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5 S1.1 Global Water Quality database and information system (GEMStat)

Status: July 2018

### Declaration of the Data User (Water Quality Data)

The undersigned declares that he/she is responsible for the use of the data provided by the GEMS/Water Data Centre, operated by the International Centre for Water Resources and Global Change. The undersigned agrees to use the data under the following conditions:

1. The GEMS/Water data are not transferred either in part or total to third parties or to the general public (e.g. by electronic media), without the written consent of the GEMS/Water Data Centre.
2. The data will not be used for commercial purposes without the written consent of the GEMS/Water Data Centre. The GEMS/Water Data Centre itself will obtain clearance from the respective Members or other data providers prior to the release of data for commercial purposes.
3. The data set will be not accessible to unauthorized persons and, after completion of the specified studies, the data set will be kept separate from the general data processing facilities on diskette, tape or CD.
4. In all publications, the source of the data will be cited as follows:

United Nations Environment Programme (2017). *GEMStat database of the Global Environment Monitoring System for freshwater (GEMS/Water) Programme*. International Centre for Water Resources and Global Change, Koblenz. Accessed DD MONTH YYYY. Available upon request from GEMS/Water Data Centre: [gemstat.org](http://gemstat.org)

5. Disclaimer

While the GEMS/Water Data Centre makes every effort to eliminate errors from the data base, there may be errors in the data unknown to the GEMS/Water Data Centre. Neither the GEMS/Water Data Centre nor its sponsors can be held responsible for the consequences of the use of GEMS/Water Data Centre data.

I, as principal researcher/representative of the requesting organization, agree to the conditions stated above.

Halifax, Nova Scotia, Canada

Place and date: September 9<sup>th</sup>, 2019

Signature:  \_\_\_\_\_

Figure S1: The data use licence for the GEMStat database.

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From: gwdc@bafg.de  
Sent: July 31, 2020 07:09  
To: Lobke Rotteveel  
Cc: Shannon Sterling  
Subject: RE: GEMStat Data Publication Request

CAUTION: The Sender of this email is not from within Dalhousie.

Dear Lobke,

sorry for the late reply but we are waiting for legal advice from UNEP on this matter. You are not the first user requesting the re-publication of GEMStat data but unfortunately, we haven't been able to clarify the licensing issues with re-publications yet. As you might know, we have different data access/policy levels in GEMStat (open, limited and restricted). Our ambition is to publish as much of the data as possible under a CC 4.0 license (CC BY-NC-SA 4.0 for "limited" data and CC BY-SA 4.0 for "open" data). However, we haven't reached a consensus with all the Member States who provide and own the data to agree on this procedure.

I wish I could give you better news but we cannot yet permit you to re-publish the data at the moment because we have to follow the decisions of the UN Member States but we'll keep working to get a decision and will let you know as soon as we have some solution (we might have to start with a subset of data from those countries who have already agreed upon publishing the data this way).

Best regards

Philipp

Philipp Saile

Head of GEMS/Water Data Centre

International Centre for Water Resources and Global Change (ICWRGC)  
UNESCO Category II Centre  
Secretariat German IHP/HWRP National Committee

Federal Institute of Hydrology  
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[saile@bafg.de](mailto:saile@bafg.de)  
[www.waterandchange.org](http://www.waterandchange.org)  
[www.gemstat.org](http://www.gemstat.org)

10 Figure S2: Response to request to re-publish data from the GEMStat database.

## 1.2 Global River Chemistry (GloRiCh) Database

The data use licence for the GloRiCh dataset is available from: <https://creativecommons.org/licenses/by-nc-sa/4.0/>.

## 1.3 National Long-Term Water Quality Monitoring Database

15 The disclaimer for the National Long-Term Water Quality Monitoring Database is available from: [http://data.ec.gc.ca/data/substances/monitor/national-long-term-water-quality-monitoring-data/disclaimer\\_avis-exclusion-de-responsabilite.txt](http://data.ec.gc.ca/data/substances/monitor/national-long-term-water-quality-monitoring-data/disclaimer_avis-exclusion-de-responsabilite.txt); the data use licence agreement is available from: <https://open.canada.ca/en/open-government-licence-canada>.

## 1.4 Water Quality Database

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**From:** WQX  
**Sent:** July 28, 2020 13:16  
**To:** Lobke Rotteveel  
**Cc:** WQX; STORET  
**Subject:** Re: Water Quality Portal question/comments

CAUTION: The Sender of this email is not from within Dalhousie.

Hello Lobke,

### Memorandum of understanding:

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA) and the National Water Quality Monitoring Council (NWQMC) that integrates publicly available water quality data from the USGS National Water Information System (NWIS) the EPA STORage and RETrieval (STORET) Data Warehouse, and the USDA ARS Sustaining The Earth's Watersheds - Agricultural Research Database System (STEWARDS). All data providers have granted permission to publish data for public use. The Water Quality Portal grants permission to use **all data publicly accessible and exchanged via this service and from data providers.**

Thanks

WQX and Water Quality Portal Team

Kevin Christian

800-424-9067 (Support Line)

202-566-1180 office

20 **Figure S3: Data use memorandum of understanding for the National Water Quality Monitoring Council National Long-Term Water Quality Monitoring Database.**

## 1.5 Waterbase

The data use licence for Waterbase is available from: [https://creativecommons.org/licenses/by/2.5/dk/deed.en\\_GB](https://creativecommons.org/licenses/by/2.5/dk/deed.en_GB).

## 1.6 McMurdo Dry Valleys Long Term Ecological Research Network

25 The data use licence for the McMurdo dataset is available from: <https://mcm.lternet.edu/data-use-policies>.

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**From:** [Michael Gooseff](#)  
**Sent:** August 17, 2020 12:55  
**To:** [Lobke Rotteveel](#)  
**Cc:** [Renée Brown](#)  
**Subject:** Re: Data Publication Request

**CAUTION:** The Sender of this email is not from within Dalhousie.

Dear Lobke,

My apologies for the delay getting back to you. I forwarded your request to our data manager and she quickly responded, but then I dropped the ball after that.

Your approach sounds perfect and your citations seem appropriate for the data sets you have identified. Thank you very much for reaching out to confirm these and to let us know about your upcoming work.

Best regards,  
Mike

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Michael Gooseff, Ph.D.  
Fellow of Institute of Arctic and Alpine Research  
Professor of Civil, Environmental, and Architectural Engineering  
University of Colorado  
Boulder, CO 80303-0450 USA

Lead PI, **McMurdo** Dry Valleys LTER Project  
— <http://mcm.lter.org>  
Co-Director, CU Hydrologic Sciences Graduate Program  
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phone: 303.735.5333

"A rain gauge will only measure rainfall, a temperature gauge will only measure temperature, but a glacier records everything." – Trevor Chinn

**Figure S4: Response to request to re-publish data from the McMurdo dataset.**