

Created by a Law dated on 14 August 1954 and rectified later on 30 December 1955:

- Execute the Litani River Master Plan
- Execute the hydro-electrical power generation and electrical networks and its connection to the electrical distribution networks

By different decrees, the government of Lebanon adds the following tasks:

- **Hydraulic measurements on all Lebanese rivers**
- Irrigation schemes studies
- Provider of potable water for south of Lebanon
- Responsible of irrigation schemes in southern Bekaa and south Lebanon
- Study and supervision of Dams

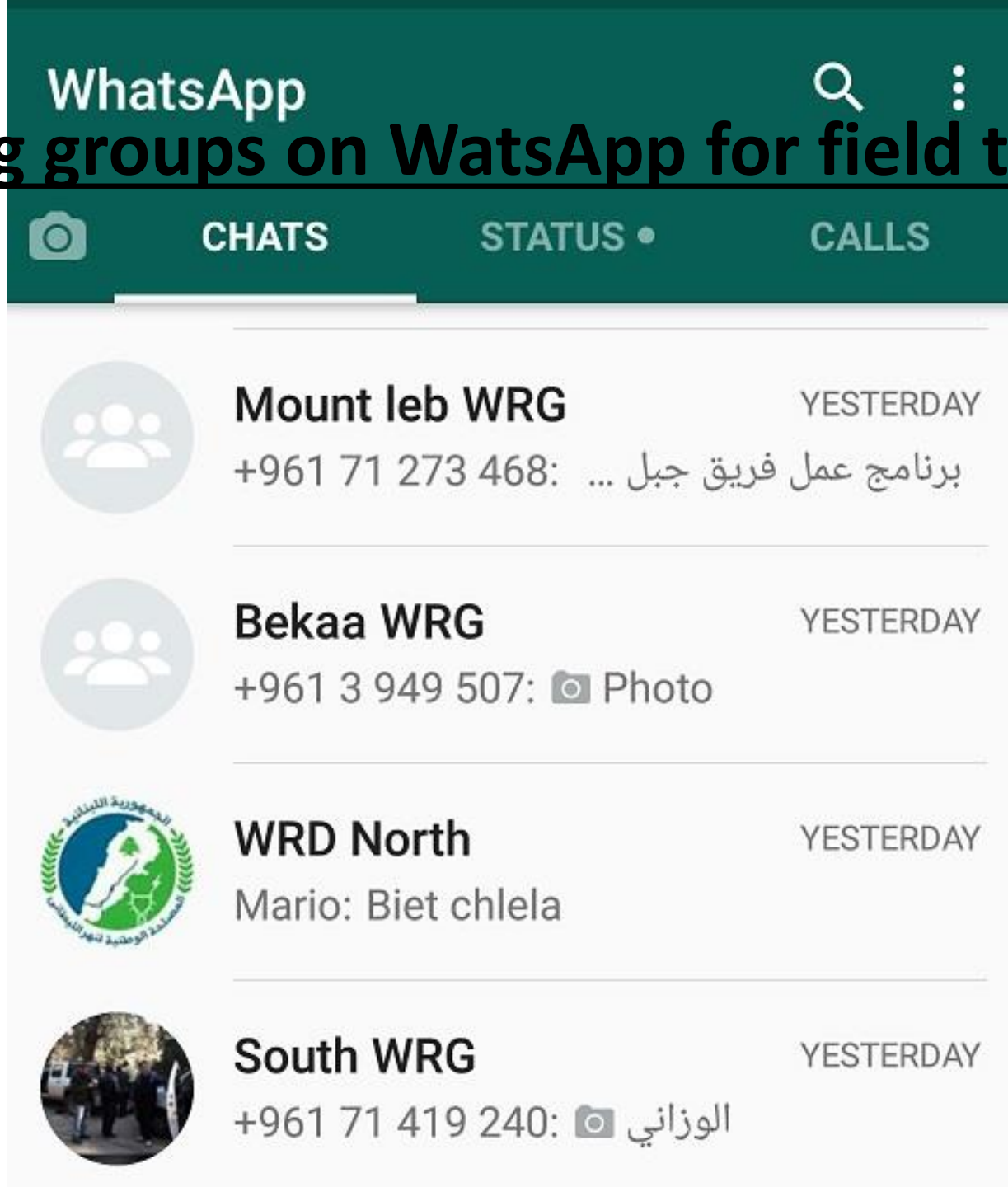
A new Environmental department was created in 2006 to assess the water quality of Litani River & tributaries

Since 2017 a new methodology has been adopted for executing this function to collect data and metadata.



WhatsApp

Creating groups on WhatsApp for field teams



Mount leb WRG

+961 70 652 511, +961 71 273 468, +961...

YESTERDAY الباروك

10:16

برنامج عمل فريق جبل لبنان / ٢٠١٨ / ٢ / ١٣
 شاغور حمانا، نهر الجعماني رأس المتن، نهر
 بيروت الداشونية، نهر بيروت جسر الباشا .
 عناصر الفريق: خضر كيوان، عماد كشلي، فؤاد
 شديد .
 الإنطلاق الساعة ٦:٣٠

14:31

TODAY

+961 71 273 468

~فريق جبل لبنان

إنطلاق فريق جبل لبنان / ٢٠١٨ / ٢ / ١٣ الساعة ٦:٣٠،
 عناصر الفريق: خضر كيوان، عماد كشلي، فؤاد
 شديد .
 كيلومتر جراج ٢٧٤٣٦٤

06:28

+961 71 273 468

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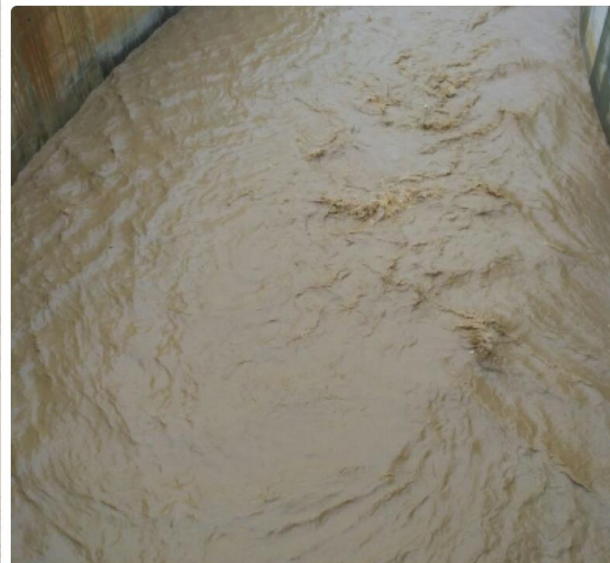
جهاز محطة نهر بيروت جسر الباشا / ٢ / ١٣

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09:17

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Riverbed

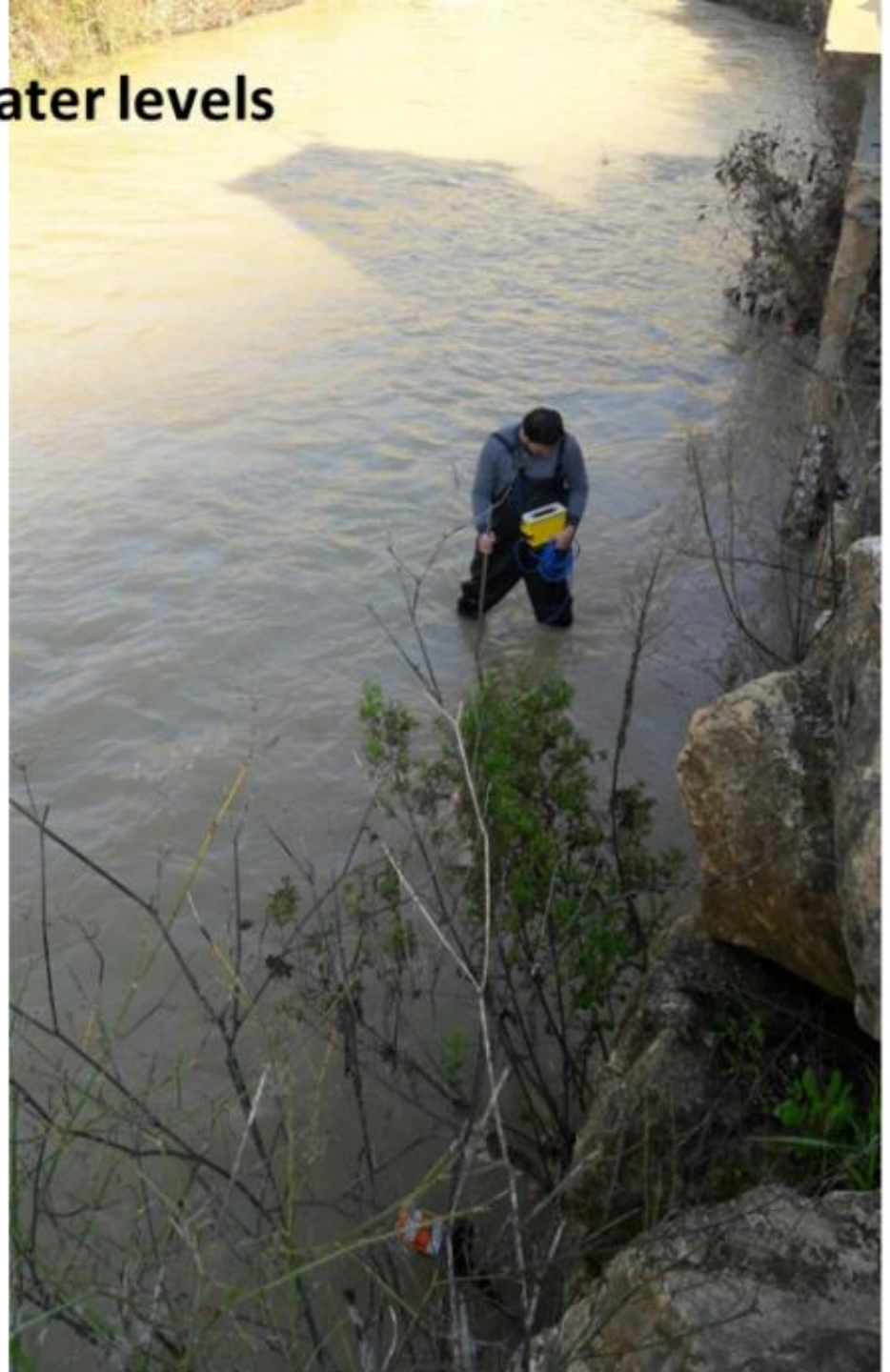
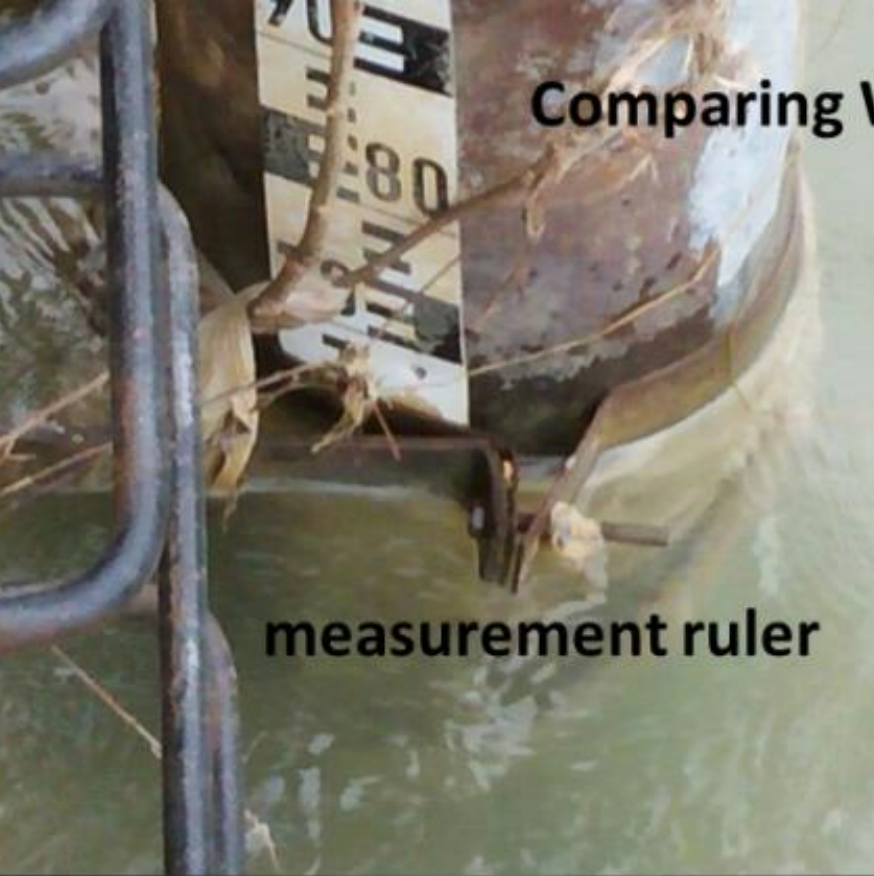


Gauge Station



Comparing Water levels

measurement ruler



Water level sensor



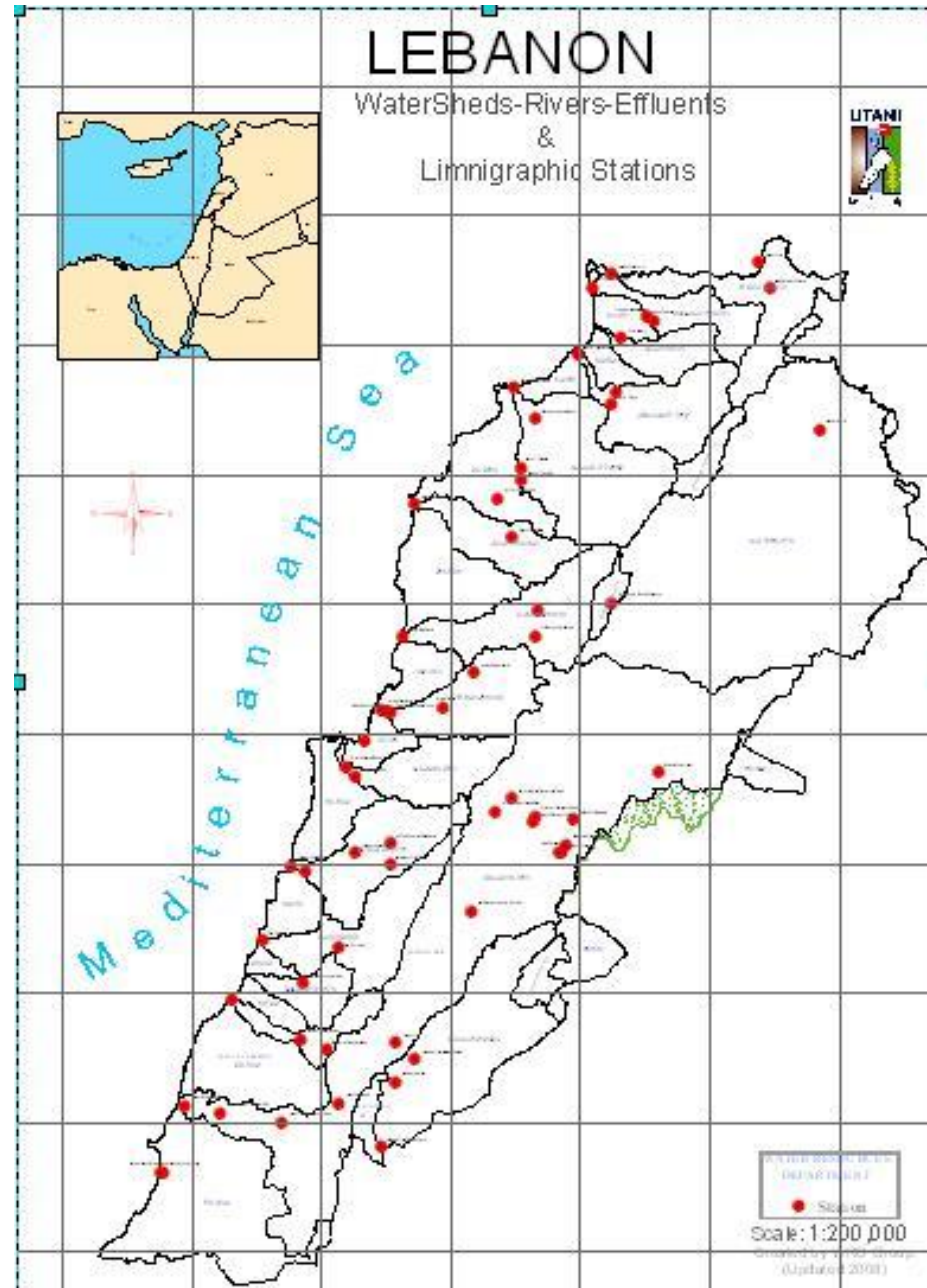
Water Monitoring

Surface gauging stations on most of Lebanese rivers and tributaries

In addition we have 13 monitoring wells in upper litani basin measuring under ground water level and 6 weather stations

Water Quality monitoring

World Bank

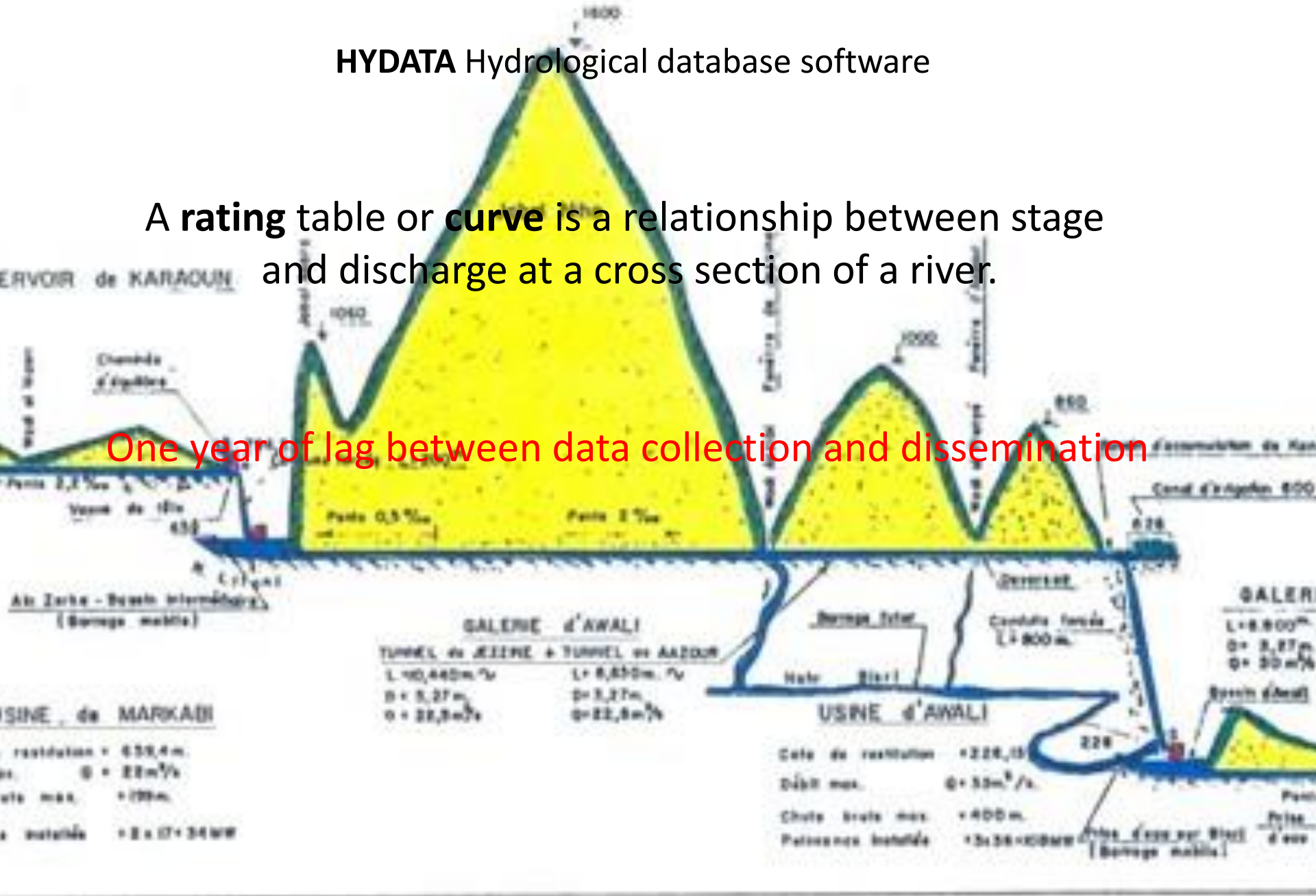


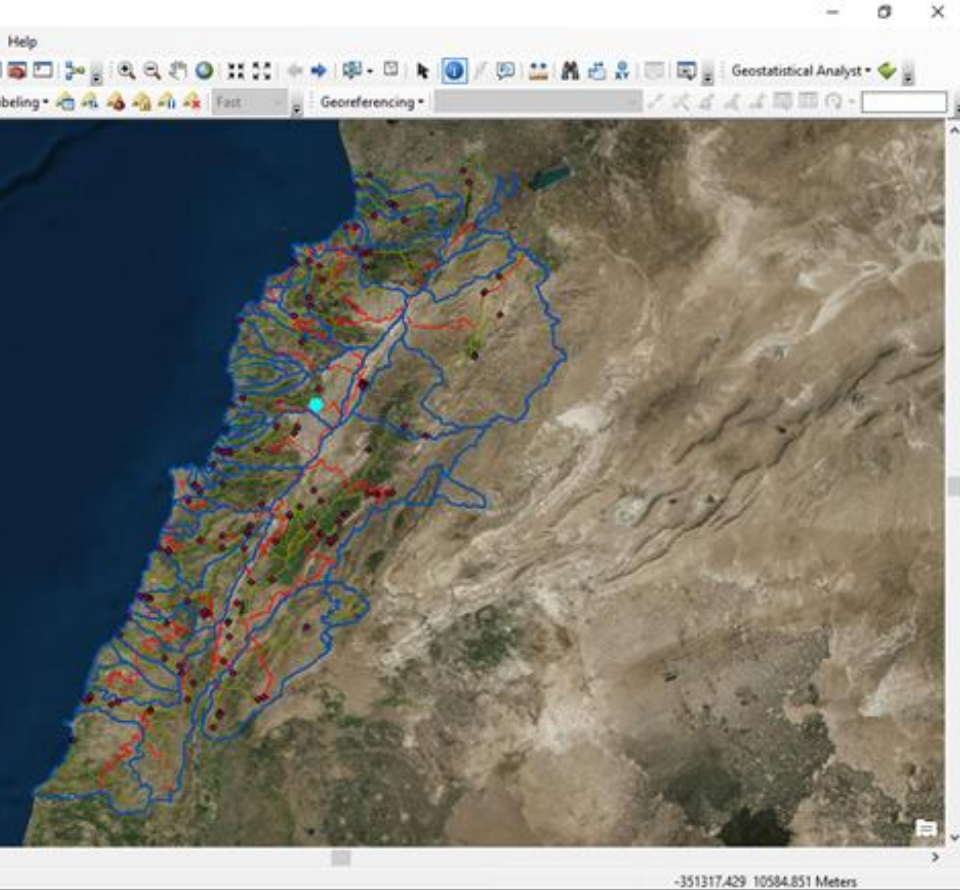
Office work

HYDATA Hydrological database software

A **rating** table or **curve** is a relationship between stage and discharge at a cross section of a river.

One year of lag between data collection and dissemination





Geodatabase presentation

Geodatabase

Lebanon Water Project (LWP) funded by USAID have made an assessment for all water monitoring station, a Geodatabase have been created containing all station information.

Thank You

