

Water Availability in Morocco

by Madeline Clark, GIS in Water Resources, Fall 2013

Progress on the Final Project

Over the last three weeks, I have been speaking to a contact that gave me a dataset from a gage on the Sidi Mohamed Ben-Abdellah Dam near Rabat that contains data that describes variability in reservoir water levels within the Oed Bou Regeg Lake. This data goes back to 1939, and for each year there are monthly and summative annual readings. This also contact gave me two powerpoints concerning water management in Morocco from an inside Office Nationale d'Eau Portable (ONEP)- perspective, and another possible direct contact, Mustapha Hajji, who is an employee with ONEP and a researcher with the National Water Council. I think that if I can establish direct contact with Mr. Hajji, and possibly obtain a few more data sets like the one I have now, should they exist, then I will be on my way to building a strong dataset. This may be useful for other projects that I am working on. The powerpoints will also be useful for providing context for my final project.

I am currently trying to establish baseline physical data before looking at aid projects. The datasets that I have obtained so far come from FAO GEONETWORK; FAO AQUASTAT which contains data on hydrobasins, dams, and other important hydro-features in Africa; UN Environment Programme's GRID Africa Geoportal, which contains information on demographics and natural resources in Africa; DIVA GIS; the USGS Famine Early Warning System (FEWS) EMODIS, which contains data on NDVI and other important hydrological and agricultural indicators ; CGIAR-CSI 90m resolution data on elevation, soil aridity, and historical climate trends and variation; the World dataBank; the World Bank's Mapping for Results dataset; EMDAT and other relevant datasets from AidData. I will also be compiling a list of projects from the International Water Management Institute (IWMI), CGIAR, FAO, and other relevant donors within Morocco like USAID and IFPRI.

Here are some links to these datasets:

FAO:

<http://www.fao.org/geonetwork/srv/en/main.home#hydrology>

UNEP:

<http://gridnairobi.unep.org/Portal/ptk?command=openchannel&channel=1>

USGS:

<http://earlywarning.usgs.gov/fews/africa/index.php>

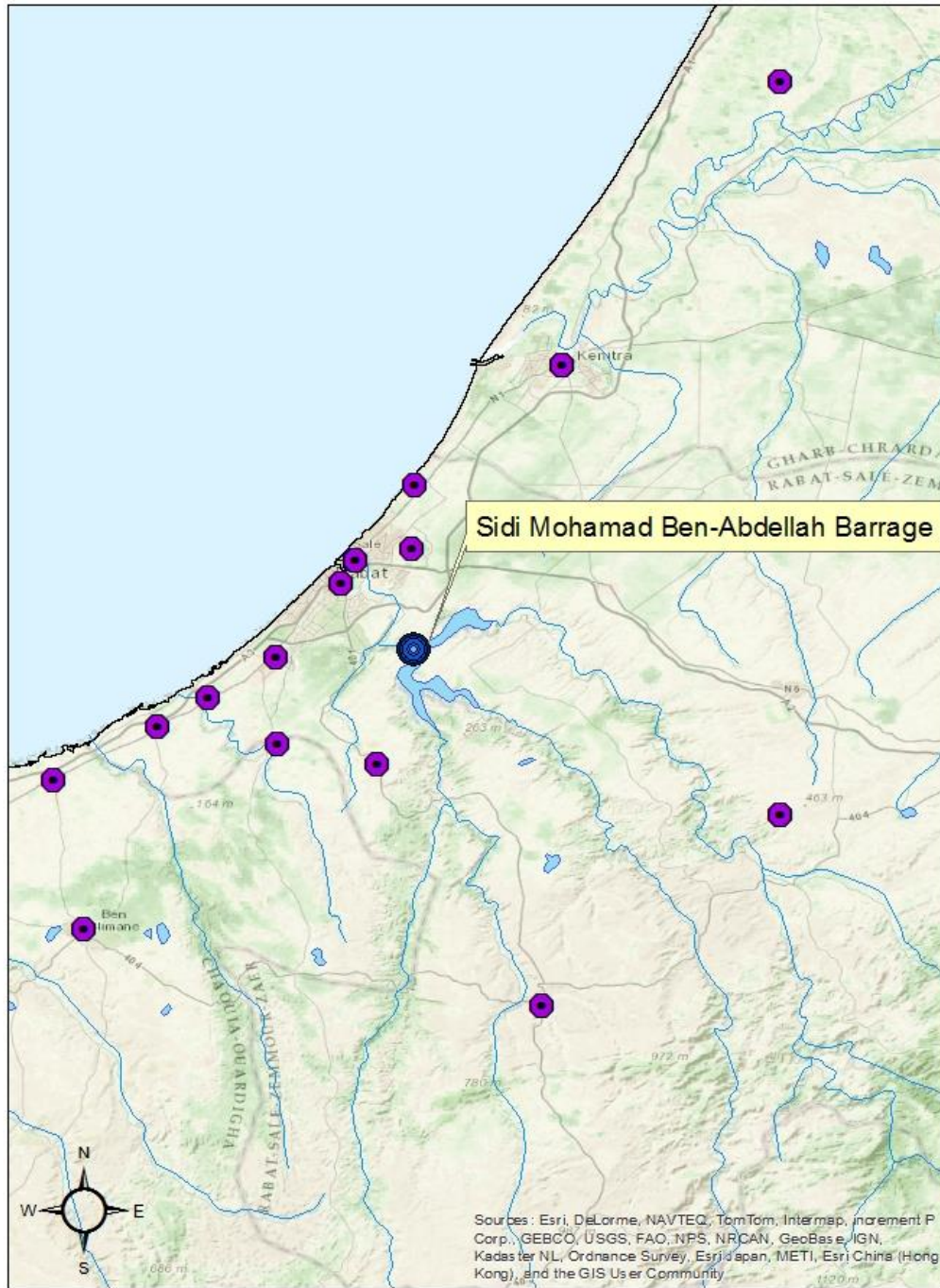
CGIAR 90m datasets:

<http://www.cgiar-csi.org/data>

A map of what I have so far follows on the next page:

I am also attaching a copy of the SMBA dataset that I have.

Sidi Mohamed Ben Abedellah Barrage and AfDB projects



 AfDB projects_ 2009-2010

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