
List of hydrological stations for combined drought index CDI

List of changes

Version	date	Amendment
1.0	03.05.2025	Document creation and content
1.1	13.05.2026	Update

The so-called hydro index is a sub-index of the combined dryness index.

The aim of the hydro index is to depict the current hydrological situation of the water bodies in the respective region. The aim is to show whether or not the current situation in a region is causing the discharge/water level of the water bodies to fall below a critical threshold value. To this end, the best possible attempt was made to select stations from the national hydrological monitoring network that are representative of the region in which they are located.

The large bodies of water (rivers and lakes) do not adequately reflect the current hydrological situation of a region because usually only a fraction of the catchment area is located in the region. For example, the Rhine - Basel, Rheinhalle - 2289 station is located in the eastern Jura warning region. In relation to the catchment area, however, only a minimal part of the catchment lies in this warning region. Accordingly, the current discharge of the Rhine provides only marginal information about the current hydrological situation of the eastern Jura. Instead, water bodies are used for the hydroindex whose catchment areas are largely located in the warning region and are therefore much more meaningful with regard to the current hydrological conditions in the corresponding warning region (in the example of the eastern Jura, e.g. Birs - Münchenstein, Hofmatt - 2106).

As the current situation of large bodies of water is of course still of great interest, these can be viewed on the corresponding region page.

The following criteria were used to select the stations:

- Catchment area must be at least 20 km² in size
- At least 2/3 of the catchment area must be within the warning region
- If residual flow section, at least 80% of the average annual flow must remain (according to Hades 5.3)
- Sufficiently long time series (climatological reference period 1991-2020)
- No main stations if the influence of the respective secondary station is significant (>20% of the total discharge)
- No stations in the [NAQUA network](#)
- No stations with negative discharge
- No station relocated during the climatological period
- No sub-catchment areas → If there are several stations for a watercourse, the largest station is used in each case
- No heavily influenced stations (in the low water range) according to the study [Influence on runoff - a tool for assessment \(HydCheck\)](#)

List of Hydroindex stations

Station number	Station name	Region
2181	Thur - Halden	Alpstein
2434	Dünnern - Olten, Hammermühle	Balsthal
2307	Suze - Sonceboz	Balsthal
2159	Gürbe - Belp, Mülimatt	Bernese Plateau
2179	Sense - Thörishaus, Sense matt	Bernese Plateau
0078	Poschiavino - Le Prese	Grisons southern valleys
2617	Rom - Müstair	Grisons southern valleys
2203	Grande Eau - Aigle	Chablais
2486	Veveyse - Vevey, Copet	Chablais
ZH572	Reppisch-Dietikon	Freiamt
2417	Suhre - Oberkirch	Freiamt
2416	Aabach - Hitzkirch, Richensee	Freiamt
2370	Doubs - Le Noirmont, La Goule	Franches-Montagnes
2432	Venoge - Ecublens, Les Bois	Lake Geneva Region
2104	Linth - Weesen, Biäsche	Glarus Alps
2346	Rhone - Brig	Goms
2160	Sarine - Broc, Château d 'en bas	Gruyère
2412	Sionge - Vuippens, Château	Gruyère
*2498	Glenner - Castrisch	North-Central Grisons
2269	Lonza - Blatten	Northern Valais
2630	Sionne - Sion	Northern Valais
2494	Ticino - Pollegio, Campagna	Northern Ticino
2471	Murg - Murgenthal, Walliswil	Oberaargau
2450	Wigger - Zofingen	Oberaargau
*2262	Berninabach - Pontresina	Upper Engadine
*2256	Rosegbach - Pontresina	Upper Engadine
2105	Inn - St. Moritzbad	Upper Engadine
*2263	Chamuerabach - La Punt-Chamues-ch	Upper Engadine
2070	Emme - Emmenmatt, nur Hauptstation	Upper Emmental
2084	Muota - Ingenbohl	Eastern Central Switzerland
2609	Alp - Einsiedeln	Eastern Central Switzerland
2604	Biber - Biberbrugg	Eastern Central Switzerland
2300	Minster - Euthal, Rüti	Eastern Central Switzerland
2485	Allaine - Boncourt, Frontière	Eastern Jura
2106	Birs - Münchenstein, Hofmatt	Eastern Jura
2202	Ergolz - Liestal	Eastern Jura
2019	Aare - Brienzwiler	Eastern Bernese Oberland
2109	Lütschine - Gsteig	Eastern Bernese Oberland
2312	Aach - Salmsach, Hungerbühl	Eastern Swiss Plateau
2386	Murg - Frauenfeld	Eastern Swiss Plateau
2132	Töss - Neftenbach	Eastern Swiss Plateau
2420	Moesa - Lumino, Sassello	Eastern Ticino
2150	Landquart - Felsenbach	Prättigau

2410	Liechtensteiner Binnenkanal - Ruggell	Rhine Valley
2139	Rheintaler Binnenkanal - St. Margrethen	Rhine Valley
2187	Werdenberger Binnenkanal - Salez	Rhine Valley
2321	Cassarate - Pregassona	Sottoceneri
2349	Breggia - Chiasso, Ponte di Polenta	Sottoceneri
2461	Magliasina - Magliaso, Ponte	Sottoceneri
2141	Albula - Tiefencastel	South-Central Grisons
2355	Landwasser - Davos, Frauenkirch	South-Central Grisons
2033	Vorderrhein - Ilanz	Surselva
*2319	Ova da Cluozza - Zernez	Lower Engadine
*2304	Ova dal Fuorn - Zernez, Punt la Drossa	Lower Engadine
2500	Worble - Ittigen	Lower Emmental
2056	Reuss - Seedorf	Uri Alps
2276	Grosstalbach - Isenthal	Uri Alps
2351	Vispa - Visp	Visp valleys
2053	Drance - Martigny, Pont de Rossetan	Valais southern Alps
2481	Engelberger Aa - Buochs, Flugplatz	Western Central Switzerland
2436	Chli Schliere - Alpnach, Chilch Erli	Western Central Switzerland
2634	Kleine Emme - Emmen	Western Central Switzerland
2102	Sarner Aa - Sarnen	Western Central Switzerland
2378	Orbe - Orbe, Le Chalet	Western Jura
2493	Promenthouse - Gland, Route Suisse	Western Jura
2480	Areuse - Boudry	Western Jura
2458	Seyon - Valangin	Western Jura
2646	Kander - Emdthal	Western Bernese Oberland
2151	Simme - Oberwil	Western Bernese Oberland
2034	Broye - Payerne, Caserne d 'aviation	Western Swiss Plateau
2369	Mentue - Yvonand, La Mauguettaz	Western Swiss Plateau
*2244	Krummbach - Klusmatten	Western Ticino
2605	Verzasca - Lavertezzo, Campiòi	Western Ticino
ZH582	Jona-Rüti	Lake Zurich Region

*Not used in the winter months, as the station can ice up and thus change the hydro index and CDI abruptly