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| **Dataset title** | Lough Furnace Automatic Water Quality Monitoring Station (AWQMS) profiles 2009-2014 |
| **Dataset Creators/ Author/ Contributor** | Seán Kelly, Mary Dillane, Elvira de Eyto, Joseph Cooney, Pat Hughes, Michael Murphy, Pat Nixon, David Sweeney, Russell Poole, Elizabeth Ryder. |
| **Dataset subject** | Coastal water hydrography |
| **Dataset abstract/ Description** | Full water column profiles of temperature, conductivity, pressure and dissolved oxygen are routinely measured in the coastal basin Lough Furnace as part of the LTER (long-term ecological research) monitoring programme. Profiles are measured by a multi-parameter sonde attached to an automated undulating winch that initiates downcasts at 4 daily intervals (00, 06, 12, 18 hours). This dataset includes profiles recorded during the period 2009-2014. Analysis of this dataset can be found here: Kelly, S., Eyto, E. de, Dillane, M., Poole, R., Brett, G., and White, M. (2018). Hydrographic maintenance of deep anoxia in a tidally influenced saline lagoon. Marine and Freshwater Research 69(3) 432-445 https://doi.org/10.1071/MF17199 |
| **Dataset period/ Coverage** | 2009-02-01 to 2014/10/29 |
| **Dataset spatial/ coverage** | Furnace AWQMS: 53.966715, -9.580201 |
| **Dataset file format** | .csv |
| **Dataset file size(s)** | 30,795kb (uncompressed) |
| **Dataset language** | English |
| **Dataset discovery metadata record** | We will be provide this for you |
| **Dataset publisher** | Marine Institute |
| **Dataset publication date/ issue date** | We will be provide this for you |
| **Dataset DOI** | We will be provide this for you |
| **Dataset citation text** | We will be provide this for you |
| **Links to data files & usage metadata** |  |
| **Dataset licence chosen (CC-BY)** |  |
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| **Consent obtained from all authors to publish their names & organisations** |  |