

SMC California LID Evaluation & Analysis Network (SMC CLEAN)

Standard LID Project Data-Information List

October 16, 2016

SMC CLEAN Standard LID Project Data-Information List

The following is the list of data/information that will be requested and compiled for each of the LID projects data/information is being obtained for the SMC CLEAN project. The list comprises monitoring data as well as meta data so that analysis can be performed to answer the proposed SMC CLEAN targeted research questions. Based on coordination with the State Water Resources Control Board (SWRCB) this list may serve as a preliminary list of data-information required to be gathered associated with future LID grant projects.

- Monitoring Data
 - o Monitoring protocol
 - o Monitoring parameters
 - Research question parameters (common 303-d constituents)
 - Bacteria – Enterococci, E. coli
 - Nutrients – TKN TN, TP, N+N, OP, NH4
 - Metals – Cu, Zn, Mn, Pb, Hg
 - Pesticides and herbicides
 - PCB
 - Trash
 - Water chemistry, surrogates, and system function
 - TSS / VSS / turbidity
 - Field parameters - pH, hardness, O2, Conductivity
 - DOC
 - Organics
 - o Monitoring elements integrated into LID feature
 - o Water quality data – inlet/outlet
 - o Whole-storm water flow data – inlet/outlet
 - o Draw down time/volume
 - o Precipitation data
- Meta Data
 - o Design plans and specifications
 - o As-builts
 - o Design storm, drainage area size, and sizing calculations
 - o Drainage area land uses and percentages
 - o Native soils information (including analysis of all inorganics measured in the water quality protocol), geotechnical report, infiltration tests
 - o Engineered soil matrix information, soil matrix source
 - o Plant information/list, plant source

- Mulch information/source
- Construction records, contractor information
- Maintenance protocols
- Maintenance records, maintenance contractor information
- Inspection records
- Data tracking protocols
- Data access information
- Data reporting protocols
- Other information being collected for each site and why it is being collected.