

Data Sources

List of currently known data sources.

Location	Source	Description	Date Range	Curator	External Source	Status	Links	Issues
Big Ditch, Camp Creek, Goose Creek, Goose Creek at Bucks Pond, Saybrook, Wildcat	HOBO	An additional stream was created for Goose Creek at Bucks Pond and Saybrook. These two locations have air sensors and water sensors, and a calculation is performed from these two measurements that determines the water elevation.	04/22 /2014 - 07 /6/2015	Tim and Brynne from ISWS Mingjing Yu?	No	 Ingested	http://imlczo.ncsa.illinois.edu/clowder/collection/5500f98ce4b0feb5ae1545e7	• Could only find data from 2014 in Clowder (see link) • Geodashoard shows data till summer 2015. Where is Summer 2016?
Clear Creek	Eddy Flux Tower	Clear Creek 1-1, 2-1		Christopher Wilson	No	 Have location, need data	See attached spreadsheet	There are two sites that light up for CCW-Z2-S1-EF1. The other one should be CCW-Z1-S1-EF1.
Clear Creek	Soil gas Analyzer	Clear Creek 1-1, 1-2, 2-1, 3-1		Christopher Wilson	No	 Have location, need data	See attached spreadsheet	Part of ER experiments, still being processed for publication.
Clear Creek	Rainfall Simulators	Clear Creek 1-1, 2-1		Christopher Wilson	No	 Have location, need data		Part of ER experiments, still being processed for publication.
Clear Creek	Water Content Reflectrometer	Clear Creek 1-1, 2-1		Christopher Wilson	No	 Have location, need data		Part of ER experiments, still being processed for publication. H
USRB	USGS Water Quality	Historical data ingested by Ye Fan. Not currently being updated.	2/2014-5 /2014	Nobody	Yes	 Ingested		Only on dashboard under USGS
Clear Creek	IFC River Sensors	CLRCRK01, CLRCRK03, CLRCRKS01, CLRCRKS02, CLRCRKW01	03/23 /2014 - 10 /13/2014	Nobody	Yes	 Ingested	http://ifis.iowafloodcenter.org/ifis/en/	
Sangamon Forest Preserve	Decagon Manual upload	Latitude: 40.281513° Longitude: -88.355564° (approximate, from Google Earth) Parameters: Rainfall (mm), Relative Humidity, Solar Radiation (w/m2), windspeed (m/s), wind direction (degrees), Air temperature (deg C), Leaf wetness (1=wet/2=not wet). All parameters recorded at 1 minute interval.		Allison Goodwell	No	 Ingested	http://imlczo.ncsa.illinois.edu/clowder/spaces/572a0c83e4b0ed483bd5e41d http://imlczo-dev.ncsa.illinois.edu/geodashboard/#detail/location/SRFP	1. It is taking forever for the data to load 2. Need to upgrade production to add it there 3. Manually uploaded

USRB	Flux Tower	Latitude: 40.15569444° Longitude: -88.55511111° Parameters: 25m tower. Instruments located at 3 heights: 25m, 10m, ground level. Infrared Temperature, Heat Flux, NDVI, PRI, Soil moisture /EC/Soil Temp, Wind speed, Photon Flux, CO2/H2O Flux, Radiation Flux		Steve Sargent Allison Goodwell Susana Roque	No	✓ Have Installation ✓ Data Logger Installed	http://imlczo-dev.ncsa.illinois.edu/clowder/spaces/570e7d67e4b0ed483bd2da27 http://imlczo-dev.ncsa.illinois.edu/clowder/spaces/570e7d67e4b0ed483bd2da27 Example geodashboard location (one of many): http://imlczo-dev.ncsa.illinois.edu/geodashboard/#detail/location/5TE Soil Probe 200cm/	✓ Data is being uploaded to the IMLCZO server and then uploaded to Clowder. ✗ Datapoints Parser is in progress.
	Allerton Trust Farm	Latitude: 40.025611° Longitude: -88.661167° (approximate from Google Earth) Parameters: This site is equipped with an ISCO to collect data from tile drains. Soil Moisture/Soil Temp /Soil EC, Water EC/Water Temp/Water Depth, Wind speed, Precipitation, Air Temp/Vapor Pressure /Relative Humidity, ISCO		Dongkook Woo Qina Yan	No	✓ Installation occurred	Decagon Datalogger : http://www.ech2o.com/ Username : 5G0F5179 Password: shwai-regi Campbell Datalogger: Installed	✓ Campbell Scientific data is being uploaded to IMLCZO server and then uploaded to Clowder. ✗ Campbell Scientific Datapoints Parser is in progress. ✗ Decagon has provided access to the API and Brock is working on the uploader to Clowder. Questions still remain regarding the precision Decagon uses when converting the raw data. Waiting to hear back from them before creating datapoints.
	Ameriflux Bondville	Historical data from Aug-1996 - 12/31/2008.	1996-2008	Brock Angelo	Yes	✓ Ingested	Ameriflux Bondville Data	1. The data is not located flux tower according
	Illinois State Water Survey (ISWS)	Several historical sensors ingested. As of 2015, only ISWS105 at Mahomet and ISWS134 at Saybrook are being updated. These are added to a Samba share and are parsed hourly and added to the API.		Erin Bauer ebauer@illinois.edu	No	✓ Ingested		
	Illinois State Water Survey (ISWS)	Three locations of suspended sediment concentration collection through an ISCO Saybrook (40.437162°, -88.554961°) Mahomet (40.171096°, -88.446063°) Monticello (40.030936°, -88.588422°) All three locations use a 6712 Teledyne ISCO to collect samples. Also included are: Saybrook- CR850 datalogger, CS451 pressure transducer Mahomet- CR10X datalogger, CS475 water level indicator Monticello- 1640 liquid level actuator		Laura Keefer, Bruce Rhoads	No	✗ Have Location, Need Data		

Illinois State Geological Survey (ISGS)	The fiber-optic distributed temperature sensing (FO-DTS) team at the ISGS is equipped with: 1. SensorNet Oryx+ Distributed Temperature Sensing (DTS) system [Travel in Truck] 2. Fujikura FS70 Fusion Splicer [Travel in Truck] 3. Brugg BRUsens Temperature 4-fiber cable: 1100m for in situ measurement [Travel in Truck] 4. MULTILINK AT-RK28T7X-004 2-fiber cable: 2500m for ditch bed deployment at flux tower site in 2015-2016 (40.15569444°, -88.55511111°) 5. AFL DNS-0763 Flat Drop 2-fiber cable: 104m for 40m well in Rantoul site (40.282582°, -88.193135°) 6. AFL DNS-0763 Flat Drop 2-fiber cable: 171m for 100m borehole in Rantoul site (40.282582°, -88.193135°) 7. AFL DNS-0763 Flat Drop 2-fiber cable: 1100m for in situ measurement [Travel in Truck] 8. AFL DNS-0763 Flat Drop 2-fiber cable: 325m experimental configuration for future deployment 9. One 240 volt and 2,000 watt cartridge heater with 100m cable is under construction at the ISGS for future heat tracer tests such fracture detection and groundwater/surface water interaction.		Yu-Feng Lin	No	✗ Have Location, Need Data	
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There are other data missing like our wells, weathering array and water quality sondes.

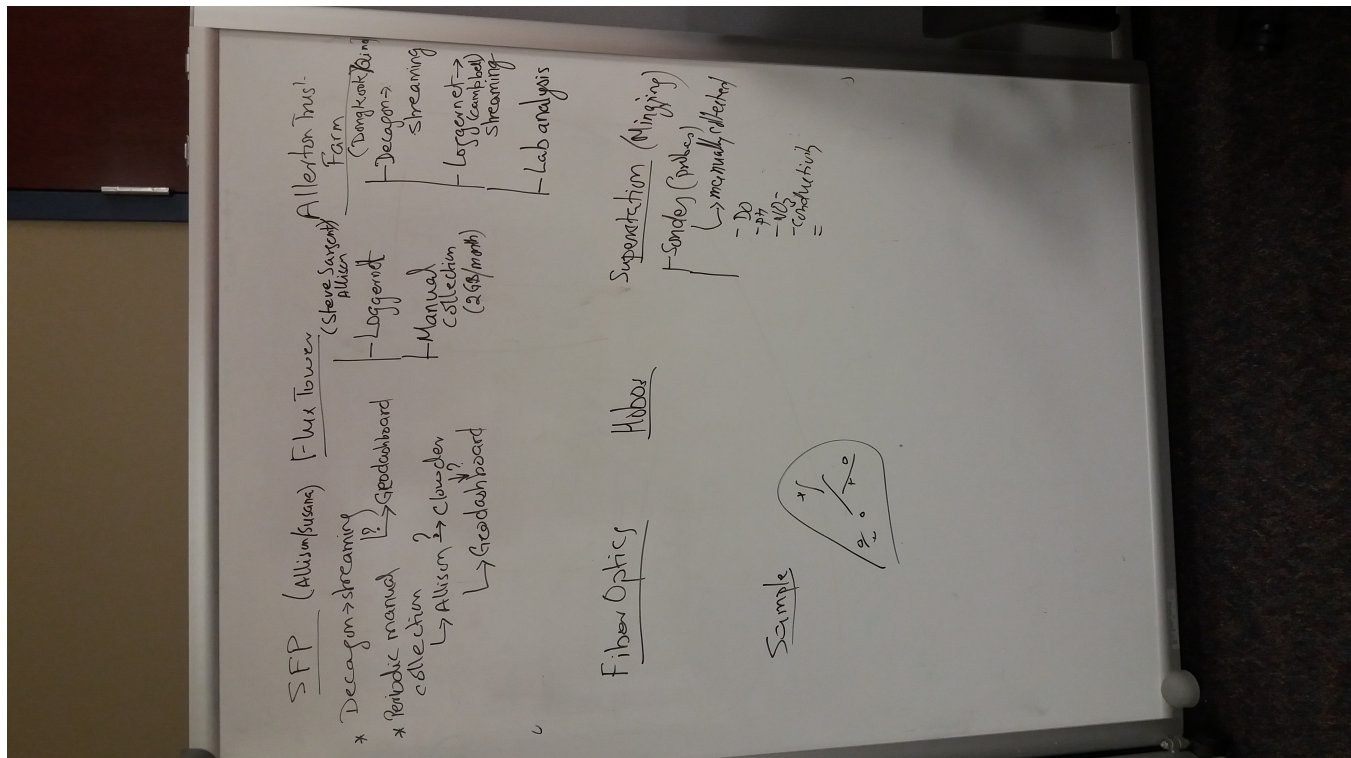
Are the pins sensors or sites? We entered more sensors in the past

I don't follow the Clear Creek catchment layer.

The CCW church sites looks off

Questions regarding raw data vs processed data. This is more for clowder..

How will you represent the baseline sampling or this experimental data which are more point measurements vs. time series



here is all the current sites and their data information