

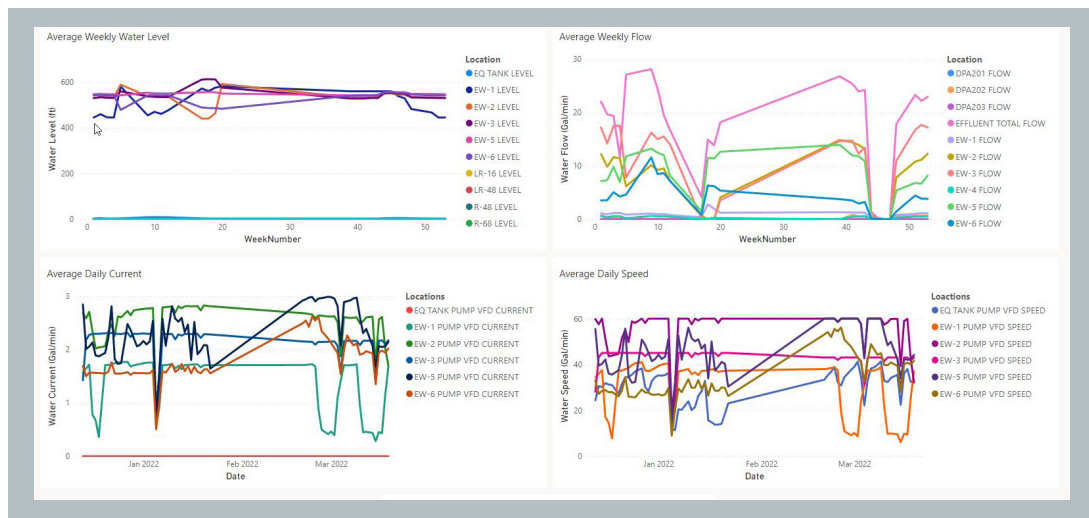


High Quality Data Deliverables

Langan's Data Management and Analytics (DMA) team works to develop and provide high quality data deliverables to our project teams and their clients, to continuously enhance project value, and to improve the efficiency of workflows by streamlining processes and outputs.

We support all Langan disciplines in collecting field data to enhance field-to-office communication and summarizing the analytical results in a cohesive report for the client. By storing data in a central location, the DMA team gives project teams and clients easy access to all the data for a site or project. Additional benefits include:

- Centralized data
- Easy access to data
- Template creation
- Computer macros integration
- Automated workflow
- Coordinated lab work



The screenshot shows a web-based data management interface with the following components:

- Navigation Bar:** Includes SITE INFORMATION, TIME SERIES (selected), GROUNDWATER MAPS, SURFACE WATER, SOIL, VAPOR INTRUSION, and DOCUMENTS, PHOTOS & DATA EXPORTS.
- Location Filter:** A dropdown menu with a CLEAR button.
- Map:** An aerial view of a site with several colored markers (blue, green, red) indicating data collection points.
- Time Series Charts:** Four charts showing contaminant levels in groundwater (GW) over time (2000-2020):
 - PCE in GW:** Tetrachloroethene (PCE) levels, showing a peak around 2000 and a subsequent decline. Legend includes NIDEP_GWQS and Tetrachloroethene (PCE).
 - Carbon Tetrachloride in GW:** Carbon Tetrachloride levels, showing a peak around 2000 and a subsequent decline. Legend includes NIDEP_GWQS and Carbon Tetrachloride.
 - TCE in GW:** Trichloroethylene (TCE) levels.
 - 1,4 Dioxane in GW:** 1,4 Dioxane levels.

Data Analysis & Reporting

These reports summarize analytical results in tables that compare the data to state or federal regulations or summations and to graphics that display the data. The team works toward internal and external standardization and automation, which enhance the exporting and deliverable processes.

The DMA team provides practical solutions that help project teams and clients manage and use data to make informed decisions for their projects. Depending on the type of investigation at a given site, the DMA team works on projects such as due diligence, remedial investigation, waste classification, and monitoring. The DMA team has played a major role in many environmental projects that have included large datasets and compilations of state and federal regulations to help provide final-report deliverables.


Action Level Description	No. Samples	No. of Locations
NYSDEC Part 375 Protection of Ecological Resources SCOs	85	54
NYSDEC Part 375 Unrestricted Use SCOs	85	54
Lower of NYSDEC Part 375 Restricted Use Residential and Protection of Groundwater SCOs	22	19
NYSDEC Part 375 Protection of Groundwater	22	10

Investigation	Detect Flag	Sample Date	End Depth (ft)	Location	Analyte
<input type="checkbox"/> Phase 1	<input checked="" type="checkbox"/> Y	10/7/2020 - 8/5/2021	<input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 14 <input type="checkbox"/> 16	<input type="checkbox"/> DS_40 <input type="checkbox"/> DS-01 <input type="checkbox"/> DS-02 <input type="checkbox"/> DS-03 <input type="checkbox"/> DS-04 <input type="checkbox"/> DS-05 <input type="checkbox"/> DS-06 <input type="checkbox"/> DS-07 <input type="checkbox"/> DS-08	<input type="checkbox"/> 4,4'-DDD <input type="checkbox"/> 4,4'-DDE <input type="checkbox"/> 4,4'-DDT <input type="checkbox"/> Barium <input type="checkbox"/> Benzo(a)anthracene <input type="checkbox"/> Benzo(a)pyrene <input type="checkbox"/> Benzo(b)fluoranthene <input type="checkbox"/> Benzo(k)fluoranthene <input type="checkbox"/> Chromium, Hexavalen

Exceedance	Action Level Exceedance Type
<input type="checkbox"/> No	<input type="checkbox"/> Select all
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Lower of NYSDEC Part 375 Restricted Use Residenti...
	<input type="checkbox"/> NYSDEC Part 375 Protection of Ecological Resource...
	<input type="checkbox"/> NYSDEC Part 375 Protection of Groundwater SCOs
	<input type="checkbox"/> NYSDEC Part 375 Restricted Use Residential SCOs

Analyte	Date	Location	Depth Range (ft)	Result	Result Unit	Action Level	Action Level Unit	Action Level Descript
Chromium, Total	10/7/2020	DS-01	6-7	10.4	mg/kg	1	mg/kg	NYSDEC Part 375 PRO
Chromium, Total	10/7/2020	DS-01	6-7	10.4	mg/kg	1	mg/kg	NYSDEC Part 375 Uni
Chromium, Total	10/7/2020	DS-01	6-7	14.1	mg/kg	1	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-01	6-7	14.1	mg/kg	1	mg/kg	NYSDEC Part 375 Uni
Chromium, Total	10/7/2020	DS-02	6-7	17.8	mg/kg	1	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-02	6-7	17.8	mg/kg	1	mg/kg	NYSDEC Part 375 Uni
Chromium, Total	10/7/2020	DS-02	6-7	31.5	mg/kg	1	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-02	6-7	31.5	mg/kg	1	mg/kg	NYSDEC Part 375 Uni
Chromium, Total	10/7/2020	DS-02	6-7	31.5	mg/kg	19	mg/kg	Lower of NYSDEC Par
Chromium, Total	10/7/2020	DS-02	6-7	31.5	mg/kg	19	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-02	6-7	31.5	mg/kg	22	mg/kg	NYSDEC Part 375 Res
Chromium, Total	10/7/2020	DS-03	6-6	14.2	mg/kg	1	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-03	6-6	14.2	mg/kg	1	mg/kg	NYSDEC Part 375 Uni
Chromium, Total	10/7/2020	DS-04	6-6	10.8	mg/kg	1	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-04	6-6	10.8	mg/kg	1	mg/kg	NYSDEC Part 375 Uni
Chromium, Total	10/7/2020	DS-05	6-6	14.7	mg/kg	1	mg/kg	NYSDEC Part 375 Pro
Chromium, Total	10/7/2020	DS-05	6-6	14.7	mg/kg	1	mg/kg	NYSDEC Part 375 Uni

Investigation ● Phase 1 ● Phase 2



Note: Bubble sizes indicate maximum concentration at a location

Software Partners:



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