | 48.218752 | 11.680082 | 2 | Alluvial | 0.0117 | 0 | Holocene | Schröder, R. 1915. Die Conchylien des Münchner Gebiets vom Pleistocen bis zur Gegenwart. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 3-4, 97-133, 145-196. |
| 3179 | Ismamning (gravel pit NW of Ismaning) | Ismamning | Germany | | 48.233539 | 11.672241 | 2 | (boundaries) | 1.806 | 0.0117 | Pleistocene | Schröder, R. 1915. Die Conchylien des Münchner Gebiets vom Pleistocen bis zur Gegenwart. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 3-4, 97-133, 145-196. |
| 3502 | Izán | Izán | Belarus | | 52.048493 | 25.919738 | 2 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Sanko, A.P. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5340 | Izsák (Holocene Part of the Profile) | Izsák | Hungary | | 46.75269 | 19.343278 | 2 | 0.0161631-0 Ma | 0.011631 | 0 | Holocene | Szűcs, P., et al. 2011. Radiocarbon dated paleoenvironmental changes on a lake and peat sediment sequence from the Central Great Hungarian Plain (Central Europe) during the last 25,000 years. Radiocarbon, 53 (1), 87-97. |
| 5339 | Izsák (Upper Würmian and Late Glacial Part of the Profile) | Izsák | Hungary | | 46.75269 | 19.343278 | 2 | Ma | 0.01797 | 0.011515 | Pleistocene | Szűcs, P., et al. 2011. Radiocarbon dated paleoenvironmental changes on a lake and peat sediment sequence from the Central Great Hungarian Plain (Central Europe) during the last 25,000 years. Radiocarbon, 53 (1), 87-97. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|----------------|---|-----------|-----------|---|-------------------|---------------------|---------------------|-------------|--|
| 3920 | Jasło (Jasło-Bryły, at Krajowice, about 5km N of Jasło) | Jasło | Poland | | 49.784124 | 21.442939 | 2.045-0.0333 Ma | 0.045 | 0.0333 | | Pleistocene | Alexandrowicz, S.W., Mamakowa, K., Wojciech, A. 1985. Jasło-Bryły: Stratigraphy of alluvial and deluvial deposits of the North Polish Glaciation. Carpathian-Balkan Geological Association XIII Congress Guide Excursion. Kraków, 5, 11-113. |
| 3924 | Jasło (Osobnica-Pustki locality 12 in Alexandrowicz, 1988) | Jasło | Poland | | 49.701248 | 21.405556 | 3.036-0.027 Ma | 0.036 | 0.027 | | Pleistocene | Alexandrowicz, S.W. 1988a. Mollusca fauna of Late Quaternary loess-like deposits in the Polish Carpathians. <i>Acta Geologica Polonica</i> , 38, 85-106. |
| 3913 | Jasło (Roztoki) | Jasło | Poland | | 49.746214 | 21.511658 | late Vistulan to early Holocene | 0.0119 | 0.0078 | | Holocene | Alexandrowicz, S.W. 1987. Mollusca fauna of the Late Vistulan and Early Holocene lacustrine chalk from Roztoki near Jasło (Jasło-Sanok depression). <i>Acta Palaeobotanica</i> , 27(1), 67-74. |
| 5104 | Jatwieź | Jatwieź | Belarus | Yatev' | 52.751261 | 24.963582 | older than Alessandrian Interglacial | 0.781 | 0.41 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography, Russian National Academy of Sciences, Belarus. |
| 3558 | Jazak | Jazak | Serbia | | 45.100475 | 19.766366 | 2.0em Series | 2.588 | 0.126 | | Pleistocene | Hajdin, D., Gudopov, T., Bogolyubov, K., Galan, Z. 2011. The lower Quaternary boundary in the Southeastern Srem (North Serbia). <i>Bulletin of the Natural History Museum</i> , 4, 23-36. |
| 5773 | Jockgrim (on the road to Hatzenbühl, Layer 4) | Jockgrim | Germany | Hatzenbühl | 49.100666 | 8.254711 | 2Cromerian | 0.86 | 0.46 | | Pleistocene | Geissert, F. 1962. Die Moluskfauna der Dithmarscher-Terrasse von Mothens bei Lauterburg im Elsass. <i>Mitteilungen des Badischen Landesvereines für Naturkunde und Naturgeschichte</i> , Freiburg 3. Br., Neue Folge, 8 (2), 223-233. |
| 4007 | Joniškis (Miūs Tyrelis peat bog section) | Joniškis | Lithuania | Miūs Tyrelis | 56.21923 | 23.249882 | 2Late Glacial to Holocene | 0.0147 | 0 | | Holocene | Sanko, A., Vainorius, J., Melešytė, M. 2010. Mollusca fauna of Holocene freshwater calcareous deposits of Lithuania. <i>Geologia</i> , 52 (1-4), 16-24. |
| 4008 | Joniškis (Pabalių section) | Joniškis | Lithuania | | 56.375014 | 23.314116 | 2Late Glacial to Holocene | 0.0147 | 0 | | Holocene | Sanko, A., Vainorius, J., Melešytė, M. 2010. Mollusca fauna of Holocene freshwater calcareous deposits of Lithuania. <i>Geologia</i> , 52 (1-4), 16-24. |
| 4823 | Józwin (faunal list, fig 12 in Alexandrowicz and Alexandrowicz, 2010 and Józwin 84 site in Ciszewska, 1996) | Józwin | Poland | | 52.331591 | 18.223275 | 2Eemian | 0.125 | 0.115 | | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Poloniae</i> , 80, 69-87. |
| 3685 | Juodkrante (Borehole 10 in Damušytė, 2009) | Juodkrantė | Lithuania | | 55.564253 | 21.165982 | 2Late Glacial to Holocene | 0.0147 | 0 | | Holocene | Damušytė, A. 2009. Late Glacial and Holocene subfossil mollusc shells on the Lithuanian Baltic Sea coast. <i>Baltica</i> , 22 (2), 111-122. |
| 3684 | Juodkrante (Borehole 9 in Damušytė, 2009) | Juodkrantė | Lithuania | | 55.561915 | 21.142324 | 2Holocene | 0.0147 | 0 | | Holocene | Damušytė, A. 2009. Late Glacial and Holocene subfossil mollusc shells on the Lithuanian Baltic Sea coast. <i>Baltica</i> , 22 (2), 111-122. |
| 4590 | Kalbsrieth (Untere und Obere Kiese, Bornital and Artern Interglacial respectively) | Kalbsrieth | Germany | | 51.340652 | 11.338639 | 2Bavelian to Cromerian Interglacial I | 1.2 | 0.78 | | Pleistocene | Meijer, T., Preece, R.C. 1996. Molluscan evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) <i>The Early Middle Pleistocene in Europe</i> . A.A. Balkema, Rotterdam, Brookfield. |
| 1113 | Kalefeld (Wülfelshausen) | Kalefeld | Germany | Wülfelshausen near Hannover | 51.78048 | 10.1072 | 2late Pleistocene | 2.588 | 0.781 | | Pleistocene | |
| 5712 | Kaloča (42-55 m and 58 m) | Kaloča | Hungary | | 46.521628 | 18.992903 | 2early Pleistocene (old boundaries) | 1.806 | 0.781 | | Pleistocene | Jásaki, S., Kraljević, E. 1991. Negyedszázalékos környezetgélek és folyóvíz tizeddelképzőhöz a Dunai-völgyben Pak és Möhös között. Magyar Állami Földtani Intézet Évi Jelentése 1989-90, 65-84. |
| 5338 | Karakent (halfway between Karakent and Ilıva, near lakeside) | Karakent | Turkey | NE Karagend, halfway between Karagend and Elles (Ilıva) | 37.739499 | 30.107517 | 2late Pleistocene | 0.126 | 0.0117 | | Pleistocene | Böing, O. 1971. Lithostratigraphie, tektonische Entwicklung und Seegeschichte der neogenen und quartären intramontane Becken der Pälsidischen Steppenregion (Südostanatolien). <i>Kanozontan und Braunkohlen der Terek 5</i> . Beih. Geol. Abh., 101, 1-151. |
| 395 | Karaman (Kilbasi) | Karaman | Turkey | | 37.32453 | 33.173056 | 2late Quaternary | 1.25 | 0 | | Pleistocene | Safak, U., Taşer, G. 1998. Kültürel yöresinde (Karaman kuzeyi) bulunan Küsteler talus faunası (Quaternary freshwater fauna found in Kabasın region (North Karaman)). <i>Maden Teknik ve Arama Dergisi</i> 120, 35-45. |
| 3202 | Kardaimana (samples K320-321 in Willmann, 1981) | Kardaimana | Greece | Kardaimana; Kardamena; Kardhamena | 36.775261 | 27.135458 | 2Tati Formation (early Pleistocene) | 2 | 1.6 | | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Ağäs. <i>Palaearctographe</i> Aha, 1, 174-203. |
| 3189 | Kardaimana (section K6, samples K51-61 in Willmann, 1981) | Kardaimana | Greece | Kardaimana; Kardamena; Kardhamena | 36.774917 | 27.128713 | 2Shirovaya Formation (early Pleistocene) | 2.3 | 2 | | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Ağäs. |
| 3190 | Kardaimana (section K7, samples K79 in Willmann, 1981) | Kardaimana | Greece | Kardaimana; Kardamena; Kardhamena | 36.785676 | 27.116017 | 2Tati Formation (early Pleistocene) | 2 | 1.6 | | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Ağäs. |
| 3191 | Kardaimana (section K8, samples K84-91 in Willmann, 1981) | Kardaimana | Greece | Kardaimana; Kardamena; Kardhamena | 36.783098 | 27.130283 | 2Tati Formation (early Pleistocene) | 2 | 1.6 | | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Ağäs. |
| 4924 | Kardoskút (Molluscological zones 1 to 6) | Kardoskút | Hungary | | 46.471919 | 20.628363 | 2Ma | 0.02828 | 0.00892 | | Pleistocene | Szemesi, P., László, T., Hegyi, T. 2011. Late Quaternary paleoenvironment and paleoclimate of the Lake Fehérvár (Fehérvár) sequence at Kardoskút (South Hungary), based on preliminary mollusc records. <i>Central European Journal of Geosciences</i> , 3 (1), 43-52. |
| 5157 | Karelčíky (Timošlochovici 1 and 2) | Karelčíky | Belarus | Karelčíky, Timošlochovici | 53.569075 | 26.127353 | 3Interglacial | 0.125 | 0.115 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 2311 | Karkin (site 3 in De Ridder, 1965) | Karkin | Turkey | | 37.617495 | 32.883739 | 2late Pleistocene | 0.126 | 0.0117 | | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. <i>Palaearctographe</i> Aha, 1, 174-235. |
| 3940 | Karkonowo (Holocene lake Zuchowo, on the bank of the Mienia brook) | Karkonowo | Poland | Karkonów, Karkonowa, Zuchów, Zuchowa | 52.844393 | 19.264953 | 2Holocene | 0.0117 | 0 | | Pleistocene | FreshGEN team decision |
| 2309 | Kasnjanham (site 2 in De Ridder, 1965) | Kasnjanham | Turkey | | 37.697948 | 32.583937 | 2late Pleistocene | 0.126 | 0.0117 | | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. <i>Palaearctographe</i> Aha, 1, 235-254. |
| 5301 | Kaspalyne | Kaspalyne | Belarus | Kaspiane | 55.444565 | 30.853516 | 3Pozerian glacial | 0.115 | 0 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4482 | Kenn (ichades deposits at Church Kenn area, Yew Tree Farm and Kennpier Fottbridge) | Kenn | United Kingdom | | 51.420478 | -2.828854 | 2Ipswichian | 0.125 | 0.115 | | Pleistocene | Giberson, D.D., Hawkins, A.B. 1978. The Pleistocene succession at Kenn, Somerset. <i>Bulletin of the Geological Survey of Great Britain</i> , 66, 1-41. |
| 4543 | Kessingland (Kessingland/Pakefield) | Kessingland | United Kingdom | | 52.434641 | 1.7235 | 2Cromerian | 0.86 | 0.46 | | Pleistocene | Meijer, T., Preece, R.C. 1996. Molluscan evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) <i>The Early Middle Pleistocene in Europe</i> . A.A. Balkema, Rotterdam, Brookfield. |
| 5021 | Kestrice (Carevo-sek), uncertain locality, 12 in Petrók, 1940a) | Kestrice | Bulgaria | | | | 2Pleistocene (old boundaries) | 1.806 | 0.0117 | | Pleistocene | Petrok, J. 1940a. <i>The Molluscs of the Bulgarian Quaternary</i> . Spisanie na Bulgarskototo Geologichesko Druzhestvo, 11, 133-144. |
| 4144 | Kentschach am See (Keutschacher See, station 75 in Frank, 2006) | Kentschach am See | Austria | | 46.591389 | 14.166944 | 1Holocene | 0.0078 | 0 | | Pleistocene | Frank, C. 2006. Prä-pleistozäne und holozäne Molusken Oststeiermark. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. |
| 2403 | Kharani | Kharani | Azerbaijan | | | | 2Azerbaijanian | 2.15 | 0.9 | | Pleistocene | Andrusov, N. 1923. <i>Apsheronijskij kvariet, novaja serija</i> . 110, 1-294. |
| 5702 | Kiel (Flemhuder See) | Kiel | Germany | | 54.341112 | 9.964651 | 1Late Glacial to Post Glacial | 0.0147 | 0.0075 | | Holocene | Tüdös, F. 1929. Untersuchungen über spät- und postglaziale Ablagerungen in Becken der kuppigen Grundmoränenlandschaft Schleswig-Holsteins. <i>Archiv für Hydrobiologie</i> , 29, 345-398. |
| 5703 | Kiel (Holtenau, boreholes 1 to 5) | Kiel | Germany | | 54.365959 | 10.127629 | 1Late Glacial to Post Glacial | 0.0147 | 0.0075 | | Holocene | Tüdös, F. 1929. Untersuchungen über spät- und postglaziale Ablagerungen in Becken der kuppigen Grundmoränenlandschaft Schleswig-Holsteins. <i>Archiv für Hydrobiologie</i> , 29, 345-398. |
| 5683 | Kiel (Meimersdorfer Moor - aencyclopeitische Mergel) | Kiel | Germany | | 54.286467 | 10.113636 | 2Aencylos Lake stage | 0.0095 | 0.008 | | Holocene | Schuster, O. 1929. <i>Praehistorische Quellen Schleswig-Holsteins und ihre Moluskenfauna in Beziehung zu den Veränderungen des Klimas und der Gezeitwasser</i> . Archiv für Hydrobiologie, 16, 1-10. |
| 5682 | Kiel (Meimersdorfer Moor - Bändertone and Dryaston) | Kiel | Germany | | 54.286467 | 10.113636 | 2late Glacial | 0.0147 | 0.01156 | | Pleistocene | Schuster, O. 1929. Postglaziale Quellen Schleswig-Holsteins und ihre Moluskenfauna in Beziehung zu den Veränderungen des Klimas und der Gezeitwasser. Archiv für Hydrobiologie, 16, 1-10. |
| 5684 | Kiel (Meimersdorfer Moor - der schneckenreiche Sapropel) | Kiel | Germany | | 54.286467 | 10.113636 | 2youngger age | 0.008 | 0 | | Holocene | Schuster, O. 1929. Postglaziale Quellen Schleswig-Holsteins und ihre Moluskenfauna in Beziehung zu den Veränderungen des Klimas und der Gezeitwasser. Archiv für Hydrobiologie, 16, 1-10. |
| 5703 | Kiel (Schliksee) | Kiel | Germany | | 54.417804 | 10.163206 | 2Post Glacial | 0.0147 | 0.0075 | | Holocene | Tüdös, F. 1929. Untersuchungen über spät- und postglaziale Ablagerungen in Becken der kuppigen Grundmoränenlandschaft Schleswig-Holsteins. <i>Archiv für Hydrobiologie</i> , 20, 345-398. |
| 4397 | Kildimo (Blach Lough) | Kildimo | Ireland | Bleach Lough | 52.6383 | -8.817696 | 2post-Pliocene | 1.806 | 0 | | Pleistocene | Kennard, A.S., Woodward, B.H. 1917. The Post-Pliocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1080/0896075878178009-17. |
| 5679 | Kiliya (wells 34, 33 and 37) | Kiliya | Ukraine | Chilia; Chilia-Nouă; Kiliya Nouă | 45.45518 | 29.26367 | 3Holocene | 0.0117 | 0 | | Holocene | Vaynshtejn, V.V., Tryazinina, V.A. 1992. New Data on Mollusks of the Black Sea Holocene Deposits of the Ukraine [in Russian]. <i>Vestnik Sistem, A., Wu, Kuipei, J.G.J., McMillan, N.F., Mitchell, G.F. 1972. The Late-Glacial and Post-Glacial Mollusca of the White Bog, Co. Down. Proceedings of the Royal Irish Academy, Section B: Biological, Geological and Chemical Science</i> , 72, 185-207. |
| 4369 | Killough (marl at White Bog) | Killough | United Kingdom | | 54.249422 | -5.659405 | 2late Glacial to Holocene | 0.0147 | 0 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5255 | Kirovo | Kirovo | Belarus | | 52.959737 | 27.533212 | 2to Holocene | 0.115 | 0 | | Pleistocene | |
| 5725 | Kiság (updated list in Krołopp, 1981) | Kiság | Hungary | | 46.959781 | 18.386045 | 2late Pleistocene to lower Middle Pleistocene | 2.588 | 1.2 | | Pleistocene | Krołopp, E. 1981. Négyelőszázszor stratiotípusaink Molusca-faunája Kiság. Magyar Állami Földtani Intézet Évi Jelentése 1979-ról, 477-482. |
| 5626 | Kislisa (Ionian) | Kislisa | Ukraine | Kislizm (Bessarabia); Kyslytsya; Csárta; Csárta-Dunare; | 45.411948 | 29.040241 | 2Neopleistocene (Ionian) | 0.43 | 0.135 | | Pleistocene | Grohik, P.F., Datsenko, I.N. 2007. Presnovodye Molusky podzemnoy kaynozoya yuga Bostochnoy Yevropy. <i>Chasť II. Natsional'naya Akademiya Nauk Ukrayiny. Institut Geologicheskikh Nauk Kav. Kev.</i> |
| 3125 | Kítlegg (NW of Kítlegg, Hahnsteiger Moor) | Kítlegg | Germany | | 47.806085 | 9.860679 | 2Diluvial | 1.806 | 0.0117 | | Pleistocene | Wagner, E. 1911. Über die Ausbildung des Diluviums in der nordöstlichen Bodenseelandschaft mit besonderer Berücksichtigung des Schussengebietes. <i>Jahresheft des Vereins für vaterländische Naturkunde in Württemberg</i> , 67, 289-329. |
| 5237 | Kittilä (Kalkkaruvaara lime ooze) | Kittilä | Finland | | 67.647832 | 25.255564 | 2Atlantic | 0.009 | 0.0067 | | Holocene | Salmi, M. 1963. On the softsilice Pedicularis algae and molluscs in the Late-Quaternary sediments of Finnish Lapland. <i>Archivum Societas Zoologica Botanica Fenniae Vanamo</i> , 18, 105-120. |
| 3688 | Klaipėda (Borehole 165 in Damušytė, 2009) | Klaipėda | Lithuania | | 55.690367 | 21.102565 | 20.0092-0.0068 Ma | 0.0092 | 0.0068 | | Holocene | Batasas, A., et al. 2000. Stratigraphic correlation of Late Weichselian and Holocene deposits in the Lithuanian coastal region. <i>Proceedings of the Estonian Academy of Sciences, Geology</i> , 49 (3), 201-217. |
| 3686 | Klaipėda (Borehole 91 in Damušytė, 2009) | Klaipėda | Lithuania | | 55.751542 | 21.084797 | 20.0064 Ma | 0.006235 | 0.006041 | | Holocene | Damušytė, A. 2009. Late Glacial and Holocene subfossil mollusc shells on the Lithuanian Baltic Sea coast. <i>Baltica</i> , 22 (2), 111-122. |
| 3687 | Klaipėda (Borehole 93 in Damušytė, 2009) | Klaipėda | Lithuania | | 55.762007 | 21.082715 | 2Litorina Sea stage | 0.008 | 0.004 | | Holocene | Estonian Academy of Sciences, Geology, 49 (3), 201-217. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|----------------------|--------------------|---|-----------|-----------|---|---|---------------------|---------------------|---|--|
| 5274 | Kidzieniaty | Kidzieniaty | Belarus | | 54.472431 | 26.458672 | 2(boundaries) | Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4437 | Knethishall | Knethishall | United Kingdom | | 52.385885 | 0.897661 | 2 | Holocene | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. |
| 4826 | Kochanów (faunal list [not complete!], fig 15 in Alexandrowicz and Alexandrowicz, 2010) | Kochanów | Poland | | 51.776304 | 20.008808 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |
| 5277 | Kokhonovschina | Kokhonovschina | Belarus | | | | | Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4441 | Kololets Ak-Yayla | Kololets Ak-Yayla | Turkmenistan | | 39.41667 | 54.63333 | 2 | late Pleistocene | 0.781 | 0.0117 | Pleistocene | FreshGEN team decision |
| 4442 | Kololets Dekcha | Kololets Dekcha | Turkmenistan | | 39.88313 | 55.73333 | 2 | Kivalianian | 0.2 | 0.0117 | Pleistocene | Nevezskaya, L.A. 1958. Chetverichnye morskiye molyuski Turkmenii. Trudy Paleontologicheskogo Instituta, 65, 1-82. |
| 4443 | Kololets Iedy | Kololets Iedy | Turkmenistan | | 39.94692 | 56.87983 | 2 | Pleistocene | 0.781 | 0.0117 | Pleistocene | FreshGEN team decision |
| 3899 | Kolodiv (samples 1 to 6 in Alexandrowicz and Dmytryuk, 2007) | Kolodiv | Ukraine | | 49.170131 | 24.543379 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, W.P., Dmytryuk, R. 2007. Molluscs in Eemian Vistulan deposits of the Kolodiv section, Ukraine (East Carpathian Foreland) and their paleogeological interpretation. Geological Quarterly, 51 (2), 173-178. |
| 3890 | Kolodiv (samples 12 to 15 in Alexandrowicz and Dmytryuk, 2007) | Kolodiv | Ukraine | | 49.170131 | 24.543379 | 2 | upper Plienglacial | 0.028 | 0.0117 | Pleistocene | Alexandrowicz, W.P., Dmytryuk, R. 2007. Molluscs in Eemian Vistulan deposits of the Kolodiv section, Ukraine (East Carpathian Foreland) and their paleogeological interpretation. Geological Quarterly, 51 (2), 173-178. |
| 5240 | Komorniki | Komorniki | Poland | | 53.750543 | 22.88669 | 2 | Interglacial | 1.2 | 0.8 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |
| 5252 | Komotovo | Komotovo | Belarus | | 53.57533 | 24.05731 | 2 | Murasian | 0.125 | 0.115 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5303 | Končevy | Končevy | Belarus | | 52.063881 | 25.800043 | 2 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5022 | Konstantin Monastery (uncertain locality, 13 in Petrbok, 1940a) | Konstantin Monastery | Bulgaria | | | | | Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Petrbołk, J. 1940a. The Molluscs of the Bulgarian Quaternary. Spisanie na Balgarskoto Geologichesko Druzhestvo, 11, 133-144. |
| 2315 | Konya (site 12 in De Ridder, 1965) | Konya | Turkey | | 37.999409 | 32.599125 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. Palaeogeography, Palaeoclimatology, Palaeoecology, 1, 225-254. |
| 2312 | Konya (site 5 in De Ridder, 1965) | Konya | Turkey | | 37.869078 | 32.555923 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. Palaeogeography, Palaeoclimatology, Palaeoecology, 1, 225-254. |
| 2313 | Konya (site 6 in De Ridder, 1965) | Konya | Turkey | | 37.847951 | 32.698317 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. Palaeogeography, Palaeoclimatology, Palaeoecology, 1, 225-254. |
| 2314 | Konya (sites 7+8 in De Ridder, 1965) | Konya | Turkey | | 37.91468 | 32.531548 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. Palaeogeography, Palaeoclimatology, Palaeoecology, 1, 225-254. |
| 4818 | Kopaszewko (faunal list [not complete!], fig 6 in Alexandrowicz and Alexandrowicz, 2010) | Kopaszewko | Poland | | 52.009336 | 16.81755 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |
| 5150 | Kopyš | Kopyš | Belarus | | 54.324263 | 30.291504 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5276 | Korchevo | Korchevo | Belarus | Korchevaya | | 53.547999 | 26.192262 | older than Alexandrian Interglacial | 0.781 | 0.41 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5633 | Kórnik (core Bn1) | Kórnik | Poland | | 52.206964 | 17.110333 | 2 | Pri-Bölling to Late Middle Ages | 0.013 | 0.0007 | Holocene | Wojciechowski, A. 1999. Late Glacial and Holocene lake-level fluctuations in the Kórnik-Zaniemyśl lakes area, Great Poland Lowland. Quaternary Studies in Poland, 16, 81-101. |
| 5631 | Kórnik (core Kot61) | Kórnik | Poland | | 52.243747 | 17.085832 | 2 | Younger Dryas to early Subboral | 0.0129 | 0.0037 | Holocene | Wojciechowski, A. 1999. Late Glacial and Holocene lake-level fluctuations in the Kórnik-Zaniemyśl lakes area, Great Poland Lowland. Quaternary Studies in Poland, 16, 81-101. |
| 4928 | Köröshegy (profil of Ziegelfabrik) | Köröshegy | Hungary | | 46.833952 | 17.901926 | 2 | (old boundaries) | 1.806 | 0.781 | Pleistocene | Tóthozsztó, M., Kropp, E. 1977. Ásfelvidéki végü puhatestű és gerinctelen fauna a köröshegyi ittigyejár (Balatonföldvár) fejtársasábeli. Magyar Állami Földtan Intézet Évi Jelentése 1975-rol, 369-382. |
| 5282 | Korotyak | Korotyak | Russian Federation | | 50.993822 | 39.16984 | older than Alexandrian Interglacial | 0.781 | 0.41 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 5283 | Kostyonki (Markina Gora) | Kostyonki | Russian Federation | Kostenki | 51.382938 | 39.049976 | 2 | Poozerian glacial | 0.115 | 0.0117 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5628 | Koszalin (Grabowa river valley) | Koszalin | Poland | | 54.302515 | 16.434352 | 2 | 0.00921 Ma | 0.00921 | 0.00921 | Holocene | Fałkówowicz, S., Krzymińska, J. 1989. Staszek Holocen w Dolinie Grabowej koło Koszalina. Studia i Materiały Oceanologiczne 56, 331-337. |
| 3781 | Kotlovina (Pleistocene) | Kotlovina | Ukraine | Bulboka; Bulboca; Bulboaca | 45.50661 | 28.5747 | Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Macioczek, N. 1980. Recherches géologiques et paléontologiques dans la Bessarabie méridionale (Roumanie). Annales scientifiques de l'Université de Bucarest, 31 (1), 177-422. | |
| 5330 | Kotlovina (Western shore of Yalpug Lake, near the village Kotlovina) | Kotlovina | Ukraine | Bulboka; Bulboca; Bulboaca; Kotlovyna, Kotlowina | 45.508934 | 28.589115 | 2 | Neoxianian | 0.126 | 0.0117 | Pleistocene | Livineanu, D.P., Anstenenko, V.V. 1998. Some new data on Prostobranch gastropods from Neoxianian deposits of the Lake Yalpug. Bieler, R., Miklosen, P.M. (eds.) Abstracts of 17th World Congress of Malacology, Washington, D.C. |
| 5284 | Kozye (Máldány-Kozye) | Kozye | Russian Federation | Malovidy-Kozya | 55.541657 | 31.108254 | 2 | Interglacial | 0.125 | 0.115 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5580 | Kozyna | Kozyna | Ukraine | | 49.083142 | 24.750142 | 2 | Pleistocene | 0.781 | 0.0117 | Pleistocene | FreshGEN team decision |
| 2990 | Kraków (Hebdó/w) | Krakow | Poland | | 50.141575 | 20.397864 | 2 | upper Younger Loess | 0.028 | 0.0147 | Pleistocene | Alexandrowicz, S.W., Gibica, P. 1997. Malakofauna lessów w Hebdowie kolo Krakowa. Kwartałnik AGH Geologia, 23 (1), 9-28. |
| 2992 | Kraków (Śmiłowice samples m1-m5) | Krakow | Poland | | 50.140965 | 20.446461 | 2 | Holocene | 0.0117 | 0 | Holocene | Alexandrowicz, S.W., Gibica, P. 1997. Malakofauna lessów w Hebdowie kolo Krakowa. Kwartałnik AGH Geologia, 23 (1), 9-28. |
| 2991 | Kraków (Trawniki samples t1-t3) | Krakow | Poland | | 50.129231 | 20.412926 | 2 | Vistulan | 0.115 | 0.0117 | Pleistocene | Alexandrowicz, S.W., Gibica, P. 1997. Malakofauna lessów w Hebdowie kolo Krakowa. Kwartałnik AGH Geologia, 23 (1), 9-28. |
| 4441 | Krasnovodsk peninsula | | Krasnovodsk | Turkmenistan | 39.75404 | 53.05867 | 3 | Kivalianian | 0.2 | 0.0117 | Pleistocene | Nevezskaya, L.A. 1958. Chetverichnye morskiye molyuski Turkmenii. Trudy Paleontologicheskogo Instituta, 65, 1-82. |
| 5648 | Krefeld (Dachsberg) | Krefeld | Germany | | 51.498721 | 6.498656 | 2 | Interglacial | 0.41 | 0.38 | Pleistocene | Kempf, E.K. 1968. Mollusken aus dem Niederrheingebiet. Archiv für Molluskenkunde, 98 (1/2), 1-22. |
| 5650 | Krefeld (De-Graff-Straße) | Krefeld | Germany | | 51.339262 | 6.535866 | 2 | Interglacial | 0.41 | 0.38 | Pleistocene | Kempf, E.K. 1968. Mollusken aus dem Holstein-Interglazial des Niederrheingebietes. Archiv für Molluskenkunde, 98 (1/2), 1-22. |
| 5649 | Krefeld (Eyler berg) | Krefeld | Germany | | 51.488257 | 6.546414 | 2 | Interglacial | 0.41 | 0.38 | Pleistocene | Kempf, E.K. 1968. Mollusken aus dem Holstein-Interglazial des Niederrheingebietes. Archiv für Molluskenkunde, 98 (1/2), 1-22. |
| 5641 | Krefeld (Tönisberg) | Krefeld | Germany | | 51.408402 | 6.480759 | 2 | Interglacial | 0.41 | 0.38 | Pleistocene | Kempf, E.K. 1968. Mollusken aus dem Holstein-Interglazial des Niederrheingebietes. Archiv für Molluskenkunde, 98 (1/2), 1-22. |
| 3780 | Krinichnoye (ca. 1 km S of village) | Krinichnoye | Ukraine | Cimneaus-Varuita; Cimneaus-Varuita; Chishma-Varuita; Chishma-Varuita; Chishma-Veruite | 45.50358 | 28.660898 | Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Macioczek, N. 1940. Recherches géologiques et paléontologiques dans la Bessarabie méridionale (Roumanie). Annales scientifiques de l'Université de Jassy, 36 (1), 177-422. | |
| 2874 | Kruklin (Soldany) | Kruklin | Poland | Soldany | 54.086481 | 21.857342 | 2 | early Holocene | 0.0117 | 0.0078 | Holocene | Czepiec, I. 1997. Malakofauna i środowisko depozycji jaskiniowej zbiory zkusa kruklin (NE Polska). Kwartałnik AGH Geologia, 23 (1), 121-129. |
| 2384 | Krymsk | Krymsk | Russian Federation | | 44.923001 | 37.994843 | 2 | Kuyalnitsk | 3.2 | 2.15 | Pleistocene | Kostyakov, V.N. 1928. Notes on the stratigraphy of the Plavno of Taman peninsula and adjacent parts of Kuban region [in Russian]. Bulletin de Société des Naturalistes de Moscou, section Géologie, 6 (2), 171-192. |
| 1189 | Kryzhanivka | Kryzhanivka | Ukraine | Krischanowka near Odessa; Kryjanovka | 46.56167 | 30.79487 | 2 | Kuyalnitsk | 3.2 | 1.62 | Pleistocene | Pavlov, A.P. 1925. Dépôts néogènes et quaternaires de l'île d'Utrish méridionale et orientale. Stratigraphie comparée des couches d'eau douce. Mém. Sect. Géol. Soc. Amis Sciences Nat., Anthropol., Ethnogr., 5, 1-215. |
| 4823 | Krzyżówka (site Krzyżówka V) | Krzyżówka | Poland | | 52.205223 | 18.619351 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Szlamacha, G., Skompski, S. 1999. Biogenic sediments of the Eemian Interglacial at Krzyżówka near Koło, Central Poland. Geological Quarterly, 43 (1), 99-106. |
| 2389 | Kuchugury (Mys Pekdy) | Kuchugury | Russian Federation | Cape Pekdy | 45.429781 | 36.923275 | 2 | Chandan | 0.7 | 0.4 | Pleistocene | Svtsova, A.A., Novikova, T.S. 2001. Lithology and Depositional Environments of Chandan Sediments in the Taman Peninsula (Pekda and Tuzla Reference Sections). Lithology and Mineral Resources, 36 (5), 480-485. |
| 5724 | Kules (profil between 1591 and 1592 km of the Danube, I, II, A, B) | Kules | Hungary | | 47.049237 | 18.940216 | 2 | Wurm | 0.41 | 0.0117 | Pleistocene | Rónai, A., Bartha, F., Kropp, E. 1965. A Kulcsi felszínök szeletének Magyar Állami Földtan Intézet Évi Jelentése 1963-rol, 167-187. |
| 4854 | Kunów (25 horizons of the profil at Kunów-Ciolek) | Kunów | Poland | | 50.948369 | 21.269798 | late Pleistocene to Holocene | 0.126 | 0 | Pleistocene | Piechocki, A. 1977. The late Pleistocene and Holocene Mollusca of the Kunów region (N-E margins of the Świętokrzyskie Mts.). Folia Quaternaria, 49, 23-36. | |
| 5632 | Kurzętnik (near Nowe Mosty) | Kurzętnik | Poland | | 53.598447 | 19.576809 | late Glacial to Holocene | 0.0147 | 0 | Holocene | Alexandrowicz, W.P. 2013. Late Glacial and Holocene molluscan assemblages in deposits filling paleolakes in Northern Poland. Studia Quaternaria, 30 (1), 5-17; doi: 10.2478/squa-2013-0001 | |
| 5233 | Kuusamo (calcareous mud of the Purkupuutanlampi series) | Kuusamo | Finland | | 65.964541 | 29.188384 | 3 | Upper Eoholocene | 0.0095 | 0.0085 | Holocene | Väistö, Y., Vasari, K., Loli, K. 1963. Purkupuutanlampi, a calcareous mud series from Kuusamo, North East Finland. Archivum Societatis Zoologicae Fenniae, Fennicae Vanamo, 19-96-104. |
| 5280 | Kuzevichi (borehole 1) | Kuzevichi | Belarus | Kuzeviči | 54.265163 | 27.806114 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4833 | Kwidziny (Brzelewo, faunal list, locality 23 in Alexandrowicz and Alexandrowicz, 2010) | Kwidziny | Poland | | 53.806004 | 18.974474 | 3 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |
| 4832 | Kwidziny (Nepion, faunal list, locality 23 in Alexandrowicz and Alexandrowicz, 2010) | Kwidziny | Poland | | 53.685327 | 17.750754 | 3 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|----------------------|----------------------------|--|-----------|-----------|---|------------------------|---------------------|---------------------|-------------|--|
| 5865 | La Bruyère (Plavis 4, samples I to VIII) | La Bruyère | France | | 45.639859 | 5.628017 | 2Subarctic | Preboreal to Subarctic | 0.0115 | 0 | Holocene | Mounou, J., Vilain, R. 1990. Les malacofaunes des sondages de Plavis I et IV. 22, 41-45. In: Borel, J.L., Bravard, J.P., Monjaudet, G. (eds.) Plavis, les dépôts du retrait glaciaire à l'aménagement hydroélectrique. Revue de Paléobiologie, volume spé. |
| 5866 | La Bruyère (Plavis 4, samples IX to XVI) | La Bruyère | France | | 45.639859 | 5.628017 | 2Upper Würm (?) | Upper Würm (?) | 0.015 | 0.01 | Pleistocene | Mounou, J., Vilain, R. 1990. Les malacofaunes des sondages de Plavis I et IV. 22, 41-45. In: Borel, J.L., Bravard, J.P., Monjaudet, G. (eds.) Plavis, les dépôts du retrait glaciaire à l'aménagement hydroélectrique. Revue de Paléobiologie, volume spé. |
| 5779 | Laucher See (fossil species list of Leydig, 1881, le Roi, 1910 and Miegel, 1964) | Laucher See | Germany | | 50.41289 | 7.271958 | | | 0.0147 | 0 | Holocene | FreshGEN team decision |
| 5868 | Lac de Chalain (station 2) | Lac de Chalain | France | | 46.676522 | 5.780313 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Magny, M., Mounou, J. 1990. Interprétation paléoenvironnementale d'une coupe stratigraphique de la station 2 de Chalain (Jura): comparaison des approches micropaléontologiques et malacologiques. Archives des sciences, 43 (1), 99-115. |
| 5686 | Lac d'Ilay | Lac d'Ilay | France | | 46.622927 | 5.896007 | 2Subarctic | | 0.0028 | 0 | Holocene | Magny, M., Mounou, J., Rebiatti, P. 1995. Late Holocene level fluctuations of the Lake Ilay in Jura, France: sediment and mollusc evidence and climate implications. Journal of Paleolimnology, 13, 219-229. |
| 4531 | Lacey (valley E of Shallow and N of Lacey) | Lacey | United Kingdom | | 53.615179 | -0.26358 | 4late Glacial | late Glacial | 0.0147 | 0.01156 | Pleistocene | Birrell, J.P.T., Davis, A.G. 1957. The Moluscan fauna of some early Post-Glacial deposits in North Lincolnshire and Kent. Journal of Conchology, 24 (5), 164-170. |
| 3929 | Laczki (BP-Bjelkowska valley Wysocki Waterfall) | Laczki | Poland | | 50.155243 | 19.737994 | 2.0085-0.0038 Ma | 0.0085 | 0.0038 | | Holocene | Alexandrowicz, S.W. 1983. Malacofauna of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 3930 | Laczki (BS-Bjelkowska valley Szeroki Waterfall) | Laczki | Poland | | 50.171112 | 19.741231 | 2.0008-0.0047 Ma | 0.008 | 0.0047 | | Holocene | Alexandrowicz, S.W. 1983. Malacofauna of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 3928 | Laczki (lk-near a mill, left bank of the stream) | Laczki | Poland | | 50.143232 | 19.740229 | 2.0084-0.0041 Ma | 0.0084 | 0.0041 | | Holocene | Alexandrowicz, S.W. 1983. Malacofauna of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 5700 | Lago di Averno (mollusc zone 1) | Lago di Averno | Italy | Lago d'Averno | | 40.836952 | 14.073222 | 2.0029-0.002 Ma | 0.0029 | 0.002 | Holocene | Wöhrel-Schröder, F.W., Riehl, C. 2000. Palaeoenvironmental history of the Holocene volcanic crater lake Lago d'Averno (central southern Italy) inferred from aquatic mollusc deposits. Journal of Quaternary Sciences, 15 (8), 805-812. |
| 3307 | Lamporecchio (Cava Mastromarco) | Lamporecchio | Italy | | 43.792132 | 10.878782 | 2late Villafranchian | | 2 | 1.1 | Pleistocene | Caredo, F., Esu, D., Testa, G. 1995. Il margine orientale del bacino Plio-pleistocenico di Lucca-Montecarlo-Vinci: evoluzione stratigrafica e tettonica. Studi Geologici Camera, Volume Speciale, 1, 253-253. |
| 5801 | Landsberg am Lech (Hurlach) | Landsberg am Lech | Germany | | 48.121853 | 10.851089 | Rise/Würm | Interglacial | 0.125 | 0.115 | Pleistocene | Kovanda, J. 1989. Fossile Mollusken in Kalksteinbildungen (Daunchen) am Lech-üfer östlich von Hurlach (nördlich Landsberg-Lech). Eiszeitalter und Gegenwart, 39, 33-41. |
| 4163 | Lauter See, station 85 in Frank, 2006) | Lauter | Austria | | 47.240556 | 11.420278 | 1Bölling to Bölling | | 0.01422 | 0.009 | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der Österreichischen Akademie der Wissenschaften, 62, Wien. |
| 2845 | Lauffen am Neckar (high terrace gravels of Lauffen am Neckar, Geyer, 1913 and 1914) | Lauffen am Neckar | Germany | | 49.062564 | 9.183269 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1913. Über die ältesten Schotter Schwabens und ihre Molluskenreste. Jahresberichte und Mitteilungen des Oberhessischen geologischen Vereins, 1913, 1-12, 120-138. |
| 5756 | Lausterbrunn (Profil Nord-2) | Lausterbrunn | Germany | | 48.470552 | 10.718154 | 2early Pleistocene | | 2.588 | 0.781 | Pleistocene | FreshGEN team decision |
| 4137 | Laxenburg (Schlosspark, station 87 in Frank, 2006) | Laxenburg | Austria | | 48.064666 | 16.3678 | 2early Atlantic | | 0.008 | 0.0067 | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der Österreichischen Akademie der Wissenschaften, 62, Wien. |
| 3506 | Le Chemin (banks of Orbe, station 39 in Favre, 1927) | Le Chemin | Switzerland | | 46.605854 | 6.242463 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 5863 | Le Grand-Lemps (cores III and IV) | Le Grand-Lemps | France | | 45.42448 | 5.412726 | 2Boreal to Subarctic | | 0.009 | 0 | Holocene | Clarc, J., Magny, M., Mounou, J. 1989. Histoire d'un milieu lacustre du Bas-Dauphiné: Le Grand Lemps. Etude paléogéologique des remaniements Tardiglaciaux et Holocènes, et mise en évidence des fluctuations lacustres à l'aide d'analyses sédimentologiques. |
| 4855 | Leba (fauna I, samples collected in the coastal zone between Leba and Uska) | Leba | Poland | | 54.686713 | 17.25094 | 3Preboreal | | 0.0129 | 0.009 | Holocene | Alexandrowicz, S.W. 1998. Holocene assemblages of Molluscs in the near-shore zone of Southern Baltic. Folia Malacologica, 6, 15-18. |
| 4856 | Leba (fauna II and III, samples collected in the coastal zone between Leba and Uska) | Leba | Poland | | 54.686713 | 17.125994 | 3Boreal | | 0.009 | 0.008 | Holocene | Alexandrowicz, S.W. 1998. Holocene assemblages of Molluscs in the near-shore zone of Southern Baltic. Folia Malacologica, 6, 15-18. |
| 5112 | Leba (Kluaki-115 profile) | Leba | Poland | Leba | 54.683607 | 17.33799 | 2transgression | | 0.006 | 0.004 | Holocene | Wojciechowski, A. 1995. Holocene deposits and molluscan assemblages in Lake Lebsko, Gdansk-Leba Coastal Plain. Journal of Coastal Research, Special Issue, 22, 237-243. |
| 5111 | Leba (Profil B10) | Leba | Poland | Leba | 54.715969 | 17.34785 | 2Litoria transgression and post-Litoria Sea stage | | 0.008 | 0.001 | Holocene | Wojciechowski, A. 1995. Holocene deposits and molluscan assemblages in Lake Lebsko, Gdansk-Leba Coastal Plain. Journal of Coastal Research, Special Issue, 22, 237-242. |
| 4586 | Leerdam (38H/148, Kedichem Formation-Leerdam Interglacial) | Leerdam | Netherlands | | 51.89534 | 5.097298 | 2Bavelin Complex | | 1.2 | 0.86 | Pleistocene | Meijer, T., Preec, R.C. 1996. Palaeological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Middle Pleistocene in Europe. A.A. Balkema, Rotterdam, Brookfield. |
| 2731 | Leffe (Formace Martinelli core section) | Leffe | Italy | | 45.809052 | 9.881155 | 2Fauna faunal unit (late Villafranchian) | | 1.4 | 1.1 | Pleistocene | Esu, D., Giannola, D. 2009. The malacological record from the Plio-Pleistocene Leffe Basin (Bergamo, Northern Italy). Quaternary International, 204, 11-19. |
| 2729 | Leffe (Re Stream section-lower part, "Re Basso") | Leffe | Italy | | 45.809236 | 9.878736 | 2Fauna faunal unit (late Villafranchian) | | 1.4 | 1.1 | Pleistocene | Esu, D., Giannola, D. 2009. The malacological record from the Plio-Pleistocene Leffe Basin (Bergamo, Northern Italy). Quaternary International, 204, 11-19. |
| 2720 | Leffe (Re Stream section-upper part) | Leffe | Italy | | 45.809759 | 9.879728 | 2Fauna faunal unit (late Villafranchian) | | 1.4 | 1.1 | Pleistocene | Esu, D., Giannola, D. 2009. The malacological record from the Plio-Pleistocene Leffe Basin (Bergamo, Northern Italy). Quaternary International, 204, 11-19. |
| 1228 | Leffe (undifferentiated) | Leffe | Italy | | 45.799366 | 9.885449 | 2.1-4.1 Ma | | 1.4 | 1.1 | Pleistocene | Esu, D., Giannola, D. 2009. The malacological record from the Middle Pleistocene Piâncio-Sellere basin (Bergamo, Northern Italy). Quaternary International, 204, 3-10. doi: 10.1016/j.quaint.2009.02.012 |
| 3108 | Leinstetten (C12, Leinstetten-Glat valley in Geyer, 1915, p.71) | Leinstetten | Germany | Dorhan | 48.390293 | 8.546903 | 3Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. Jahrestheft des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 5828 | Lepe (Stone) | Lepe | United Kingdom | | 50.783704 | -1.352295 | 2Ipwichian | | 0.125 | 0.115 | Pleistocene | West, R.G., Sparks, B.W. 1960. Coastal Interglacial deposits of the English Channel. Philosophical transactions of the Royal Society of London B, 243, 95-133. doi:10.1098/rstb.1960.0003. |
| 5890 | Lerdala (cores from Igelsjön lake, 12 unit) | Lerdala | Sweden | | 58.470532 | 13.708211 | 2.0004-0 Ma | | 0.004 | 0 | Holocene | Holocene records of lacustrine molluscs from Lake Igelsjön, southern Sweden. Quaternary Science Reviews, 22, 35. |
| 4633 | Lersö (not in 7 in van Regteren Altena, 1957) | Lersö | Denmark | Lersö | 55.701619 | 12.566702 | 3Postglacial | | 0.01 | 0.003 | Holocene | van Regteren Altena, C.O. 1957. Pleistocene Mollusca. In: Excavation at Velsen. Verhandlungen der Koninklijk Nederlandse Geologisch-Mijnbouwkundig Genootschap, Geologische Serie, 17, 121-138. |
| 1241 | Lesbos Island | Greece | | | 39.262031 | 26.281815 | 4IMN 17 | | 2.5 | 1.8 | Pleistocene | Lytas, A.F. 2006. The Late Pleistocene vertebrate fauna of Vatera (Lesvos Island, Greece). Cranium, 24 (2), 11-24. |
| 3943 | Lesna Niwa (boreholes 28/22, 30/22, 32/22, 32/23) | Lesna Niwa | Poland | | 51.238084 | 19.171018 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Makowska, A. 1971. Fauna mięczaków w ośadach interglacjalnych Lesnej Niwy i Zubrzecia. Biuletyn Państwowego Instytutu Geologicznego, 254 (13), 89-110. |
| 153 | Lessard-en-Bresse | Lessard-en-Bresse | France | | 46.740331 | 5.093608 | 2early Calabrian | | 1.806 | 1.3 | Pleistocene | Schlüchtm, W.R., Püssiger, J.J. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundicus und Pyrgula nodotiana von Montagny-les-Bonne (Dépt. Côte-d'Or). Archiv für Molluskenskunde, 109 (13), 1-26. |
| 4829 | Leszczyno (Leszczyno boreholes) | Leszczyno | Poland | | 58.642793 | 19.821954 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Horwitz, K.A., Skompski, S. 2006. Osady jeziorne interglacjalnego jeziora w Leszczynie - Wysoceczna Płocka. Przegląd Geologiczny, 54 (7), 632-638. |
| 5250 | Levki | Levki | Belarus | Lievki | 54.350776 | 30.343692 | 2Holocene | | 0.0117 | 0 | Holocene | Sankov, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5364 | Lubice (site H in table 10 in Łożek, 1964) | Lubice | Czech Republic | | 50.313212 | 14.590403 | 2late Würm | | 0.025 | 0.0117 | Pleistocene | Łożek, V. 1964. Quartermarne mollusks of the Czechoslovakian Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 5522 | Libochovice (Chlumčany, KS-14) | Libochovice | Czech Republic | | 50.334407 | 13.855125 | 2middle Pleistocene | | 0.781 | 0.136 | Pleistocene | Kovanda, J., Horáček, L., Symonová, R. 2005. Pátek, Levousy a Chlumčany-významné fosilními středopleistocenní lokality na pravém břehu Ohře. |
| 5527 | Libochovice (Levoča, KS-9) | Libochovice | Czech Republic | | 50.385659 | 13.978172 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kovanda, J., Horáček, L., Symonová, R. 2005. Pátek, Levousy a Chlumčany-významné fosilními středopleistocenní lokality na pravém břehu Ohře. |
| 5525 | Libochovice (Pátek, KS-10) | Libochovice | Czech Republic | | 50.375338 | 13.922762 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kovanda, J., Horáček, L., Symonová, R. 2005. Pátek, Levousy a Chlumčany-významné fosilními středopleistocenní lokality na pravém břehu Ohře. |
| 5526 | Libochovice (Pátek, KS-18) | Libochovice | Czech Republic | | 50.366245 | 13.924161 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kovanda, J., Horáček, L., Symonová, R. 2005. Pátek, Levousy a Chlumčany-významné fosilními středopleistocenní lokality na pravém břehu Ohře. |
| 4834 | Licze (Licze borehole) | Licze | Poland | | 53.736348 | 19.06848 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Makowska, A. 2001. Palaeogeografia rejonu Prabuty-Susz (dolne Powieli) przed, w czasie i po transgresji morsa Tychnowskiego oraz zawartość malakologiczna osadów. Biuletyn Państwowego Instytutu Geologicznego, 398, 25-68. |
| 3923 | Limanowa (Limanowa-Sowliny, locality 9 in Alexandrowicz, 1988) | Limanowa | Poland | | 49.711582 | 20.415718 | 2.0.0303 Ma | | 0.0303 | 0.0303 | Pleistocene | Alexandrowicz, S.W. 1988a. Malacofauna of Late Quaternary loess-like deposits in the Polish Carpathians. Acta Geologica Polonica, 38, 85-106. |
| 3777 | Limanskoje (Quaternary) | Limanskoje | Ukraine | Lymanske; Fricateci; Frekateci; Frekatesey; Fricatsey; | 45.43452 | 28.841215 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Jassy, 36 (1), 177-422. |
| 4398 | Limerick (Rathard, 2.5 miles SE of Limerick) | Limerick | Ireland | | 52.627345 | -8.601173 | 2post-Pliocene | | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pliocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80019-5 |
| 1248 | Limite | Limite | Italy | Limite near Empoli (Firenze) | 43.744251 | 10.979669 | 2late Villafranchian | | 2 | 1.1 | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der Österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4169 | Linz (Weingartshof, station 161 and Grabmersstraße, station 90 in Frank, 2006) | Linz | Austria | | 48.255 | 14.25 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Kovanda, J., Horáček, M., Kovanda, M. 2007a. Mollusks oholové klasidy pěnových, slinných a alných v Liptovské Lužnej v Nízkých Tatrách. Zprávy o geologických výzkumech a výrobkách 2006. Mollusks of geological shales, 39-73. |
| 4772 | Liptovská Lužňa (tufa-, marl- and aln-dominated slope cascade, MF1-5) | Liptovská Lužňa | Slovakia (Slovak Republic) | | 48.968326 | 19.331826 | 2Holocene | | 0.0117 | 0 | Holocene | Raschitsch, A., Reischlitz, P.L., Fischer, W. 2009. Hellenki pionta. 25. Eine subrezente Molluskenfauna aus dem Lysimachia-See (Altioskeles/Akkaranian, Griechenland). Nachrichtenblatt der Ersten Vorarbeiter Malaökologischen Gesellschaft, 16, 39-41. |
| 4908 | Lismoschia (excavated canal) | Lismoschia | Greece | Lysimachia | 38.574473 | 21.344667 | 3Subrecent | | 0.0117 | 0 | Holocene | Raschitsch, A., Reischlitz, P.L., Fischer, W. 2009. Hellenki pionta. 25. Eine subrezente Molluskenfauna aus dem Lysimachia-See (Altioskeles/Akkaranian, Griechenland). Nachrichtenblatt der Ersten Vorarbeiter Malaökologischen Gesellschaft, 16, 39-41. |
| 5729 | L'Isle-sur-la-Sorgue | L'Isle-sur-la-Sorgue | France | | 43.91345 | 5.057151 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | FreshGEN team decision |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference | |
|------|--|------------------------|--------------------|---|-----------|-----------|------------------------------|-------------------------------------|---------------------|---------------------|-------------|---|--|
| 5687 | Little Chesterford (Bordeaux Pt) | Little Chesterford | United Kingdom | | 52.049991 | 0.204992 | Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Sparks, B.W. 1955. Notes on four Quaternary deposits in the Cambridge region. <i>Journal of Conchology</i> , 24, 47-53. | |
| 4552 | Little Oakley (LOA complex, Borehole LOA and LOO in Greece, 1990a) | Little Oakley | United Kingdom | | 51.915652 | 1.223196 | Cromerian | Interglacial II | 0.72 | 0.68 | Pleistocene | Prosser, R.C. 2001. Molluscan evidence for differentiation of interglacials within the 'Cromerian Complex'. <i>Quaternary Science Reviews</i> , 20, 1643-1656. | |
| 4420 | Littleport | Littleport | United Kingdom | | 52.455669 | 0.294606 | 2 | Holocene | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. <i>Proceedings of the Geologists' Association</i> , 33 (2), 104-142. DOI: 10.1016/S0016-878X(22)80002-X | |
| 5297 | Litvinovichi | Litvinovichi | Belarus | Litvinovici | 53.189899 | 30.863354 | | 2 | Holocene | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 1255 | Livanates | Livanates | Greece | Livonates near Talantí (Phthiotis-Phokis) | 38.711534 | 23.050296 | 2 | Chaudian | 0.7 | 0.4 | Pleistocene | Plénet, J., Keraudren, J. 1979. Étude paléontologique du pôle-péistocene de Locride et d'Eubée occidentale (Grèce centrale): Malacologie et palynologie. <i>Annales Géologiques des Pays Helléniques</i> , 29 (2), 554-580. | |
| 2796 | Livanates (N of the road, about 2 km W of Livanates) | Livanates | Greece | | 38.712302 | 23.052982 | 2 | Tébaudien | 0.7 | 0.4 | Pleistocene | Gillet, S., Savage, J., Keraudren, J. 1979. Étude paléontologique du pôle-péistocene de Locride et d'Eubée occidentale (Grèce centrale): Malacologie et palynologie. <i>Annales Géologiques des Pays Helléniques</i> , 29 (2), 554-580. | |
| 2699 | Livorno (Corea formation, Unit 3) | Livorno | Italy | Terrazzo di Livorno | 43.564016 | 10.327446 | MS6 & transition | 2 to MIS5 | 0.195 | 0.1152 | Pleistocene | Zanchetta, G., et al. 2006. Late Middle Pleistocene cool non-marine mollusc and mammal fauna from Livorno (Italy). <i>Rivista Italiana di Paleontologia e Stratigrafia</i> , 112 (1), 135-155. | |
| 3320 | Llangorse (cores I and II on island. Dark Age crannog) | Llangorse | United Kingdom | | 51.933746 | -3.268454 | | 2 | 0.01-0.0079 Ma | 0.01 | 0.0079 | Holocene | Walker, M.J.C., Griffiths, H.I., Ringwood, V., Evans, J.G. 1993. An early-Holocene pollen, mollusc and ostracod sequence from lake marl at Llangorse Lake, South Wales, UK. <i>The Holocene</i> , 3, 138-149. DOI: 10.1177/09596769300300203 |
| 5080 | Llúria | Llúria | Spain | Llúria | 39.62927 | -0.593238 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Madurga Marco, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. | |
| 3785 | Lobez (Rega valley, profile Lo-16) | Lobez | Poland | | 53.6425 | 15.571274 | 2 | Older Dryas to Younger Dryas | 0.0132 | 0.0115 | Pleistocene | Cedro, B. 2007. Evolution of the river Rega Valley near Lobez in Late Pleistocene and Early Holocene. <i>Geochronometria</i> , 28, 55-59. | |
| 5860 | Lobsigen | Lobsigen | Switzerland | | 47.030315 | 7.297842 | 2 | Older Dryas to Younger Dryas | 0.016 | 0.0115 | Pleistocene | Chau, L. 1983. Mollusca from the Late Glacial deposits of Lobsigensee (Swiss Plateau). Studies in the late Quaternary of Lobsigensee 5. <i>Revue de Paléobiologie</i> , 2 (2), 211-216. | |
| 5023 | Lom (Lom river, not horizontated Pleistocene, 17 in Petrbok, 1940a) | Lom | Bulgaria | | 43.833672 | 23.252225 | Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Petrbok, J. 1940a. The Molluscs of the Bulgarian Quaternary. <i>Spisanie na Balgarsko Geologichesko Druzhestvo</i> , 11, 133-144. | |
| 5877 | London (Clayford gravel - Lower Bricketts and Corbould bed- in July, 2011) | London | United Kingdom | | 51.464234 | 0.178812 | 2 | MIS7 | 0.251 | 0.195 | Pleistocene | Juby, C. 2011. London before London: Reconstructing a Palaeolithic Landscape. PhD thesis, University of London. | |
| 5878 | London (Isleworth, Willmett's Pit, samples A and B) | London | United Kingdom | | 51.459001 | -0.337947 | 2 | middle Devensian | 0.06 | 0.03 | Pleistocene | Kerny, M., Gibbons, P., Hall, A.R., Robinson, J.E. 1982. Middle Devensian river deposits beneath the 'Upper Floodplain' terrace of the River Thames, Isleworth, Middlesex. <i>Proceedings of the Geologists' Association</i> , 93 (3), 385-393. DOI: 10.1016/0959676930030205 | |
| 5879 | London (lands above the head gravel in the excavation south of Charnwood Street in July, 2011) | London | United Kingdom | | 51.562483 | 0.0660334 | 2 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Juby, C. 2011. London before London: Reconstructing a Palaeolithic Landscape. PhD thesis, University of London. | |
| 5878 | London (Shackwell): W of Hackney Downs, dark-grey sandy clay deposit in July, 2011) | London | United Kingdom | | 51.552681 | -0.077265 | 2 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Juby, C. 2011. London before London: Reconstructing a Palaeolithic Landscape. PhD thesis, University of London. | |
| 5828 | London (Trafalgar Square, zone f) | London | United Kingdom | | 51.508016 | -0.12806 | 2 | Last Interglacial | 0.127 | 0.118 | Pleistocene | Sparks, B.W. 1964. The distribution of Non-Marine Mollusca in the Last Interglacial in south-east England. <i>Proceedings of the Malacological Society of London</i> , 36 (1), 7-25. | |
| 5846 | Longvic (Longvic-les-Dijon) | Longvic | France | | 47.285174 | 5.061098 | | Kessel-Arcy | 0.033 | 0.027 | Pleistocene | Puiseux, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. | |
| 5166 | Lopatinino | Lopatinino | Belarus | Lopatin | 53.908411 | 31.581767 | 2 | Holocene | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 2706 | Lower Väddarna (Campani Quarry, upper San Romano Unit) | Lower Valdarno | Italy | | 43.583333 | 10.533333 | 1 | MIS11 | 0.42 | 0.38 | Pleistocene | Marcolini, F., Bigazzi, G., Baldassari, F.P., Centamore, E., Cioni, R., Zanchetta, G. 2003. Tephrochronology and tephrostratigraphy of two Quaternary continental fossiliferous successions from central Italy. <i>Journal of Quaternary Science</i> , 18 (6), 545-556. | |
| 4810 | Lowicz (borng s 37 and 39 in Klajnert and Piechocki, 1972) | Lowicz | Poland | | 52.046777 | 19.844652 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Klajnert, Z., Piechocki, A., 1972. Górnopoliskie osady doliny Bobrówki kolo Lowicza i ich zawartość malakologiczna. <i>Folia Quaternaria</i> , 40, 1-36. | |
| 3916 | Lublin (Opole) | Lublin | Poland | | 51.683535 | 23.224918 | 2 | Mazovian I | 0.41 | 0.38 | Pleistocene | Skłapski, S. 1989a. Molluscs and ostracoda fauna of selected sites of the Mazovian Interglacial in Poland. <i>Kwartalnik Geologiczny</i> , 33 (3/4), 495-524. | |
| 4829 | Ladomirowo (profil 12, 12a and 14 in Bitner, 1957) | Ladomirowo | Poland | | 53.551069 | 23.520583 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Poloniae</i> , 80, 69-87. | |
| 2894 | Ludwigshafen (Maudach A-36 in Wedel, 2008) | Ludwigshafen | Germany | | 49.448839 | 8.371594 | | Comerian Complex | | | Pleistocene | Wedel, J. 2008. Pleistocene molluscs from research boreholes in the Heidelberg Basin. <i>Eiszeitalter und Gegenwart Quaternary Science Journal</i> , 57 (3/4), 382-402. | |
| 2890 | Ludwigshafen-Parkinsel (borehole P34 in Wedel, 2008) | Ludwigshafen-Parkinsel | Germany | | 49.46608 | 8.457043 | 2 | Interglacial III to Interglacial IV | 0.592 | 0.472 | Pleistocene | Knipping, M., et al. 2004. Pollenanalytische Untersuchungen an einem mittelpaläozänen Interglazial bei Mannheim. <i>Tübinger Geowissenschaftliche Arbeiten</i> , D 10, 199-217. | |
| 2891 | Ludwigshafen-Parkinsel (borehole P35 and P35a in Wedel, 2008) | Ludwigshafen-Parkinsel | Germany | | 49.466985 | 8.458944 | 2 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | FreshGEN team decision | |
| 3566 | Linen (Seseke, A2 in Steusloff, 1938) | Linen | Germany | Seeske | 51.610696 | 7.529713 | 2 | late Diluvial | 0.126 | 0.0117 | Pleistocene | Steusloff, U. 1938. Neue Beiträge zur Molluskenfauna und Ökologie periglazialer und altalluvialer Ablagerungen im Emscher-Lippe-Raume. <i>Archiv für Molluskunde</i> , 70 (4), 161-193. | |
| 4396 | Lismagh (Stream) | Lismagh | Ireland | Inches | 53.151828 | -8.006406 | 2 | post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(17)80009-5 | |
| 5176 | Maastricht (Belvédère pit, Unit 4) | Maastricht | Netherlands | | 50.870971 | 5.679881 | 2 | post-Holocene to pre-Eemian | 0.38 | 0.125 | Pleistocene | Meijer, T. 1985. Die wechselweise non-marine molluscan fauna from Maastricht-Belvédère (southern Limburg, The Netherlands). <i>Mededelingen Rijks Geologische Dienst</i> , 39 (1), 75-103. | |
| 1270 | Magliano Sabina | Magliano Sabina | Italy | | 42.361271 | 12.482393 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malaco-fauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. | |
| 137 | Magoula | Magoula | Greece | Magula | 37.727959 | 21.536762 | 2 | Gelasian | 2.588 | 1.806 | Pleistocene | Hagmann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. <i>Annales Géologiques des Pays Helléniques</i> , 28, 299-333. | |
| 2625 | Maienrigg (Maienrigg near Klagenfurt, close to the lake Wörthersee, 3.75 to 5 meters depth) | Maienrigg | Austria | | 46.612778 | 14.235833 | 1 | Atlantic | 0.009 | 0.0067 | Holocene | Frank, C. 2006. Plio-paläozäne und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 4659 | Mainz (S of Weisenau, Cement factory) | Mainz | Germany | | 49.971513 | 8.264919 | 2 | early Diluvial | 1.806 | 0.781 | Pleistocene | Wirth, C. 1962. Diluviale Conchylienfauna aus Rheinhessen. <i>Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft</i> , 34, 122-130. | |
| 5231 | Makó (drilling) | Makó | Hungary | Máko | 46.221177 | 20.480175 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Bartfai, B. 1962. A makói és gyulai vízkultázóna fúrások palaeontológiai összehangolása. <i>A Magyar Állami Földtan Intézet Évi Jenője</i> , 1959, 271-295. | |
| 5324 | Málom (Bakkertorony 50) | Málom | Denmark | | 55.756465 | 12.326537 | 1 | middle Pleistocene | 0.781 | 0.126 | Pleistocene | Borsig, O., Lenke, W., Jensen, J.B. 1998. Fauna and flora in submarine early Holocene lake-marl deposits from the southwestern Baltic Sea. <i>The Holocene</i> , 8, 353-358. | |
| 5360 | Mály Ujzond (one E in table 10 in Lózák, 1964) | Mály Ujzond | Czech Republic | | 50.332467 | 14.525933 | 2 | early Holocene | 0.0117 | 0.0078 | Holocene | Lózák, V. 1964. Quantitatív molluszos leletek Csehországban. <i>Geologického Časopisu</i> , 31, 1-374. | |
| 5361 | Mály Ujzond (site F in table 10 in Lózák, 1964) | Mály Ujzond | Czech Republic | | 50.332467 | 14.525933 | 2 | Holocene | 0.0117 | 0 | Holocene | Lózák, V. 1964. Quantitatív molluszos leletek Csehországban. <i>Geologického Časopisu</i> , 31, 1-374. | |
| 5096 | Mandalona | Mandalona | Spain | | 40.957143 | -2.751268 | 2 | Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Madurga Marco, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad de Historia Natural</i> , 71, 43-166. | |
| 2892 | Mannheim-Lindenholz (Oberer Zwischenhorizont boreholes in Röhle, 2005) | Mannheim-Lindenholz | Germany | | 49.457698 | 8.458198 | 2 | Interglacial III to Interglacial IV | 0.592 | 0.472 | Pleistocene | Rähde, W. 2005. Eine mitteleuropäische Molluskenfauna aus dem Oberen Zwischenhorizont des nördlichen Oberreinbergalns (Bohrung Mannheim-Lindenholz). <i>Mineraria Geowissenschaftliche Mitteilungen</i> , 33, 9-20. | |
| 4159 | Mannswörth (station 95 in Frank, 2006) | Mannswörth | Austria | | 48.129167 | 16.521944 | 1 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Frank, C. 2006. Bio-hipnotizante und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 1291 | Marboz | Marboz | France | | 46.343337 | 5.25978 | 2 | MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision | |
| 1294 | Marcellina (Fosso di Casale Rosso) | Marcellina | Italy | | 42.022199 | 12.783959 | 2 | Villafranchian | 3.5 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malaco-fauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. | |
| 1295 | Marcellina (Fosso di Castello) | Marcellina | Italy | | 42.006831 | 12.781706 | 2 | Villafranchian | 3.5 | 1.1 | Pleistocene | Wenz, W. 1923-1930. <i>Fossilien Catalogus I. Animalia. Gastroptera straminaria tertaria</i> . W. Junk, Berlin. | |
| 1296 | Marcellina-Palombura (train station) | Marcellina-Palombura | Italy | | 42.000166 | 12.791212 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malaco-fauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. | |
| 1297 | Marciano della Chiana | Marciano della Chiana | Italy | | 43.30494 | 11.78644 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Edu, D., Girotti, O. 1975. La malaco-fauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. | |
| 5840 | Marcilly-sur-Tille (at the proximity of the train station, level 7) | Marcilly-sur-Tille | France | | 47.528094 | 5.155803 | 2 | Younger Dryas | 0.0129 | 0.0115 | Pleistocene | Puiseux, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. | |
| 5839 | Marcilly-sur-Tille (at the proximity of the train station, levels 1 to 6) | Marcilly-sur-Tille | France | | 47.524894 | 5.155803 | 2 | Subboreal | 0.0056 | 0 | Holocene | Puiseux, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. | |
| 3689 | Margaritovka | Margaritovka | Russian Federation | | 47.39444 | 39.11028 | 2 | Black Sea | 1.62 | 0.7 | Pleistocene | Grožik, P.F., Datsenko, L.N. 2007. Presnovodye Mollusky pozdnego kainozoya yuga Bostochnoy Veyvor. <i>Chas' II. Natsional'naya Akademya Nauk Ukrayiny, Institut Geologicheskikh Nauk</i> , Kiev, Kav. | |
| 3079 | Markt Rettenbach (Griesmühle 5km S Markt Rettenbach, no 29 in Dehm, 1967) | Markt Rettenbach | Germany | Griesthal | 47.901973 | 10.395609 | 2 | Postglacial | 0 | 0.003 | Holocene | Dohm, R. 1967. Die Landschaftsdecke Isodus ruderatus im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 1, 135-155. | |
| 3080 | Marktoberdorf (Kollmannshof 10 km ESE Marktoberdorf, no 30 in Dehm, 1967) | Marktoberdorf | Germany | | 47.736264 | 10.737572 | 2 | Postglacial | 0 | 0.003 | Holocene | Dohm, R. 1967. Die Landschaftsdecke Isodus ruderatus im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 1, 135-155. | |
| 3081 | Marktoberdorf (Rieder 4 km SE Marktoberdorf, no 33 in Dehm, 1967) | Marktoberdorf | Germany | | 47.7505 | 10.649091 | 2 | Postglacial | 0 | 0.003 | Holocene | Carara, C., Edu, D., Ferrell, L. 1998. Lo sbarcamento di trivertini delle Marmore (bacino di Rieti, Italia Centrale): aspetti geomorfologici, faunistici ed ambientali. <i>Il Quaternario</i> , 8 (1), 111-118. | |
| 3799 | Marmore (trivertine barrier) | Marmore | Italy | | 42.545919 | 12.710599 | 1 | 0.005-0.025 Ma | 0.005 | 0.0025 | Holocene | | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|----------------------------|----------------------|-----------|-----------|------------------------------|--------------------|---------------------|---------------------|-------------|---|
| 5730 | Marseille (Aygades) | Marseille | France | | 43.362602 | 5.367417 | Quaternary (old boundaries) | 1,806 | 0 | | Pleistocene | Berner, L. 1943. Les mollusques fossiles des Tufs Quaternaires aux Aygades. Bulletin mensuel de la Société Linnéenne de Lyon, 12 (4), 55-59. |
| 5731 | Marseille (Meyrargues) | Marseille | France | | 43.635681 | 5.528172 | 3 Sicilian | 1,22 | 0.781 | | Pleistocene | Berner, L. 1943. Les mollusques fossiles des Tufs Quaternaires aux Aygades. Bulletin mensuel de la Société Linnéenne de Lyon, 12 (4), 55-59. |
| 5351 | Martin (site C in table 9 in Ložek, 1964, fluvial deposits) | Martin | Slovakia (Slovak Republic) | | 49.067922 | 18.913468 | 2 Riss | 0.38 | 0.125 | | Pleistocene | Ložek, V. 1964. Quartármollusken der Tschechoslowakei. Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 1311 | Massa Marittima | Massa Marittima | Italy | | 43.050701 | 10.890355 | 2 early Pleistocene | 2,588 | 0.781 | | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria teraria. W. Junk, Berlin. |
| 3230 | Massa Martana (Abbazia San Pietro in Monte) | Massa Martana | Italy | | 42.77392 | 12.525651 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Eau, D., Girault, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 2371 | Massa Martana (Villa San Faustino) | Massa Martana | Italy | | 42.733428 | 12.531148 | 2 late Villafranchian | 2 | 1.1 | | Pleistocene | Petrucci, C., Argenti, P., Calvi, C., Eau, D., Girault, O., Sardella, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Latium (Central Italy). Geologica Romana, 36, 369-387. |
| 2975 | Mauer (Mauer an der Donau) | Mauer | Germany | | 49.341523 | 8.799413 | 3 early Diluvial | 1,806 | 0.781 | | Pleistocene | Wirth, E. 1902. Diluviale Conchylienfauna aus Rheinhessen. Nachrichten der Deutschen Malakologischen Gesellschaft, 34, 122-130. |
| 4139 | Mautern an der Donau (Mautern a. d. Donau/Favianis, Auxiliarkastell, stations 96-98 in Frank, 2006) | Donau | Austria | | 48.383333 | 15.566667 | 2 0.0019 Ma | 0.0019 | 0.0019 | | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4439 | Mears Ashby | Mears Ashby | United Kingdom | | 52.289304 | -0.77257 | 2 Holocene | 0.0117 | 0 | | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X |
| 4599 | Meaux (Isles-les-Villenoy) | Meaux | France | | 48.911314 | 2.835415 | 2 early Cromerian | 0.86 | 0.73 | | Pleistocene | Meijer, T., Preec, R.C. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Holocene. Plenum Press, New York. |
| 4006 | Megalopolis (lignite mining field of Choremi-Thoknia) | Megalopolis | Greece | | 37.993434 | 22.089199 | 2 Weichselian | 0.41 | 0.0117 | | Pleistocene | Schöner, V., Velizziou, E., Kouras, G. 1985. Die Quartärmollusken von Megalopolis (Griechenland) [Quaternary molluscs from Megalopolis (Greece)]. Neue Jahrbücher für Geologie und Paläontologie, Abhandlungen, 170 (2), 185-204. |
| 3460 | Meinier (Chambéry, level I, page 364 in Favre, 1927) | Meinier | Switzerland | | 46.237984 | 6.239692 | 2 to Boreal | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3461 | Meinier (in front of Belote, station 35e in Favre, 1927) | Meinier | Switzerland | | 46.235166 | 6.191669 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3498 | Meinier (in front of the Pointe à la Bise near Vésenaz, station 35f in Favre, 1927) | Meinier | Switzerland | | 46.239573 | 6.196868 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3494 | Meinier (in front of the Pointe à la Bise, station 35a in Favre, 1927) | Meinier | Switzerland | | 46.244483 | 6.192215 | 2 Postglacial | 0.01 | 0.003 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3469 | Meinier (Marais de la Pallartière, station 18, level II, in Favre, 1927) | Meinier | Switzerland | | 46.248334 | 6.218468 | 2 Subatlantic | 0.008 | 0 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3465 | Meinier (Marais de la Touvrière, level Ia, station 16c in Favre, 1927) | Meinier | Switzerland | | 46.234273 | 6.233732 | 2 Atlantic | 0.008 | 0.0056 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3466 | Meinier (Marais de la Touvrière, levels I and Ic, station 16a,b in Favre, 1927) | Meinier | Switzerland | | 46.233677 | 6.236007 | 2 to Boreal | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3472 | Meinier (Marais de Place or Landion near Choulex, station 20, level I, in Favre, 1927) | Meinier | Switzerland | | 46.224579 | 6.223638 | 2 Postglacial | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3473 | Meinier (Marais de Place or Landion near Choulex, station 20, level II, in Favre, 1927) | Meinier | Switzerland | | 46.225479 | 6.223638 | 2 Subatlantic | 0.008 | 0 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3467 | Meinier (Marais des Champs de Luché E of Corsier, station 21, level I, in Favre, 1927) | Meinier | Switzerland | | 46.241034 | 6.221257 | 2 to Boreal | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3468 | Meinier (Marais de Roulebeau, station 17, level IIIa, in Favre, 1927) | Meinier | Switzerland | | 46.241034 | 6.221257 | 2 Atlantic | 0.008 | 0.0056 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3475 | Meinier (Marais de Saunvigne E of Corsier, station 22, level II, in Favre, 1927) | Meinier | Switzerland | | 46.261842 | 6.227204 | 2 Atlantic to Subatlantic | 0.008 | 0 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3463 | Meinier (Marais de Sionnet, levels I and II, station 15 in Favre, 1927) | Meinier | Switzerland | | 46.231435 | 6.236744 | 2 to Subarctic | 0.01 | 0 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3474 | Meinier (Marais des Champs de Luché E of Corsier, station 21, level I, in Favre, 1927) | Meinier | Switzerland | | 46.261766 | 6.222647 | 2 to Boreal | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3470 | Meinier (Marais des Tates Baudzor near Vesnaz, station 19, level I, in Favre, 1927) | Meinier | Switzerland | | 46.237314 | 6.201289 | 2 to Boreal | 0.01 | 0.008 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3471 | Meinier (Marais des Tates Baudzor near Vesnaz, station 19, level II, in Favre, 1927) | Meinier | Switzerland | | 46.237314 | 6.201289 | 2 Subatlantic | 0.008 | 0 | | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-174. |
| 3891 | Mělník (Vrátny), site B in table 2 in Ložek, (2001) | Mělník | Czech Republic | | 50.317388 | 14.363937 | 2 Weichselian | 0.115 | 0.0117 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. Non-marine Mollusca from the loess series of Bohemia and Moravia. Quaternary International, 76/77, 141-156. |
| 4401 | Mentrin (Lough Mentrin) | Mentrin | Ireland | | 53.8382 | -6.613939 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Molluska von Irland. Proceedings of the Geologists' Association, 28 (3), 109-120. DOI: 10.1016/S0016-7878(17)80019-5 |
| 4072 | Mercure (MESI-2, CIC 3, Sorgente Mercure section) | Mercure | Italy | | 39.982283 | 16.01337 | 2 middle Pleistocene | 0.781 | 0.126 | | Pleistocene | Vuolo, L. et al. 2011. Variation in shell morphology in the fossil freshwater gastropod <i>Taniovia subrotata</i> (SETTEPASSI 1965) from the Mercur Basin (Middle Pleistocene, southern Italy): Distinct taxon or ecophenotypic variation? Arch. Moll., 140, 19-28. |
| 152 | Mercurey | Mercurey | France | | 46.833539 | 4.721668 | 2 Galbian | 2,588 | 1.806 | | Pleistocene | Schükum, W.R., Püssiguer, J.-J. 1978. Die Molluskenfauna der Schichten mit <i>Viviparus burgundicus</i> und <i>Pyrgula nodotiana</i> vom Montagny-les-Basme (Dép. Côte-d'Or). Archiv für Molluskenskunde, 109 (1), 1-26. |
| 2316 | Merdivenliyayla (site 10 in De Ridder, 1965) | Merdivenliyayla | Turkey | | 37.73339 | 33.150473 | 2 late Pliocene | 0.126 | 0.0117 | | Pleistocene | De Ridder, N.A. 1965. Sediments of the Konya Basin, Central Anatolia, Turkey. Palaeogeography, Palaeoclimatology, Palaeoecology, 1, 225-254. |
| 4010 | Merkinė (Netesis outcrop) | Merkinė | Lithuania | | 54.195388 | 24.089598 | 2 Interglacial | 0.1359 | 0.1032 | | Pleistocene | Graigius, A., Pedrowicz, S., Melkysait, S. 2005. TL dates of aquatic sandy sediments of Middle-Upper Pleistocene in Lithuania. Geologia, 51, 39-49. |
| 5343 | Milanovce (Hlubočka cesta, site D in table 5 in Ložek, 1964) | Milanovce | Slovakia (Slovak Republic) | | 48.17826 | 18.149339 | 2 Riss | 0.38 | 0.125 | | Pleistocene | Ložek, V. 1964. Quartármollusken der Tschechoslowakei. Rozpravy Ustředního Ústavu Geologického, 31, 1-374. |
| 5722 | Mindszent (Koszorú-halom) | Mindszent | Hungary | | 46.527405 | 20.254455 | 3 0.018-0.016 Ma | 0.018 | 0.016 | | Pleistocene | Domokos, T., Krolop, E. 1997. A Mindszent melletti Koszorúhalom és Szőlő-part negyedikszázáki körözödményei és Mollusca-faunájuk. Folia Historico-Naturalia Musei Matraensis, 23, 35-41. |
| 5722 | Mindszent (Szőlő-part) | Mindszent | Hungary | | 46.527405 | 20.254455 | 3 Holocene | 0.0117 | 0 | | Holocene | Sánky, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5300 | Minsk (Deadly Reservoir) | Minsk | Belarus | | 53.958563 | 27.449996 | 2 Holocene | 0.0117 | 0 | | Holocene | Sánky, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4015 | Minsk (Petrovchitsina, Undreground line) | Minsk | Belarus | Piatrouchhyna | 53.864276 | 27.484981 | 2 Interglacial | 0.125 | 0.115 | | Pleistocene | Sánky, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5291 | Minsk (Volčí Khvest) | Minsk | Belarus | Volčí Chvost | 53.765101 | 27.516464 | 3 to Holocene | 0.115 | 0 | | Pleistocene | Alexandrovic, S.W. 1983. Mollusca of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 3938 | Mirów (Mr-valley of Regulice stream) | Mirów | Poland | | 50.028875 | 19.57686 | 2 early Pliocene | 2,008.0-2,004.0 Ma | 0.0083 | 0.0042 | Holocene | Jaskó, S., Krölopp, E. 1991. Negyedikszázáki körözömgések és folyóvíz üledékfélhalmozódás a Duna-völgyben Pál és Mótidás között. Magyar Természettudományi Értesítő, 1989-ol, 65-84. |
| 5710 | Miske (borehole 95) | Miske | Hungary | | 46.443466 | 19.031572 | 2 (old boundaries) | 1.806 | 0.781 | | Pleistocene | Álhalmi Földtan Intézet Évkönyve 1989-ol, 68-78. |
| 3921 | Mizerna (locality 1 in Alexandrowicz, 1988) | Mizerna | Poland | | 49.45817 | 20.29074 | 2 0.028 Ma | 0.028 | 0.028 | | Pleistocene | Alexandrowicz, S.W. 1988a. Mollac fauna of Late Quaternary loess-like deposits in the Polish Carpathians. Acta Geologica Polonica, 38, 85-106. |
| 3124 | Mochenwangen (NE of Sulzbach, Bamberg) | Mochenwangen | Germany | | 47.882359 | 9.646574 | 2 Diluvial | 1.806 | 0.0117 | | Pleistocene | Wagner, E. 1911. Ueber die Ausbildung des Diluviums in den nördlichen Bodenseelandschaft mit besonderer Berücksichtigung des Schussenreiches. Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg, 67, 289-329. |
| 1337 | Modena | Modena | Italy | | 44.646063 | 10.925703 | 3 early Pleistocene | 2,588 | 0.781 | | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleocene non-marine Mollusca of Ireland. Proceedings of the Geologists' Association, 28 (3), 109-120. DOI: 10.1016/S0016-7878(17)80019-5 |
| 4362 | Moira (Maghaberry) | Moira | United Kingdom | | 54.504843 | -6.189572 | 2 post-Pliocene | 1.806 | 0 | | Pleistocene | Sánky, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5279 | Moisejevo | Moisejevo | Russian Federation | | 51.928226 | 42.362631 | older than Aktsidian | 0.781 | 0.41 | | Pleistocene | Sánky, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5833 | Molesme (steep wall of bank of river Laignes, 800 m NE of Molesme, levels 6-7-8) | Molesme | France | Molesmes | 47.942127 | 4.362281 | 2 Boreal to Atlantic | 0.009 | 0.0056 | | Holocene | Püssiguer, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 5832 | Molesme (steep wall of bank of river Laignes, 800 m NE of Molesme, levels 9-10-11-12) | Molesme | France | Molesmes | 47.942127 | 4.362281 | 2 Subboreal | 0.0056 | 0.0028 | | Holocene | Püssiguer, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 5833 | Molesme (steep wall of bank of river Laignes, 800 m NE of Molesme, levels 13-14-15) | Molesme | France | Molesmes | 47.942127 | 4.362281 | 2 Subatlantic | 0.0028 | 0 | | Holocene | Püssiguer, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 5834 | Molesme (steep wall of bank of river Laignes, 800 m NE of Molesme, levels 5-4-3-2-1) | Molesme | France | Molesmes | 47.942127 | 4.362281 | 2 Younger Dryas to Preboreal | 0.0129 | 0.009 | | Holocene | Püssiguer, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 3299 | Moncucco Torinese (Moncucco gypsum quarry, late Pleistocene) | Moncucco | Torinese | | 45.061093 | 7.939661 | 10.04 Ma | 0.04 | 0.04 | | Pleistocene | Eau, D., Girault, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A Survey. II Quaternary, 4 (1a), 137-150. |
| 4147 | Mondsee (Steinbach, station 144 in Frank, 2006) | Mondsee | Austria | | 47.866667 | 13.333333 | RiesWurm | 1.806 | 0.115 | | Pleistocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 1356 | Montagnana | Montagnana | Italy | Montagnana (Firenze) | 43.673211 | 11.104674 | 2 Villafranchian | 3.5 | 1.1 | | Pleistocene | Eau, D., Girault, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|---------------------|---|--------------------|-----------|-----------|------------------------------|-------------------|---------------------|---------------------|-------------|--|
| 155 | Montagny-les-Beaune | | France | | 46.989701 | 4.852061 | 2MN 17 | | 2.5 | 1.8 | Pleistocene | Eau, D. 1999. Contribution to the knowledge of Neogene climatic changes in western and central Europe by means of non-marine molluscs. 328-354. In: Agosti, J., et al. (eds) <i>Hominid Evolution and Climatic Changes in Europe</i> , 1. Cambridge Univ. Press. |
| 1358 | Montalbuccio | Italy | Montalbuccio near Siena | | 43.301321 | 11.330323 | 2Villafranchian | | 3.5 | 1.1 | Pleistocene | Eau, D.; Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 1359 | Montanaro | Italy | Colle del Montanaro | | 45.232349 | 7.854953 | 2early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramarina teraria. W. Junk, Berlin. |
| 5539 | Montclar (lac de Saint Léger, cores A and B) | France | | | 44.419443 | 6.334876 | 2 | 0.01-0.0071 Ma | 0.01 | 0.0071 | Holocene | Digerfeldt, G., et al. 1997. Reconstruction and paleoclimatic interpretation of Holocene lake-level changes in Lac de Saint-Léger, Haute-Provence, southeast France. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 136, 231-258. |
| 3250 | Monte Castello di Vibio | Italy | Montecastello (Todi) | | 42.84024 | 12.35156 | 2Villafranchian | | 3.5 | 1.1 | Pleistocene | Eau, D.; Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 4001 | Montecastrilli (Torre Picchio section) | Italy | | | 42.642443 | 12.481917 | 2Villafranchian | | 2.6 | 1.1 | Pleistocene | Girotti, O., et al. 2003. The section of Torre Picchio (Terni, Umbria, Central Italy). A Villafranchian site rich in vertebrates, molluscs, ostracods and plants. <i>Rivista Italiana di Paleontologia e Stratigrafia</i> , 109 (1), 77-98. |
| 1365 | Monticano | Italy | | | 43.139638 | 11.177716 | 2late Villafranchian | | 2 | 1.1 | Pleistocene | Eau, D.; Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 1366 | Montopoli di Sabina | Italy | Montopoli di Sabina | | 42.245071 | 12.692077 | 2middle Villafranchian | | 2.6 | 2 | Pleistocene | FreshGEN team decision |
| 4451 | Monzhukly | Turkmenistan | Monzhukly | | 39.28333 | 54.33333 | 2Bukumun | | 0.9 | 0.4 | Pleistocene | Nevezskaya, L.A. 1958. Chetvertichnye morskiye molyski Turkmenii. Trudy Paleontologicheskogo Instituta, 65, 1-82. |
| 3281 | Moosburg (1 km east of Niederhammel) | Germany | | | 48.433199 | 11.895141 | 2Riss/Würm | | 0.125 | 0.115 | Pleistocene | Nathan, H. 1953. Ein interglazialer Schotter südlich Moosburg in Oberbayern mit <i>Fagotia acicularis</i> FERUSSAC (Melanospesien). <i>Geologica Bavariae</i> , 19, 315-334. |
| 3279 | Moosburg (farm Weigl hinterm Holz, north gravel pit) | Germany | | | 48.404836 | 11.779411 | 3Interglacial | | 0.125 | 0.115 | Pleistocene | Nathan, H. 1953. Ein interglazialer Schotter südlich Moosburg in Oberbayern mit <i>Fagotia acicularis</i> FERUSSAC (Melanospesien). <i>Geologica Bavariae</i> , 19, 315-334. |
| 3277 | Moosburg (farm Weigl hinterm Holz, south gravel pit) | Germany | | | 48.405468 | 11.779352 | 3Interglacial | | 0.125 | 0.115 | Pleistocene | Nathan, H. 1953. Ein interglazialer Schotter südlich Moosburg in Oberbayern mit <i>Fagotia acicularis</i> FERUSSAC (Melanospesien). <i>Geologica Bavariae</i> , 19, 315-334. |
| 3223 | Moosburg (Niederhammel, II in Brunnacker and Brunnacker, 1962) | Germany | | | 48.434121 | 11.884822 | 2Mindel/Riss | | 0.41 | 0.38 | Pleistocene | Brunnacker, M., Brunnacker, K. 1962. Westere Funde pleistozäner Molluskenfaunen bei München. Eiszeitalter und Gegenwart, 13, 129-137. |
| 3274 | Moosburg (north end of Grünseiboldsdorf) | Germany | | | 48.446379 | 11.909331 | 2Riss/Würm | | 0.125 | 0.115 | Pleistocene | Nathan, H. 1953. Ein interglazialer Schotter südlich Moosburg in Oberbayern mit <i>Fagotia acicularis</i> FERUSSAC (Melanospesien). <i>Geologica Bavariae</i> , 19, 315-334. |
| 5566 | Morgadinho | Portugal | | | 37.096132 | -7.706815 | 2MN 17-20 | | 2.5 | 0.86 | Pleistocene | Almeida, M.F.; Men, P.; Nascimento, A.; Pais, J. 1986. Le gisement pleistocene de Morgadinho, en Algarve. <i>Ciências da Terra</i> , 8, 9-22. |
| 3486 | Morges (old Boiron della, station 32 in Favre, 1927) | Switzerland | Morges | | 46.49319 | 6.477509 | 2Magdalénien | | 0.018 | 0.011 | Pleistocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 17-434. |
| 3276 | Morro Reatino (Fosso Flandidi) | Italy | Morro Reatino | | 42.513361 | 12.843018 | 2late Villafranchian | | 2 | 1.1 | Pleistocene | Petrooni, C.; Argenti, P.; Caloi, C.; Eau, D.; Girotti, O.; Sardella, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Latium (Central Italy). <i>Geologica Romana</i> , 36, 369-387. |
| 3275 | Morro Reatino (Madonna della Torricella) | Italy | Morro Reatino | | 42.521523 | 12.83339 | 2late Villafranchian | | 2 | 1.1 | Pleistocene | Petrooni, C.; Argenti, P.; Caloi, C.; Eau, D.; Girotti, O.; Sardella, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Latium (Central Italy). <i>Geologica Romana</i> , 36, 369-387. |
| 4657 | Mosbach | Germany | | | 50.04949 | 8.23932 | 2early Dörlauf | | 1.806 | 0.781 | Pleistocene | Wittich, E. 1902. Dihügelische Conchylienfaunen aus Rheinhessen. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 34, 122-130. |
| 4613 | Mossby | Sweden | | | 55.422551 | 13.616463 | 2Subboreal | | 0.009 | 0.0028 | Holocene | Kurck, C. 1923. Fauna och floran i nära sydkalotka, här till obekräftade kultaffärer. <i>Arkiv för kemi, mineralogi och geologi</i> , 8 (15), 1-70. |
| 5770 | Mothen (Layer 5) | France | | | 48.945455 | 8.157629 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Geisser, F. 1962. Die Molluskenfauna der Diluvial-Terrasse von Mothen bei Lauterburg im Elsass. <i>Mitteilungen des Badischen Landesvereines für Naturkunde und Naturgeschichte</i> , V. Freiburg 1. Br., Neue Folge, 8 (2), 223-233. |
| 5772 | Mothen (South of Winzenbach) | France | Mothen | | 48.931852 | 8.1023 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Geisser, F. 1962. Die Molluskenfauna der Diluvial-Terrasse von Mothen bei Lauterburg im Elsass. <i>Mitteilungen des Badischen Landesvereines für Naturkunde und Naturgeschichte</i> , V. Freiburg 1. Br., Neue Folge, 8 (2), 223-233. |
| 5715 | Mőzs (boreholes 1 and 2) | Hungary | | | 46.411181 | 18.754444 | early Pleistocene | | 1.806 | 0.781 | Pleistocene | Jászkó, S.; Krolop, E. 1991. Nagyegyházi környezetgyógyászok és földvályi üledékfelfedezői időszaka Duna-völgyben Pak és Molnári között. Magyar Állami Földtani Intézet Évi Jelentése 1989-90, 65-84. |
| 5513 | Mragowo (Bezławki) | Poland | Mragowo | | 54.015209 | 21.272706 | 2Late Glacial to | | 0.0147 | 0 | Holocene | Alexandrowicz, W.P. 1913. Late Glacial and Holocene molluscan assemblages in deposits filling paleolakes in Northern Poland. <i>Studia Quaternaria</i> , 10 (1), 5-19. |
| 5667 | München (Geiseltal, in Mania, 1973) | Germany | | | 51.298896 | 11.807567 | 2Boreo- to | | 0.115 | 0.0128 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters in mittleren Elbe-Saalegebiet auf Grund von Mollusken-Gesellschaften. <i>Geologica</i> , 21 (78/79), 1-175. |
| 5674 | München (Geiseltal, tables 18 and 26 in Mania, 1973) | Germany | | | 51.298896 | 11.807567 | 2Subboreal | | 0.009 | 0.0028 | Holocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters in mittleren Elbe-Saalegebiet auf Grund von Mollusken-Gesellschaften. <i>Geologica</i> , 21 (78/79), 1-175. |
| 1388 | Mugello Basin | Italy | | | 43.974781 | 11.372852 | 3late Villafranchian | | 2 | 1.1 | Pleistocene | Kasjók, S.; Krolop, E. 1991. Nagyegyházi környezetgyógyászok és földvályi üledékfelfedezői időszaka Duna-völgyben Pak és Molnári között. Magyar Állami Földtani Intézet Évi Jelentése 1989-90, 65-84. |
| 5748 | Mühlhausen (6-7km E, Körner) | Germany | Mühlhausen | | 51.231459 | 10.587351 | 2(Holocene) | | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylinen und aluviale Schichten in Westthüringen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 5737 | Mühlhausen (between Fehla and Weidensee) | Germany | Mühlhausen | | 51.187293 | 10.428661 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Klett, B. 1928. Die Conchylinen und aluviale Schichten in Westthüringen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 5747 | Mühlhausen (between Reiser and Dachrieden) | Germany | Mühlhausen | | 51.260612 | 10.465226 | 2(Holocene) | | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylinen und aluviale Schichten in Westthüringen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 5765 | Mühlhausen (Feldstraße, profil 4b) | Germany | Mühlhausen | | 51.212323 | 10.464999 | 2Aptoveal to | | 0.0115 | 0.0056 | Holocene | Watzel, A. 1987. Zur Geomorphologie des Absatzraumes der holozänen Binnenwasserläufe im Mühlhäuser Becken. <i>Alt-Thüringen</i> , 22/23, 7-28. |
| 5744 | Mühlhausen (I quarry on the road to Hollenbach, NE wall) | Germany | Mühlhausen | | 51.231445 | 10.398153 | 3(Holocene) | | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylinen und aluviale Schichten in Westthüringen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 5745 | Mühlhausen (II, on the road from Ammern to Reiser, Kalksandbruch pages 95,96, 99, 100) | Germany | Mühlhausen | | 51.242954 | 10.461844 | 2(Holocene) | | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylinen und aluviale Schichten in Westthüringen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 4646 | Mühlhausen (Kleppe in Kletten, 1928) | Germany | Mühlhausen | | 51.214398 | 10.463646 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Klett, B. 1917. Auf den Knochenfunden der diluvialen und alluvialen Schwemmlandbildung der Umgebung von Mühlhausen I. Th. <i>Nachschriften der Deutschen Malakozoologischen Gesellschaft</i> , 49 (3), 133-137. |
| 5767 | Mühlhausen (Stephanstraße, profil 9) | Germany | Mühlhausen | | 51.215488 | 10.454055 | 2Alleröd to Boreal | | 0.0135 | 0.008 | Holocene | Watzel, A. 1987. Zur Geomorphologie des Absatzraumes der holozänen Binnenwasserläufe im Mühlhäuser Becken. <i>Alt-Thüringen</i> , 22/23, 7-28. |
| 5746 | Mühlhausen (Wendewehrstrasse) | Germany | Mühlhausen | | 51.216867 | 10.458922 | 2(Holocene) | | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylinen und aluviale Schichten in Westthüringen. <i>Zeitschrift für Naturwissenschaften</i> , 88, 57-148. |
| 3118 | Mühlheim an der Donau (C25, in Geyer, 1915, p88) | Germany | Mühlheim an der Donau | | 48.031724 | 8.892274 | 2Jüngere Kalktrüfe | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktrüfe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. |
| 3168 | München (Belgradstraße) | Germany | | | 48.163158 | 11.574661 | 2Abundant (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Schröder, R. 1915. Die Conchylinen des Münchner Gebiets vom Pleistocene bis zur Gegenwart. <i>Nachschriften der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 3200 | München (corner of Pestalozzistraße and Stephanstraße) | Germany | München | | 48.130788 | 11.567283 | 2(Holocene) | | 0.0117 | 0 | Holocene | Schröder, R. 1915. Die Conchylinen des Münchner Gebiets vom Pleistocene bis zur Gegenwart. <i>Nachschriften der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 3199 | München (Dürrenismaning, 5 km N of Freimann in Schröder, 1915 and no 36 in Dehm, 1697) | Germany | Dürrenismaning | | 48.231953 | 11.602618 | 2Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Paläoökologie</i> , 93 (2), 247-276. |
| 3223 | München (Eichennried, IX in Brunnacker and Brunnacker, 1962) | Germany | | | 48.277692 | 11.788061 | 2Mindel/Riss | | 0.41 | 0.38 | Pleistocene | Brunnacker, M.; Brunnacker, K. 1962. Weitere Funde pleistozäner Molluskenfaunen bei München. Eiszeitalter und Gegenwart, 13, 129-137. |
| 3220 | München (Kosttor) | Germany | | | 48.138586 | 11.581024 | 2Abundant (old boundaries) | | 0.0117 | 0 | Holocene | Schröder, R. 1915. Die Conchylinen des Münchner Gebiets vom Pleistocene bis zur Gegenwart. <i>Nachschriften der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 3198 | München (Lochhausen) | Germany | München | | 48.1632 | 11.430845 | 2(Holocene) | | 1.806 | 0.0117 | Pleistocene | Schröder, R. 1915. Die Conchylinen des Münchner Gebiets vom Pleistocene bis zur Gegenwart. <i>Nachschriften der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 3167 | München (Luitpoldpark) | Germany | München | | 48.170896 | 11.569832 | 2(Holocene) | | 1.806 | 0.0117 | Pleistocene | Schröder, R. 1915. Die Conchylinen des Münchner Gebiets vom Pleistocene bis zur Gegenwart. <i>Nachschriften der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 3087 | München (north of Freimann in Schröder, 1915 and no 39 in Dehm, 1697) | Germany | | | 48.189061 | 11.608429 | 2Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 71, 135-152. |
| 4949 | Mundesley | United Kingdom | | | 52.88026 | 1.4299 | 2Cromerian | | 0.86 | 0.46 | Pleistocene | FreshGEN team decision |
| 3774 | Münster (river sand) | Germany | | | 51.956125 | 7.656846 | 3Diluvial | | 1.806 | 0.0117 | Pleistocene | Schröder, R. 1915. Die Conchylinen der Molluskenarten diluvialer Ablagerungen im Ruhr-Emscher-Lippe-Gebiete. <i>Archiv für Molluskenkunde</i> , 65, 25-49, 120, 155-183, 233-244. |
| 5299 | Murava | Belarus | | | 54.099855 | 28.179246 | 4to Holocene | | 0.115 | 0 | Pleistocene | Saks, A.J. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 2888 | Murr (between Steinheim and Murr) | Germany | Murr | | 48.967259 | 9.271537 | 2Diluvial | | 1.806 | 0.0117 | Pleistocene | Geyer, D. 1913. Beiträge zur Kenntnis des Quartärs in Schwanen. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 69, 277-302. |
| 4016 | Muselevio (fluvialitic deposits F1 to F3 in Alexandrowicz, 2009) | Bulgaria | Muselevio | | 43.631382 | 24.847232 | 2Ma | | 0.00391-0.0025 | 0.00391-0.0025 | Holocene | Alexandrowicz, S.W. 2009. Mollusca of Late Quaternary Deposits from Muselevio, northern Bulgaria. <i>Folia Malacologica</i> , 17 (4), 177-183. |
| 5160 | Myakovo | Belarus | Myakovo | | 55.056355 | 30.265415 | 2Holocene | | 0.0117 | 0 | Holocene | Sanko, A.P. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Belarus, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 1395 | Mys Chauda | Ukraine | Kap Tschauda (Kertsch) | | 45.00358 | 35.833429 | 2Chandan | | 0.7 | 0.4 | Pleistocene | Sakolow, M.I. 1933. Fossils of the Tchad beds in Russia. In: Arshangelsky, A.D.; Davatchvili, L.S. (eds) <i>Characteristic fossils of the oil districts of the Crimea and Caucasus. Transactions of the State Petroleum Research-Institute</i> , 13, 3-18. |
| 3778 | Nagonoye | Ukraine | Caragaci; Caracucci-Vechi; Karagach; Karagachi Vek' | | 45.43158 | 28.44691 | 3Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Maciocwicki, N. 1940. Recherches géologiques et paléontologiques dans la Bessarabie méridionale (Roumanie). <i>Annales scientifiques de l'Université de Jassy</i> , 36 (1), 177-422. |
| 4837 | Naklo (faunal list, locality 26 in Alexandrowicz and Alexandrowicz, 2010) | Poland | Naklo | | 53.147245 | 17.591056 | 2Eemian | | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W.; Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Poloniae</i> , 80, 69-87. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|---------------------|--------------------|------------------------|-----------|-----------|-------------------------------|-------------------|---------------------|---------------------|-------------|--|
| 1404 | Nanc-lès-Saint-Amour | | France | Nanc (Jura) | 46.4229 | 5.3594 | 2MN 17 | | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 5083 | Navarrés | | Spain | | 39.099837 | -0.696646 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Mashina Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 43-166. |
| 5304 | Navasady | | Belarus | | 53.802997 | 27.158832 | 2Holocene | | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3109 | Neckarhausen (C14, between Neckarhausen and Glatz, in Geyer, 1915, p.75) | | Germany | Neckarhausen | 48.393652 | 8.641218 | 2Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. Jahresheft des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 4601 | Neede (Urk Formation-Needian Interglacial) | | Netherlands | Neede | 52.137051 | 6.629312 | 2Interglacial | | 0.41 | 0.38 | Pleistocene | Meijer, T., Preec, R.C. 1998. Stratigraphical evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Middle Paleolithic in Europe. A.A. Balkema, Rotterdam, Brookfiel. |
| 5198 | Neravai | | Lithuania | Neravai | 54.023497 | 23.999952 | 2Butena Interglacial | | 0.41 | 0.38 | Pleistocene | Sanko, A., Gaigalas, A., Velsklevich, F., Mekelyte, M. 2006. Mollusca fauna and seed flora of Butena Interglacial in deposits of the Neravai outcrop, South Lithuania. Geologija, 54 (2), 31-41. |
| 5294 | Neravai (Snaypeli) | | Lithuania | Neravai | 54.035189 | 23.945537 | 3middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3483 | Nernier Factory Plaquin at Excineux near Yvoire, station 27, levels I and IIa,b,c, in Favre, 1927) | | France | Nernier | 46.360443 | 6.347558 | 2Paleolithic (end) | | 0.01 | 0 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3499 | Nernier (in front of Nernier, station 35g in Favre, 1927) | | France | Nernier | 46.363399 | 6.301138 | 2Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3462 | Nernier (Norr Dame du Lac de Nernier, level I, station 14 in Favre, 1927) | | France | Nernier | 46.360725 | 6.306272 | 2Paleolithic (end) | | 0.01 | 0.008 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 5002 | Nesbar (Kardis) | | Bulgaria | Nesbar | 42.702063 | 27.689386 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Petrov, J. 1940b. Zur Kenntnis der quartären Mollusken von Burgas. Archiv für Molluskenkunde, 72 (5/6), 151-157. |
| 5003 | Nesbar (Kardis, Rissen, II in Petrobok, 1940a) | | Bulgaria | Nesbar | 42.702062 | 27.689386 | 2Riss | | 0.38 | 0.125 | Pleistocene | Petrov, J. 1940a. The Molluscs of the Bulgarian Quaternary. Spisanie na Balgarsko Geološko Državhestvo, 11, 133-144. |
| 5009 | Nesbar (Kardis, Wirmen, II in Petrobok, 1940a) | | Bulgaria | Nesbar | 42.702062 | 27.689386 | 2Wirm | | 0.115 | 0.0117 | Pleistocene | Petrov, J. 1940a. The Molluscs of the Bulgarian Quaternary. Spisanie na Balgarsko Geološko Državhestvo, 11, 133-144. |
| 5023 | Nesbar (Mesimvri, Litorinen-subboreal, 19 in Petrobok, 1940a) | | Bulgaria | Nesbar | 42.675555 | 27.699185 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Petrov, J. 1940a. The Molluscs of the Bulgarian Quaternary. Spisanie na Balgarsko Geološko Državhestvo, 11, 133-144. |
| 3996 | Neumark (borehole F3 in Hunger, 1939) | | Germany | Neumark | 51.302311 | 11.890859 | 2Interfacial | | 0.125 | 0.115 | Pleistocene | Hunger, R. 1939. Zwei Dörlaufaumen-Deckgebirge der Braunkohle des Tagebaus Leonhard bei Neumark im Gesetal. Zeitschrift für Geschichtliche Erkenntnis, 10, 116-124. |
| 3995 | Neumark (boreholes F1 and F2 in Hunger, 1939) | | Germany | Neumark | 51.300663 | 11.887596 | 2Interfacial | | 0.41 | 0.38 | Pleistocene | Hunger, R. 1939. Zwei Dörlaufaumen-Deckgebirge der Braunkohle des Tagebaus Leonhard bei Neumark im Gesetal. Zeitschrift für Geschichtliche Erkenntnis, 10, 116-124. |
| 5669 | Neumark (Geiseltal-Neumark Süd, table 22 in Mania, 1973) | | Germany | Neumark | 51.295331 | 11.872089 | 2Saalian | | 0.38 | 0.125 | Pleistocene | Mania, D. 1973. Paläontologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von Molluskenfunden. Geologische Rundschau, 63 (4), 1-17. |
| 5669 | Neumark (Geiseltal-Neumark Süd, table 17 and 24 in Mania, 1973) | | Germany | Neumark | 51.295331 | 11.872089 | 2late Holsteinian | | 0.395 | 0.38 | Pleistocene | Mania, D. 1973. Paläontologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von Molluskenfunden. Geologische Rundschau, 63 (4), 1-17. |
| 5663 | Neumark (Rößbach, table 20 and 22 in Mania, 1973) | | Germany | Neumark | 51.260127 | 11.894411 | 2Esterian | | 0.46 | 0.41 | Pleistocene | Mania, D. 1973. Paläontologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von Molluskenfunden. Geologische Rundschau, 63 (4), 1-17. |
| 3678 | Nida (Borehole 16 in Damušytė, 2009) | | Lithuania | Nida | 55.262628 | 21.313418 | 1Atlantic to Subboreal | | 0.008 | 0.0025 | Holocene | Bainas, A., Damulytė, A., Stasauskaitė, M., Aleksa, P. 2002. Geological development of the Nemunas River Delta and adjacent areas, West Lithuania. Geological Quarterly, 46 (4), 374-389. |
| 3679 | Nida (Borehole 25 in Damušytė, 2009) | | Lithuania | Nida | 55.309817 | 21.309899 | 1Atlantic to Subboreal | | 0.008 | 0.0025 | Holocene | Bainas, A., Damulytė, A., Stasauskaitė, M., Aleksa, P. 2002. Geological development of the Nemunas River Delta and adjacent areas, West Lithuania. Geological Quarterly, 46 (4), 375-389. |
| 3680 | Nida (Borehole 28/1 in Damušytė, 2009) | | Lithuania | Nida | 55.2837 | 20.986685 | 2Ma | | 0.00826 | 0.006895 | Holocene | Bainas, A., Damulytė, A. 2004. The Lituanian Sea in the Lithuanian maritime region. Proceedings of the Conference 'Rapid transgressions into semi-enclosed basins', Polish Geological Institute Special Papers 11, 37-46. |
| 3676 | Nida (Borehole 3/1 in Damušytė, 2009) | | Lithuania | Nida | 55.312109 | 21.150116 | 2Pleistocene | | 0.0115 | 0.009 | Holocene | Damulytė, A. 2009. Late Glacial and Holocene subfossil mollusc shells on the Lithuanian Baltic Sea coast. Baltica, 22 (2), 111-122. |
| 3677 | Nida (Borehole 6 in Damušytė, 2009) | | Lithuania | Nida | 55.300096 | 21.159506 | 2Atlantic | | 0.008 | 0.0056 | Holocene | Damulytė, A. 2009. Late Glacial and Holocene subfossil mollusc shells on the Lithuanian Baltic Sea coast. Baltica, 22 (2), 111-122. |
| 3682 | Nida (Parmidis kopa outcrop in Damušytė, 2009) | | Lithuania | Nida | 55.285564 | 20.990194 | 2Ma | | 0.00826 | 0.006895 | Holocene | Bainas, A., Damulytė, A. 2004. The Lituanian Sea in the Lithuanian maritime region. Proceedings of the Conference 'Rapid transgressions into semi-enclosed basins', Polish Geological Institute Special Papers 11, 37-46. |
| 5627 | Niechorze (Niechorze L samples 2 to 10) | | Poland | Niechorze | | | Building to Poland | | 0.0123 | 0.0092 | Holocene | Kopeczyńska-Lamparska, K., Cisala, A., Skompski, S. 1984. Evolution of fossil lake basins of the Late Glacial and Holocene in the cliff near Niechorze (Pomeranian Lakeland, Poland). Quaternary Studies in Poland 5, 39-58. |
| 5774 | Niederberetschdorf (marsh loess, layer D) | | France | Niederberetschdorf | 48.899552 | 7.908521 | middle-late Pleistocene | | 0.781 | 0.0117 | Pleistocene | FreshGEN team decision |
| 3790 | Nitra (Kesovský Pére, borehole PJ-6) | | Slovakia | Nitra | 48.156079 | 18.048962 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 3789 | Nitra (Kopeč, borehole PJ-7) | | Slovakia | Nitra | 48.069696 | 18.126056 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 3787 | Nitra (Ludovítov, borehole PZ-4) | | Slovakia | Nitra | 48.034801 | 18.115099 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 3788 | Nitra (Malé Číky, borehole PZ-5) | | Slovakia | Nitra | 48.049986 | 18.116669 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 3791 | Nitra (Poříny Kesov, borehole PJ-7) | | Slovakia | Nitra | 48.159613 | 18.056597 | 2late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 3291 | Noce Basin | | Italy | | 39.98333 | 15.8 | 3Pleistocene | | 0.46 | 0.126 | Pleistocene | Eruza, D., Gürati, O. 1991. Late Pleistocene and Pleistocene assemblages of continental molluscs in Italy. A survey. Il Quaternario, 4 (1a), 137-150. |
| 4595 | Noordbergum (6D/38, Urk Formation-Noordbergum Interglacial) | | Netherlands | Noordbergum | 53.226207 | 6.006549 | 2Interglacial IV | | 0.502 | 0.472 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 5333 | Noorderhoeve (borehole Noorderhoeve-19E17) | | Netherlands | Noorderhoeve | 52.603803 | 4.94577 | 1Oostemeer | | 0.251 | 0.195 | Pleistocene | Keráthová, J. 1997. Ecological evaluation of malacofauna from the middle terraces loess cover, southern part of the Nitra hilly land. Slovenské Geologické Magazíne, 3 (4), 231-246. |
| 4596 | North Sea (E8-4) | | Netherlands | North Sea | 54.545556 | 3.404444 | 1post-Bavelian to Elsterian | | 0.86 | 0.46 | Pleistocene | Meijer, T., Preec, R.C. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Middle Pleistocene in Europe. A.A. Balkema, Rotterdam, Brookfiel. |
| 1446 | Norwich | | United Kingdom | | 52.630562 | 1.296673 | 3(Gelstian) | | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilien Catalogus I. Animalia. Gastropoda extrazonaria tertiaria. W. Junk, Berlin. |
| 4432 | Norwich (Thorpe) | | United Kingdom | Norwich | 52.635762 | 1.359545 | 2Holocene | | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine molluscan fauna of borehole Noorderhoeve-19E117 (province of Noord-Holland, the Netherlands). Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. |
| 5372 | Nové Zámky (sites R and S in table 2 in Ložek, 1965) | | Slovakia | Nové Zámky | 48.012913 | 18.166595 | 2middle Wirm | | 0.069 | 0.025 | Pleistocene | Ložek, V. 1965. Das Problem der Lößbildung und die Lössmälsungen. Einzeitzalter und Gegenwart, 16, 61-75. |
| 5014 | Novograd (not horizontated Holocene, Danube shore, between Vardim and Yantra mouth) | | Bulgaria | Novgrad | 43.628439 | 25.506952 | 2Holocene | | 0.0117 | 0 | Holocene | Petrov, J. 1940b. Zur Kenntnis der quartären Mollusken von Burgas. Archiv für Molluskenkunde, 72 (5/6), 151-157. |
| 5159 | Noviki | | Belarus | Noviki | 55.075663 | 30.244488 | 2Holocene | | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3902 | Novokhopersk (right bank of the Khoper River, locality Novokhopersk-1, Novokhopersk Fm.) | | Russian Federation | Novokhopersk | 51.107524 | 41.63242 | 2middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kondrobov, P.E. 2007. New Gastropod Species from the Pleistocene of the Upper Don Basin. Paleontological Journal, 41 (5), 513-519. |
| 4134 | Nußdorf ob der Traisen (Franzhausen I, Early Bronze Age, stations 33-34 in Frank, 2006) | | Austria | Nußdorf ob der Traisen | 48.333333 | 15.7 | 2Bronze Age | | 0.0043 | 0.0028 | Holocene | Frank, C. 2006. Bio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62. Wien. |
| 4927 | Nyírfabrény (Iónás-rész) | | Hungary | Nyírfabrény | 47.550196 | 21.960033 | 2Subrecent | | 0.0117 | 0 | Holocene | Bertalan, L., Dék, L., Sümegei, P. 1995. A Ponantia rivularis (Eichwald, 1829) faj újabb, szubfosszilis előfordulása Magyarországon. Malakológiai Tájékozatú, 14, 13-15. |
| 3485 | Nyon (Bergerie, station 31, in Favre, 1927) | | Switzerland | Nyon | 46.409201 | 6.272728 | 2Magdalenian | | 0.018 | 0.011 | Pleistocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3461 | Nyon (Boiron, near Nyon, level Ib, station 10 in Favre, 1927) | | Switzerland | Nyon | 46.366555 | 6.217933 | 2Subboreal | | 0.0056 | 0.0028 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3484 | Nyon (Landes, station 30, in Favre, 1927) | | Switzerland | Nyon | 46.362742 | 6.219357 | 2Magdalenian | | 0.018 | 0.011 | Pleistocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3483 | Nyon (Marias de Refets N of Rippe, station 29, level Ic and II, in Favre, 1927) | | Switzerland | Nyon | 46.388331 | 6.149864 | 2to Subatlantic | | 0.01 | 0 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3484 | Nyon (Marias near Trélex, station 28, level II, in Favre, 1927) | | Switzerland | Nyon | 46.405668 | 6.21636 | 2Subatlantic | | 0.008 | 0 | Holocene | Schröder, R. 1915. Die Conchylien des Münchner Gebiets vom Pleistocene bis zur Gegenwart. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 1-4, 97-133, 145-196. |
| 3209 | Oberföring (gravel pit in valley 1.6 km S of St. Emmeran) | | Germany | Oberföring | 48.164233 | 11.620113 | 2(Holocene) | | 0.00585 | 0 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |
| 3171 | Oberföring (St. Emmeran) | | Germany | Oberföring | 48.175808 | 11.630735 | 2Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Schröder, R. 1915. Die Conchylien des Münchner Gebiets vom Pleistocene bis zur Gegenwart. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 1-4, 97-133, 145-196. |
| 3116 | Oberlenningen (C20, Oberlenningen in Geyer, 1915) | | Germany | Oberlenningen | 48.548926 | 9.475294 | 2Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5119 | Obof | | Belarus | Obof | 55.361118 | 29.290521 | 2Pleistocene | | 0.115 | 0 | Pleistocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. Mémoires de la Société de Physique et d'Historie Naturelle de Genève, 40 (3), 171-434. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|---------------------|----------------------------|--|-----------|-----------|----------------------|---|---------------------|---------------------|-------------|--|
| 2485 | Odesa (Kujalikian) | Odessa | Ukraine | | 46.481846 | 30.734138 | 3 | Kujalikian | 3.2 | 1.62 | Pleistocene | Wenz, W. 1942. Die Mollusken des Pleistozäns der rumänischen Erdöl-Gebiete als Leitversteinerungen für die Aufschluss-Arbeiten. Senckenbergiana, 24, 1-293. |
| 5109 | Odnopolje (Odnopolje 1 and 2) | Odnopolje | Belarus | Odnopoliye | 52.692561 | 30.992772 | 2 | Holocene | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4708 | Ohrid (core Co1200) | Ohrid | Macedonia | | 41.105953 | 20.800282 | 2 | 0.148-0.102 Ma | 0.148 | 0.102 | Pleistocene | Lindhorst, K., et al. 2010. Stratigraphic analysis of lake level fluctuations in Lake Ohrid: an integration of high resolution hydro-acoustic data and sediment cores. Biogeosciences Discussions, 7, 3651-3689. |
| 5109 | Ohrid (not horizontated Holocene) | Ohrid | Macedonia | | 41.031157 | 20.707772 | 3 | Holocene | 0.0117 | 0 | Holocene | Potrbok, J. 1943. Zweiter Beitrag zur Kenntnis der Quartär-Mollusken von serbisch Makedonien. Archiv für Molluskenkunde, 75 (5/6), 276-283. |
| 4966 | Ohrid (Ohriske, 9 m in Petrob, 1956b) | Ohrid | Macedonia | | 41.113801 | 20.789522 | 2 | Subboreal | 0.0056 | 0.0028 | Holocene | Potrbok, J. 1943. Zweiter Beitrag zur Kenntnis der Quartär-Mollusken von serbisch Makedonien. Archiv für Molluskenkunde, 75 (5/6), 276-283. |
| 5099 | Obráz (subboreál Litorinién) | Obráz | Macedonia | | 41.031157 | 20.707772 | 3 | Subboreal | 0.0056 | 0.0028 | Holocene | Potrbok, J. 1943. Zweiter Beitrag zur Kenntnis der Quartär-Mollusken von serbisch Makedonien. Archiv für Molluskenkunde, 75 (5/6), 276-283. |
| 3925 | Ojcow (Ojcówka stream valley) | Ojcow | Poland | | 50.207616 | 19.859349 | 2 | 0.008-0.0024 Ma | 0.008 | 0.0024 | Holocene | Alexandrowicz, S.W. 1983. Macrofauna of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 2782 | Odenburg (Haarenbett) | Odenburg | Germany | | 53.142654 | 8.214758 | 1 | Middle Ages | 0.0015 | 0.0005 | Holocene | Kadolky, D. 1967. Eine subzebrale Molluskenfauna aus dem Haarenbett in der Stadt Odenburg (Oldb). Oldenburger Jahrbuch, 66, 69-74. |
| 5577 | Olszyn (Tłokowo leg. I-18) | Olszyn | Poland | | 53.99448 | 20.738034 | 2 | early Holocene | 0.0117 | 0.0078 | Holocene | Alexandrowicz, W.P. 1999. Evolution of the malacological assemblages in north Poland during the Late Glacial and Early Holocene. Folia Quaternaria, 70, 39-69. |
| 5569 | Olszyn (Wo1-Wo5) | Olszyn | Poland | | 53.75508 | 20.209516 | 2 | Younger Dryas | 0.0129 | 0.0115 | Pleistocene | Alexandrowicz, W.P. 1999. Evolution of the malacological assemblages in north Poland during the Late Glacial and Early Holocene. Folia Quaternaria, 70, 39-69. |
| 5571 | Olszyn (Wo20-Wo21) | Olszyn | Poland | | 53.75508 | 20.209516 | 2 | Upper Holocene | 0.00585 | 0 | Holocene | Alexandrowicz, W.P. 1999. Evolution of the malacological assemblages in north Poland during the Late Glacial and Early Holocene. Folia Quaternaria, 70, 39-69. |
| 5570 | Olszyn (Wo6-Wo19) | Olszyn | Poland | | 53.75508 | 20.209516 | 2 | Ma | 0.00855 | 0.003885 | Holocene | Alexandrowicz, W.P. 1999. Evolution of the malacological assemblages in north Poland during the Late Glacial and Early Holocene. Folia Quaternaria, 70, 39-69. |
| 5353 | Opavice nad Nitrou (site E in table 9 in Ložek, 1964, fluvial deposits) | Opavice nad Nitrou | Slovakia (Slovak Republic) | | 48.761878 | 18.57086 | 2 | late Würm | 0.025 | 0.0117 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. |
| 5353 | Opavice nad Nitrou (site G in table 9 in Ložek, 1964, fluvial deposits) | Opavice nad Nitrou | Slovakia (Slovak Republic) | | 48.761878 | 18.57086 | 2 | Subatlantic | 0.0028 | 0 | Holocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. |
| 5371 | Opava | Opava | Czech Republic | | 49.941317 | 17.894543 | 2 | Preboreal to Atlantic | 0.0115 | 0.0056 | Holocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. |
| 86 | Orce (Barranco de los Conejos, section CO in Anadón et al. 1987) | Orce | Spain | | 37.73705 | -2.460693 | 2 | early Calabrian | 1.806 | 1.3 | Pleistocene | Anadón, P., De Decker, P., Juliá, R. 1987. The Pleistocene lake deposits of the NE Baza Basin (Spain): salinity variations and ostracod succession. Hydrobiologia, 14, 199-208. |
| 87 | Orce (Barranco de Orce, section OR in Anadón et al. 1987) | Orce | Spain | | 37.719541 | -2.459736 | 2 | early Calabrian | 1.806 | 1.3 | Pleistocene | Anadón, P., De Decker, P., Juliá, R. 1987. The Pleistocene lake deposits of the NE Baza Basin (Spain): salinity variations and ostracod succession. Hydrobiologia, 14, 199-208. |
| 88 | Orce (Barranco Léon, sections LB+BL in Anadón et al. 1987) | Orce | Spain | | 37.720491 | -2.452898 | 2 | early Calabrian | 1.806 | 1.3 | Pleistocene | Anadón, P., De Decker, P., Juliá, R. 1987. The Pleistocene lake deposits of the NE Baza Basin (Spain): salinity variations and ostracod succession. Hydrobiologia, 14, 199-208. |
| 1471 | Orciano Pisano | Orciano Pisano | Italy | Orciano (Pisa) | 43.49444 | 10.51151 | 2 | Villafranchian | 3.5 | 1.1 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastroopoda straminaria teretaria. W. Junk, Berlin. |
| 4435 | Orford (Gedgrave) | Orford | United Kingdom | | 52.084974 | 1.507977 | 2 | Holocene | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-7876(22)80002-X |
| 3909 | Ostronki (NE part of the paleolake, section 16) | Ostronki | Poland | | 52.61817 | 18.816693 | 2 | late Vistulan to Subboreal | 0.0119 | 0.0028 | Holocene | Alexandrowicz, S.W. 2008. Macrofauna of late Quaternary lacustrine deposits at Ostronki (Kujawy, central Poland). Folia Quaternaria, 78, 51-69. |
| 3908 | Ostronki (SW part of the paleolake, borehole 9A) | Ostronki | Poland | | 52.615417 | 18.801146 | 2 | Subboreal | 0.0119 | 0.0028 | Holocene | Alexandrowicz, S.W. 2008. Macrofauna of late Quaternary lacustrine deposits at Ostronki (Kujawy, central Poland). Folia Quaternaria, 78, 51-69. |
| 5665 | Osterode (Osterberg, in Mania, 1973) | Osterode | Germany | | 52.033512 | 10.668401 | 2 | Holsteinian | 0.41 | 0.38 | Pleistocene | Mania, D. 1973. Paläontologische Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von Molluskenfunden. Geologica, 21 (78/79), 1-175. |
| 5685 | Ostholstein (Kellersee, East coast) | Ostholstein | Germany | | 54.169134 | 10.571107 | 2 | Atlantic | 0.008 | 0.0056 | Holocene | Schuster, O. 1925. Postglaziale Quellquelle Schleswig-Holsteins und ihre Molluskenfauna in Beziehung zu den Veränderungen des Klimas und der Gewässer. Archiv für Hydrobiologie, 16, 1-73. |
| 3903 | Ostrogozhsk (Veret'e, Il'inka Formation) | Ostrogozhsk | Russian Federation | Veret'e, Ilyinka | 50.779755 | 38.884675 | 2 | older than Alessandrian | 0.781 | 0.41 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5125 | Otor (Lach, Strumen', Ippolito, Otor) | Otor | Belarus | Lach, Strumen', Lač, Strumien' | 52.946869 | 30.908226 | 3 | Pozeroy glacial | 0.115 | 0 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3235 | Otricoli | Otricoli | Italy | | 42.421809 | 12.477722 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Eso, D., Girotti, O. 1975. La macrofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 4771 | Otvovice (borehole H1, Zákolanský stream flood plain, MF1, 3-9) | Otvovice | Czech Republic | | 50.205608 | 14.260654 | 2 | Upper Holocene | 0.00585 | 0 | Holocene | Kovanda, J., Horák, M. 2009. Mělký svrchní část sedimentů avy Zákolanského potoka v Otvovicích u Kralup nad Vltavou. Zprávy o geologických výzkumech v roce 2008. Česká geologická služba, 62-65. |
| 4129 | Oxford (Sugworth lane, sample D) | Oxford | United Kingdom | | 51.70257 | -1.254503 | 2 | Substage Crillb | 0.592 | 0.542 | Pleistocene | Gibson, D.D. 1980. The Palaeoecology of Middle Pleistocene Mollusca from Sugworth, Oxfordshire. Philosophical Transactions of the Royal Society of London B. Biological Sciences, 289, 107-118. doi: 10.1098/rstb.1980.0030 |
| 2391 | Ozernye (Neopleistocene) | Ozernye | Ukraine | Babel; Babel'; Ozernye; Ozernoye | 45.403753 | 28.674488 | 2 | (Ionian) | 0.43 | 0.135 | Pleistocene | Gozhik, P., Datseko, I.N. 2007. Presnovodye Molluski pozdnego kainozoya yuga Bostochnoy Veyropy. Chast' II. Natsional'naya Akademiya Nauk Ukrayiny. Instytut Geologicheskikh Nauk, Kiev. |
| 1487 | Paciuno | Paciuno | Italy | Paciuno near Città della Pieve (Perugia) | 43.023569 | 12.067702 | 2 | Villafranchian | 3.5 | 1.1 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastroopoda straminaria teretaria. W. Junk, Berlin. |
| 3934 | Paczółtowice (P-near the village) | Paczółtowice | Poland | | 50.188474 | 16.674473 | 2 | 0.009-0.0064 Ma | 0.009 | 0.0064 | Holocene | Alexandrowicz, S.W. 1983. Macrofauna of Holocene sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. |
| 5306 | Padharany | Padharany | Belarus | | 36.472507 | 24.234041 | 2 | Holocene | 0.0117 | 0 | Holocene | Goździk, A.J. 2002. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5075 | Padul | Padul | Spain | | 37.021261 | -3.621053 | 2 | Late Glacial to Subboreal | 0.0147 | 0.0028 | Holocene | Mashura Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad de Historia Natural, 71, 43-66. |
| 3292 | Palagiano (Fontana del Fico) | Palagiano | Italy | | 40.578238 | 17.039108 | 2 | Paleo-Tyrrhenian | 0.41 | 0.38 | Pleistocene | Eso, D., Girotti, O. 1991. Late Pleistocene and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des Pays Helléniques, 299-333. |
| 138 | Palaiosvariavásiná | Palaiosvariavásiná | Greece | Palaeoivarvarasena | 37.67903 | 21.522303 | 2 | Gelasian | 2.588 | 1.806 | Pleistocene | Gozhik, P., Datseko, I.N. 2007. Presnovodye Molluski pozdnego kainozoya yuga Bostochnoy Veyropy. Chast' II. Natsional'naya Akademiya Nauk Ukrayiny. Instytut Geologicheskikh Nauk, Kiev. |
| 3691 | Palanga (Borehole 1/4 in Damasyte, 2009) | Palanga | Lithuania | | 56.032404 | 21.073837 | 2 | 0.008-0.007 Ma | 0.008 | 0.007 | Holocene | Banaias, A., et al. 2009. Stratigraphic correlation of Late Weichselian and Holocene deposits in the Lithuanian coastal region. Proceedings of the International Conference on Coastal Studies, Geology, 49 (3), 200-217. |
| 1491 | Palermo (Monte Pellegrino) | Palermo | Italy | | 38.16667 | 13.35 | 2 | early Calabrian | 1.806 | 1.3 | Pleistocene | Eso, D., Girotti, O., Kosakas, T. 1993. Palaeobiogeographical observations on Villafranchian continental molluscs of Italy. Scripta Geologica, Special Issue, 2, 101-119. |
| 5085 | Palma Nova | Palma Nova | Spain | | 39.523876 | 2.537355 | 2 | Holocene | 0.0078 | 0 | Holocene | Mashura Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. Boletín de la Real Sociedad de Historia Natural, 71, 43-66. |
| 2768 | Palosco (Core RL, 7) | Palosco | Italy | | 45.578611 | 9.819444 | 2 | late Early Pleistocene (old boundaries) | 1.383 | 0.781 | Pleistocene | Giannola, D., et al. 2010. Malacological response to Pleistocene sea-level change in the northern Po plain, N. Italy: detailed palaeoenvironmental reconstructions from two Lombardian cores. Rivista Italiana di Paleontologia e Stratigrafia, 116, 79-102. |
| 4109 | Paphos (Kissonerga-Mylouthkia site, 6 Km N of Paphos) | Paphos | Cyprus | | 34.816736 | 32.400261 | 2 | 0.002-0.0056 Ma | 0.0092 | 0.0056 | Holocene | Rakof-Shavit, 2007. The Mollusca of the Paphos area, Cyprus. The Archaeo+malacology Group, Paper No. 11, 9-24. |
| 3184 | Paradeisi (Vokasina valley, section K1, samples Ko55-67, Ko79-87, K2 in Willmann, 1981) | Paradeisi | Greece | Paradeisi | 36.872205 | 27.32204 | 2 | early Pleistocene | 1.6 | 1.4 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-23. |
| 3182 | Paradeisi (Vokasina valley, section K1, samples Ko73-74, K6-7 + Ko189 in Willmann, 1981) | Paradeisi | Greece | Paradeisi | 36.872205 | 27.32204 | 2 | Iraiki Formation | 1.9 | 1.8 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-23. |
| 3183 | Paradeisi (Vokasina valley, section K2, samples Ko1, Ko1-40 in Willmann, 1981) | Paradeisi | Greece | Paradeisi | 36.872205 | 27.32204 | 2 | early Pleistocene | 1.8 | 1.6 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-23. |
| 3179 | Paradeisi (Vokasina valley, section K2, samples Ko2-10, Ko41-44, Ko71-72, Kb-14, K102, K300 in Willmann, 1981) | Paradeisi | Greece | Paradeisi | 36.873922 | 27.323084 | 2 | Setif Formation | 2.3 | 2.1 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-23. |
| 3181 | Paradeisi (Vokasina valley, section K2, samples Ko2-10, Ko41-44, Ko71-72, Kb-14, K102, K300 in Willmann, 1981) | Paradeisi | Greece | Paradeisi | 36.873922 | 27.323084 | 2 | Ko/Peloponeso | 2.1 | 1.9 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Süßwassergastropoden von Rhodos und Kos/Agäis. Palaeontographica Abt. A, 174, 10-23. |
| 4109 | Paris (Héliport Farman, malacosome PHF-1 in Granai et al., 2011) | Paris | France | | 48.834218 | 2.270451 | 2 | Atlantic | 0.0115 | 0.0056 | Holocene | Grani, S., Lamondin-Lozouet, N., Chauvet, C. 2011. Evolution paléoenvironnementale de la vallée de la Seine à Tardiglaciature et à l'Holocène, à Paris (France), d'après l'étude des malacofaunes. Quaternaire, 22 (4), 327-344. |
| 4110 | Paris (Héliport Farman, malacosome PHF-2 in Granai et al., 2011) | Paris | France | | 48.834218 | 2.270451 | 2 | Subboreal | 0.0056 | 0.0028 | Holocene | Grani, S., Lamondin-Lozouet, N., Chauvet, C. 2011. Evolution paléoenvironnementale de la vallée de la Seine à Tardiglaciature et à l'Holocène, à Paris (France), d'après l'étude des malacofaunes. Quaternaire, 22 (4), 327-344. |
| 4111 | Paris (Héliport Farman, malacosome PHF-3 in Granai et al., 2011) | Paris | France | | 48.834218 | 2.270451 | 2 | Younger Dryas | 0.0129 | 0.0115 | Pleistocene | Grani, S., Lamondin-Lozouet, N., Chauvet, C. 2011. Evolution paléoenvironnementale de la vallée de la Seine à Tardiglaciature et à l'Holocène, à Paris (France), d'après l'étude des malacofaunes. Quaternaire, 22 (4), 327-344. |
| 4108 | Paris (Héliport Farman, malacosome PHF-T in Granai et al., 2011) | Paris | France | | 48.834218 | 2.270451 | 2 | Younger Dryas | 0.0129 | 0.0115 | Pleistocene | Grani, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5258 | Pašyna (Pašina 1 and 2) | Pašyna | Belarus | | 54.550735 | 30.483289 | 2 | Holocene | 0.0117 | 0 | Holocene | Kontopoulos, N., Zelihida, A. 1992. Upper Pliocene lacustrine environments in the intramontane Rio graben basin, NW Peloponnesus, Greece. Neues Jahrbuch für Geologie und Paläontologie, Monatshefte, 2, 102-114. |
| 1497 | Patras | Patras | Greece | | 38.246539 | 21.734705 | 3 | Pleistocene | 2.588 | 1.806 | Pleistocene | Jahrbuch für Geologie und Paläontologie, Monatshefte, 2, 102-114. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Sedigraphic age | Age, lower boundary | Age, upper boundary | Epoch | | Reference |
|------|--|---------------------|--------------------|--|-----------|-----------|----------------------|---|---------------------|---------------------|-------------|---|-----------|
| 4830 | Peklewo (faunal list, locality 21 in Alexandrowicz and Alexandrowicz, 2010) | Peklewo | Poland | | 54.291372 | 19.465086 | | 2 Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Polonae</i> , 80, 69-87. | |
| 5857 | Pelleautier (samples from Vb) | Pelleautier | France | La Motte-qui-Tremble peat bog | 44.51415 | 6.00806 | | 2 Late Glacial to Holocene | 0.0147 | 0 | Holocene | Chauvet, L. 1983. Paléoenvironnement tardiglaciaire et holocène des lacs de Pelleautier et Sigourn (Hautes-Alpes, France) III. les faunes malacologiques. <i>Annales de la Société Géologique de France</i> , 117, 41-47. | |
| 4150 | Peratschitzan (at Küllendorf, station 115 in Frank, 2006) | Peratschitzan | Austria | | 46.616667 | 14.6 | | 2 Postglacial | 0.01 | 0.005 | Holocene | Frank, C. 2006. Plio-pleistocene und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 5265 | Perevoz | Belarus | | | 55.044923 | 30.232974 | | 2 Holocene | 0.0117 | 0 | Holocene | Sankov, A.F. 2008. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |
| 2704 | Pescara (Case Piccetto, palaeosol CA) | Pescara | Italy | | 42.250992 | 13.916903 | | 1.048 Ma | 0.48 | 0.48 | Pleistocene | Marcolini, F., Bagarza, G., Bonadonna, F.P., Costantini, E., Cimini, R., Zanchetta, G. 2003. Tephrochronology and tephrostratigraphy of two paleoceanographic continental fossiliferous successions from central Italy. <i>Journal of Quaternary Science</i> , 18 (6), 545-556. | |
| 4494 | Peterborough (Overton Waterville) | Peterborough | United Kingdom | | 52.552434 | -0.283599 | | 2 Woodston | 0.42 | 0.38 | Pleistocene | Kornacki, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. <i>Proceedings of the Geologists' Association</i> , 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X | |
| 4495 | Peterborough (Woodston-Pleistocene Gravels and the Buried Channel in Kennard and Woodward, 1922, Hicks section 86, Peterborough Type and L in Horton et al., 1992) | Peterborough | United Kingdom | | 52.56399 | -0.246203 | | 2 MIS11 | 0.42 | 0.38 | Pleistocene | Penkman, K., Collins, M., Keay, D., Prece, R. 2008. British Aggregates: An Improved Chronology Using Amino Acid Racemization and Degradation of Intracrystalline Amino Acids (kPD). <i>Scientific Data Report</i> , English Heritage Research Department, 1-64. | |
| 4154 | Petronell-Carnuntum (Auxiliarcastell, Zivilstadt, Heidentor stations 17-20 in Frank, 2006) | Petronell-Carnuntum | Austria | | 48.114722 | 16.868889 | | older than Eemian | 0.0019 | 0.0015 | Holocene | Frank, C. 2006. Plio-pleistocene und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 5279 | Petrovavkovka | Petropavovka | Russian Federation | | 50.080968 | 40.878809 | | 2 Interglacial | 0.781 | 0.41 | Pleistocene | Sankov, A.F. 2008. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |
| 2984 | Pföhren | Pföhren | Germany | | 47.939595 | 8.548006 | | 3 (Holocene) | 0.0117 | 0 | Holocene | Geyer, D. 1913. Über die in Niedersachsen während des Quartärs erloschenen Mollusken. <i>Jahresbericht und Mitteilungen des Oberhessischen geologischen Vereins</i> , Neue Folge, 3 (2), 32-54. | |
| 3115 | Pfullingen (C17, SE exit of the city in Geyer, 1915, p.79) | Pfullingen | Germany | | 48.46693 | 9.229341 | | 2 Jüngere Kalktuffe | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. | |
| 5634 | Philippi (Tentaji Philippi, all depths, 101 to 211 m) | Philippi | Greece | | 40.956713 | 24.262728 | | 3 (Quaternary) | 1.4 | 0.542 | Pleistocene | Böhlke, H. 1987. Limische Mollusken aus dem Quattro Makarofia. <i>Zoologische Mededelingen</i> , 61 (8), 113-121. | |
| 2735 | Piñamico (Piñamico Formation-BVC [Layers A,B]) | Piñamico | Italy | | 45.8125 | 10.049444 | | 1 Alluvial | 0.781 | 0.46 | Pleistocene | Edu, D., Giandoli, D. 2008. The occurrence of the genus <i>Tanysia</i> Servian (Mollusca, Gastropoda, Hydrobiidae) in the Middle Pleistocene Piñamico-Sellere Basin (Bergamo, Northern Italy). <i>Quaternary International</i> , 190, 4-9. | |
| 2759 | Piñamico (Piñamico Formation-MLP [Layers C,D,E]) | Piñamico | Italy | | 45.8125 | 10.049444 | | 1 Alluvial | 0.781 | 0.46 | Pleistocene | Edu, D. 2008. A new species of <i>Tanysia</i> Servian (Gastropoda, Hydrobiidae) from the Early Pleistocene of Emilia-Romagna (Northern Italy). <i>Bullettino della Società Paleontologica Italiana</i> , 47 (1), 45-49. | |
| 5266 | Pieski | Pieski | Belarus | | 53.350423 | 24.629682 | | 2 Holocene | 0.0117 | 0 | Holocene | Sankov, A.F. 2008. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |
| 1521 | Pietrafitta | Pietrafitta | Italy | | 42.991182 | 12.215466 | | 2 fauna (late) | 1.4 | 1.1 | Pleistocene | Bizzi, R., Baldanza, A. 2009. Plio-Pleistocene deltaic deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relations with the South Chiana Valley fluvial deposits. <i>Quaternary International</i> , 22 (2), 127-138. | |
| 1522 | Pils (faunal list, fig 2 in Alexandrowicz and Alexandrowicz, 2010 and samples Pil to Pil3 in Alexandrowicz, W.P., 2008) | Pils | Poland | | 53.151725 | 16.694581 | | 2 Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Polonae</i> , 80, 69-87. | |
| 1529 | Pirajoux (Les Bordes) | Pirajoux | France | Les Bordes-Pirajoux (Ain) | 46.392174 | 5.267512 | | 2 MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision | |
| 3782 | Pivniv (4 km S of Kotlovina) | Pivniv | Ukraine | Barta | 45.40011 | 28.58097 | | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Macravici, N. 1940. Recherches géologiques et paléontologiques dans la Bessarabie méridionale (Roumanie). <i>Annales scientifiques de l'Université de Bucarest, Géologie</i> , Fasc. 36, 1 (1), 177-422. | |
| 5296 | Plebarskoye | Plebarskoye | Belarus | Plebarskoye | 53.822225 | 23.827437 | | 2 Holocene | 0.0117 | 0 | Holocene | Sankov, A.F. 2008. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |
| 3923 | Phasyl (locality 6A in Alexandrowicz, 1988) | Phasyl | Poland | | 49.562589 | 20.587291 | | 2 0.036-0.027 Ma | 0.036 | 0.027 | Pleistocene | Alexandrowicz, S.W. 1988. Mollusca of Late Quaternary loess-like deposits in the Polish Carpathians. <i>Acta Geologica Polonica</i> , 38, 85-106. | |
| 2944 | Pocking (pastures of Tutting) | Pocking | Germany | | 48.353253 | 13.248624 | | 2 Interglacial | 0.125 | 0.115 | Pleistocene | Nathan, H. 1931. Eine zwischenseitliche Mollusken-Fauna aus Südbayern. <i>Abhandlungen der Geologischen Landesuntersuchung des Bayerischen Oberbergamtes</i> , 3, 29-31. | |
| 3944 | Podgrobki (horizons VL, VIII, IXa) | Podgrobki | Poland | | 51.293766 | 23.104734 | | 2 Szczecin Stadial to Brzezno | 0.115 | 0.061 | Pleistocene | Mojski, J.E., Rzezowski, J. 1969. Pleistocene okolic Podgrobkiego na Polesiu Lubelskim. <i>Buletyn Państwowego Instytutu Geologicznego</i> , 220 (12-13). | |
| 5506 | Podgorzie | Podgorzie | Poland | | 50.012695 | 21.349541 | | 2 Preboreal to Boreal | 0.0115 | 0.009 | Holocene | Alexandrowicz, S.W. 1980. Wczesnolodowcowe zespoły mięczaków z Podgrodzia nad Wisłą. <i>Annales de la société géologique de Pologne</i> , 50 (3-4), 391-408. | |
| 5348 | Podesedice (site F in table 7 in Ložek, 1964) | Podesedice | Czech Republic | | 50.471117 | 13.949532 | | 2 middle Pleistocene | 0.781 | 0.126 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. <i>Rozpravy Ústředního Ustavu Geologického</i> , 31, 1-374. | |
| 3251 | Poggio Catino | Poggio Catino | Italy | | 42.295443 | 12.692128 | | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna del Plio-Pleistocene dell'Italia centrale. <i>I. Palaeogeografia. Geologia Romana</i> , 13, 203-294. | |
| 1540 | Poggio Mirteto | Poggio Mirteto | Italy | Valli Sabine | 42.266113 | 12.68778 | | 2 late Villafranchian | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. <i>I. Palaeogeografia. Geologia Romana</i> , 13, 203-294. | |
| 1541 | Pokweschi | Pokweschi | Georgia | Patkewchi (Suchum, W-Kaukasus); Pakweschi at River Galisga (Suchum, W-Kaukasus); Pakweschi | 42.79571 | 43.75228 | | 2 Karakalik | 1.62 | 1.62 | Pleistocene | Krestovnikov, V.N. 1931. Fossils of the Kulinuk beds. In: Archangelsky, A.D., Davatashvili, L.S. (eds) Characteristic fossils of the oil districts of the Caucasus. <i>Ital. Rivista Italiana di Paleontologia e Stratigrafia</i> , 10, 517-530. | |
| 5310 | Pohozewo (figure 25 in Proszynski, 1952) | Pohozewo | Ukraine | Poltzhevye | 51.249088 | 23.941509 | | 2 Pleistocene | 1.806 | 0.0117 | Pleistocene | Proszynski, M. 1952. Spottedzenna geologiczna z Dorzecza Bugu. <i>Buletyn Państwowego Instytutu Geologicznego</i> , 65 (1), 313-364. | |
| 1547 | Pont-de-Vaux | Pont-de-Vaux | France | | 46.4217 | 4.94012 | | 2 MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision | |
| 3723 | Pontina (boreholes MG47 and 2M47) | Pontina | Italy | | 41.434905 | 13.071497 | | middle Pleistocene to beginning of Last Glacial | 0.781 | 0.115 | Pleistocene | Barbieri, M., et al. 1999. Multidisciplinary study of Middle-Upper Pleistocene deposits in a core from the Piana Pontina (Central Italy). <i>Giornale di Geologia</i> , Serie 3a, 61, 47-73. | |
| 4367 | Portaferry (Ballyfender, 3 miles N of Portaferry) | Portaferry | United Kingdom | Ballyfenderagh | 54.42678 | -5.517979 | | 2 post-Pliocene | 1.806 | 0 | Pleistocene | Kennard, A.S., Woodward, B.B. 1917. The Post-Pleistocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(78)80015-0 | |
| 4390 | Portumna (foundations of the Portumna bridge) | Portumna | Ireland | | 53.091656 | -8.196308 | | 2 post-Pliocene | 1.806 | 0 | Pleistocene | Woodward, B.B. 1917. The Post-Pleistocene non-marine Mollusca of Ireland. <i>Proceedings of the Geologists' Association</i> , 28 (3), 109-190. DOI: 10.1016/S0016-7878(78)80015-0 | |
| 4634 | Postdam | Postdam | Germany | Werder | 52.368871 | 12.933251 | | 2 Eemian | 0.125 | 0.115 | Pleistocene | van Reperen Altena, C.O. 1957. Pleistocene Mollusca. In: The excavation at Velsen. <i>Verhandelungen van het Koninklijk Nederlands Geologisch-Mijnbouwkundig Genootschap</i> , Geologische Serie, 17, 121-138. | |
| 1555 | Postwick | Postwick | United Kingdom | | 52.619504 | 1.390625 | | 2 Gelasian | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. <i>Gastropoda extrazonaria teraria</i> . W. Junk, Berlin. | |
| 1557 | Pouilly-sur-Saône | Pouilly-sur-Saône | France | Pouilly (Côte d'Or) | 47.01623 | 5.12114 | | 2 MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision | |
| 4220 | Poznań (1.5 km N of the city center, Johannishthal and 2 km south) | Poznań | Poland | Pozen | 52.407138 | 16.943693 | | 3 late Pleistocene | 0.126 | 0.0117 | Pleistocene | Krestovnikov, M. 1952. Spottedzenna geologiczna z Dorzecza Bugu. <i>Buletyn Państwowego Instytutu Geologicznego</i> , 65 (1), 313-364. | |
| 5285 | Poznań (Biedrusko, boring 5) | Poznań | Poland | | 52.541147 | 16.947388 | | 2 Eemian | 0.125 | 0.115 | Pleistocene | Skompski, S. 1994. Quaternary geology near Oborniki, Central Great Poland Lowland, with references to palaeontological data. <i>Folia Quaternaria</i> , 6 (1), 1-10. | |
| 4815 | Poznań (Szczek, faunal list, in Alexandrowicz and Alexandrowicz, 2010) | Poznań | Poland | Pozen | 52.428631 | 16.950641 | | 2 Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Polonae</i> , 80, 69-87. | |
| 4816 | Poznań Winiary, faunal list, in Alexandrowicz and Alexandrowicz, 2010) | Poznań | Poland | | 52.435741 | 16.910641 | | 2 Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. <i>Annales Societatis Geologorum Polonae</i> , 80, 69-87. | |
| 5356 | Prague (Suchdol Kozi hřibety, site A in table 10 in Ložek, 1964) | Prague | Czech Republic | | 50.13058 | 14.385954 | | 2 early Pleistocene (old boundaries) | 1.806 | 0.781 | Pleistocene | Ložek, V. 1964. Quartärmollusken des Tschechoslowakei. <i>Rozpravy Ústředního Ustavu Geologického</i> , 31, 1-374. | |
| 3969 | Prague (Tiché údolí valley) | Prague | Czech Republic | | 50.148333 | 14.374444 | | 2 Atlantic to Subatlantic | 0.008 | 0 | Holocene | Ložek, V. 1968. Nachzürcherische Molluskenfaunenlage in der Aue des Tiché údolí bei Prag (CSSR). <i>Matakologische Abhandlungen</i> , 13 (12), 109-117. | |
| 5352 | Pregnay (between Chambéry and Vengeron, station 4 in Favre, 1935) | Pregnay | Switzerland | | 46.245605 | 6.152502 | | 2 Postglacial | 0.01 | 0.003 | Holocene | Favre, J. 1935. Etudes sur la partie occidentale du lac de Genève. II Histoire malacologique du lac de Genève. <i>Mémoires de la Société de Physique et d'Histoire Naturelle de Genève</i> , 41 (3), 295-314. | |
| 5352 | Pregnay (Reposoir, station 2 in Favre, 1935) | Pregnay | Switzerland | | 46.233968 | 6.150443 | | 2 Postglacial | 0.01 | 0.003 | Holocene | Favre, J. 1935. Etudes sur la partie occidentale du lac de Genève. II Histoire malacologique du lac de Genève. <i>Mémoires de la Société de Physique et d'Histoire Naturelle de Genève</i> , 41 (3), 295-314. | |
| 4146 | Prellenkirchen (station 121 in Frank, 2006) | Prellenkirchen | Austria | | 48.063056 | 17.006111 | | 2 early Holocene | 0.0117 | 0.0078 | Holocene | Frank, C. 2006. Plio-pleistocene und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. | |
| 5161 | Preobrazhenije | Preobrazhenije | Russian Federation | | 52.702579 | 41.475175 | | 3 Interglacial | 0.781 | 0.41 | Pleistocene | Sankov, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |
| 5708 | Přerov (surroundings of the city) | Přerov | Czech Republic | Přerov, Přerov | 49.455588 | 17.45034 | | 2 Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Razbáč, A. 1888. Neue Conchylien aus dem malischen Pliocene. <i>Verehandlungen der Kaiserlich-Königlichen Geologischen Reichsanstalt</i> , 16, 307-308. | |
| 5357 | Přezletice (site B in table 10 in Ložek, 1964) | Přezletice | Czech Republic | | 50.154305 | 14.575565 | | 2 (old boundaries) | 1.806 | 0.781 | Pleistocene | Ložek, V. 1964. Quartärmollusken des Tschechoslowakei. <i>Rozpravy Ústředního Ustavu Geologického</i> , 31, 1-374. | |
| 5291 | Přidněprovje (Kobeljaki - Přidněprovje) | Přidněprovje | Belarus | Kobeljaki, Přidněprovje | 54.557321 | 30.471219 | | 2 Pliozero glacial | 0.115 | 0.0117 | Pleistocene | Sankov, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |
| 5095 | Priego | Priego | Spain | | 40.447254 | -2.31532 | | 2 Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Provenzano, M.C. 1971. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. | |
| 5307 | Prisno | Prisno | Belarus | | 52.667171 | 30.979702 | | 2 Holocene | 0.0117 | 0 | Holocene | Sankov, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|-----------------------|----------------|--|-----------|-----------|---|-------------------|---------------------|---------------------|-------------|--|
| 3724 | Prysyashne | Prysyashne | Ukraine | Prisivashnoye | 45.35433 | 35.01764 | 2Gorian | | 1.62 | 0.7 | Pleistocene | Gorzhik, P.-F., Darenko, I.N. 2007. Preznavodystye Molusky pozdnego kainozoya yuga Bostochnyy Yevropy. Chast' II. Natsionalnaya Akademiya Nauk Ukrayiny, Institut Geologicheskikh Nauk, Kiev. |
| 3915 | Przasnysz (Zwierzyniec) | Przasnysz | Poland | | 53.105729 | 21.132409 | Mazovian Interglacial 2 (Mazovian I) | | 0.41 | 0.38 | Pleistocene | Skompski, S. 1989a. Molluscs and ostracoda fauna of selected sites of the Mazovian Interglacial in Poland. <i>Kwartalnik Geologiczny</i> , 33 (3/4), 495-524. |
| 3937 | Psary (Po-western part of the village) | Psary | Poland | | 50.17178 | 19.532307 | | 2.0084-0.0032 Ma | 0.0084 | 0.0032 | Holocene | Alexandrowicz, S.W. 1983. Malacofauna of Holocene calcareous sediments of the Cracow Upland. <i>Acta Geologica Polonica</i> , 33, 117-158. |
| 5106 | Pisch' I and 2, Pisch valley, Pt1 to Pt11 in Alexandrowicz and Sanko, 1997 | Pisch' | Belarus | Pisch', Peč, Pišč | 53.789533 | 27.438598 | Late Glacial to Middle Holocene | | 0.0147 | 0.00585 | Holocene | Alexandrowicz, W.P., Sanko, A.F. 1997. Malacofauna and calcareous deposits in the Pisch valley (Miński Upland, Belarus). <i>Folia Quaternaria</i> , 68, 101-214. |
| 5079 | Paçol | Paçol | Spain | Pazol | 39.614289 | -0.299835 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Almagro Marcos, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. |
| 3304 | Puianello (Crostolo river, between Rivallella bridge and Botteghe) | Puianello | Italy | | 44.618394 | 10.559857 | 2 late Villafranchian | | 2 | 1.1 | Pleistocene | Crispino, P., Esu, D. 1996. Non-marine Late Villafranchian molluscs of the Crostolo river (Emilia, Northern Italy). Systematics and Paleoecology. <i>Boletín della Società Paleontologica Italiana</i> , 34 (3), 283-300. |
| 1566 | Pulciano | Pulciano | Italy | Pulciano (Firenze) | 43.640268 | 11.569111 | 2 Villafranchian | | 3.5 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 3193 | Pylí (samples K101, K120 in Willmann, 1981) | Pylí | Greece | Pylle; Pyli; Pylí | 36.844598 | 27.126102 | Stefanena Formation (early Pleistocene) | | 2 | 2 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Sübwassergastropoden von Rhodos und Kos/Agäis. <i>Palaearctographica Abt. A</i> , 174, 10-235. |
| 3195 | Pylí (samples K22-23 in Willmann, 1981) | Pylí | Greece | Pylle; Pylí; Pylí | 36.834226 | 27.134771 | Stefanena Formation (early Pleistocene) | | 2 | 2 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Sübwassergastropoden von Rhodos und Kos/Agäis. <i>Palaearctographica Abt. A</i> , 174, 10-235. |
| 3196 | Pylí (samples K98, K99-100 in Willmann, 1981) | Pylí | Greece | Pylle; Pylí; Pylí | 36.839515 | 27.124887 | Tati Formation (early Pleistocene) | | 2 | 1.6 | Pleistocene | Willmann, R. 1981. Evolution, Systematik und stratigraphische Bedeutung der neogenen Sübwassergastropoden von Rhodos und Kos/Agäis. <i>Palaearctographica Abt. A</i> , 174, 10-235. |
| 140 | Pyrros | Pyrros | Greece | | 37.67268 | 21.441879 | 3Gelasian | | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (West Peloponnesus), Greece. <i>Annales Géologiques des Pays Helléniques</i> , 28, 299-333. |
| 141 | Pyrros (Romésion) | Pyrros | Greece | Romezi; Rómezi | 37.73333 | 21.466667 | 3Gelasian | | 2.588 | 1.806 | Pleistocene | Hagemann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (West Peloponnesus), Greece. <i>Annales Géologiques des Pays Helléniques</i> , 28, 299-333. |
| 4065 | Pyrzycze (N of Brzesko) | Pyrzycze | Poland | | 53.138244 | 15.007744 | 2H Holocene | | 0.0117 | 0 | Holocene | Kowalewski, A., Berger, L. 1966. Zasobnosciemiet paleomakrologicznej do badan nad rozwojem gleb w holocenie. <i>Folia Quaternaria</i> , 23, 1-27. |
| 2399 | Qızlaş | Qızlaş | Azerbaijan | Kyzyl-Tepe (Turkmenistan?); Gızlaş; Kyzyl-Dash | 40.30833 | 49.59861 | 2Aphesonian | | 2.15 | 0.9 | Pleistocene | Andrusov, N. 1923. Apsheronijskij yaruz. <i>Trudy Geologicheskogo Komiteta, novaya seriya</i> , 110, 1-294. |
| 5844 | Quincey (levels 2 bis, 2 and 1bis) | Quincey | France | | 47.111234 | 4.973087 | 2Wirm III to 2Lasaux | | 0.028 | 0.01663 | Pleistocene | Puisségur, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. |
| 5515 | Rabka (profile L-002C) | Rabka | Poland | | 54.753624 | 17.508431 | 2Ma | | 0.01066 | 0.003645 | Holocene | Ronićki, K., Aleksandrowicz, S.W., Pazaru, A., Goslar, T., Borówka, R.K. 2009. Stages of the formation of the Leba harbor-lagoon system on the basis of the geological cross-section near Rabka (Southern Baltic coast, Poland). <i>Studia Quaternaria</i> , 26, 3-24. |
| 5577 | Radzików | Radzików | Poland | | 52.148845 | 22.505617 | late Glacial to 2H Holocene | | 0.0147 | 0.0078 | Holocene | Dobrowski, R., et al. 2012. Interdisciplinary studies of spring mine deposits from Radzików (South Podlasie Lowland, East Poland) and their potential for paleoenvironmental reconstructions. <i>Geoströmica</i> , 39 (1), 10-29. |
| 5587 | Rain (outcrop 4, 1 km N of Münster) | Rain | Germany | | 48.640238 | 10.899465 | 2Wirm | | 0.125 | 0.0117 | Pleistocene | Tülfmanns, W., MK, Brummacker, K., Löschner, M. 1982. Die Rainer Hochterrasse zwischen Lech und Donau. <i>Jahresberichte und Mitteilungen des Oberbayerischen geologischen Vereins</i> . <i>Neue Folge</i> , 64, 79-99. |
| 5093 | Rambla de Tobarrillas (Tobarrillas) | Rambla de Tobarrillas | Spain | | 38.718709 | -1.170345 | Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Madurga Marco, M.C. 1973. Los gasterópodos dulceacuícolos y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. |
| 3123 | Rammingen (C32. Bahnhof Ulm-Heidenheim in Geyer, 1915, p.93) | Rammingen | Germany | Rammingen (Württ.) | 48.512645 | 10.189890 | 2Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Geyer, 1915. Die Mollusken der schwäbischen Kalktuffe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. |
| 2766 | Ranica (Fornaci di Ranica-RNC 99 [S1658]) | Ranica | Italy | | 45.789402 | 9.674483 | late Early Pleistocene (old boundaries) | | 1.383 | 0.781 | Pleistocene | Gianolla, D. 2011. Malacofauna fossile rinvenuta nel bacino di Fornaci di Ranica (Bergamo, Pleistocene Inferiore). <i>La Rivista del Museo Civico di Scienze Naturali Enrico Caffi</i> , 25, 3-18. |
| 2765 | Ranica (Fornaci di Ranica-S.1654 [scavo 98]) | Ranica | Italy | | 45.78873 | 9.672717 | late Early Pleistocene (old boundaries) | | 1.383 | 0.781 | Pleistocene | Gianolla, D. 2011. Malacofauna fossile rinvenuta nel bacino di Fornaci di Ranica (Bergamo, Pleistocene Inferiore). <i>La Rivista del Museo Civico di Scienze Naturali Enrico Caffi</i> , 25, 3-18. |
| 2764 | Ranica (Fornaci di Ranica-Sezione H [scavo 87]) | Ranica | Italy | | 45.790395 | 9.671992 | late Early Pleistocene (old boundaries) | | 1.383 | 0.781 | Pleistocene | Gianolla, D. 2011. Malacofauna fossile rinvenuta nel bacino di Fornaci di Ranica (Bergamo, Pleistocene Inferiore). <i>La Rivista del Museo Civico di Scienze Naturali Enrico Caffi</i> , 25, 3-18. |
| 5887 | Ratoath (Ratoath Bog Zone II and IV) | Ratoath | Ireland | | 53.501123 | -6.502475 | Late Glacial to 2 early Postglacial | | 0.0147 | 0.007 | Holocene | Minchin, Q. 1986. Molluscs in Irish Quaternary Deposits. No. 2 - Some lacustrine deposits near Ratoath, Co. Meath. <i>Proceedings of the Royal Irish Academy</i> , B, 86, 173-182. |
| 4140 | Ratzersdorf (station 125 in Frank, 2006) | Ratzersdorf | Austria | | 48.3 | 15.566667 | 1Holocene | | 0.0117 | 0 | Holocene | Frank, C. 2006. Biostratigraphie und holozäne Mollusken Österreichs. <i>Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften</i> , 62, Wien. |
| 3122 | Ravensburg (C33. SE exit in Geyer, 1915, p.95-96) | Ravensburg | Germany | | 47.761088 | 9.625733 | 2Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Geyer, 1915. Die Mollusken der schwäbischen Kalktuffe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. |
| 3070 | Regensburg (Oberalling 9 km SW Regensburg, no 4 in Dehm, 1967) | Regensburg | Germany | | 48.949081 | 11.98211 | 2Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus radicans im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 7, 135-152. |
| 2799 | Renginion | Renginion | Greece | Regkiní | 38.718638 | 22.711774 | 2Aphesonian | | 2.15 | 0.9 | Pleistocene | Gibb, S., Savage, J., Keraden, B. 1979. Etude paléontologique du plio-péistocène de Locride et d'Eubée occidentale (Grèce centrale): Mollusques et coquilles. <i>Annales Géologiques des Pays Helléniques</i> , 29 (2), 554-580. |
| 3776 | Reni (Quaternary) | Reni | Ukraine | Skortelsky | 45.450859 | 28.283272 | Quaternary (old boundaries) | | 1.806 | 0 | Pleistocene | Măruță, N. 1940. Recherches géologiques et paléontologiques dans la Bessarabie méridionale (Roumanie). <i>Annales scientifiques de l'Université de Jassy</i> , 36 (11), 177-422. |
| 2412 | Reni (Skorzelski ravine, Apsheronian) | Reni | Ukraine | Skortelsky | 45.450859 | 28.283272 | 3late Aphesonian | | 1.62 | 0.9 | Pleistocene | Pavlov, A.P. 1925. Dépôts néogènes et quaternaires de l'Europe méridionale et orientale. Stratigraphie comparée des couches d'eau douce. <i>Mém. Sect. Géol. Soc. Am. Uniones Nat. Anthropol., Ethnogr.</i> , 5, 1-215. |
| 2983 | Reutlingen (Echatal) | Reutlingen | Germany | Echaz valley | 48.529082 | 9.135011 | 3(Holocene) | | 0.0117 | 0 | Holocene | Geyer, D. 1913. Über die in Niederschwaben während des Quartärs erschienenen Mollusken. <i>Jahresberichte und Mitteilungen des Oberbayerischen geologischen Vereines</i> . <i>Neue Folge</i> , 3 (2), 32-54. |
| 5735 | Rhenen (Leccius De Rader, clay layers II and IV) | Rhenen | Netherlands | | 51.951588 | 5.594288 | 2Saalian | | 0.41 | 0.125 | Pleistocene | Konrad, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. <i>Proceedings of the Geologists' Association</i> , 33 (2), 104-142. DOI: 10.1016/S0016-7878(22)80002-X. |
| 4425 | Rickmansworth (Croxley Moor) | Rickmansworth | United Kingdom | | 51.640579 | -0.461167 | 2Holocene | | 0.0117 | 0 | Holocene | Steuskoff, U. 1938. Neue Beiträge zur Molluskenfauna und Ökologie periglazialer und atlantischer Ablagerungen im Emscher-Lippe-Raume. <i>Archiv für Molluskenkunde</i> , 70 (4), 161-193. |
| 3110 | Riedlingen (C28. Altheim OA. Riedlingen in Geyer, 1915, p.91) | Riedlingen | Germany | | 48.145833 | 9.453188 | 2Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. |
| 5777 | Riedselz (on the road to Ingolsheim) | Riedselz | France | | 48.982099 | 7.940994 | middle Pleistocene | | 0.781 | 0.126 | Pleistocene | FreshGEN team decision |
| 3571 | Riemke (Dornbecker stream, between Herne and Broichum, C in Steudloff, 1938) | Riemke | Germany | | 51.517077 | 7.211428 | 2late Diluvial | | 0.126 | 0.0117 | Pleistocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. |
| 3819 | Rigani | Rigani | Greece | Rigani | 38.583333 | 21.233333 | 2Pleistocene | | 2.588 | 1.806 | Pleistocene | Doutsos, T., Kontopoulos, N., Frydas, D. 1987. Neotectonic evolution of northwestern continental Greece. <i>Geologische Rundschau</i> , 76 (2), 433-450. |
| 1599 | Ripperstroda | Ripperstroda | Germany | | 50.75766 | 10.872399 | 2early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, W. 1923-1930. <i>Fossilien Catalogus A. Animalia: Gastropoda extrazonaria tertiaaria</i> . W. Junk, Berlin. |
| 1597 | Roccantica | Roccantica | Italy | Ponte di Roceantica (Perugia) | 42.320779 | 12.693282 | 2late Villafranchian | | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 4817 | Rogaczevo (faunal list [not complete?], fig 5 in Alexandrowicz and Alexandrowicz, 2010) | Rogaczevo | Poland | | 52.143257 | 16.844578 | 2Eamian | | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eamian Interglacial in Poland. <i>Annales Societatis Geologorum Poloniae</i> , 80, 69-87. |
| 3106 | Rohrdorf (C4. Rohrdorf OA, Nagold in Geyer, 1915, p.66) | Rohrdorf | Germany | | 48.563748 | 8.697746 | 2Jüngere Kalktuffe | | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktuffe. <i>Jahreshefte des Vereins für vaterländische Naturkunde in Württemberg</i> , 71, 55-114. |
| 3253 | Roma (Acquafraversa) | Roma | Italy | | 41.870264 | 12.776842 | 2Calabrian | | 1.806 | 0.781 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 3300 | Roma (Cava Randùl and Cava Sallustri) | Roma | Italy | | 41.873907 | 12.253878 | 2Tyrrhenian | | 0.26 | 0.01143 | Pleistocene | Esu, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. <i>A Survey</i> . <i>Il Quaternario</i> , 4 (1a), 137-150. |
| 1599 | Roma (Farmesina) | Roma | Italy | | 41.940563 | 12.455528 | 2Calabrian | | 1.806 | 0.781 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 3286 | Roma (Fossa di Santa Maria Nuova) | Roma | Italy | | 41.855434 | 12.33593 | middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Esu, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. <i>A Survey</i> . <i>Il Quaternario</i> , 4 (1a), 137-150. |
| 3301 | Roma (Fosso di Malafede, late Pleistocene) | Roma | Italy | | 41.777329 | 12.395496 | 2Eurysthenian | | 0.135 | 0.115 | Pleistocene | Esu, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. <i>A Survey</i> . <i>Il Quaternario</i> , 4 (1a), 137-150. |
| 3284 | Roma (Fosso di Malafede, middle Pleistocene) | Roma | Italy | | 41.777329 | 12.395496 | 2Pleistocene | | 0.781 | 0.46 | Pleistocene | Esu, D., Girotti, O. 1991. Middle Pliocene and Pleistocene assemblages of continental molluscs in Italy. <i>A Survey</i> . <i>Il Quaternario</i> , 4 (1a), 137-150. |
| 3252 | Roma (Magliana, Monte delle Piche) | Roma | Italy | | 41.83464 | 12.42167 | 2Calabrian | | 1.806 | 0.781 | Pleistocene | Grossi, F., Pandolfi, M. 1992. Investigation on the vertebrate remains from Monte delle Piche (Rome, Central Italy). <i>Rendiconti della Società Paleontologica Italiana</i> , 21, 1092-1093. |
| 1600 | Roma (Monte Mario) | Roma | Italy | | 41.923099 | 12.442331 | 2Saonian | | 1.806 | 1.5 | Pleistocene | Pastore, C., Argenti, P., Calza, C., Esu, D., Girotti, O., Sardella, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Latium (Central Italy). <i>Geologica Romana</i> , 36, 369-387. |
| 3289 | Roma (Sedia del Diavolo) | Roma | Italy | | 41.929416 | 12.522746 | 1Pleistocene | | 0.781 | 0.0117 | Pleistocene | Esu, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. <i>A Survey</i> . <i>Il Quaternario</i> , 4 (1a), 137-150. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|-------------------------------|--------------------|---|-----------|-----------|---------------------------------------|-----------------------|---------------------|---------------------|---|--|
| 3289 | Roma (Torripietra, Torre del Pagliaccetto) | Roma | Italy | | 41.929357 | 12.221639 | 2 | Pleistocene | 0.781 | 0.0117 | Pleistocene | Eus, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. II Quaternario, 4 (1a), 137-150. |
| 5891 | Roma (Valle di Castiglione, 0 to 4.5 m) | Roma | Italy | | 41.892458 | 12.711634 | 3 | 0.0142-0 Ma | 0.0142 | 0 | Holocene | Bonadonna, F., Leone, G. 1995. Palaeoclimatological reconstruction using stable isotope data on continental molluscs from Valle Castiglione, Roma, Italy. The Holocene, 5 (4), 461-469. DOI: 10.1177/09596836950050409 |
| 3303 | Roma (Via Flaminia, km 8.2) | Roma | Italy | | 41.951847 | 12.484889 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Eus, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. II Quaternario, 4 (1a), 137-150. |
| 3285 | Roma (Via Portuense, km 11) | Roma | Italy | | 41.828386 | 12.363567 | 2 | Pleistocene | 0.781 | 0.016 | Pleistocene | Eus, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. II Quaternario, 4 (1a), 137-150. |
| 4526 | Roscrea (Fancroft) | Roscrea | Ireland | Fancraft | 52.986019 | -7.794719 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Kerney, M.P. 1957. Early Post-Glacial Deposits in Kinc's County, Ireland, and their Molluscan fauna. Journal of Conchology, 24 (5), 155-164. |
| 4527 | Roscrea (Fosters) | Roscrea | Ireland | Fancraft | 53.001612 | -7.804669 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Kerney, M.P. 1957. Early Post-Glacial Deposits in Kinc's County, Ireland, and their Molluscan fauna. Journal of Conchology, 24 (5), 155-164. |
| 4528 | Roscrea (Grange Grove) | Roscrea | Ireland | Fancraft | 52.979588 | -7.819058 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Kerney, M.P. 1957. Early Post-Glacial Deposits in Kinc's County, Ireland, and their Molluscan fauna. Journal of Conchology, 24 (5), 155-164. |
| 4521 | Roscrea (Midpark) | Roscrea | Ireland | Fancraft | 52.972172 | -7.825142 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Kerney, M.P. 1957. Early Post-Glacial Deposits in Kinc's County, Ireland, and their Molluscan fauna. Journal of Conchology, 24 (5), 155-164. |
| 3071 | Rosenheim (Westendorf SW Rosenheim) | Rosenheim | Germany | | 47.821674 | 12.075514 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dohm, R. 1987. Die Landschafts-Diskuse perspektivisch im Postglazial Südbayerns. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 27, 21-30. |
| 4606 | Rosmalen | Rosmalen | Netherlands | | 51.715337 | 5.361167 | Viviparus glacialis Horizon | 2.2 | 2.2 | 1.7 | Pleistocene | Frenzelthal, M., Meijer, T., van der Meulen, A.J. 1976. Preliminary report on a field campaign in the continental Pleistocene of Tegelen (The Netherlands). Scripta Geologica, 34, 1-27. |
| 3458 | Rossosz (Rossosz) | Rossosz | Poland | | 51.855942 | 23.14683 | 2 | Interglacial | 0.41 | 0.38 | Pleistocene | Albrecht, A., Skompski, S., Pidka, I.A. 1995. Significance of mollusc fauna from Ortel Królewski and Rossosz for the Quaternary Stratigraphy of Podlase (East Poland). Przegląd Geologiczny, 43, 321-330. |
| 3459 | Rossosz (Szczecin) | Rossosz | Poland | | 51.868902 | 23.151531 | 2 | (Masovan I) | 0.41 | 0.38 | Pleistocene | Albrecht, A., Skompski, S., Pidka, I.A. 1995. Significance of mollusc fauna from Ortel Królewski and Rossosz for the Quaternary Stratigraphy of Podlase (East Poland). Przegląd Geologiczny, 43, 321-330. |
| 2986 | Rotenburg (outcrop on the east-ring road) | Rotenburg | Germany | | 48.486375 | 8.949514 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Bibus, E., Röhle, W. 1986. Geopetrologische Lage, Decksichten und Molluskenführung letztingerziaglaziale Hochflutlinie im Neckartal (Baden-Württemberg). Bibus, E., Röhle, W. 1986. Geopetrologische Lage, Decksichten und Molluskenführung letztingerziaglaziale Hochflutlinie im Neckartal (Baden-Württemberg). |
| 2856 | Rottweil (Charlottenwälde) | Rottweil | Germany | | 48.158565 | 8.614281 | early Pleistocene (old boundaries) | 1.806 | 0.781 | Pleistocene | Münzing, K., Ohnert, W. 1974. Mollusken aus dem älteren Pleistozän Schwabens. Jahresthefte des Geologischen Landesamtes Baden-Württemberg, 16, 61-78. | |
| 2857 | Rottweil (Krummer weg-illste Neckarschotter in Münzling, 1968) | Rottweil | Germany | | 48.15679 | 8.623465 | early Pleistocene (old boundaries) | 1.806 | 0.781 | Pleistocene | Münzing, K., Ohnert, W. 1974. Mollusken aus dem älteren Pleistozän Schwabens. Jahresthefte des Geologischen Landesamtes Baden-Württemberg, 16, 61-78. | |
| 5699 | Roudná | Roudná | Czech Republic | Rosenheim | 49.600719 | 16.533205 | 2 | Interglacial | 0.781 | 0.126 | Pleistocene | Potrbok, J. 1940b. The Molluscs of the Bohemian Quaternary, Spissane na Balzskoto Geologiskeho Drushtveno, 11, 132-144. |
| 5012 | Ruse (Kola, Litarenin-suhborek, 14 in Petrök, 1940a) | Ruse | Bulgaria | Ruse, Rustschuk | 43.808738 | 25.940508 | 2 | Subboreal | 0.0056 | 0.0028 | Holocene | Potrbok, J. 1940b. The Molluscs of the Bulgarian Quaternary, Spissane na Balzskoto Geologiskeho Drushtveno, 11, 132-144. |
| 5013 | Ruse (not horizontated Holocene, 14 in Petrök, 1940a) | Ruse | Bulgaria | Ruse, Rustschuk | 43.808738 | 25.940508 | 2 | Holocene | 0.0117 | 0 | Holocene | Potrbok, J. 1940b. The Molluscs of the Bulgarian Quaternary, Spissane na Balzskoto Geologiskeho Drushtveno, 11, 132-144. |
| 5014 | Ruse (not horizontated, Lom and Danube shore, opposite of Giurgiu) | Ruse | Bulgaria | Ruse, Giurgiu, Rustschuk | 43.865316 | 25.979865 | 2 | Holocene | 0.0117 | 0 | Holocene | Potrbok, J. 1940b. Zur Kenntnis der quartären Mollusken von Bulgarien, Archiv für Molluskenkunde, 72 (5/6), 151-157. |
| 5017 | Ruse (untere Donau-Terasse) | Ruse | Bulgaria | Ruse, Giurgiu | 43.865316 | 25.979865 | Pleistocene (old boundaries) | 1.806 | 0.0117 | Pleistocene | Potrbok, J. 1940b. Zur Kenntnis der quartären Mollusken von Bulgarien, Archiv für Molluskenkunde, 72 (5/6), 151-157. | |
| 4824 | Ruszkówek (faunal list [not complete], page 78 in Alexandrowicz and Alexandrowicz, 2010) | Ruszkówek | Poland | | 52.412741 | 18.439697 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluses of the Eemian Interglacial in Poland. Annales Societatis Geologorum Poloniae, 80, 69-87. |
| 3898 | Rybitywy (close to the SW shore of the Lake Lednica, about 300 metres S of the village Rybitywy, samples 1-17, table 3, in Apolinarska and Czuszewka, 2006) | Rybitywy | Poland | | 52.529343 | 17.369627 | late Glacial to beginning of Holocene | 0.0147 | 0.01 | Pleistocene | Apolinarska, K., Czuszewka, M. 2006. Late Glacial and Holocene lacustrine molluscs from Wielkopolska (central Poland) and their environmental significance. Acta Geologica Polonica, 56 (1), 51-66. | |
| 3899 | Rybitywy (close to the SW shore of the Lake Lednica, about 300 metres S of the village Rybitywy, samples 18-28, table 3, in Apolinarska and Czuszewka, 2006) | Rybitywy | Poland | | 52.529343 | 17.369627 | 2 | Preforear to Boreal | 0.0115 | 0.008 | Holocene | Apolinarska, K., Czuszewka, M. 2006. Late Glacial and Holocene lacustrine molluscs from Wielkopolska (central Poland) and their environmental significance. Acta Geologica Polonica, 56 (1), 51-66. |
| 2349 | Sabuñu | Sabuñu | Azerbaijan | Sabunchu | 40.43336 | 49.950027 | 2 | Apheronian | 2.15 | 0.9 | Pleistocene | Andrusov, N. 1923. Apheronius varus. Trudy Geologicheskogo Komiteta, novaya seriya, 110, 1-294. |
| 1611 | Saint-Antour | Saint-Antour | France | | 46.43638 | 5.34416 | 2 | MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 1618 | Saint-André-d'Huiriat | Saint-André-d'Huiriat | France | Saint André d'Huiriat (Ain) | 46.21367 | 4.9119 | 2 | MN 17 | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 1501 | Saint-Bernard | Saint-Bernard | France | | 47.15905 | 5.01739 | Baumorian to Wealdian | 1.78 | 1.4 | Pleistocene | Schickl, W.R., Püssiger, J.J. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundinus und Pyrgula nodotiana von Montagny-les-Bonneux (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. | |
| 5842 | Saint-Fraigne (Marais de la Pré, Couture tributary, levels 4 to 24) | Saint-Fraigne | France | | 45.927703 | -0.018034 | Boreal to Subatlantic | 0.009 | 0 | Holocene | Püssiger, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. | |
| 4056 | Saint-Germain-le-Vasson (Boreholes 1, 2 and main section in Limondin-Lozouet and Preece, 2004) | Saint-Germain-le-Vasson | France | | 48.994049 | -0.308174 | 2 | Ma | 0.00979 | 0.004136 | Holocene | Limondin-Lozouet, N., Preece, R.C. 2004. Molluscan successions from the Holocene tufa of St Germain-le-Vasson, Normandy (France) and their biogeographic significance. Journal of Quaternary Science, 19 (1), 55-71. |
| 5850 | Saint-Hilaire-du-Rosier | Saint-Hilaire-du-Rosier | France | | 45.100906 | 5.247329 | Bölling to Subboreal | 0.014 | 0.0028 | Holocene | Mothon, J. 1987. Molluscan faunas from the Tardiglaciational and Holocene of Saint-Hilaire-du-Rosier (Dauphine-France). Revue de Paléobiologie, 6 (2), 257-264. | |
| 156 | Saint-Loup-Géanges (Géanges) | Saint-Loup-Géanges | France | | 46.95864 | 4.911568 | 2 | Calabrian | 1.806 | 0.781 | Pleistocene | Schickl, W.R., Püssiger, J.J. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundinus und Pyrgula nodotiana von Montagny-les-Bonneux (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. |
| 157 | Saint-Loup-Géanges (Saint-Loup-de-La-Salle) | Saint-Loup-Géanges | France | | 46.944286 | 4.909337 | 2 | Calabrian | 1.806 | 0.781 | Pleistocene | Schickl, W.R., Püssiger, J.J. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundinus und Pyrgula nodotiana von Montagny-les-Bonneux (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. |
| 3649 | Saint-Maximin-la-Sainte-Baume (Chemin d'Herbous) | Saint-Maximin-la-Sainte-Baume | France | | 43.466722 | 5.867292 | 2 | 0.0039-0.0038 Ma | 0.0039 | 0.0038 | Holocene | Cliquet, D., et al. 2009. La séquence loessique de Saint-Pierre-les-Elliébou (Normandie, France): nouvelles données archéologiques, géochronologiques et paléontologiques. Quaternaire, 20 (3), 321-343. |
| 4113 | Saint-Pierre-les-Elliébou (tufa sampled in 2004 and after Püssiger in Rousseau et al., 1992) | Saint-Pierre-les-Elliébou | France | | 49.268312 | 1.040347 | 2 | MSI11 | 0.42 | 0.38 | Pleistocene | Eronen, J. 2003. Size development of large mammals during the European Neogene: Trends and some environmental considerations. MSC Thesis, University of Jyväskylä, 141 p. |
| 1657 | Saint-Vallier | Saint-Vallier | France | | 45.17592 | 8.15154 | 2 | MN 17 | 2.5 | 1.8 | Pleistocene | Püssiger, J. 1978. Die Molluskenfauna der Schichten mit Viviparus burgundinus und Pyrgula nodotiana von Montagny-les-Bonneux (Dép. Côte-d'Or). Archiv für Molluskenkunde, 109 (1/3), 1-26. |
| 5807 | Sajęcice | Sajęcice | Poland | | 51.229831 | 23.454465 | 2 | younger series | 1.806 | 0.0117 | Pleistocene | Piasecka, M. 1952. Szwarcnica geologiczna z Dzorcic Bagi. Biuletyn Państwowego Instytutu Geologicznego, 65 (1), 313-364. |
| 2410 | Samara (Volčja Balka) | Samara | Russian Federation | Vallon du Loup; Volčja balka near Samara | 53.232345 | 50.229492 | 4 | early Apskeronian | 2.15 | 1.62 | Pleistocene | Pavlov, A.P. 1925. Dépôts néogéniques et quaternaires de l'Espace méridionale et orientale. Stratigraphie comparée des couches d'eau douce. Mém. Sect. Géol. Soc. Amis Sciences Nat., Anthropol., Ethnogr., 41, 1-25. |
| 3232 | San Gemini (below Cesi, Collestascio) | San Gemini | Italy | Sangemini-Cesi (Collestascio) | 42.609138 | 12.581656 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Eus, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 1665 | San Gemini (Carso) | San Gemini | Italy | Sangemini-Carso | 42.63358 | 12.565438 | 1 | late Villafranchian | 2 | 1.1 | Pleistocene | Eus, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 3231 | San Gemini (near waterworks) | San Gemini | Italy | | 42.612285 | 12.546172 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Eus, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 3236 | San Giovanni Valdarno (Borrassole section) | San Giovanni Valdarno | Italy | Monte Carlo in Val d'Arno (Firenze); Monte Carlo near San Giovanni (Firenze); Montevarchi (Firenze) | 43.554598 | 11.517166 | 1 | 2.4-2.2 Ma | 2.4 | 2.2 | Pleistocene | Ghansasi, M., et al. 2005. Faunes, analyse, stratigraphie et paleontologie (molluscs et verbehaus) in the Upper Pliocene sandy flood-basin deposits of the Upper Vakarla Basin (Northern Apennines). Riv. Ital. Paleont. Stratigr., 111 (3), 467-487. |
| 1668 | San Giovanni Valdarno (Montecarlo section and Poggio ai Frati) | San Giovanni Valdarno | Italy | Monte Carlo in Val d'Arno (Firenze); Monte Carlo near San Giovanni (Firenze) | 43.549139 | 11.530538 | 2 | 2.4-2.2 Ma | 2.4 | 2.2 | Pleistocene | Ghansasi, M., et al. 2005. Faunes, analyse, stratigraphie et paleontologie (molluscs et verbehaus) in the Upper Pliocene sandy flood-basin deposits of the Upper Vakarla Basin (Northern Apennines). Riv. Ital. Paleont. Stratigr., 111 (3), 467-487. |
| 1669 | San Litardo | San Litardo | Italy | San Litardo near Città della Pieve (Perugia) | 42.976615 | 11.987879 | 2 | Gelisian to Calabrian | 2.588 | 0.781 | Pleistocene | Buzzeni, R., Baldan, A. 2009. Plio-Pleistocene deltaic deposits in the Città della Pieve area (Western Umbria, Central Italy): facies analysis and inferred relation with the South China Yellow River deltaic deposits. II. Quaternario, 22 (2), 127-138. |
| 3233 | San Terenziano | San Terenziano | Italy | | 42.86332 | 12.473173 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Eus, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 2990 | Sandomierz (Kamień Piebuski) | Sandomierz | Poland | | 50.683484 | 21.771959 | 2 | Holocene | 0.0117 | 0 | Holocene | FreshGEN team decision |
| 5913 | Sapanica (eastern shore, shells from a beach drift and uprooted lake clays, unnamed lake beds) | Sapanica | Turkey | | 40.715195 | 30.323406 | 1 | Holocene | 0.0117 | 0 | Holocene | Feld collection, 2014b. Naturals Biodiversity Center, Leg. Wesseling, F. (FreshGEN team decision). |
| 5373 | Sareograd (loess profile) | Sareograd | Croatia | | 45.231658 | 19.297008 | 1 | Weichselian | 0.125 | 0.0117 | Pleistocene | Hipzici, J., Mohar, D., Galović, L., Sümezi, P. 2010. Preliminary malacological investigation of the loess profile at Sareograd, Croatia. Central European Journal of Geosciences, 2 (1), 57-63. |
| 3926 | Saspow (Sp-1 km SE of Saspow) | Saspow | Poland | | 50.219976 | 19.773663 | 2 | 0.0075-0.004 Ma | 0.0075 | 0.004 | Holocene | Alexandrowicz, S.W. 1983. Mollacofauna of Holocene calcareous sediments of the Czawoj Upland. Acta Geologica Polonica, 33, 117-158. |
| 3749 | Sassnitz (Niederrsee, M1-M19) | Sassnitz | Germany | | 54.495745 | 13.604836 | 2 | Pleistocene | 0.015 | 0.01 | Pleistocene | Kosler, A., Strahl, J. 2011. The Late Weichselian to Holocene succession of the Niederrsee (Rügen, Baltic Sea) - new results based on multi-proxy studies. Erd. Quat. Sci., 33 (2), 201-216. The Late Weichselian to Holocene succession of the Niederrsee (Rügen, Baltic Sea) - new results based on multi-proxy studies. Erd. Quat. Sci., 33 (2), 201-216. |
| 3752 | Sassnitz (Niederrsee, M21) | Sassnitz | Germany | | 54.495745 | 13.604836 | 2 | Atlantic | 0.008 | 0.0056 | Holocene | Manólfarkó, H., Strahl, J. 2012. Die weichselbuchtglaziale bis holozäne Schichtenfolge des Niederrses (Jasmund, Insel Rügen), Teil 2. |
| 3754 | Sassnitz (Niederrsee, meadow chalk and colluvial soil) | Sassnitz | Germany | | 54.495745 | 13.604836 | 2 | Younger age | 0.008 | 0 | Holocene | Nenadić, D., Gaudényi, T., Bogićević, K., Gulan, Z. 2011. The lower Quaternary boundary in the Southeastern Srem (North Serbia). Bulletin of the Natural History Museum, 4, 23-36. |
| 3357 | Satirinci | Satirinci | Serbia | | 45.064335 | 19.925373 | 2 | Stern Series | 2.588 | 0.126 | Pleistocene | Schröder, R. 1915. Die Conchyliofauna vom Pleistozän bis zur Gegenwart. Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft, 4-5, 97-133, 145-196. |
| 3162 | Sauerlach (Argen) | Sauerlach | Germany | | 47.937705 | 11.645426 | 2 | Pleistocene | 0.0106 | 0.0117 | Pleistocene | Madruga Marco, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. Boletín de la Real Sociedad de Historia Natural, 71, 43-166. |
| 5084 | Sax (Los Balares) | Sax | Spain | | 38.584318 | -0.855502 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Bonennuti, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. |
| 1699 | Scarpa (Bagnone brook) | Scarpa | Italy | Bagnone (Firenze) | 44.005657 | 11.383382 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Bonennuti, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. |
| 1700 | Scarpa (Lissonone brook) | Scarpa | Italy | Levisone (Firenze) | 44.007385 | 11.355565 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Bonennuti, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Molluscan assemblages in the fluvi-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|----------------------------|---|------------|-----------|--|-------------------|---------------------|---------------------|-------------|---|
| 3311 | Scarpa (Lumena) | Scarpa | Italy | | 44.026504 | 11.325982 | 2 late Villafranchian | | 2 | 1.1 | Pleistocene | Bonvenuti, M., Esu, D., Geraci, V., Ghetti, P. 1998. The Moluscan assemblages in the fluvio-lacustrine succession of the Plio-Pleistocene Mugello Basin (Tuscany, Italy). Rivista Italiana di Paleontologia e Stratigrafia, 104 (2), 263-278. |
| 3236 | Schifanoia | Schifanoia | Italy | | 42.459465 | 12.516536 | 2 late Villafranchian | | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 4159 | Schleit (station 135-136 in Frank, 2006) | Schleit | Austria | | 48.566667 | 16.466667 | 2 middle Würm | | 0.069 | 0.025 | Pleistocene | Frank, C. 2006. Plio-pleistozaine und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 2816 | Schmeien (Nordstelle) | Schmeien | Germany | | 48.365237 | 9.716203 | 2 interglacial | | 0.41 | 0.38 | Pleistocene | Dehm, R. 1951. Mittelaltiale Kalktuft und ihre Molluskenfauna bei Schmeien nahe Blaubeuren (Schwäb. Alb). Neuen Jahrbuch für Geologie und Paläontologie, 93 (2), 247-272. |
| 2814 | Schmeien (Südstelle) | Schmeien | Germany | | 48.362164 | 9.716901 | 2 interglacial | | 0.41 | 0.38 | Pleistocene | Dehm, R. 1951. Mittelaltiale Kalktuft und ihre Molluskenfauna bei Schmeien nahe Blaubeuren (Schwäb. Alb). Neuen Jahrbuch für Geologie und Paläontologie, 93 (2), 247-276. |
| 3093 | Schnaittach (Hinterst 3 km SE Schnaittach, no 3 in Dehm, 1967) | Schnaittach | Germany | | 49.570111 | 11.372099 | 2 Postglacial | | 0.01 | 0.003 | Holocene | German, R., Dehm, R., Flözer, P., Schmeier, A. 1963. Der Ur-Federe. Oberrhinische geologische Abhandlungen, 16, 45-110. Jahresberichte und Mitteilungen des Oberhessischen geologischen Vereines, Neue Folge, 45, 61-86. |
| 3007 | Schussenried (in German et al., 1963) | Schussenried | Germany | | 47.999274 | 9.663807 | 2 Interglacial | | 0.125 | 0.115 | Pleistocene | Geyer, D. 1913. Über die in Niedersachsen während des Quartärs erschienenen Mollusken. Jahresberichte und Mitteilungen des Oberhessischen geologischen Vereins, Neue Folge, 3 (2), 32-54. |
| 2985 | Schussenried (Seekreide) | Schussenried | Germany | | 48.034115 | 9.645449 | 3 (Holocene) | | 0.0117 | 0 | Holocene | Frank, C. 2006. Plio-pleistozaine und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. |
| 4160 | Schwechat (station 141 in Frank, 2006) | Schwechat | Austria | | 48.133333 | 16.466667 | 3 Pleistocene (old boundaries) | | 1.806 | 0.0117 | Pleistocene | Steinkopf, U. 1912. Bericht über Untersuchungen im und am Schweriner See. Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg, 66, 200-204. |
| 5658 | Schwerin (Ramer Moor-Charakalk) | Schwerin | Germany | | 53.691214 | 11.462632 | 2 Neolithic Age | | 0.01 | 0.0043 | Holocene | Steinkopf, U. 1912. Bericht über Untersuchungen im und am Schweriner See. Archiv des Vereins der Freunde der Naturgeschichte in Mecklenburg, 66, 200-204. |
| 5657 | Schwerin (Ramer Moor-Kalk) | Schwerin | Germany | | 53.691214 | 11.462632 | 2 Litorina Sea stage | | 0.008 | 0.004 | Holocene | Islamoglu, Z., Tepelcioglu, A. 1998. The environmental changes determined with Molluscan assemblages during the Neoeuxinian-Holocene stages in the Black Sea. Turkish Journal of Earth Sciences, 7, 135-155. |
| 5826 | Sea of Marmara (Neoexinian assemblages) | Sea of Marmara | Turkey | | 40.483018 | 28.254776 | 4 (Marmara) | | 0.03 | 0.0117 | Pleistocene | Adan, M., Wiersma, S. 2010. Malaokfama osadów jeziornej tortowskiej Gajlik na pojezierzu Sejnenskim (Północno-Wschodnia Polska). |
| 4849 | Sejny (Gajlik mire profile, 2 to 3 m) | Sejny | Poland | | 54.082795 | 23.45122 | 2 early Holocene | | 0.0117 | 0.0078 | Holocene | Alexandrowicz, W.P., Zurek, S. 2010. Malaokfama osadów jeziornej tortowskiej Gajlik na pojezierzu Sejnenskim (Północno-Wschodnia Polska). |
| 4850 | Sejny (Gajlik mire profile, 4.25 to 4.5 m) | Sejny | Poland | | 54.082795 | 23.45122 | 2 Allerød Interphase | | 0.01335 | 0.0129 | Pleistocene | Alexandrowicz, W.P., Zurek, S. 2010. Malaokfama osadów jeziornej tortowskiej Gajlik na pojezierzu Sejnenskim (Północno-Wschodnia Polska). |
| 1714 | Selsey | Selsey | United Kingdom | | 50.792882 | -0.789227 | 2 (Gelasian) | | 2.61 | 2.13 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 5820 | Selsey (Site A and D) | Selsey | United Kingdom | | 50.727559 | -0.783998 | 2 (Irishian) | | 0.125 | 0.115 | Pleistocene | West, R.G., Sparks, B.W. 1960. Coastal Intercalations of the English Channel. Philosophical transactions of the Royal Society of London B, 243, 95-120. DOI: 10.1098/rbs.1960.0008. |
| 5305 | Sembialki (Sembialkiucy and Plaskovcy) | Sembialkiucy | Belarus | | 53.793087 | 23.817615 | 3 (late Holocene) | | 0.115 | 0 | Pleistocene | Adan, M., Wiersma, S. 2010. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. |
| 5592 | Sembaliki (cliff 2 km SW of the settlement, Sembaliki-1) | Sembaliki | Russian Federation | | 47.000846 | 39.020014 | 2 (Russia) | | 1.806 | 0.781 | Pleistocene | INQUA-SEQS Annual Meeting. 2010. Quaternary stratigraphy and paleontology of the southern Russia: connections between Europe, Africa and Asia. 2010. Programme and guidebook of excursions. Rostov-on-Don, Russia, 1-47. |
| 5593 | Sembaliki (cliff 2 km SW of the settlement, Sembaliki-2) | Sembaliki | Russian Federation | | 47.000846 | 39.020014 | 2 (Russia) | | 0.781 | 0.126 | Pleistocene | Tesakov, A.S., Dodonov, A.E., Titov, V.V., Trubikhin, V.M. 2007. Plio-Pleistocene geological record and small mammal fauna, eastern shore of the Azov Sea, Southern European Russia. Trudy Instituta International, 160, 57-79. |
| 1719 | Seurre | Seurre | France | | 46.99661 | 5.146667 | 2 MN 17 | | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 5170 | Shekman' | Shekman' | Russian Federation | | 52.105288 | 40.465887 | 2 Interglacial | | 0.41 | 0.38 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 1726 | Siena (Cassoperte) | Siena | Italy | Cassoperte near Montechiaro (Alessandria) | 43.337264 | 11.404581 | 3 early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 1728 | Siena (Madonnina Rossa) | Siena | Italy | Madonna rossa near Siena | 43.327675 | 11.339496 | 3 early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 1729 | Siena (Pescia) | Siena | Italy | | 43.318933 | 11.330824 | 3 late Villafranchian | | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 1730 | Siena (Porta Ovile) | Siena | Italy | | 43.323952 | 11.333353 | 3 early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 1731 | Siena (Rilongo brook) | Siena | Italy | Rilongo near Siena | 43.290237 | 11.365864 | 2 late Villafranchian | | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. Geologica Romana, 13, 203-294. |
| 1732 | Siena (Stazione) | Siena | Italy | Stazione near Siena | 43.317163 | 11.322885 | 3 early Pleistocene | | 2.588 | 0.781 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 4972 | Siena (undifferentiated, Villafranchian) | Siena | Italy | | 43.318933 | 11.330824 | 3 Villafranchian | | 3.5 | 1.1 | Pleistocene | FreshGEN team decision |
| 3111 | Sigmaringen (C27, Laucherttal, Veringendorf 8 km N Sigmaringen in Geyer, 1915, p.90-91) | Sigmaringen | Germany | | 48.157627 | 9.201092 | 2 Jüngere Kalktuft | | 0.0117 | 0 | Holocene | Geyer, D. 1913. Die Mollusken der vaterländischen Kalktuft. Jahresheft des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 5853 | Sigriet (sample 9) | Sigriet | France | | 44.613431 | 6.556664 | 2 Holocene | | 0.0147 | 0 | Holocene | Chauix, L. 1983. Paléoenvironnement tardiglaciaire holocène des lacs de Pelleautier et Sigriet (Alpes-Durance, France). III. les faunes malacologiques de Pelleautier et Sigriet (Alpes-Durance, France). Eclogae Meditteranea, 9 (3-4), 41-47. |
| 4632 | Sittingbourne (no 4 in van Register Altena, 1957) | Sittingbourne | United Kingdom | | 51.351414 | 0.747396 | 2 (boudaries) | | 1.806 | 0.0117 | Pleistocene | van Register Altena, C.O. 1957. Palaeozoic Mollusca. The excavation at Velsen. Verhandlungen von der Koninklijk Nederlandsch Geologisch Genootschap, 1956, 121, 1-121. |
| 2392 | Sixogaya | Sixogaya | Azerbaijan | Shikikaya | 40.5334416 | 48.921776 | 3 Apsheronian | | 2.15 | 0.9 | Pleistocene | Davtashvili, L.S. 1973. Fossils of the Azerbaijanian oil beds. In: Arshaghyan, G.D., Davtashvili, L.S. (eds) Characteristic fossils of the oil districts of the Crimea and Caucasus. Transactions of the State Petroleum Research Institute, 12, 1-50. |
| 142 | Sklasmatos | Sklasmatos | Greece | | 37.770715 | 21.571199 | 4 Gelasian | | 2.588 | 1.806 | Pleistocene | Hagmann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnese), Greece. Annales Géologiques des Pays Helléniques, 28, 299-333. |
| 5109 | Skoloszów | Skoloszów | Poland | | 49.934129 | 22.818087 | 2 Holocene | | 0.0117 | 0 | Holocene | Sanko, A.P. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. |
| 4964 | Skopje (Arančinovo, 7 in Petrob, 1939b) | Skopje | Macedonia | Arančinovo | 42.025868 | 21.552415 | 2 Holocene | | 0.0117 | 0 | Holocene | Petrob, J. 1939b. Beiträge zur Kenntnis der Quarär-Mollusken von serbisch Mazedonien. Archiv für Molluskenkunde, 71 (4), 144-148. |
| 4965 | Skopje (Arančinovo, 8 in Petrob, 1939b) | Skopje | Macedonia | Arančinovo | 42.025868 | 21.552415 | 2 Holocene | | 0.0056 | 0 | Holocene | Petrob, J. 1939b. Beiträge zur Kenntnis der Quarär-Mollusken von serbisch Mazedonien. Archiv für Molluskenkunde, 71 (4), 144-148. |
| 4967 | Skopje (Bara stream, 10 in Petrob, 1939b) | Skopje | Macedonia | Arančinovo | 41.954671 | 21.499068 | 2 Holocene | | 0.0117 | 0 | Holocene | Petrob, J. 1939b. Beiträge zur Kenntnis der Quarär-Mollusken von serbisch Mazedonien, Archiv für Molluskenkunde, 71 (4), 144-148. |
| 4963 | Skopje (Vadi Dol, Treska river, 1 in Petrob, 1939b) | Skopje | Macedonia | | 41.995892 | 21.334213 | 3 (boudaries) | | 1.806 | 0.0117 | Pleistocene | Petrob, J. 1939b. Beiträge zur Kenntnis der Quarär-Mollusken von serbisch Mazedonien. Archiv für Molluskenkunde, 71 (4), 144-148. |
| 5163 | Skowarz (Rózyny Sk-I to VII) | Skowarz | Poland | | 54.211045 | 18.67994 | 2 Atlantic | | 0.0147 | 0.0056 | Holocene | Alexandrowicz, W.P. 2002. Mollusc assemblages of an ancient lake in Rózyny near Skowarz (Zubawy Wielkie, Poland). Folia Malacologica 10 (4), 215-224. |
| 3772 | Slobozia Mare (near church) | Slobozia Mare | Moldova | Slobozia-Mare | 45.57639 | 28.17389 | 2 (Quaternary old boundaries) | | 1.806 | 0 | Pleistocene | Macarovici, N. 1940. Recherches géologiques et paléontologiques dans la Bassinare méridionale (Roumanie). Annales de l'Institut de géologie de Roumanie, 36 (1), 177-422. |
| 5805 | Smidary Roszowe (figure 24 and 25, in Proszynski, 1952) | Smidary Roszowe | Ukraine | Rohovi Smidary | 51.345477 | 23.801133 | 2 (Prelacal) | | 2.588 | 1.806 | Pleistocene | Jassy, 1961, 1974. Spezieszettel der Gastropoden aus der Karpaten. Biogeographische Institute der Universität Graz, 65 (1), 313-364. |
| 5662 | Subotivice | Subotivice | Czech Republic | Subotovitz | 49.06067 | 16.557485 | 2 (middle Pleistocene) | | 0.781 | 0.126 | Pleistocene | Reznáček, A. 1986. Die pleistozänen Concholeucanidae Mährens. Verhandlungen des naturforschenden Vereins in Brünn, 26, 73-104. |
| 4421 | Soham (Soham Mere) | Soham | United Kingdom | | 52.338841 | 0.32773 | 2 early Holocene | | 0.0117 | 0.0078 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-8787(22)80002-X. |
| 4836 | Solec Kujawski (faunal list, locality 25 in Aleksandrowicz and Alexandrowicz, 2010) | Solec Kujawski | Poland | | 53.034746 | 18.22583 | 2 Eemian | | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Aleksandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Polonae, 80, 69-87. |
| 4919 | Sombor (artesian well in front of the city hall by Zigmobdy between 1887 and 1889, 32-149m) | Sombor | Serbia | Zombor | 45.770289 | 19.118791 | III. zonality of Boeckhii Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | Krolop, E. 1917. Alföldi melykővű Zsigmondy-Halász-féle Mollusák anyagának vizsgálása. III. A zonobori (Sombor, szabadkai Subotica, Szabadka) körzetekről. Magyar Állomány Természettudományi Intézet Egyetemi Iratok Egyetemi Iratok 1975-rol, 145-155. |
| 5089 | Soria (Urrez) | Soria | Spain | | 41.757774 | -2.460102 | 4 Preboreal | | 0.0115 | 0.009 | Holocene | Madarla Marco, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 45-166. |
| 4058 | Soucy (north of Sens, Coupe B, C3, D, M1, M2 in Limondin-Lozouet, 2001) | Soucy | France | | 48.247694 | 3.292623 | 2 middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-8787(22)80002-X. |
| 4498 | South Elmham (St. Cross) | South Elmham | United Kingdom | | 52.406052 | 1.375753 | 2 (boudaries) | | 1.806 | 0.0117 | Pleistocene | Davis, A.G., Pitchford, G.W. 1958. The Holocene molluscan fauna of Southwell and Wheatley, Nottinghamshire. Journal of Conchology, 24 (7), 227-233. |
| 5225 | Southwell (Beds 3 to 6) | Southwell | United Kingdom | | 53.072864 | -0.966141 | 2 Holocene | | 0.0117 | 0 | Holocene | Madarla Marco, M.C. 1973. Los gasterópodos dulceacuícolas y terrestres del Cuaternario español. Boletín de la Real Sociedad Española de Historia Natural, 71, 45-166. |
| 1780 | Southwold | Southwold | United Kingdom | | 52.327262 | 1.682525 | 2 (Norwich Crag) | | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extrazonaria teraria. W. Junk, Berlin. |
| 4438 | Southwold (North Cliff) | Southwold | United Kingdom | | 52.330545 | 1.684249 | 2 Holocene | | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-8787(22)80002-X. |
| 4770 | Spisská Belá (flat-bog deposit, MF2-4) | Spisská Belá | Slovakia (Slovak Republic) | | 49.205796 | 20.465578 | 2 Subatlantic | | 0.0037 | 0.0018 | Holocene | Kovanda, J., Horská, M., 2007b. Sulfofissili mělkými ložiskami statu in Spisská Belá východně od Vysokých Tater. Zprávy o geologických výzkumech v roce 2006. České geologické služby, 73-76. |
| 1782 | Společ | Společ | Italy | | 42.736548 | 12.736917 | 2 (late Ma) | | 1.15 | 1.15 | Pleistocene | Bízarri, R., Abbiatti, A., Argenti, B., Baldanza, A., Colacicchi, R., Napoleone, G. 2011. The latest continental filling of Valle Umbra (Tiber Basin, Central Italy) dated to one million years ago by magnetostriation (Quaternary, Italiabronze, 24/16), 21-65. |
| 3842 | Spojry (Talle tributary, level S1) | Spojry | France | | 47.446432 | 5.192353 | 2 St. Erb Formation | | 0.0147 | 0.0156 | Pleistocene | Ponsart, P., J.-J. 1976. Mollusques continentaux de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. |
| 179 | St. Erth | St. Erth | United Kingdom | St. Earth (Cornwall) | 50.165024 | -5.432103 | 2 (Gelasian) | | 2 | 2 | Pleistocene | Rose, L., Hart, M.B., Taylor, G.K., Marks, A. 1999. The St. Erth Formation; history of the clay workings, geological setting and stratigraphy. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference | |
|------|--|---------------------|----------------------------|--------------------------|-----------|-----------|--|--|---------------------|---------------------|-------------|---|---|
| 3086 | St. Pölten (Höchtmühle 2 km N Herzogenburg, no 37 in Dehm, 1967) | St. Pölten | Austria | | 48.304122 | 15.696573 | 2 Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke <i>Discus nuderatus</i> im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatssammlung für Paläontologie und Historische Geologie, 7, 135-155. | |
| 3072 | St. Pölten (Hofamt S. St. Pölten) | St. Pölten | Austria | | 48.243613 | 15.34222 | 2 Postglacial | | 0.01 | 0.003 | Holocene | Dehm, R. 1987. Die Landschnecke <i>Discus perspicillatus</i> im Postglazial Südbayerns. Mitteilungen der Bayerischen Staatssammlung für Paläontologie und Historische Geologie, 27, 21-30. | |
| 1801 | Stamná | Greece | | Stamna; Stamná (Aetolia) | 38.515131 | 21.281841 | early Early Pleistocene | | 2.588 | 1.806 | Pleistocene | Doutos, T., Kontopoulos, N., Frydas, D. 1987. Neotectonic evolution of northwestern continental Greece. Geologische Rundschau, 76 (2), 433-450. | |
| 4845 | Starunya (boreholes 4.5.14.22.43) | Starunya | Ukraine | Starunia | 48.697572 | 24.486538 | 2 0.043 Ma | | 0.043 | 0.043 | Pleistocene | Stachowicz-Rybka, R., et al. 2009. Paleogeocrosses and paleoenvironment of Quaternary mineral-organic sediments at Starunia paleontological site and vicinity (Carpathian region, Ukraine). Acta Geologica Polonica, 33, 297-313. | |
| 3939 | Starzany (St-near Plaza) | Starzany | Poland | | 50.090924 | 19.440293 | 2 0.0061-0.0043 Ma | | 0.0061 | 0.0043 | Holocene | Alexandrowicz, S.W. 1983. Malafoama of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. | |
| 2707 | Strone river (sample a in Ciangerottti et al., 1997) | Strone river | Italy | | 44.851351 | 10.00544 | early Pleistocene 2 (old boundaries) | | 1.806 | 0.781 | Pleistocene | Esa, D. 2008. A new species of Tanosia Servian (Gastropoda, Hydrobiidae) from the Early Pleistocene of Emilia-Romagna (Northern Italy). Bollettino della Società Paleontologica Italiana, 47 (1), 45-49. | |
| 2708 | Strone river (sample b in Ciangerottti et al., 1997) | Strone river | Italy | | 44.851351 | 10.00544 | early Pleistocene 2 (old boundaries) | | 1.806 | 0.781 | Pleistocene | Esa, D. 2008. A new species of Tanosia Servian (Gastropoda, Hydrobiidae) from the Early Pleistocene of Emilia-Romagna (Northern Italy). Bollettino della Società Paleontologica Italiana, 47 (1), 45-49. | |
| 2710 | Strone river (sample c in Ciangerottti et al., 1997) | Strone river | Italy | | 44.851351 | 10.00544 | early Pleistocene 2 (old boundaries) | | 1.806 | 0.781 | Pleistocene | Ciangerotti, A.D., Crispino, P., Esa, D. 1997. Palaeoecology of the non-marine molluscs of the Pleistocene Strone River sequence (Emilia, Northern Italy). Bollettino della Società Paleontologica Italiana, 36 (12), 303-310. | |
| 2711 | Strone river (sample d in Ciangerottti et al., 1997) | Strone river | Italy | | 44.851351 | 10.00544 | 2 middle Pleistocene 2 (old boundaries) | | 1.806 | 0.781 | Pleistocene | Ciangerotti, A.D., Crispino, P., Esa, D. 1997. Palaeoecology of the non-marine molluscs of the Pleistocene Strone River sequence (Emilia, Northern Italy). Bollettino della Società Paleontologica Italiana, 36 (12), 303-310. | |
| 2712 | Strone river (sample e in Ciangerottti et al., 1997) | Strone river | Italy | | 44.851351 | 10.00544 | 2 middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Ciangerotti, A.D., Crispino, P., Esa, D. 1997. Palaeoecology of the non-marine molluscs of the Pleistocene Strone River sequence (Emilia, Northern Italy). Bollettino della Società Paleontologica Italiana, 36 (12), 303-310. | |
| 2713 | Strone river (sample f in Ciangerottti et al., 1997) | Strone river | Italy | | 44.851351 | 10.00544 | early Early Pleistocene | | 2.588 | 1.806 | Pleistocene | Ciangerotti, A.D., Crispino, P., Esa, D. 1997. Palaeoecology of the non-marine molluscs of the Pleistocene Strone River sequence (Emilia, Northern Italy). Bollettino della Società Paleontologica Italiana, 36 (12), 303-310. | |
| 4175 | Stranzendorf (Lößkasten K1, station 149 in Frank, 2006) | Stranzendorf | Austria | | 48.45 | 16.083333 | 1 Pleistocene | | | | Pleistocene | Frank, C. 2006. Pfl.-pöksteine und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 62, Wien. | |
| 5843 | Strasbourg (Schiltigheim terrace, levels 3-12) | Strasbourg | France | | 48.58202 | 7.636434 | 2 Lascoux to Alleröd | | 0.0798 | 0.0129 | Pleistocene | Piesssegger, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. Mémoires géologiques de l'Université de Dijon, 3, 1-241. | |
| 5626 | Streitberg (E of Streitberg, Langentales) | Streitberg | Germany | | 49.816035 | 11.231363 | 2 Diätal | | 1.806 | 0.0117 | Pleistocene | Büttner, K. 1938. Quartärmollusken des Fränkischen Jura. Archiv für Molluskenkunde, 70 (5/6), 258-263. | |
| 3643 | Streitberg (Schauertal) | Streitberg | Germany | | 49.814657 | 11.217883 | Alluvial 2 (Holocene) | | 0.0117 | 0 | Holocene | Büttner, K. 1938. Quartärmollusken des Fränkischen Jura. Archiv für Molluskenkunde, 70 (5/6), 258-263. | |
| 5108 | Streltisa | Russian Federation | | | 51.604306 | 38.902595 | 2 Butenai Interglacial | | 0.41 | 0.38 | Pleistocene | Sankto, A., Gaigalas, A., Velichkevich, F., Melézh, M. 2006. Malafoama and seed flora of Butenai Interglacial in deposits of the Neravai outcrop, South Lithuania. Geologija, 54 (2), 31-41. | |
| 5365 | Štúrovo (Boží vrch, site J in table 10 in Ložek, 1964) | Štúrovo | Slovakia (Slovak Republic) | | 47.828011 | 18.763945 | 2 middle Warm | | 0.069 | 0.025 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. | |
| 5350 | Štúrovo (site B in table 9 in Ložek, 1964, fluvial deposits) | Štúrovo | Slovakia (Slovak Republic) | | 47.797834 | 18.715897 | 2 Warm | | 0.115 | 0.025 | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústředního Ústavu Geologického, 31, 1-374. | |
| 1817 | Subotica | Subotica | Serbia | Szabukta | | 46.1 | 19.66667 | 2 Viviparus boekhii Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | FreshGEN team decision |
| 4919 | Subotica (artesian well in the area of the railway station by Zsigmondy between 1882 and 1886, 99.6-124.53m) | Subotica | Serbia | Szabukta | | 46.099442 | 19.672627 | 2 early Pleistocene | | 2.588 | 0.781 | Pleistocene | Kroopp, E. 1977. Alfoldi műtártások Zsigmondy-Hályavölgy-féle Mollusca anyagának rekvízia. III. A zombori (Sombor), szabdalai (Subotica), Szabadka (Szabadka) műtártásainak arcképeiről. Magyar Állami Földtanit Intézet Évi Jelentése 1973-ról, 145-155. |
| 4710 | Sucha Wieś (Sucha Wies section) | Sucha Wieś | Poland | | 53.960055 | 22.821228 | 2 Interglacial | | 1.2 | 0.8 | Pleistocene | Ber, A. 2000. Liniaży i synakty gospodarcze osadów interglacjalnych Augustowskiego w profilu Sucha Wieś (Pogórze Elckie) i Czarnucha (Równina Augustowska). Biuletyn Państwowego Instytutu Geologicznego, 435, 3-22. | |
| 5176 | Sulislawice (section Su I to Su V) | Sulislawice | Poland | | 50.790952 | 19.837317 | 2 Atlantic | | 0.008 | 0.0056 | Holocene | Alexandrowicz, W.P. 2012. Assemblages of molluscs from Sulislawice (Malopolska Upland, Southern Poland) and their significance for interpretation of depositional conditions of calcareous talus in small water bodies. Acta Geol. Pol., 62, 161-176. | |
| 4071 | Suploma (Suploma basin, stage 15?, 13?) | Suploma | Poland | | 42.047506 | 13.929142 | 3 Galerian | | 1.1 | 0.45 | Pleistocene | Glozzi, E., et al. 1997. Biochronology of selected mammals, molluscs and ostracods from the Middle Pleistocene to the Late Pleistocene in Italy. The Pleistocene state of the art. Rivista Italiana di Paleontologia e Stratigrafia, 103 (3), 369-388. | |
| 2393 | Surakhami | Azerbaijan | | | 40.424028 | 50.004472 | 2 Apsheronian | | 2.15 | 0.9 | Pleistocene | Andrusov, N. 1923. Apsheronsky varan. Trudy Geologicheskoy Komisii, novaya seriya, 110, 1-294. | |
| 2388 | Suvorovo-Cherkesskiy | Russian Federation | | | 45.063518 | 37.275138 | 2 early Kuyalnikian | | 3.2 | 2.15 | Pleistocene | Koroleva, N. 1928. Results of stratigraphy of the Pliocene of Tamara peninsula and adjacent parts of Kuban region [in Russian]. Bulletin de la Société des Naturalistes de Moscou, section Géologie, 6 (2), 171-192. | |
| 5568 | Swalki (Głębokie leg. Je1 to Je8) | Swalki | Poland | | 54.114986 | 22.635859 | 2 Preboreal to Boreal | | 0.0115 | 0.008 | Holocene | Alexandrowicz, W.P. 2012. Assemblages of molluscs from Swalki (Malopolska Upland, Southern Poland) and their significance for interpretation of depositional conditions of calcareous talus in small water bodies. Acta Geol. Pol., 62, 161-176. | |
| 5299 | Svetlahorsk (boreholes 87-88) | Svetlahorsk | Belarus | Svetlogorsk | 52.623201 | 29.738634 | 3 late Pleistocene | | 0.126 | 0.0117 | Pleistocene | Sankto, A. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian], Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. | |
| 5010 | Svinishiv (not horizontated Holocene) | Svinishiv | Bulgaria | | 43.619354 | 25.360223 | 2 Holocene | | 0.0117 | 0 | Holocene | Petrov, J. 1940/68. Zur Kenntnis der quartären Mollusken von Bulgaria. Archiv für Molluskenkunde, 72 (5/6), 151-157. | |
| 5690 | Swaffham Prior | Swaffham Prior | United Kingdom | | 52.350586 | 0.294979 | 2 Holocene | | 0.0117 | 0 | Holocene | Sparks, B.W. 1955. Notes on four Quarternary deposits in the Cambridge region. Journal of Chorology, 24, 47-53. | |
| 4478 | Swanscombe (Barnfield pit, Lower Gravel and Lower Loam) | Swanscombe | United Kingdom | | 51.445692 | 0.290999 | 2 II | | 0.41 | 0.4 | Pleistocene | Kerney, M.P. 1971. Interglacial deposits in Barnfield pit, Swanscombe, and their molluscan fauna. Journal of the Geological Society, 127, 69-93. | |
| 4479 | Swanscombe (Barnfield pit, Middle Gravel) | Swanscombe | United Kingdom | | 51.445692 | 0.290999 | 2 III | | 0.4 | 0.39 | Pleistocene | Kerney, M.P. 1971. Interglacial deposits in Barnfield pit, Swanscombe, and their molluscan fauna. Journal of the Geological Society, 127, 69-93. | |
| 4600 | Swanscombe (Middle Gravel) | Swanscombe | United Kingdom | | 51.445692 | 0.290999 | 2 Holsteinian | | | | Pleistocene | Meijer, T., Preece, R.C. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian, 53-82. In: Turner, C. (eds) The Early Middle Pleistocene in Europe. A.A. Balkema, Rotterdam. | |
| 4825 | Swiignaki (faunal list [not complete?], fig 14 in Alexandrowicz and Alexandrowicz, 2010) | Śwignaki | Poland | | 51.70693 | 19.309403 | 2 Eemian | | 0.125 | 0.115 | Pleistocene | Alexandrowicz, W.P. 1999. Evolution of the malacological assemblages in north Poland during the Late Glacial and Early Holocene. Folia Quaternaria, 70, 39-69. | |
| 5732 | Sylveréal | Sylveréal | France | | 43.544265 | 4.347039 | 3 Holocene | | 0.0117 | 0 | Holocene | Oranier, J. 1968. Faune malacologique des marnes Holocènes de Sylveréal (Gard). Bulletin mensuel de la Société Linnéenne de Lyon, 37 (1), 19-25. | |
| 5811 | Syrniki | Syrniki | Poland | Serniki | 51.437042 | 22.658485 | 2 Masovian I | | 0.41 | 0.38 | Pleistocene | Skompski, S. 1989b. Role of malacological investigations for stratigraphy of the Quaternary of southeastern Poland. Kwartalnik Geologiczny, 33 (3/4), 525-540. | |
| 5705 | Szabadtihídveg (gravel pit of the Kavicsos Hill between Ádánd and Szabadtihídveg) | Szabadtihídveg | Hungary | | 46.847182 | 18.221303 | 2 (old boundaries) | | 1.806 | 0.781 | Pleistocene | Kroopp, E. 1978a. A Szabadtihídveg Ákoslepiszrózni faunája. Magyar Állami Földtanit Intézet Évi Jelentése 1976-ról, 297-310. | |
| 4933 | Szárvas (artesian well in Kossuth térs., revised by Kroopp, 1976b) | Szárvas | Hungary | | 46.861714 | 20.550934 | 2 early Pleistocene | | 1.806 | 1.2 | Pleistocene | Kroopp, E. 1976b. Általid műtártások Zsigmondy-Hályavölgy-féle Mollusca anyagának rekvízia. II. A hódmezővásárhelyi, szegedi, szarvási és Szabadka műtártásainak arcképeiről. Magyar Állami Földtanit Intézet Évi Jelentése 1974-ról, 133-156. | |
| 5713 | Szedres (borehole 1) | Szedres | Hungary | | 46.478749 | 18.682248 | 2 (old boundaries) | | 1.806 | 0.781 | Pleistocene | Jakob, S., Kroopp, E. 1991. Nagysegedi környezetgyűrűk és folyiákkal illeszkedőholmozás a Duna-völgyben Pak és Mohás között. Magyar Állami Földtanit Intézet Évi Jelentése 1989-ról, 65-84. | |
| 1825 | Szeged (artesian wells in Tisza Lajos, MÁV and Mars Square, revised by Kroopp, 1976b) | Szeged | Hungary | | 46.252523 | 20.142632 | 2 Viviparus boekhii Zone (early Calabrian) | | 1.806 | 1.2 | Pleistocene | Kroopp, E. 1976b. Általid műtártások Zsigmondy-Hályavölgy-féle Mollusca anyagának rekvízia. II. A hódmezővásárhelyi, szegedi, szarvási és Szabadka műtártásainak arcképeiről. Magyar Állami Földtanit Intézet Évi Jelentése 1974-ról, 133-156. | |
| 5904 | Szeged (Óthalom-marsidium, 5 Mollusca zones) | Szeged | Hungary | | 46.264968 | 20.140798 | 3 0.028-0.016 Ma | | 0.028 | 0.016 | Pleistocene | Simegi, P., Náfrádi, K., Molnár, D., Sávai, S. 2015. Results of paleogeological studies in the leios region of Szeged-Óthalom (SE Hungary). | |
| 5134 | Székesfehérvár (Mollusc assemblage from Sárszentmihály I) | Székesfehérvár | Hungary | | 47.154328 | 18.23789 | 2 0.0115-0.0033 Ma | | 0.0115 | 0.0033 | Holocene | Simegi, P. 2007. The mollusc remains from Sárszentmihály I. Tracing the environmental changes in the Sárszentmihály I. Archaeology in Transdanubia, 361-383. | |
| 5133 | Székesfehérvár (Sárkeszi, malacological zones 1 to 5) | Székesfehérvár | Hungary | | 47.154328 | 18.23789 | 2 0.015-0.0035 Ma | | 0.015 | 0.0035 | Holocene | Simegi, P. 2007. The mollusc remains from Sárkeszi, 372-377. In: Simegi et al. Palaeoenvironmental studies in the Sárszentmihály region. Environmental Archaeology in Transdanubia, 361-383. | |
| 5027 | Székesfehérvár (Sárkeszi, S1.2 and N1 localities in Fukosh, 1977) | Székesfehérvár | Hungary | | 47.168189 | 18.251735 | 2 Viviparus boekhii Zone (early Calabrian) | | 0.015 | 0.01 | Pleistocene | Fülökh, L. 1977. A Fejér megyei Sárkeszi holocén Mollusca-faunájának bioszisztrágrafikai vizsgálata. Szoszana, 5, 17-26. | |
| 1827 | Szentesz (artesian well, revised by Kroopp, 1976a, 243-309.m) | Szentesz | Hungary | | 46.652632 | 20.256575 | middle Early Pleistocene to Holocene | | 1.806 | 1.2 | Pleistocene | Kroopp, E. 1976a. Általid fúrások Zsigmondy-Hályavölgy-féle Mollusca anyagának rekvízia. I. Aszentesi artezikű-fürás. Magyar Állami Földtanit Intézet Évi Jelentése 1973-ról, 195-218. | |
| 4926 | Szentesz (artesian well, revised by Kroopp, 1976a, 4.8-184.97.m) | Szentesz | Hungary | | 46.652632 | 20.256575 | 1.2 | 0 | | | Pleistocene | FreshGEN team decision | |
| 5333 | Szigliget (Balatonederics borehole) | Szigliget | Hungary | | 46.797024 | 17.407006 | 2 Ma | | 0.01436 | 0.01165 | Holocene | Simegi, P., et al. 2008. Holocene paleoclimatic and paleohydrological changes in Lake Balaton as inferred from a complex quantitative environmental historical study of a lacustrine sequence of the Szigliget embayment. Documenta Praehistorica, 35, 33-43. | |
| 5331 | Székely (SD-Székely Duna) | Székely | Poland | | 50.155886 | 17.907958 | 2 0.009-0.0032 Ma | | 0.009 | 0.0032 | Holocene | Alexandrowicz, S.W. 1983. Malafoama of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. | |
| 3932 | Székely (SG-Székely Göreme) | Székely | Poland | | 50.193478 | 17.924025 | 2 0.0089-0.0047 Ma | | 0.0089 | 0.0047 | Pleistocene | Alexandrowicz, S.W. 1983. Malafoama of Holocene calcareous sediments of the Cracow Upland. Acta Geologica Polonica, 33, 117-158. | |
| 5024 | Szomod (Agostini, Gorcane) | Szomod | Hungary | | 46.476701 | 18.366949 | 2 middle Pleistocene | | 0.781 | 0.126 | Pleistocene | Kroopp, E. 1976c. Melindöpös turbacella (O. Müller, 1774) a magyarországi pleistocén körüléknövésekben. Szomodiana, 4, 51-56. | |
| 5618 | Tartu (Lake Peipsi, cores PE1 and 2) | Tartu | Estonia | | 58.639514 | 27.309272 | Younger Dryas to preboreal | | 0.0129 | 0.009 | Holocene | Nieminen, E., Hwang, T. 2009. Ostracod assemblages indicating a low water level episode of Lake Peipsi at the beginning of the Holocene. Estonian Journal of Earth Sciences, 58 (2), 133-147. | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|--------------------|---|-----------|-----------|---------------------------------------|---|---------------------|---------------------|-------------|--|
| 2397 | Tashvarat | Turkmenistan | | | 39,75033 | 54,37484 | 2 | Apheronian | 2.15 | 0.9 | Pleistocene | Andrusov, N. 1923. Apheronikyani yarus. Trudy Geologicheskogo Komiteta, novaya seriya, 110, 1-294. |
| 5724 | (Tata in Komos, 1912) | Tata | Hungary | | 47,635821 | 18,320081 | 2 | late Würm | 0.025 | 0.017 | Pleistocene | Krolop, E. 1980. A Földtani Intézet plesztocén műkaligái iparcsarnak. Magyar Állami Földtani Intézet Évi Jelentése 1978-ri, 359-383. |
| 3272 | Tavernelle | Italy | | | 43.003643 | 12.144992 | 2 | late Villafranchian | | 1.1 | Pleistocene | Petrovici, C., Arginti, P., Caloi, C., Esu, D., Girotti, O., Sardelli, R. 2003. Updating Villafranchian mollusc and mammal faunas in Umbria and Latium (Central Italy). <i>Geologica Romana</i> , 36, 369-387. |
| 2626 | Techendorf (Weissensee, near the bridge, 13.45 meters below recent lake level) | Techendorf | Austria | | 46.718333 | 13.29 | 1 | Asturian | 0.009 | 0.0067 | Holocene | Andrusov, N. 1923. Apheronikyani yarus. Trudy Geologicheskogo Komiteta, novaya seriya, 110, 1-294. |
| 4607 | Tegelen (Pit Egypte) | Tegelen | Netherlands | | 51.34321 | 6.161927 | 2 | Tegelen C | 1.9 | 1.6 | Pleistocene | Zagwijn, W.H. 1963. Pollen-analytic investigations in the Tijlvan of the Netherlands. <i>Meddelingen van de Geologische Stichting, Nieuwe serie</i> , 16, 49-71. |
| 4605 | Tegelen (Pit Maalbeek, Belfeld) | Tegelen | Netherlands | | 51.312315 | 6.148196 | 1 | Pleistocene | 2.43 | 1.76 | Pleistocene | Meijer, T. 1990. Two new freshwater molluscan species are described from Early Quaternary deposits in The Netherlands. <i>Contributions to Tertiary and Quaternary Geology</i> , 27 (4), 107-112. |
| 5710 | Tengelic (boreholes 16 and 15) | Tengelic | Hungary | | 46.527201 | 18.710612 | early Pleistocene (old boundaries) | | 1.806 | 0.781 | Pleistocene | Jásó, S., Krolop, E. 1991. Negyedidőszaki környezetgásk és folyóvízi üledékfálhozmosás Duna-völgyben Pakš és Mohács között. Magyar Állami Földtani Intézet Évi Jelentése 1989-ri, 65-68. |
| 5214 | Terlago | Terlago | Italy | | 46.09629 | 11.050509 | 2 | Ma | 0.0198-0.00293 | 0.00923 | Holocene | Bartoli, C., Bruschi, G., Veronese, L., Zanchi, G. 2001. Younger Dryas to Early Holocene paleoenvironmental evolution of the Lake Terlago (Southern Alps). <i>Geographia Fisica e Dinamica del Quaternario</i> , 24, 13-24. |
| 1848 | Terni (Colle dell'Oro) | Terni | Italy | Colli del Oro near Terni (Perugia); Colli dell'Oro near Terni (Perugia) | 42,581273 | 12.65311 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 3237 | Terni (Collelma) | Terni | Italy | | 42,578366 | 12.609091 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 1849 | Terni (Piedmonte) | Terni | Italy | | 42,597513 | 12.640922 | 2 | late Villafranchian | 2 | 1.1 | Pleistocene | Esu, D., Girotti, O. 1975. La malacofauna continentale del Plio-Pleistocene dell'Italia centrale. I. Paleontologia. <i>Geologica Romana</i> , 13, 203-294. |
| 3564 | Ternsche (Steyvel, Dortmund-Ems kanal near Olfen, A1 in Steusloff, 1938) | Ternsche | Germany | | 51.709098 | 7.412608 | 2 | late Dithvian | 0.126 | 0.0117 | Pleistocene | Sternfeld, U. 1938. Neue Beiträge zur Molluskenfauna und Ökologie periglazialer und atlantischer Abfolgerungen im Emser-Lippe-Raume. <i>Archiv für Molluskenkunde</i> , 70 (4), 161-193. |
| 4633 | Themens (no 11 in van Regteren Altena, 1957) | Themens | France | | 49,81007 | 2.465654 | 2 | Acheulian (in Themens) | 0.38 | 0.125 | Pleistocene | Van Regteren Alsen, C.O. 1957. <i>Pleistocene Mollusca. In: The excavation at Velsen</i> . Verhandelingen van het Koninklijk Nederlandse Geologisch-Mijnbouwkundig Genootschap, Geologische Serie, 17, 121-138. |
| 1852 | Thorpe Market | Thorpe Market | United Kingdom | Thorpe (Norfolk) | 52,874449 | 1.328394 | 2 | Norwich Crag (Gelasian) | 2.13 | 1.88 | Pleistocene | Wenz, W. 1923-1930. <i>Fossilium Catalogus I. Animalia. Gastropoda extramaria teriaria</i> . W. Junk, Berlin. |
| 3985 | Thány (loess at Tibany, lower and upper horizon) | Tibany | Hungary | Tibany | 46,912823 | 17,890303 | 2 | Würm | 0.115 | 0.0117 | Pleistocene | Krolop, E. 1961. A Tibányi felső-plesztocén Moluszkafauna. Magyar Állami Földtani Intézet Évi Jelentése 1957-58-ri, 505-509. |
| 3986 | Thány (subfossils N of bathing area, no 3 in Zesicker, 1987c) | Tibany | Hungary | Tibany | 46,924586 | 17,878221 | 2 | Holocene | 0.0117 | 0 | Holocene | Zesicker, H. 1987c. Subfossiles Konserven aus dem Balaton. <i>Malakologische Abhandlungen</i> , 12 (16), 173-177. |
| 1858 | Tilenay | Tilenay | France | | 47,18083 | 5.352223 | 2 | MN 17 | 2.5 | 1.8 | Pleistocene | Pavla, A.P. 1925. Dépôts intérieurs et quaternaires de l'Europe méridionale et orientale. Stratigraphie comparée des couches d'eau douce. <i>Mém. Sect. Géol. Soc. Am. Sciences Nat., Anthropol., Ethnogr.</i> , 5, 1-215. |
| 5889 | Traspol (Dniestr river) | Tiraspol | Moldova | | 46,845399 | 29,631472 | 2 | Skiljan | 1.22 | 0.781 | Pleistocene | Stümpf, P. 1992. A Coelocarpa nitens (Gallenstein, 1848) újabb magyarországi plesztocén leletekhez. <i>Makrológiai Tájékoztató</i> , <i>Makrogeológiai Newsletter</i> , 11, 23-25. |
| 5880 | Tiszalpár | Tiszalpár | Hungary | | 46,814016 | 19.993725 | 2 | late Villafranchian | 0.025 | 0.0117 | Pleistocene | Stümpf, P. 1992. A Coelocarpa nitens (Gallenstein, 1848) újabb magyarországi plesztocén leletekhez. <i>Makrológiai Tájékoztató</i> , <i>Makrogeológiai Newsletter</i> , 11, 23-25. |
| 3259 | Todi (Pontenais, quarry Toppetti 2, early Pleistocene) | Todi | Italy | | 42,765107 | 12.412089 | 2 | early Early Pleistocene | 2.588 | 1.806 | Pleistocene | Esu, D., Girotti, O., Truc, G. 2001. New data on fossil <i>Emmericinae</i> from Italy and France. <i>Archiv für Molluskenkunde</i> , 129 (1/2), 123-143. |
| 4459 | Toglak | Togolak | Turkmenistan | Togolek; Togolak | 39,901309 | 56,018229 | 2 | Khalvisan | 0.2 | 0.0117 | Pleistocene | Neveskaya, L.A. 1958. Chievirchivnye morskiye molluski Turkestanu. <i>Trudy Paleontologicheskogo Instituta</i> , 65, 1-82. |
| 5285 | Toporovo | Toporovo | Russian Federation | | 55,051467 | 32,286359 | 2 | Interglacial | 0.125 | 0.115 | Pleistocene | Madrigal Marco, G.C. 1973. Los gasterópodos dulceacuíferos y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. |
| 5082 | Torreblanca | Torreblanca | Spain | | 40,187891 | 0,198031 | 2 | Postglacial | 0.008365 | 0.008365 | Holocene | Madrigal Marco, M.C. 1973. Los gasterópodos dulceacuíferos y terrestres del Cuaternario español. <i>Boletín de la Real Sociedad Española de Historia Natural</i> , 71, 43-166. |
| 3863 | Tortosa (Ermita de Sant Onofre) | Tortosa | Spain | | 40,767298 | 0,587275 | 2 | early Early Pleistocene | 2.588 | 1.806 | Pleistocene | Martínez J., Doménech, R. 1984. Malacofauna del Plioceno de Sant Onofre (Baux Ebne; Tarragona). <i>Iberus</i> , 4, 1-17. |
| 5336 | Toruń (Lubicz na Drwęce, samples 61, 62, 63, 64) | Toruń | Poland | | 53,029762 | 18,75998 | 2 | early Postglacial | 0.01 | 0.007 | Holocene | Andrusiak, J., Piotrowska, J. 1992. Les mollusques post-glaciaires et actuels du bassin de Genève. <i>Mémoires de la Société de Physique et d'Historie Naturelle de Genève</i> , 40 (3), 171-424. |
| 3500 | Trouges (castle Beauregard, station 35h in Favre, 1927) | Trouges | France | | 46,329105 | 6.362699 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Szocs, M.; Gullentop, F. 1969. Molluskenfauna van een actuele en een fossiele tuif in Midden-België. <i>Bulletin de la Société belge de Géologie</i> , de Paléontologie et de Hydrologie, 78 (1), 39-47. |
| 5769 | Tourimmes-la-Grosse (along the shore of Nethen) | Tourimmes-la-Grosse | Belgium | | 50,781351 | 4,744423 | 2 | Subatlantic | 0.0028 | 0 | Holocene | Szocs, M.; Gullentop, F. 1969. Molluskenfauna van een actuele en een fossiele tuif in Midden-België. <i>Bulletin de la Société belge de Géologie</i> , de Paléontologie et de Hydrologie, 78 (1), 39-47. |
| 2153 | Trana delle Fornace | Trana delle Fornace | Italy | | | | | Villafranchian | 3.5 | 1.1 | Pleistocene | Wenz, W. 1923-1930. <i>Fossilium Catalogus I. Animalia. Gastropoda extramaria teriaria</i> . W. Junk, Berlin. |
| 3074 | Traunstein (Diesenbach OSO Traunstein) | Traunstein | Germany | | 47,86269 | 12,649376 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1987. Die Landschnecke <i>Catulus perspicillatus</i> im Postglazial Südburgenland. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 27, 21-30. |
| 2767 | Trezzo (Core RL-5) | Trezzo | Italy | | 45,590278 | 9.511389 | 2 | late Early Pleistocene (old boundaries) | 1.383 | 0.781 | Pleistocene | Gianolla, D., et al. 2010. Malacological response to Pleistocene sea-level change in the northern Po plain, N. Italy: detailed palaeoenvironmental reconstructions from two Lourdesian cores. <i>Revista Italiana di Paleontologia e Stratigrafia</i> , 125 (1), 79-102. |
| 4556 | Trimingham (Trimingham/Sidestrand) | Trimingham | United Kingdom | | 52,903863 | 1,368981 | 2 | Cromerian | 0.72 | 0.68 | Pleistocene | Preece, R.C. 2001. Molluscan evidence for differentiation of interglacials within the 'Cromerian Complex'. <i>Quaternary Science Reviews</i> , 20, 1643-1656. |
| 4427 | Tring (Wiltshire, N.E. of Wiltstone Reservoir) | Tring | United Kingdom | | 51,812301 | -0,683232 | 2 | early Holocene | 0.0117 | 0.0078 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleistocene non-marine Mollusca of the East of England. <i>Proceedings of the Geologists' Association</i> , 33 (2), 104-142. DOI: 10.1080/00167878.228002-X. |
| 4164 | Tristach (Tristacher See, station 157 in Frank, 2006) | Tristach | Austria | | 46,807778 | 12,799889 | 1 | Postglacial | 0.01 | 0.003 | Holocene | Frank, C. 2006. Plio-Pleistocene and holocene Mollusca of Austria. <i>Philosophical transactions of the Royal Society of London B</i> , 361 (1750), 1-12. |
| 5269 | Trójcyzce | Trójcyzce | Poland | Trójcyzce, Trujcizce | 49,885023 | 22,757389 | 3 | Holocene | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belorus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, Academy of Sciences, Belarus. |
| 5358 | Tučín (Tučín II, site C in table 10 in Ložek, 1964) | Tučín | Czech Republic | Tučín near Přerov (Moravia); Tučín | 49,453926 | 17,515302 | 2 | Mindel to early Riss | 0.46 | 0.3 | Pleistocene | Ložek, V. 1964. Quartermollusken der Tschechoslowakei. <i>Ročenky Ústředního Ustavu Geologického</i> , 31, 1-374. |
| 3927 | Ujazd (Du-northern periphery of the village) | Ujazd | Poland | | 50,139546 | 19,817733 | 2 | 0,0049-0,0024 Ma | 0,0049 | 0,0024 | Holocene | Alexandrovics, S.W. 1983. Malacofauna of Holocene carbonaceous sediments of the Czajow Upland. <i>Acta Geologica Polonica</i> , 33, 117-158. |
| 3195 | Unterföhring (gravel pit in Unterföhring) | Unterföhring | Germany | | 48,191596 | 11,641734 | 2 | Pleistocene (old boundaries) | 1.806 | 0,0117 | Pleistocene | Schröder, R. 1915. Die Conchylen des Münchener Gebiets vom Pleistozän bis zur Gegenwart. <i>Nachrichtenblatt der Deutschen Malakozoologischen Gesellschaft</i> , 3-4, 97-133, 145-196. |
| 2771 | Upper Valdarno (UFFa Unit) | Upper Valdarno | Italy | | 43,502185 | 11,635232 | 2 | middle Pliocene | 0.781 | 0.126 | Pleistocene | Esu, D., Ghinassi, M. 2013. The non-marine molluscs of the Plio-Pleistocene Upper Valdarno Basin (Tuscany, central Italy): depositional environments, paleoecology and biochronology. <i>Italian Journal of Geosciences</i> , 132 (1), 126-136. |
| 2769 | Upper Valdarno (VRCC Unit) | Upper Valdarno | Italy | | 43,548993 | 11,530832 | 2 | Pliocene | 2.58 | 2.21 | Pleistocene | Ghiniassi, M., Magi, M., Sagri, M., Singer, B.S. 2004. Arid climate 2.5 Ma in the Plio-Pleistocene Valdarno Basin (Northern Apennines, Italy). <i>Paleogeography, Paleoclimatology, Paleohydrology</i> , 210, 37-57. |
| 2770 | Upper Valdarno (VRCe Unit) | Upper Valdarno | Italy | | 43,552916 | 11,515126 | 2 | Pliocene | 2.588 | 1.806 | Pleistocene | Esu, D., Ghinassi, M. 2013. The non-marine molluscs of the Plio-Pleistocene Upper Valdarno Basin (Tuscany, central Italy): depositional environments, paleoecology and biochronology. <i>Italian Journal of Geosciences</i> , 132 (1), 126-136. |
| 5824 | Upton Warren | Upton Warren | United Kingdom | | 52,304167 | -2,094444 | 2 | 0,042 Ma | 0,042 | 0,042 | Pleistocene | Cope, G.R., Shotton, F.W., Strachan, P. 1968. A Late Pliocene Fauna and Flora from Upton Warren, Worcestershire. <i>Philosophical transactions of the Royal Society of London B</i> , 244, 379-421. DOI: 10.1098/rstb.1601.0021. |
| 4428 | Urzach (Urach, Seeburg, Glens) in Geyer 1910 p.311 and 19C. Urach in Geyer, 1915, p.81 and 22. in Dehm, 1967, p.140 | Urach | Germany | Ermstal-Seeburger Tal, Bad Urach | 48,488859 | 9,372179 | 3 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke <i>Catulus ruderatus</i> im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 7, 135-146. |
| 3112 | Urach (C19, stop Wasserfall in Geyer, 1915, p.82) | Urach | Germany | Ermstal | 48,499504 | 9,374894 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke <i>Catulus ruderatus</i> im Postglazial Süddeutschlands. <i>Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie</i> , 7, 135-146. |
| 2494 | Urus | Urus | Turkmenistan | | | | | Apheronian | 2.15 | 0.9 | Pleistocene | Andrusov, N. 1923. Apheronikyani yarus. Trudy Geologicheskogo Komiteta, novaya seriya, 110, 1-294. |
| 5281 | Uryu-Pokrovka (Log Krassny) | Uryu-Pokrovka | Russian Federation | | 51,105276 | 39,159422 | 2 | older than Alexandrian | 0.781 | 0.41 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geography and Geophysics, National Academy of Sciences, Belarus. |
| 5594 | Ust'-Bystryanskaya (Sinyi Ya section-bed) | Bystryanskaya | Russian Federation | | 47,79152 | 41,044515 | 2 | Eurasiat | 0.125 | 0.115 | Pleistocene | Fedorov, A. 1997. Biochronology of selected mammals, mollusks and ostracods from the Middle Pliocene to the Late Pleistocene in Italy. The state of the art. <i>Rivista Italiana di Paleontologia e Stratigrafia</i> , 103 (3), 369-388. |
| 3784 | Ukonosovka | Ukonosovka | Ukraine | Erdchukino; Erdic Burno, Erdic Burno; Erdokburno; Ion Gheorghe Duci | 45,49758 | 28,95673 | 2 | Pliocene (old boundaries) | 1.806 | 0,0117 | Pleistocene | Macarovici, N. 1940. Recherches géologiques et paléontologiques dans la Bassarabie méridionale (Roumanie). <i>Annales scientifiques de l'Université de Jassy</i> , 36 (1), 177-422. |
| 5090 | Utrillas (Las Parras) | Utrillas | Spain | | 40,81515 | -0,922929 | 2 | Quaternary (old boundaries) | 1.806 | 0 | Pleistocene | Madrigal Marco, M.C. 1973. Los gasterópodos dulceacuíferos Schwedians. Mollusken aus Klostergland. <i>Arkiv för kemi, mineralogi och geologi</i> , 3 (33), 43-161. |
| 4448 | Uzun-Su | Uzun-Su | Turkmenistan | | 39,17881 | 55,690906 | 2 | Noiocupin | 0,0117 | 0 | Holocene | Odlner, N. 1910. Beiträge zur Kenntnis der fossilen Molluskenfauna Schwedians. Mollusken aus Klostergland. <i>Arkiv för kemi, mineralogi och geologi</i> , 3 (33), 43-161. |
| 4609 | Vadstena (Rangitoppen between Vadstena and Motala) | Vadstena | Sweden | | 58,483143 | 14,956415 | 3 | Boreal | 0.009 | 0.008 | Holocene | Odner, N. 1910. Beitrag zur Kenntnis der fossilen Molluskenfauna Schwedians. Mollusken aus Klostergland. <i>Arkiv för kemi, mineralogi och geologi</i> , 3 (33), 43-161. |
| 4070 | Val di Chiana | Val di Chiana | Italy | | 43,249468 | 11,833499 | 2 | early Pliocene | 2.588 | 0,783 | Pleistocene | Gliozzi, E. et al. 1997. Biochronology of selected mammals, mollusks and ostracods from the Middle Pliocene to the Late Pleistocene in Italy. The state of the art. <i>Rivista Italiana di Paleontologia e Stratigrafia</i> , 103 (3), 369-388. |
| 2159 | Val Foldana | Val Foldana | Italy | | | | | early Pleistocene | 2.588 | 0,781 | Pleistocene | Wenz, W. 1923-1930. <i>Fossilium Catalogus I. Animalia. Gastropoda extramaria teriaria</i> . W. Junk, Berlin. |
| 2158 | Val Galentina | Val Galentina | Italy | | | | | early Pleistocene | 2.588 | 0,781 | Pleistocene | Wenz, W. 1923-1930. <i>Fossilium Catalogus I. Animalia. Gastropoda extramaria teriaria</i> . W. Junk, Berlin. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------------|---------------------------------|---|-----------|-----------|--------------------------------------|-------------------|---------------------|---------------------|-------------|---|
| 206 | Vallée des Tilles (drilling FP3) | Vallée des Tilles | France | | 47.280364 | 5.241158 | Gelasian to Calabrian | | 2,588 | 0.781 | Pleistocene | Eus, D. 1980. Neogene freshwater gastropods and their evolution in the Western Mediterranean area. <i>Geologica Romana</i> , 19, 231-249. |
| 5019 | Varna (Belosav, not horizontated Pleistocene, 6 in Petrbok, 1940a) | Varna | Bulgaria | Devna | 43.184865 | 27.683015 | Pliocene (old boundaries) | | 1,806 | 0.0117 | Pleistocene | Petrbok, J. 1940a. The Molluscs of the Bulgarian Quaternary. <i>Spisanie na Balgarskoto Geološko Družhestvo</i> , 11, 133-144. |
| 4069 | Varna (Belosav, Poveljanovo borehole) | Varna | Bulgaria | Poveljanovo | 43.199015 | 27.672783 | 3 Holocene | | 0.0117 | 0 | Holocene | Shopov, V., Yankova, D. 1987. Holocene gastropod fauna from the lakes of Durankulak and Šabla-Ezerec [in Bulgarian]. <i>Palaeontology, Stratigraphy and Lithology</i> , 24, 67-89. |
| 5071 | Varna (Holocene) | Varna | Bulgaria | | 43.184504 | 27.831876 | 3 Holocene | | 0.0117 | 0 | Holocene | Petrbok, J. 1930a. Zur Kenntnis der holozänen Mollusken von Bulgarien. <i>Archiv für Molluskenkunde</i> , 62 (2), 93-96. |
| 5018 | Varna (Litorinian-subboreal) | Varna | Bulgaria | | 43.184504 | 27.831876 | 3 Subboreal | | 0.0056 | 0.0028 | Holocene | Petrbok, J. 1940b. Zur Kenntnis der quartären Mollusken von Bulgarien. <i>Archiv für Molluskenkunde</i> , 72 (5/6), 151-157. |
| 4068 | Varma (Topolite borehole) | Varma | Bulgaria | Topoli | 43.200877 | 27.820924 | 3 Holocene | | 0.0117 | 0 | Holocene | Shopov, V., Yankova, D. 1987. Holocene gastropod fauna from the lakes of Durankulak and Šabla-Ezerec [in Bulgarian]. <i>Palaeontology, Stratigraphy and Lithology</i> , 24, 67-89. |
| 143 | Varvásaina | Varvásaina | Greece | Warwassena | 37.671966 | 21.498692 | 2 Gelasian | | 2,588 | 1.806 | Pleistocene | Hagenmann, J. 1976. Stratigraphy and sedimentary history of the Upper Cenozoic of the Pyrgos area (Western Peloponnesus), Greece. <i>Annales Géologiques des Pays Helléniques</i> , 28, 299-333. |
| 3818 | Vasilákion | Vasilákion | Greece | Tárapa; Tárpasa, Vasilákion | 36.88333 | 22.48333 | 2 early Pleistocene | | 2,588 | 0.781 | Pleistocene | Papp, A., Psalinos, P. 1955. Über einige Süßwassergastropoden aus pliozänen Ablagerungen Griechenlands. <i>Annales Géologiques des Pays Helléniques</i> , 6, 145-150. |
| 3061 | Velenje (Velenje depression, horizon E) | Velenje | Slovenia | | 46.382028 | 15.074028 | 2 Pleistocene | | 2,588 | 1.806 | Pleistocene | Brežigar, A., Kosl, G., Vrhovsek, D., Velković, F. 1985. Palaeontological investigations of the Plio-Quaternary beds of the Velenje depression. |
| 5694 | Velká Pavlovice | Czech Republic | Gross Pawlowitz, Groß Pawlowitz | | 48.904351 | 16.815719 | early Pleistocene (old boundaries) | | 1,806 | 0.781 | Pleistocene | Rachek, A. 1888. Die pliozäne Conchylienfauna Mährens. <i>Verhandlungen des naturforschenden Vereines in Brünn</i> , 26, 73-104. |
| 5662 | Veltheim (Veltheim-Fallstein, in Mania, 1973) | Veltheim | Germany | | 52.034405 | 10.745281 | 2 Fennoscandian | | 0.125 | 0.115 | Pleistocene | Mania, D. 1973. Paläoökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters im mittleren Elbe-Saalegebiet auf Grund von Molluskgesellschaften. <i>Geologie</i> , 21 (78/79), 1-175. |
| 3290 | Venosa (Loreto paleolithic site) | Venosa | Italy | | 40.976269 | 15.876961 | 2 Pleistocene | | 0.781 | 0.0117 | Pleistocene | Eus, D., Girotti, O. 1991. Late Pliocene and Pleistocene assemblages of continental molluscs in Italy. A survey. <i>Il Quaternario</i> , 4 (1a), 137-150. |
| 89 | Venta Micena (Cueva de Tomas, section CT in Anadón et al. 1987) | Venta Micena | Spain | | 37.736326 | -2.39723 | 2 early Calabrian | | 1,806 | 1.5 | Pleistocene | Anadón, P., Decker, P., Julia, R. 1987. The Pleistocene lake deposits of the NE Baza Basin (Spain): salinity variations and ostracod succession. <i>Hydrobiologia</i> , 14, 199-208. |
| 90 | Venta Micena (section X in Anadón et al. 1987) | Venta Micena | Spain | | 37.734001 | -2.397602 | 2 early Calabrian | | 1,806 | 1.5 | Pleistocene | Anadón, P., Decker, P., Julia, R. 1987. The Pleistocene lake deposits of the NE Baza Basin (Spain): salinity variations and ostracod succession. <i>Hydrobiologia</i> , 14, 199-208. |
| 91 | Venta Micena (section ZM in Anadón et al. 1987) | Venta Micena | Spain | | 37.729928 | -2.398496 | 2 early Calabrian | | 1,806 | 1.5 | Pleistocene | Anadón, P., Decker, P., Julia, R. 1987. The Pleistocene lake deposits of the NE Baza Basin (Spain): salinity variations and ostracod succession. <i>Hydrobiologia</i> , 14, 199-208. |
| 3681 | Ventė (Ventė ridge outcrop in Damušytė, 2009) | Ventė | Lithuania | | 55.352731 | 21.201433 | 1 Ma | | 0.01281 | 0.01208 | Pleistocene | Bánsa, A., Damišytė, A., Stankaitė, M., Alekša, P. 2002. Geological development of the Nemunas River Delta and adjacent areas, West Lithuania. <i>Geological Quarterly</i> , 46 (4), 375-389. |
| 4119 | Vernon (samples 1-9, new malacological investigations in Rousseau et al., 1992) | Vernon | France | | 49.096173 | 1.462457 | 2.05-0.4 Ma | | 0.4 | 0.35 | Pleistocene | Rousseau, D.-D., Psihogios, J.-J., Lécole, F. 1992. West-European terrestrial molluscs assemblages of isotopic stage 11 (Middle Pleistocene): climatic implications. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 92, 15-29. |
| 4059 | Vernou-la-Celle-sur-Seine (La celle, S2, S5 sections in Limondin-Louzouet et al. 2006) | Vernou-la-Celle-sur-Seine | France | | 48.388244 | 2.836889 | 2 MIS11 | | 0.42 | 0.38 | Pleistocene | Limondin-Louzouet, N., et al. 2006. Le tuf calcaire de La Celle-sur-Seine (Seine et Marne): nouvelles données sur un site clé du stade 11 dans le Nord de la France. <i>Quaternaire</i> , 17 (2), 5-29. |
| 4062 | Verrières (Les Coeurs and Grand-Champ sequences) | Verrières | France | | 48.228196 | 4.147878 | 2 Subbaltic | | 0.0129 | 0 | Holocene | Limondin, N., Rousseau, D.-D. 1991. Holocene climate as reflected by a malacological sequence at Verrières, France. <i>Boreas</i> , 20 (3), 207-229. |
| 3501 | Versoix (in front of Bellevue, station 36a in Favre, 1927) | Versoix | Switzerland | | 46.254355 | 6.155377 | 2 Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. <i>Mémoires de la Société de Physique et d'Historie Naturelle de Genève</i> , 40 (3), 171-134. |
| 3502 | Versoix (in front of Versoix, station 36b in Favre, 1927) | Versoix | Switzerland | | 46.283451 | 6.167381 | 2 Postglacial | | 0.01 | 0.003 | Holocene | Favre, J. 1927. Les mollusques post-glaciaires et actuels du bassin de Genève. <i>Mémoires de la Société de Physique et d'Historie Naturelle de Genève</i> , 40 (3), 171-134. |
| 3525 | Versoix (Mies, mouth of Törry, station 1 in Favre, 1935) | Versoix | Switzerland | | 46.304579 | 6.180816 | 2 Paleolithic (end to Boreal) | | 0.01 | 0.008 | Holocene | Favre, J. 1935. Études sur la partie occidentale du lac de Genève. II Histoire malacologique du lac de Genève. <i>Mémoires de la Société de Physique et d'Historie Naturelle de Genève</i> , 41 (3), 295-414. |
| 5018 | Vidre (not horizontated Holocene, Topolovica shore, at the Danube) | Vidre | Bulgaria | | 43.937784 | 23.839997 | 2 Holocene | | 0.0117 | 0 | Holocene | Petrbok, J. 1940b. Zur Kenntnis der quartären Mollusken von Bulgarien. <i>Archiv für Molluskenkunde</i> , 72 (5/6), 151-157. |
| 2893 | Viermheim (12.49-7.9 m - qp(i) in Wedel, 2008) | Viermheim | Germany | | 49.563862 | 8.569429 | 2 late Middle Pleistocene | | 0.46 | 0.126 | Pleistocene | Wedel, J. 2008. Pleistocene molluscs from research boreholes in the Heidelberg Basin. <i>Eiszeitlicher und Gegenwart Quaternary Science Journal</i> , 57 (2), 197-212. |
| 2900 | Viermheim (131.25-223.15 m - qp(a) in Wedel, 2008) | Viermheim | Germany | | 49.563862 | 8.569429 | 2 early Pleistocene (old boundaries) | | 1.806 | 0.781 | Pleistocene | Wedel, J. 2008. Pleistocene molluscs from research boreholes in the Heidelberg Basin: Eiszeitlicher und Gegenwart Quaternary Science Journal, 57 (3/4), 382-402. |
| 2898 | Viermheim (50.1-116 m - qp(m) in Wedel, 2008) | Viermheim | Germany | | 49.563862 | 8.569429 | 2 Pleistocene | | 0.781 | 0.46 | Pleistocene | Wedel, J. 2008. Pleistocene molluscs from research boreholes in the Heidelberg Basin: Eiszeitlicher und Gegenwart Quaternary Science Journal, 57 (3/4), 382-402. |
| 5561 | Vieste (Oyster Pit doline) | Vieste | Italy | | 41.993472 | 16.252472 | 0.012912 | 0.011978 Ma | 0.012912 | 0.011978 | Pleistocene | Taviani, M., et al. 2012. Drowned karst landscape offshore the Apulian margin (Southern Adriatic Sea, Italy). <i>Journal of Cave and Karst Studies</i> , 74 (2), 197-212. |
| 1943 | Villemeot (Le Moulin des Ponts) | Villemeot | France | Moulin-des-Ponts (Ain) | 46.328587 | 5.131356 | 2 MIS 17 | | 2.5 | 1.8 | Pleistocene | FreshGEN team decision |
| 5247 | Vilnius (Valakampiai) | Vilnius | Lithuania | | 54.731223 | 25.302306 | 2 Subboreal | | 0.2 | 0.125 | Pleistocene | Lišček, J., Molobrová, A. 2002. ESR ages of three Lithuanian Mid-Late Pleistocene Interglacials methodical and stratigraphical approach. <i>Geochronometria</i> , 21, 57-64. |
| 3912 | Vilnius (Valakampiai section-exbow lake sediments of the Neris River) | Vilnius | Lithuania | | 54.735759 | 25.293935 | 2 Ma | | 0.00577 | 0.00074 | Holocene | Gigibulashvili, A., Sanko, A., Pashov, A., Parveliashvili, J., Michelezky, A., Budanovici, S. 2007. Buried oaks and malacoifauna of Holocene exbow lake sediments in the Valakampiai section, Lithuania. <i>Geologia</i> , 58, 34-48. |
| 5261 | Vitebsk (Black Beach) | Vitebsk | Belarus | Chemny Bereg, Chernyj Berezh | 55.443163 | 30.737346 | 3 Interfacial | | 0.125 | 0.115 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5841 | Vitteux (S of Vitteux, Brenne tributary, levels 3 to 6) | Vitteux | France | | 47.389923 | 4.547037 | 2 Subbaltic | | 0.0928 | 0 | Holocene | Puisséjour, J.-J. 1976. Mollusques continentaux quaternaires de Bourgogne. <i>Mémoires géologiques de l'Université de Dijon</i> , 3, 1-241. |
| 5272 | Vladimirovka | Vladimirovka | Russian Federation | | 50.827144 | 39.889006 | 2 Interregional | | 0.41 | 0.38 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3779 | Vladychen' (near church, Pleistocene) | Vladychen' | Ukraine | Imputitsa; Imputitsa; Imputitsa; Vladicheni | 45.56253 | 28.60461 | 2 boundaries | | 1.806 | 0.0117 | Pleistocene | Marcussen, I. 1940. Recherches géologiques et paléontologiques dans la Bassessarie méridionale (Roumanie). <i>Annales scientifiques de l'Université de Jassy</i> , 36 (1), 177-422. |
| 5706 | Voigtstedt (grünen Anodonten-lettern from Wust's list from Zeissler, 1965) | Voigtstedt | Germany | | 51.388815 | 11.305068 | 2 Interfacial | | 0.86 | 0.7 | Pleistocene | Meijer, T., Preco, R.C. 1996. Malacological evidence relating to the stratigraphical position of the Cromerian 53-82. In: Turner, C. (eds) <i>The Early Middle Pleistocene in Europe</i> . A.A. Balkema, Rotterdam, Brookfield. |
| 4594 | Voigtstedt (Muschelkalk/Unit II - Artem Interglacial and Wust's list from Zeissler, 1965) | Voigtstedt | Germany | | 51.388815 | 11.305068 | 2 Interfacial I | | 1.2 | 0.78 | Pleistocene | FreshGEN team decision |
| 3888 | Vojkovice (on Vltava, site A in table 2 in Ložek, 2001) | Vojkovice | Czech Republic | | 50.313374 | 14.369211 | 2 Pleistocene | | 0.028 | 0.0147 | Pleistocene | Ložek, V. 1990. Molluscs in loess, their paleoecological significance and role in geochronology-Principles and methods. <i>Quaternary International</i> , 7/8, 17-79. |
| 3559 | Vojvodina (wider area of Banat and Bačka) | Vojvodina | Serbia | | 45.379105 | 20.41576 | 4 Stein Series | | 2,588 | 0.126 | Pleistocene | Nestorović, D., Gađanić, T., Bogićević, K., Gulan, Z. 2011. The lower Quaternary boundary in the Southeastern Srem (North Serbia). <i>Bulletin of the Natural History Museum</i> , 4, 23-36. |
| 5280 | Volnaya Vershina | Volnaya Vershina | Russian Federation | | 51.837451 | 42.25734 | 3 older than Alexandrian | | 0.781 | 0.41 | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5173 | Volosovo | Volosovo | Belarus | | 55.076473 | 30.218772 | 2 Holocene | | 0.0117 | 0 | Holocene | Marcussen, I. 1967. The freshwater Molluscs in the Late-Glacial and early Post-Glacial deposits in the bog of Barrosen, southern Sjælland, Denmark. <i>Mitteilungen der Geologischen und Paläontologischen Gesellschaften Deutschlands</i> , 26, 266-283. |
| 5681 | Vordingborg (Barmosen deposits) | Vordingborg | Denmark | | 55.048299 | 11.889266 | 2 late Weichselian | | 0.0147 | 0.007 | Holocene | Falkö, L. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5171 | Voronezh (Bogdanovka) | Voronezh | Russian Federation | | 51.567536 | 38.900886 | 2 Interregional | | 0.781 | 0.41 | Pleistocene | Rachell, J. 1963. Die pleistozänen Conchylienfauna Mährens. <i>Archiv für Molluskenkunde</i> , 62 (2), 93-96. |
| 5120 | Voronezh (Don floodplain) | Voronezh | Russian Federation | | 51.322677 | 39.185945 | 3 Holocene | | 0.0117 | 0 | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5265 | Voronezh (Log Shemoplevskiy) | Voronezh | Russian Federation | | 51.547374 | 38.908621 | 3 Interglacial | | 0.41 | 0.38 | Pleistocene | Falkö, L. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5535 | Vör (VÖRS, vicinity of the village, left side of the channel) | Vör | Hungary | | 46.664829 | 17.259796 | 2 Holocene | | 0.0117 | 0 | Holocene | Falkö, L. 2008. Quantitative mollusc assemblages at the vicinity of Vör, Máriaúszonyzsgyet emphasis on environmental reconstruction. <i>Mitteilungen der Geologischen und Paläontologischen Gesellschaften Deutschlands</i> , 26, 547-548. |
| 5534 | Vör (VÖRS, vicinity of the village, II and III) | Vör | Hungary | | 46.697884 | 17.257677 | 3 Holocene | | 0.0117 | 0 | Holocene | Falkö, L. 2008. Quantitative mollusc assemblages at the vicinity of Vör, Máriaúszonyzsgyet emphasis on environmental reconstruction. <i>Mitteilungen der Geologischen und Paläontologischen Gesellschaften Deutschlands</i> , 26, 5-17. |
| 5536 | Vör (Vörös-berek II and III) | Vör | Hungary | | 46.677155 | 17.265289 | 2 Holocene | | 0.0117 | 0 | Holocene | Falkö, L. 2008. Quantitative mollusc assemblages at the vicinity of Vör, Máriaúszonyzsgyet emphasis on environmental reconstruction. <i>Mitteilungen der Geologischen und Paläontologischen Gesellschaften Deutschlands</i> , 26, 5-17. |
| 5537 | Vör (Vörös-berek) | Vör | Hungary | | 46.701815 | 17.257322 | 3 Holocene | | 0.0117 | 0 | Holocene | Falkö, L. 2008. Quantitative mollusc assemblages at the vicinity of Vör, Máriaúszonyzsgyet emphasis on environmental reconstruction. <i>Mitteilungen der Geologischen und Paläontologischen Gesellschaften Deutschlands</i> , 26, 5-17. |
| 5538 | Vör (Zala-Vimziúvek) | Vör | Hungary | | 46.701815 | 17.257322 | 3 Holocene | | 0.0117 | 0 | Holocene | Falkö, L. 2008. Quantitative mollusc assemblages at the vicinity of Vör, Máriaúszonyzsgyet emphasis on environmental reconstruction. <i>Mitteilungen der Geologischen und Paläontologischen Gesellschaften Deutschlands</i> , 26, 5-17. |
| 3821 | Vrokhitsa | Vrokhitsa | Greece | Brochitza; Vrokhitsa; Vrokhitsa | 37.75865 | 21.449296 | 2 early Pleistocene | | 2,588 | 0.781 | Pleistocene | Papp, A. 1955. Brack- u. Süßwasserfauna Griechenlands. B. Bemerkungen über Melanopsis der Untergruppe der Tellinidae. <i>Annales Géologiques des Pays Helléniques</i> , 6, 122-132. |
| 3669 | Vyskov | Vyskov | Czech Republic | Wschau | 49.277372 | 16.996444 | 2 middle Pleistocene | | 0.781 | 0.128 | Pleistocene | Rachell, J. 1963. Die pleistozänen Conchylienfauna Mährens. <i>Archiv für Molluskenkunde</i> , 62 (2), 93-96. |
| 5733 | Wageningen (Fransche Kamp, subunit 3a) | Wageningen | Netherlands | | 51.995093 | 5.706984 | 2 Saalian | | 0.38 | 0.125 | Pleistocene | Meijer, T. 1991. Molluscan investigation of ice-pushed Pleistocene deposits near Wageningen, The Netherlands. <i>Mitteilungen der Rijks Geologische Dienst</i> , 46, 55-64. |
| 5734 | Wageningen (Fransche Kamp, subunit 3b) | Wageningen | Netherlands | | 51.995093 | 5.706984 | 2 Saalian | | 0.38 | 0.125 | Pleistocene | Meijer, T. 1991. Molluscan investigation of ice-pushed Pleistocene deposits near Wageningen, The Netherlands. <i>Mitteilungen der Rijks Geologische Dienst</i> , 46, 55-64. |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|--|------------------------|----------------|--------------------|-----------|------------|----------------------|---------------------------------|---------------------|---------------------|-------------|---|
| 4629 | Walcheren (Flushing, 12.4m-14.5m) | Walcheren | Netherlands | | 51.447549 | 3.615908 | 2 | Weichselian | 0.115 | 0.0117 | Pleistocene | Kuijper, W.J. 1968. Weichselienmollusken uit een boring op Walcheren. Mededelingen van de Werkgroep voor Tertiaire en Quartaire Geologie, 5 (2), 26-32. |
| 4629 | Walcheren (Flushing, 14.5m-15.5m) | Walcheren | Netherlands | | 51.447549 | 3.615908 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Kuijper, W.J. 1968. Weichselienmollusken uit een boring op Walcheren. Mededelingen van de Werkgroep voor Tertiaire en Quartaire Geologie, 5 (2), 26-33. |
| 1973 | Waldringfield | Waldringfield | United Kingdom | | 52.052886 | 1.327236 | 2 | Red Crag (Gelasian) | 2.61 | 2.13 | Pleistocene | Wenz, W. 1923-1930. Fossilium Catalogus I. Animalia. Gastropoda extramaria tertiaria. W. Junk, Berlin. |
| 5655 | Wallensen (Alluvial beds) | Wallensen | Germany | | 52.008841 | 9.645149 | 2 | Alluvial (Holocene) | 0.0117 | 0 | Holocene | Menzel, H. 1904. Beiträge zur Kenntnis der Quartärbildungen im südlichen Hannover. I. Die Interglazialschichten von Wallensen in der Hilsmulde. Jb. k. preuss. Geol. Landesamt Bergakad. Berlin, 24, 254-289. |
| 5655 | Wallensen (Interglacial beds) | Wallensen | Germany | | 52.008841 | 9.645149 | 2 | Interglacial | 0.41 | 0.0117 | Pleistocene | FreshGEN team decision |
| 5512 | Warsaw (Kampinos Primeval Forest, deposit VII near Zamość) | Warsaw | Poland | | 52.320939 | 20.487534 | 2 | late Vistulan to early Holocene | 0.0119 | 0.0078 | Holocene | Alexandrowicz, S.W., Zurek, S. 1998. Jeziorne osady holocenu w śródziemiu północy bagien Puszczy Kampinoskiej. Geologia, Kwartalnik AGH, 24 (4), 333-351. |
| 4841 | Warsaw (Okopowa, faunal list, locality 35 in Alexandrowicz and Alexandrowicz, 2010) | Warsaw | Poland | | 52.246009 | 20.97502 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Poloniae, 80, 69-87. |
| 3942 | Warsaw (Wola) | Wola | Poland | | 52.233753 | 20.993036 | 2 | Masovian II | 0.125 | 0.115 | Pleistocene | Urbanski, J. 1954. Miesiące i sezon Miejszliodowcowych na Wołi w Warszawie. Biuletyn Państwowego Instytutu Geologicznego, 69 (5), 141-147. |
| 4426 | Watford (Watford Gas Works) | Watford | United Kingdom | | 51.659437 | -0.390982 | 2 | Roman period | 0.002 | 0.0015 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 3081 | Weilheim in Oberbayern (Eibenwald, Paterzell 7 km N Weilheim in Oberbayern, no 31 in Dehm, 1967) | Weilheim in Oberbayern | Germany | | 47.857003 | 11.0847403 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 3082 | Weilheim in Oberbayern (Polling 4 km SSW Weilheim in Oberbayern, no 32 in Dehm, 1967) | Weilheim in Oberbayern | Germany | | 47.811591 | 11.135194 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 3094 | Weilheim in Oberbayern (Polling, Grabung) | Weilheim in Oberbayern | Germany | | 47.806626 | 11.147444 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Hermann, H. 1957. Die Entstehungsgeschichte der postglazialen Kalktuffe der Umgebung von Weilheim (Oberbayern). Neues Jahrbuch für Geologie und Paläontologische Abhandlungen, 105, 11-46. |
| 3093 | Weilheim in Oberbayern (Polling, LINDNER) | Weilheim in Oberbayern | Germany | | 47.807848 | 11.14709 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Hermann, H. 1957. Die Entstehungsgeschichte der postglazialen Kalktuffe der Umgebung von Weilheim (Oberbayern). Neues Jahrbuch für Geologie und Paläontologische Abhandlungen, 105, 11-46. |
| 3095 | Weilheim in Oberbayern (Polling, Sportsplatz) | Weilheim in Oberbayern | Germany | | 47.80932 | 11.146576 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Zessner, H. 1969. Konchylien aus den nährreichen Imaublagerungen von Stülenborn bei Weimar. Paläontologische Abhandlungen, 3 (3/4), 415-461. |
| 4644 | Weimar (Süßenborn, Lower Marl and Gravel, Upper Marl and Gravel) | Weimar | Germany | | 50.986033 | 11.394838 | 2 | Mindel | 0.46 | 0.41 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eisezeitalters im mittleren Elbe-Saaletal auf Grund von Moluskengesellschaften. Geologie, 21 (78/79), 1-175. |
| 5678 | Weimar (table 28 in Mania, 1973) | Weimar | Germany | | 50.98418 | 11.322189 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eisezeitalters im mittleren Elbe-Saaletal auf Grund von Moluskengesellschaften. Geologie, 21 (78/79), 1-175. |
| 3117 | Weisensteig (C21, oberen Filstal in Geyer, 1915) | Weisensteig | Germany | | 48.563255 | 9.630241 | 2 | Jüngere Kalktrappe | 0.0117 | 0 | Holocene | Geyer, D. 1915. Die Mollusken der schwäbischen Kalktrappe, Jahresheft des Vereins für vaterländische Naturkunde in Württemberg, 71, 55-114. |
| 3266 | Welden (Ziegeler Grube, no 9 in Müntzing and Aktas, 1987) | Welden | Germany | | 48.459441 | 10.662948 | 2 | 1.5-1.3 Ma | 1.5 | 1.3 | Pleistocene | Müntzing, K., Aktas, A. 1987. Weitere Funde molluskenfördernder Mergelagen im Unteren Decksschotter von Bayerisch Schwaben. Jahresberichte und Mitteilungen des Oberbayerischen geologischen Vereines, Neue Folge, 69, 181-193. |
| 4593 | Wendelstein (Meleniopsis Kies-Arenen Interglacial and table 25 in Mania, 1973) | Wendelstein | Germany | | 51.275391 | 11.469643 | 2 | Cromerian | 1.2 | 0.78 | Pleistocene | FreshGEN team decision |
| 2291 | West Runton | West Runton | United Kingdom | | 52.937569 | 1.243984 | 2 | Cromerian | 0.86 | 0.46 | Pleistocene | Stuart, A.J., Lister, A.M. 2010. The West Runton Freshwater Bed and the West Runton Mammoth: Summary and conclusions. Quaternary International, 228, 241-248. |
| 4565 | West Runton (in Preese, 2001) | West Runton | United Kingdom | | 52.938811 | 1.244001 | 2 | Interglacials I-II | 0.86 | 0.68 | Pleistocene | Preece, R.C. 2001. Molluscan evidence for differentiation of interglacials within the 'Cromerian Complex'. Quaternary Science Reviews, 20, 1643-1656. |
| 4130 | West Runton (Sections A and B in Sparks, 1963) | West Runton | United Kingdom | | 52.938811 | 1.244001 | 2 | Cromerian | 0.86 | 0.46 | Pleistocene | Dehm, R. 1963. Appendix 3. Non-marine mollusca from the Cromer Forest Bed Series at West Runton. In: Dugan S.L., Sparks B.W. (eds) Pollen Analysis of the Cromer Forest Bed Series at East Anglia. Phil. Trans. R. Soc. London B, 246, 149-202. |
| 4651 | Westhofen (13 km NW of Worms) | Westhofen | Germany | | 49.698871 | 8.24249 | 2 | early Divalis | 1.806 | 0.781 | Pleistocene | Witsch, E. 1902. Dithysan Conchylenfunden aus Rheinhessen. Nachrichten der Deutschen Makrozoologischen Gesellschaft, 34, 122-130. |
| 5225 | Wheatley | Wheatley | United Kingdom | | 53.362704 | -0.858384 | 2 | Holocene | 0.0117 | 0 | Holocene | Davis, A.G., Pitchford, G.W. 1958. The Holocene molluscan fauna of Southwell and Wheatley, Nottinghamshire. Journal of Conchology, 24 (7), 227-233. |
| 4423 | Wicken (lode between Upware and S end of Wicken Fen) | Wicken | United Kingdom | | 52.306202 | 0.280902 | 2 | Holocene | 0.0117 | 0 | Holocene | Kennard, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-878X(22)80002-X |
| 4142 | Wien (Akte Donau bei Wien, station 6 in Frank, 2006) | Wien | Austria | | 48.2425 | 16.413611 | 1 | Subrecent | 0.0117 | 0 | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 6, Wien. |
| 4132 | Wien (Schloss Kaiserreichsdorf, station 137 in Frank, 2006) | Wien | Austria | | 48.15 | 16.466667 | 2 | early Pleistocene | 0.0004 | 0.0002 | Holocene | Frank, C. 2006. Plio-pleistozäne und holozäne Mollusken Österreichs. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 6, Wien. |
| 4170 | Wien (Wienerberg, station 171 in Frank, 2006) | Wien | Austria | | 48.161667 | 16.35 | 2 | Pleistocene (old boundaries) | 1.806 | 0.781 | Pleistocene | Wenz, W. 1914. Ein Schmelzwasserkommen innerhalb der Mosbacher Sande. Jahresberichte und Mitteilungen des oberhessischen geologischen Vereines, 1 (1), 5-10. |
| 4853 | Wiesbaden (Biebrich-Erbenheim) | Wiesbaden | Germany | | 50.052868 | 8.27425 | 2 | boundaries | 1.806 | 0.0117 | Pleistocene | Alexandrowicz, W.P. 2000. The Malacofauna of the Upper Holocene lacustrine sediments of Wiggly lake (N Poland). Folia Malacologica, 8 (2), 141-149. |
| 4054 | Wigry (Bi-I, profile Bi-I, gulf in the NW part of lake Bielsko) | Wigry | Poland | | 54.031795 | 23.099718 | 2 | upper Holocene | 0.00585 | 0 | Holocene | Alexandrowicz, W.P. 2000. The Malacofauna of the Upper Holocene lacustrine sediments of Wigry lake (N Poland). Folia Malacologica, 8 (2), 141-149. |
| 4050 | Wigry (Wg-I, near Ostrów island) | Wigry | Poland | | 54.031795 | 23.099718 | 2 | upper Holocene | 0.00585 | 0 | Holocene | Alexandrowicz, W.P. 2000. The Malacofauna of the Upper Holocene lacustrine sediments of Wigry lake (N Poland). Folia Malacologica, 8 (2), 141-149. |
| 4051 | Wigry (Wg-II, shallow waters, middle of the lake) | Wigry | Poland | | 54.019334 | 23.092558 | 2 | upper Holocene | 0.00585 | 0 | Holocene | Alexandrowicz, W.P. 2000. The Malacofauna of the Upper Holocene lacustrine sediments of Wigry lake (N Poland). Folia Malacologica, 8 (2), 141-149. |
| 4052 | Wigry (Wg-III, near Kamień island) | Wigry | Poland | Dlugi Kamiń | 54.027125 | 23.131038 | 2 | upper Holocene | 0.00585 | 0 | Holocene | Alexandrowicz, W.P. 2000. The Malacofauna of the Upper Holocene lacustrine sediments of Wigry lake (N Poland). Folia Malacologica, 8 (2), 141-149. |
| 4053 | Wigry (Wg-IV, northern, marginal zone of Ostrów island) | Wigry | Poland | Dlugi Kamiń | 54.008885 | 23.070392 | 2 | upper Holocene | 0.00585 | 0 | Holocene | Alexandrowicz, W.P. 2000. The Malacofauna of the Upper Holocene lacustrine sediments of Wigry lake (N Poland). Folia Malacologica, 8 (2), 141-149. |
| 3099 | Wildberg (3. Güttingen in Geyer, 1910 and Dehm, 1967 p. 144) | Wildberg | Germany | | 48.636474 | 8.764134 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der prähistorischen Kommission der österreichischen Akademie der Wissenschaften, 6, Wien. |
| 3310 | Widño (profiles W1,2,3,4,12 in Dzierzek and Szymbański, 2013) | Widño | Poland | | 52.941195 | 19.221213 | 2 | Interplenistulian | 0.0437 | 0.0313 | Pleistocene | Dziękot, J., Skymański, M. 2013. Interplenistulian (MIS 3) environmental changes recorded in till-lake deposits at Widno, Dobrzyn Lakeland (Polish Lowland). Quaternary, 294, 99-107. |
| 4420 | Wisbech (Wisbech St. Mary) | Wisbech | United Kingdom | | 52.652681 | 0.097123 | 2 | Holocene | 0.0117 | 0 | Holocene | Kenward, A.S., Woodward, B.B. 1922. The Post-Pleocene non-marine Mollusca of the East of England. Proceedings of the Geologists' Association, 33 (2), 104-142. DOI: 10.1016/S0016-878X(22)80002-X |
| 3261 | Wischburg (horizon WII) | Wischburg | Germany | | 48.829873 | 12.777486 | 2 | Wurm | 0.115 | 0.0117 | Pleistocene | Brunnacker, M., Brunnacker, K. 1992. Die Molluskenfauna ehemaliger Lößprofile im Donautal. Geologische Blätter für Nordost-Bayern und angrenzende Gebiete, 6 (3), 91-100. |
| 4229 | Wyslka (Zydlowiec peat bog, drillings Zd-1 to V) | Wyslka | Poland | | 50.359444 | 20.678611 | 1 | Holocene | 0.0117 | 0 | Holocene | Alexandrowicz, W.P., Zurek, S. 2013. Holocene malacofauna from a peat bog in Zydlowiec, Near Wyslka (Nida Basin, Southern Poland). Folia Malacologica, 21 (3), 161-170. |
| 4820 | Władyśławow (faunal list [not complete], fig 9 in Alexandrowicz and Alexandrowicz, 2010) | Władyśławow | Poland | | 52.116966 | 18.848297 | 2 | Eemian | 0.125 | 0.115 | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Poloniae, 80, 69-87. |
| 3084 | Wolfegg (Weissenbronn bei Wolfegg, 14 km ENE Ravensburg, no 34 in Dehm, 1967) | Wolfegg | Germany | Wolfegger Aachtal | 47.831733 | 9.763568 | 2 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 2977 | Wolfegg (Weissenbronn) | Wolfegg | Germany | | 47.831733 | 9.763568 | 3 | Postglacial | 0.01 | 0.003 | Holocene | Dehm, R. 1967. Die Landschnecke Discus ruderatus im Postglazial Süddeutschlands. Mitteilungen der Bayerischen Staatsammlung für Paläontologie und Historische Geologie, 7, 135-155. |
| 5697 | Wolfskehlen (samples A, J, K, M) | Wolfskehlen | Germany | | 49.853597 | 8.497538 | 2 | late Pleistocene | 0.126 | 0.0117 | Pleistocene | Neuber, E., Kinkelbach, R. 1968. Warm- und kalzifizierende Mollusken aus der nördlichen Oberreihenebene. In: Koenigswald, W. v. (Hrsg.). 1968. Zur Paläoklimatologie des letzten Interglazials im Nordteil der Oberreihenebene. Fischer Verlag, Stuttgart. |
| 3264 | Wollbach (Fuchsberg 1.5 km NW Wollbach, no 7 in Müntzing and Aktas, 1987) | Wollbach | Germany | | 48.425761 | 10.567656 | 2 | 1.3-1.1 Ma | 1.3 | 1.1 | Pleistocene | Müntzing, K., Aktas, A. 1987. Weitere Funde molluskenfördernder Mergelagen im Unteren Decksschotter von Bayerisch Schwaben. Jahresberichte und Mitteilungen des Oberbayerischen geologischen Vereins, Neue Folge, 69, 181-193. |
| 3322 | Wooler (farm Liburn South Steads, 6 km SE of Wooler) | Wooler | United Kingdom | | 55.504659 | -1.957042 | 2 | Ma | 0.01357 | 0.00864 | Holocene | Jones, R.L., Keen, D.H., Robinson, J.E. 2000. Devensian Langdale and early Holocene floral and faunal records from NE Northumberland. Proceedings of the Yorkshire Geological Society, 53, 97-110. |
| 5751 | Worbis (Neumühle) | Worbis | Germany | | 51.410181 | 10.379 | 2 | late Pleistocene | 0.0117 | 0 | Holocene | Klett, B. 1928. Die Conchylen älterer und aluvialer Schichten in Westfalen. Zeitschrift für Naturwissenschaften, 88, 57-148. |
| 5508 | Worobin (samples 1 to 9) | Worobin | Poland | | 52.189887 | 23.364561 | 1 | Holocene | 0.0078 | 0 | Holocene | Alexandrowicz, W.P., Kusznierzuk, M. 2012. Evolution of the Bug River Valley during the Holocene in the environs of Janów Podlaski (Eastern Poland) in the light of molluscan analysis of oxbow lake deposits. Folia Malacologica, 20 (4), 295-304. |
| 5817 | Wortwell (zones Ia and Ib) | Wortwell | United Kingdom | | 52.412152 | 1.343559 | 2 | Ipwichian | 0.125 | 0.115 | Pleistocene | Sparks, B., W., R.G. 1964. Interglacial deposits at Wortwell, Norfolk. The Geological Magazine, 471-480. |
| 5830 | Wretton (zones f and g) | Wretton | United Kingdom | | 52.571341 | 0.493609 | 2 | Last Interglacial | 0.127 | 0.118 | Pleistocene | Gillet, S., Sauvage, J., Keradens, B. 1979. Étude paléontologique du plio-pleistocene de Locride et d'Eubée occidentale (Grèce centrale): Malacologie et palynologie. Annales Géologiques des Pays Helléniques, 29 (2), 554-580. |
| 2797 | Yaltra | Yaltra | Greece | Gialtra | 38.857447 | 22.980897 | 2 | Aphorian | 2.15 | 0.9 | Pleistocene | Jones, M.D., Lenz, M.J., Eastwood, W.J., Keen, D.H., Turner, C.S.M. 2002. Interpreting stable-isotope records from freshwater snail-shell carbonate: a Holocene case study from Lake Gölköy, Turkey. The Holocene, 12 (5), 629-634. DOI: 10.1191/0959610202hl020hl. |
| 5889 | Yamadi (core GHA92) | Yamadi | Turkey | | 37.111137 | 29.614061 | 2 | Ma | 0.009564 | 0.00347 | Holocene | |

| ID | Locality | Administrative unit | Country | Alternate spelling | Latitude | Longitude | Geographic precision | Stratigraphic age | Age, lower boundary | Age, upper boundary | Epoch | Reference |
|------|---|---------------------|----------------------------|-----------------------|-----------|-----------|---|-------------------|---------------------|---------------------|-------------|---|
| 5175 | Varemych | Varemych | Belarus | | 53.569771 | 26.344492 | Pleistocene 2(Holocene) | 0.115 | 0 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 4449 | Yaskha (Yashka Lake) | Yashka | Turkmenistan | Yashkan; Ozero Yashka | 39.69742 | 55.57241 | Pleistocene 2(Khvalian) | 0.2 | 0.0117 | | Pleistocene | Nevezinskaya, L.A. 1958. Cheverichnye morevkiy molluski Turkmenii. Trudy Paleontologicheskogo Instituta, 65, 1-82. |
| 2308 | Yayladag | Yayladag | Turkey | | 40.034121 | 41.639617 | Pleistocene 2(Quaternary (old boundaries)) | 21.55-1.0 Ma | 1.55 | 1 | Pleistocene | Vaslyan, D., Schneider, S., Bayrakutan, M.S., Sen, S. 2014. Early Pleistocene freshwater communities and rodents from the Pasinker Basin (Erzurum Province, north-eastern Turkey). M.S. Turkish Journal of Earth Sciences, 23, 293-307. doi: 10.3906/yer-1307-16. |
| 3885 | Yerevan (Karmir Blur-Yenidzha) | Yerevan | Armenia | | 40.129672 | 44.455118 | Pleistocene 2(Holocene) | 1.806 | 0 | | Pleistocene | Aslanyan, P.M. 1964. Novyye mestonakhozhdeniya pleystosenovykh presnovodnykh molluskov bliz' Yerevana. Izvestiya Akademii Nauk Armniiyskoy SSR, 19 (4), 3-9. |
| 5121 | Yurovo | Yurovo | Belarus | Jurovo | | | Pleistocene 2(Holocene) | 0.0117 | 0 | | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3946 | Zabrzezie (borehole 24/17) | Zabrzezie | Poland | | 51.232535 | 19.133387 | Pleistocene 2(Eemian) | 0.125 | 0.115 | | Pleistocene | Marciniak, A. 1971. Fauna mączaków w osadach interglacjalnych Lesnej Niwy i Zabrzezie. Biuletyn Państwowego Instytutu Geologicznego, 254 (13), 89-110. |
| 5500 | Zaczepki (samples 1 to 8) | Zaczepki | Poland | | 52.166148 | 23.398109 | Pleistocene 2(early Holocene) | 0.0117 | 0.0078 | | Holocene | Alexandrowicz, W.P., Kusmerek, M. 2012. Evolution of the Bug River Valley during the Holocene in the environs of Janów Podlaski (Eastern Poland) in the light of malacological analysis of oxbow lake deposits. Folia Malacolopica, 20 (4), 295-304. |
| 5808 | Zadębiec (km NW of Hrubieszów) | Zadębiec | Poland | Zadębiec | 50.851737 | 23.773208 | Pleistocene 2(Preglacial) | 2.588 | 1.806 | | Pleistocene | Proszynski, M. 1952. Sposobienia geologiczne z Dzoreczka Bugu. Biuletyn Państwowego Instytutu Geologicznego, 65 (1), 313-364. |
| 5122 | Zakružka | Zakružka | Belarus | Zakružka | 53.661664 | 27.567178 | Pleistocene 2(Holocene) | 0.0117 | 0 | | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5298 | Zarechye | Zarechye | Belarus | Zariečje | 53.817241 | 31.746708 | Pleistocene 2(Holocene) | 0.0117 | 0 | | Holocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5124 | Zarowno | Zarowno | Poland | | 53.827101 | 22.899948 | Pleistocene 2(Interstadial) | 1.2 | 0.8 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 5810 | Zarzecze | Zarzecze | Poland | | 51.204763 | 23.475261 | Pleistocene 2(Vorster section) | 1.806 | 0.0117 | | Holocene | Proszynski, M. 1952. Sposobienia geologiczne z Dzoreczka Bugu. Biuletyn Państwowego Instytutu Geologicznego, 65 (1), 313-364. |
| 5574 | Zawadówka (Zaw-75a1 - Zaw-75a19) | Zawadówka | Poland | | 51.123333 | 23.390833 | Pleistocene 2(Subatlantic) | 0.0115 | 0 | | Holocene | Dobrowski, R., Hajdas, J., Melko, J., Alexandrowicz, W.P. 2005. Chronostratigraphy of calcareous mire sediments at Zawadówka (eastern Poland) and their use in paleogeographical reconstruction. Geochronometria, 24, 69-79. |
| 4810 | Zbytki (faunal list [not complete?], fig 7 in Alexandrowicz and Alexandrowicz, 2010) | Zbytki | Poland | | 51.874967 | 16.8239 | Pleistocene 2(Eemian) | 0.125 | 0.115 | | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Poloniae, 80, 69-87. |
| 3891 | Žádánice (Pedocomplex PKII, site C in table 6 in Ložek, 2001) | Žádánice | Czech Republic | | 49.07052 | 17.027943 | Pleistocene 2(Early Glacial) | 0.115 | 0.015 | | Pleistocene | Ložek, V. 2001. Molluscan fauna from the loess series of Bohemia and Moravia. Quaternary International, 76/77, 141-156. |
| 4638 | Zelzate (kanaal) | Zelzate | Belgium | | 51.196232 | 3.804045 | Pleistocene 2(Wiechselian) | 0.125 | 0.0117 | | Pleistocene | Janssen, A.W. 1965. Mollusca uit de Pleistocene omstelling te Zelzate. Mededelingen van de Werkgroep voor Tertiair en Kwartaire Geologie, 2 (2), 24-37. |
| 5299 | Zervynos (in Sanko, 2007) | Zervynos | Lithuania | | 54.10797 | 24.498412 | Pleistocene 2(Pozeroian glacial) | 0.115 | 0.0117 | | Pleistocene | Sanko, A.F. 2007. Quaternary freshwater mollusks Belarus and neighboring regions of Russia, Lithuania, Poland (field guide). [in Russian]. Institute of Geochemistry and Geophysics, National Academy of Sciences, Belarus. |
| 3901 | Zervynos (railway station and Mančiagė, table 2, Kondratiūnė, 1963 and Motuz, 1970 in Sanko and Gaigalas, 2008) | Zervynos | Lithuania | | 54.109477 | 24.483878 | Pleistocene 2(Alleröd) | 0.01335 | 0.0129 | | Pleistocene | Sanko, A., Gaigalas, A. 2008. Alleröd deposits at Zervynos on the Ula River: geology, geochronology and malacofauna. Geologija, 50 (1), 49-57. |
| 3900 | Zervynos (Zervynos-1 section, 2004, table 3 in Sanko and Gaigalas, 2008) | Zervynos | Lithuania | | 54.1115 | 24.4745 | Pleistocene 2(Alleröd) | 0.01335 | 0.0129 | | Pleistocene | Sanko, A., Gaigalas, A. 2008. Alleröd deposits at Zervynos on the Ula River: geology, geochronology and malacofauna. Geologija, 50 (1), 49-57. |
| 3907 | Zervynos (Zervynos-1a section, 2004, table 4 in Sanko and Gaigalas, 2008) | Zervynos | Lithuania | | 54.112765 | 24.472308 | Pleistocene 2(Alleröd) | 0.01335 | 0.0129 | | Pleistocene | Sanko, A., Gaigalas, A. 2008. Alleröd deposits at Zervynos on the Ula River: geology, geochronology and malacofauna. Geologija, 50 (1), 49-57. |
| 5668 | Zeuchfeld (Bormat, table 22 in Mania, 1973) | Zeuchfeld | Germany | | 51.2366 | 11.820911 | Pleistocene 2(Lesja Glacial) | 0.86 | 0.46 | | Pleistocene | Mania, D. 1973. Paläökologie, Faunenentwicklung und Stratigraphie des Eiszeitalters in mittleren Elbe-Saalegebiet auf Grund von Molluskenuntersuchungen. Geologie, 21 (78/79), 1-175. |
| 4580 | Zeuchfeld (Melenopos Kies-Bormat Interglacial and table 18 and 25 in Mania, 1973) | Zeuchfeld | Germany | | 51.2366 | 11.820911 | Pleistocene 2(Bavelian Complex) | 1.2 | 0.86 | | Pleistocene | Meijer, T., Preec, R.C. 1996. Malaclological evidence relating to the stratigraphical position of the Cromerian. 53-82. In: Turner, C. (eds) The Early Middle Pleistocene in Europe. A.A. Balkema, Rotterdam, Brookfield. |
| 5353 | Zlatní (site D in table 9 in Ložek, 1964, fluvial deposit) | Zlatní | Slovakia (Slovak Republic) | | 47.765543 | 17.968983 | Pleistocene 2(late Würm) | 0.025 | 0.0117 | | Pleistocene | Ložek, V. 1964. Quartärmollusken der Tschechoslowakei. Rozpravy Ústavu Geologického, 31, 1-374. |
| 4017 | Zmagrod (Boreholes 4,4a and 4b in Skłompski, 1983) | Zmagrod | Poland | | 51.480022 | 16.923911 | Pleistocene 2(Eemian) | 0.125 | 0.115 | | Pleistocene | Skłompski, S. 1983. Mączaki z interglacjalnego eemskiego w Zmagrodzie nad Barczyą. Kwartalnik Geologiczny, 27 (1), 151-188. |
| 4827 | Zolíborz (faunal list, fig 17 in Alexandrowicz and Alexandrowicz, 2010) | Zolíborz | Poland | | 52.263068 | 20.982002 | Pleistocene 2(Eemian) | 0.125 | 0.115 | | Pleistocene | Alexandrowicz, S.W., Alexandrowicz, W.P. 2010. Molluscs of the Eemian Interglacial in Poland. Annales Societatis Geologorum Poloniae, 80, 69-87. |
| 4920 | Zrenjanin (artesian well in the main square by Ladiny between 1893 and 1895, 21.69-35.75m) | Zrenjanin | Serbia | Nagybecskerek | 45.365775 | 20.405887 | Pleistocene 2(Holocene) | 1.2 | 0 | | Pleistocene | FreshGEN team decision |
| 4921 | Zrenjanin (artesian well in the main square by Ladiny between 1893 and 1895, 58.36-135.18m) | Zrenjanin | Serbia | Nagybecskerek | 45.365775 | 20.405887 | Pleistocene 2(Cabulian) | 1.806 | 1.2 | | Pleistocene | Krolopp, E. 1977. Alföldi melyfürisek Zsigmondy-Halváts-féle Mollusca anyagának revidálása. III. A zombori (Sombor), szabakai (Subotica), nagybecskerek (Zrenjanin) artiklik-fürisek. Magyar Állami Földtani Intézet Évi Jelentése 1975-rol, 145-155. |
| 4614 | Zuurland (borehole Zuurland-2 at Brielle, 0m to -23m) | Zuurland | Netherlands | | 51.892075 | 4.149738 | Pleistocene 2(Holocene) | 0.0117 | 0 | | Pleistocene | Meijer, T. 1996. Quaternary molluscs from borehole Zuurland-2 at Brielle, the Netherlands (an interim report). Mededelingen van de Werkgroep voor Tertiair en Kwartaire Geologie, 25 (1), 49-60. |
| 4615 | Zuurland (borehole Zuurland-2 at Brielle, -23m to -33m) | Zuurland | Netherlands | | 51.892075 | 4.149738 | Pleistocene 2(middle-late Eemian) | 0.12 | 0.115 | | Pleistocene | Meijer, T. 1998. Mollusca from the Borehole Zuurland-2 at Brielle, the Netherlands (an interim report). Mededelingen van de Werkgroep voor Tertiair en Kwartaire Geologie, 25 (1), 49-60. |
| 4616 | Zuurland (borehole Zuurland-2 at Brielle, -42m to -50m) | Zuurland | Netherlands | | 51.892075 | 4.149738 | Pleistocene 2(Waalian) | 1.6 | 1.4 | | Pleistocene | Meijer, T. 1998. Mollusca from the Borehole Zuurland-2 at Brielle, the Netherlands (an interim report). Mededelingen van de Werkgroep voor Tertiair en Kwartaire Geologie, 25 (1), 49-60. |
| 4617 | Zuurland (borehole Zuurland-2 at Brielle, -50m to -62m) | Zuurland | Netherlands | | 51.892075 | 4.149738 | Pleistocene 2(older than Waalian) | 1.7 | 1.4 | | Pleistocene | Meijer, T. 1998. Mollusca from the Borehole Zuurland-2 at Brielle, the Netherlands (an interim report). Mededelingen van de Werkgroep voor Tertiair en Kwartaire Geologie, 25 (1), 49-60. |
| 4619 | Zuurland (borehole Zuurland-2 at Brielle, -62m to -63m in Meijer, 1988a and boring in Brielle below 60m in Kuiper, 1973b) | Zuurland | Netherlands | | 51.892075 | 4.149738 | Pleistocene 2(late Tiglian) | 1.92 | 1.6 | | Pleistocene | Meijer, T. 1998. Mollusca from the Borehole Zuurland-2 at Brielle, the Netherlands (an interim report). Mededelingen van de Werkgroep voor Tertiair en Kwartaire Geologie, 25 (1), 49-60. |
| 3096 | Zwiefalten (2. Aachtal Zwiefalten in Geyer, 1910 p.316) | Zwiefalten | Germany | Zwiefaltendorf | 48.232466 | 9.46339 | Pleistocene 2(Holocene) | 0.0117 | 0 | | Holocene | Geyer, D. 1913. Über die in Niederschwellen während des Quartärs erloschenen Mollusken. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereines, Neue Folge, 3 (2), 32-54. |
| 2982 | Zwiefalten (Zwiefaltendorf by the Danube) | Zwiefalten | Germany | | 48.214663 | 9.518788 | Pleistocene 2(Holocene) | 0.0117 | 0 | | Holocene | Geyer, D. 1913. Über die in Niederschwellen während des Quartärs erloschenen Mollusken. Jahresberichte und Mitteilungen des Oberreinischen geologischen Vereines, Neue Folge, 3 (2), 32-54. |