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| **Dataset title** | Surface water temperatures of Lough Furnace, Co. Mayo. |
| **Dataset Creators/ Author/ Contributor** | Mary Dillane, Elvira de Eyto, Sean Kelly, Joseph Cooney, Pat Hughes, Michael Murphy, Pat Nixon, David Sweeney, Russell Poole |
| **Dataset subject** | Water Temperature |
| **Dataset abstract/ Description** | Water temperature is measured routinely at the surface of Lough Furnace, as part of the Marine Institute’s long term ecological research (LTER) program in the Burrishoole catchment, Co. Mayo. The water temperature is measured at a depth of 1 metre, using a StowAway TidbiT temperature data logger from Onset (TBI32-05+37) (<https://www.onsetcomp.com/products/data-loggers/tbi32-0537> ). The logger is permanently moored over the deepest point of the lake, and records every 30 minutes. Lough Furnace is a coastal lagoon, protected under the EU Habitats Directive as an Annex I priority habitat (“in danger of disappearance”). This dataset comprises data that have been downloaded, checked and quality controlled. For more recent data, check [www.marine.ie](http://www.marine.ie) |
| **Dataset period/ Coverage** | 01/01/2009 to current |
| **Dataset spatial/ coverage** | 53.918°, -9.571° |
| **Dataset file format** | .csv |
| **Dataset file size(s)** | 3642 kb |
| **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)** |  |
| **Consent obtained from all authors to publish their names & organisations** | YES  Mary Dillane (Marine Institute)  Elvira de Eyto (Marine Institute)  Sean Kelly (NUIG)  Joseph Cooney (Marine Institute)  Pat Hughes (Marine Institute)  Michael Murphy (Marine Institute)  Pat Nixon (Marine Institute)  David Sweeney (Marine Institute)  Russell Poole (Marine Institute) |