Streamlining Annual Reporting Project

Steering Committee Update
December 5, 2023

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“Need” for the Streamlined Annual Reporting Project

Regulated Community

- Spending months and $$$$ on development of reports
- Desire to focus on high value metrics, reduce reporting on every implementation activity
- Unclear how reports are used by Regional Boards or others

	Control Measures	Projected Completion (Date)	Actual Completion (Date)	Status of Implementation	Status of Funding
1	Burton Way Median Green	September 2021		100% Design and Construction to begin	Capital Improvement Project Funding. Grant funding pending.
				lity study sign	Capital Improvement Project

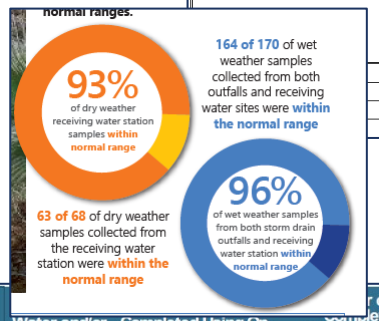
Event ID	Site ID	QAQC Sample Type	Analysis Date	Classification	Constituent	Fraction	Sign	Result
2019/20-1	000NONPJ	matrix spike, rec	1/22/2020	Metal	Barium	Total	=	118
2019/20-1	000NONPJ	matrix spike dup	1/22/2020	Metal	Barium	Total	=	190
2019/20-1	000NONPJ	matrix spike dup						
2019/20-1	000NONPJ	matrix spike, RP						
2019/20-1	Lab	method blank						

Water Quality Monitoring Frequency

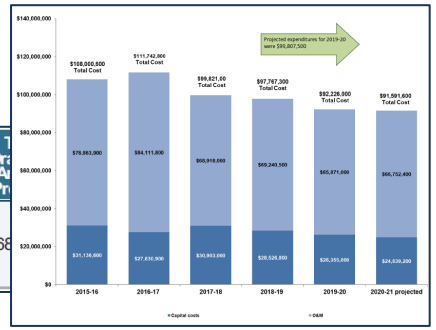
Monitoring Program	Sampling Requirements	Monitoring Type	Frequency Required	Monitoring Accomplished
			wice nually	✓

LIP Program Elements	FY 2019-20	Projected Costs FY 2020-21
Public Projects - BMPs	$17,873,000	$18,770,900
Construction BMPs for Public Construction Projects	$3,272,600	$1,742,500

Toxicity Summary for Calleguas Creek: Event 71 Ambient Waters.		
	Toxicity relative to the Lab Control treatment?	
	Ceriodaphnia dubia	
	Survival	Reproduction
	no	no
	no	no
	no	no
	no	YES



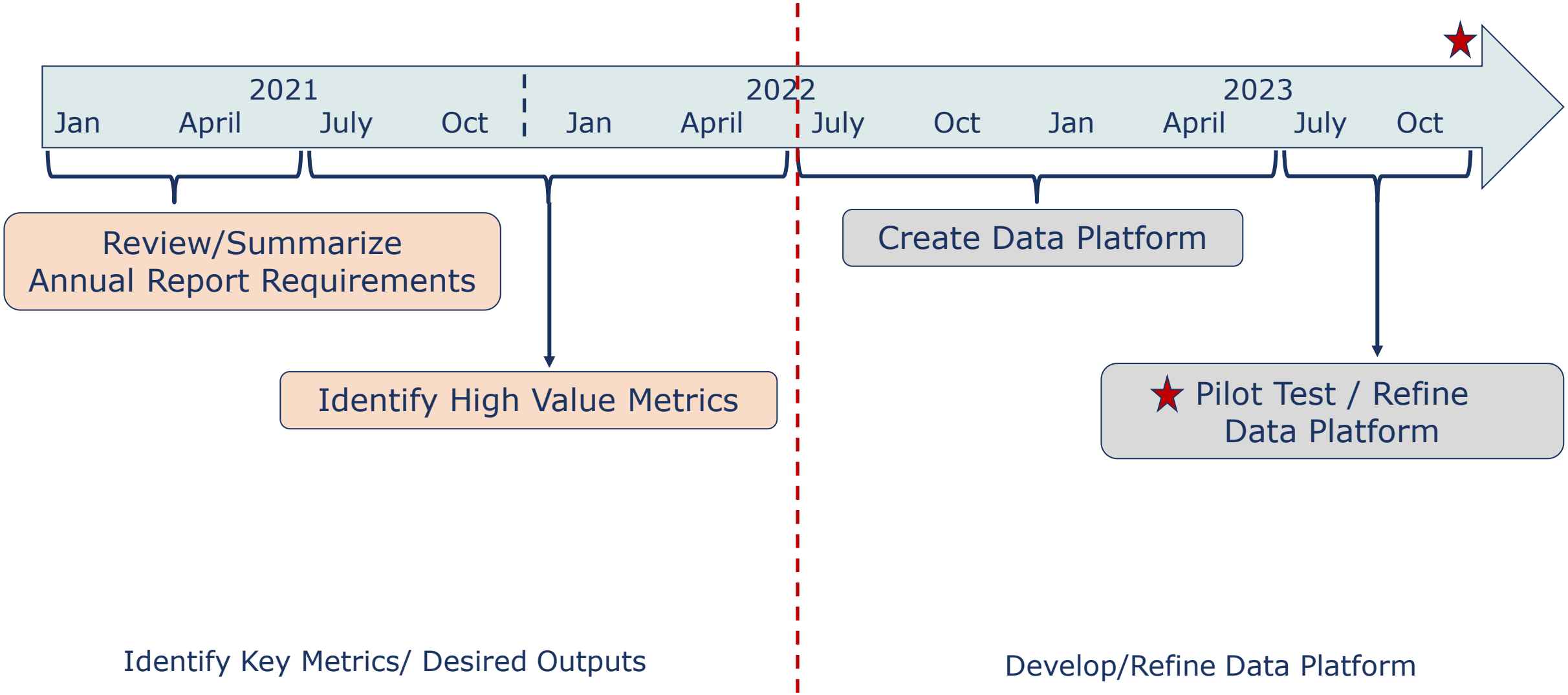
	Water and/or WMP/EWMP	Completed Using On-Site Retention	Alternative Compliance Measures
1	Ballona Creek - Ballona Creek	3	0



Regulators

- Reports are voluminous (100s–1000s pgs)
- Difficult to read and identify progress
- Hard to communicate information/ key points to the public
- Desire to be able to find data as needed in future

SMC Streamlining Annual Reporting Project Overview – Four Main Project Tasks



Task 1 - Establish Project Focus Group

- City of Los Angeles Watershed Protection Division
- City of Long Beach
- City of San Diego
- Orange County Public Works
- County of San Diego Watershed Protection Program
- San Bernardino County Flood Control District
- Los Angeles County Flood Control District
- Riverside County Flood Control and Water Conservation District
- Ventura County Watershed Protection District
- California Department of Transportation

- Los Angeles Regional Water Board
- Santa Ana Regional Water Board
- San Diego Regional Water Board
- State Water Resources Control Board
- USEPA Office of Research and Development

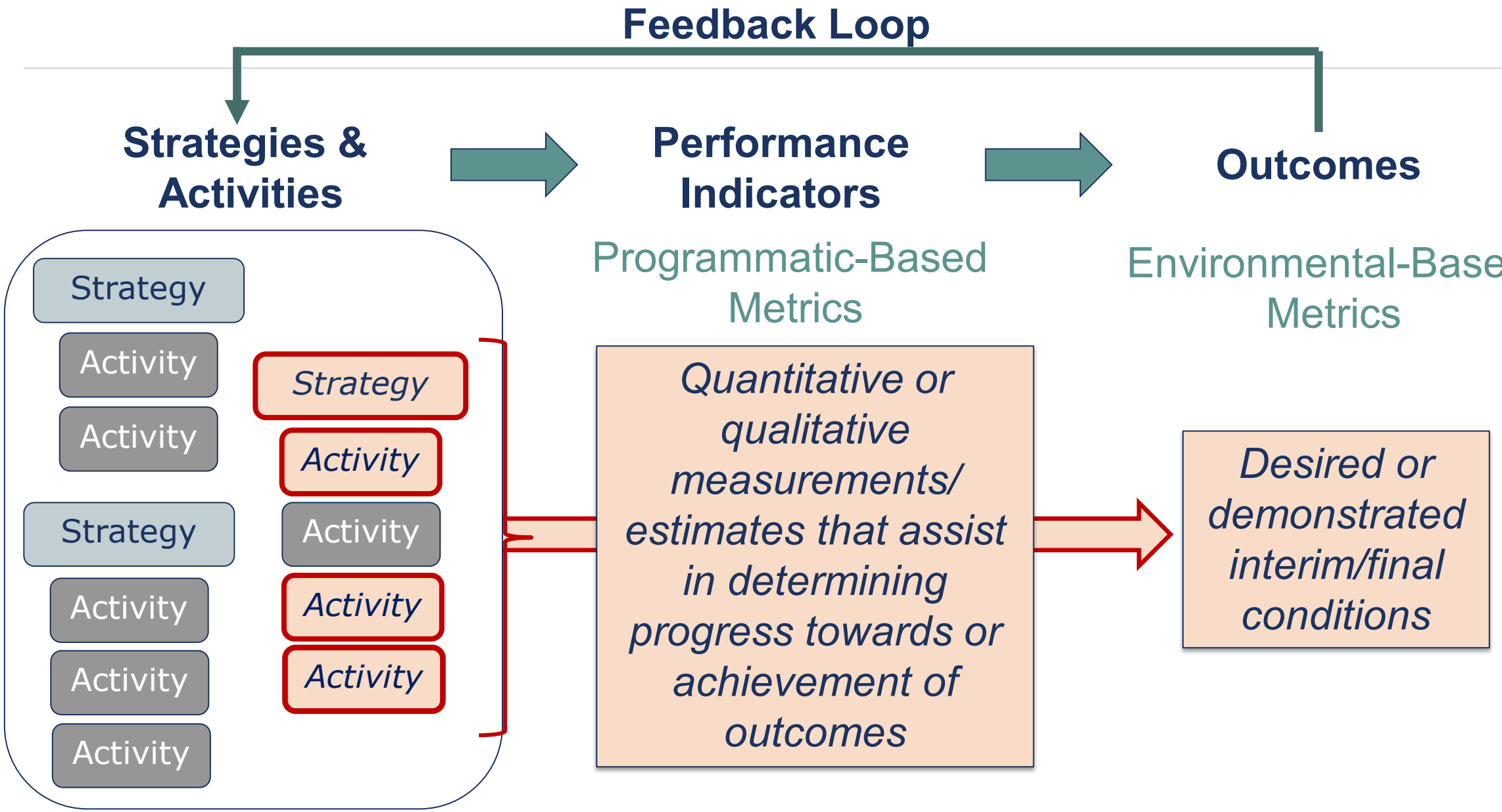
- Southern California Coastal Water Research Project

Southern California Stormwater Monitoring Coalition

Steering Committee

Project Focus Group

Use of Annual Reporting Data and Information



Task 2 - Review Current Permits and Annual Reports

Example High Priority Program Element - New Development

(Potential focus on retention, infiltration, treatment of stormwater)

Components	Description	Implementation									
		LACFCD (R4)	VCWPD (R4)	SBCFCD (R8)	RCFCWCD (R7)	RCFCWCD (R8)	RCFCWCD (R9)	OCPW (R8)	OCPW (R9)	SDC (R9)	Caltrans (SW/RCB)
General	Program implementation/modification										
	Training										
Priority Projects - Inventory	# of proposed development projects in review										
	# of priority development projects in review										
	# of priority development projects approved										
	# projects > 50 acres										
	# of approved priority development projects exempt from any BMP requirements/waivers										
	# of approved priority development projects allowed/completed alternative compliance										
	Alternative compliance - total budget, funds raised										
	Urban runoff fund contribution										
	# of priority development projects granted occupancy										
	# of completed priority development projects										
	# projects completed using on-site retention										
	Total drainage area										
	Total storm water quality design/biofiltration volume										
	Total retention capacity										
	Total runoff volume retained onsite										
Priority Projects - Inspections	# of high priority development project structural BMP										
	# of priority development project structural BMP/O&M violations										
	# of enforcement actions issued										
	# of escalated enforcement actions issued										
Other Projects	# public projects										
	# requiring controls										
	# of completed projects										
	Total drainage area, length (green streets)										
	Total project/retention capacity										
	Total runoff volume retained onsite										

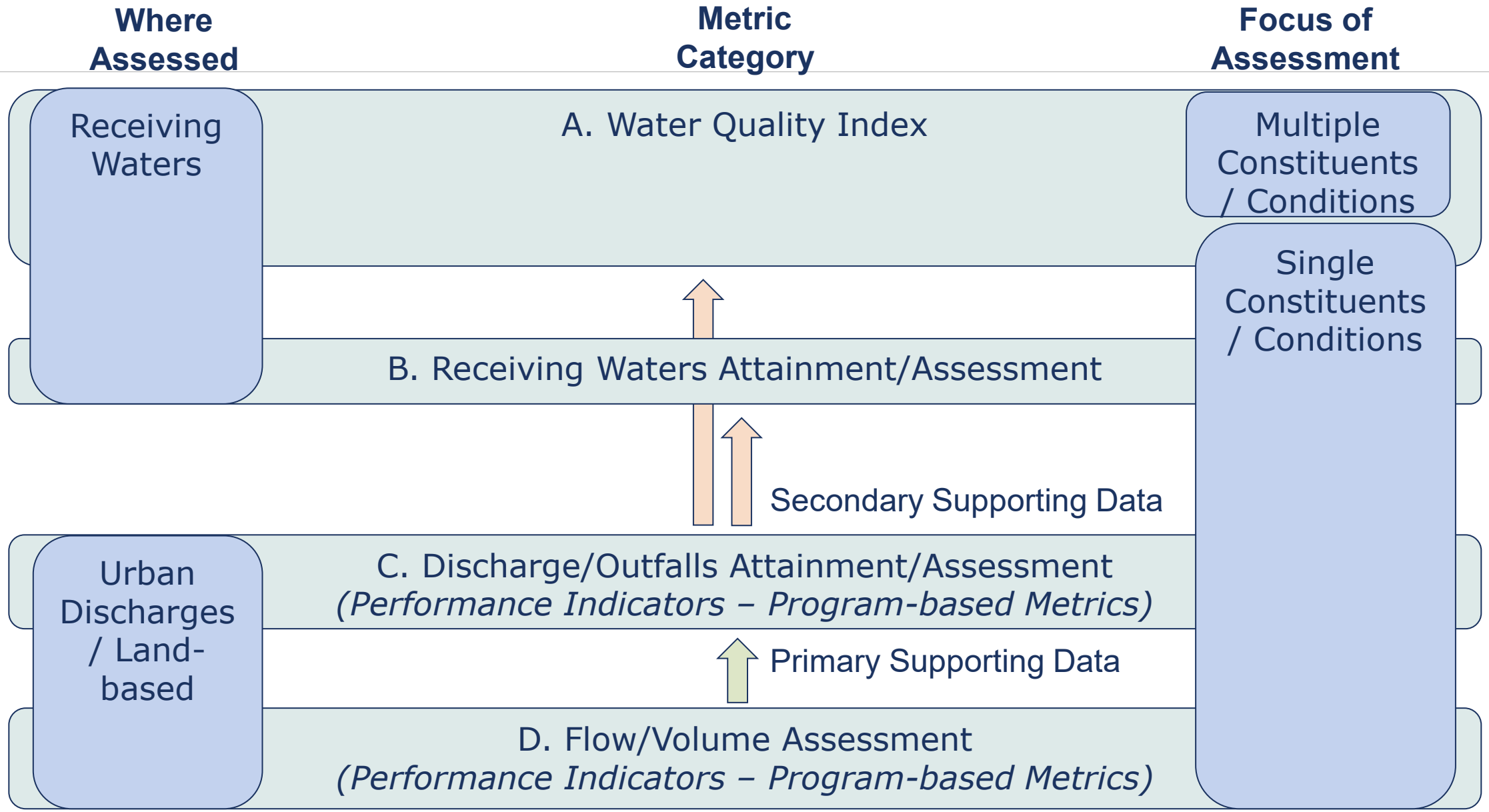
Outcomes/Env Metrics

Related Management Questions

Flow/Volume Assessments - Land-Based	Management Questions
	1. In the Southern California region, what are the trends for flows from outfalls/discharges?
Summarization/comparison of information over time	In dry weather? (for one year and trends over time)
	In wet weather? (for one year and trends over time)
	2. In the Southern California region, what is the total volume that has been diverted, infiltrated,
Summary of Information	treated?

Annual	**II. Volume/Flow [Specific Performance Indicator(s) TBD]**		
	Total volume of dry weather runoff diverted, infiltrated, treated to date (ac-ft)		Performance Indicators
	Total volume of wet weather runoff diverted, infiltrated, treated to date (ac-ft)		
	Calculate - Average volume/acre		
	Primary Metrics		
	Wet Weather: Year to date rainfall (inches)		
	Wet Weather: LID projects - number, acres, capacity, capture volume		
	Wet Weather: Treatment controls - number, acres, capacity, capture volume		
	Wet Weather: Green streets projects - number, acres, capacity, capture volume		Program-based Metrics
	Wet Weather: Regional projects - number, acres, capacity, capture volume		
	Wet Weather: Total volume diverted - diversions (ac-ft)		
	Dry Weather: Total number & % of outfalls with flows	(selected outfalls)	
	Dry Weather: Total volume diverted - low flow diversions (ac-ft)		
	Secondary Metrics		
	Total number of New Development/Redevelopment Priority Projects approved		
	Total number of New Development/Redevelopment Priority Projects completed		
	Total number of LID projects, treatment controls, green streets projects, regional projects, low flow diversions (and locations - mapped)		

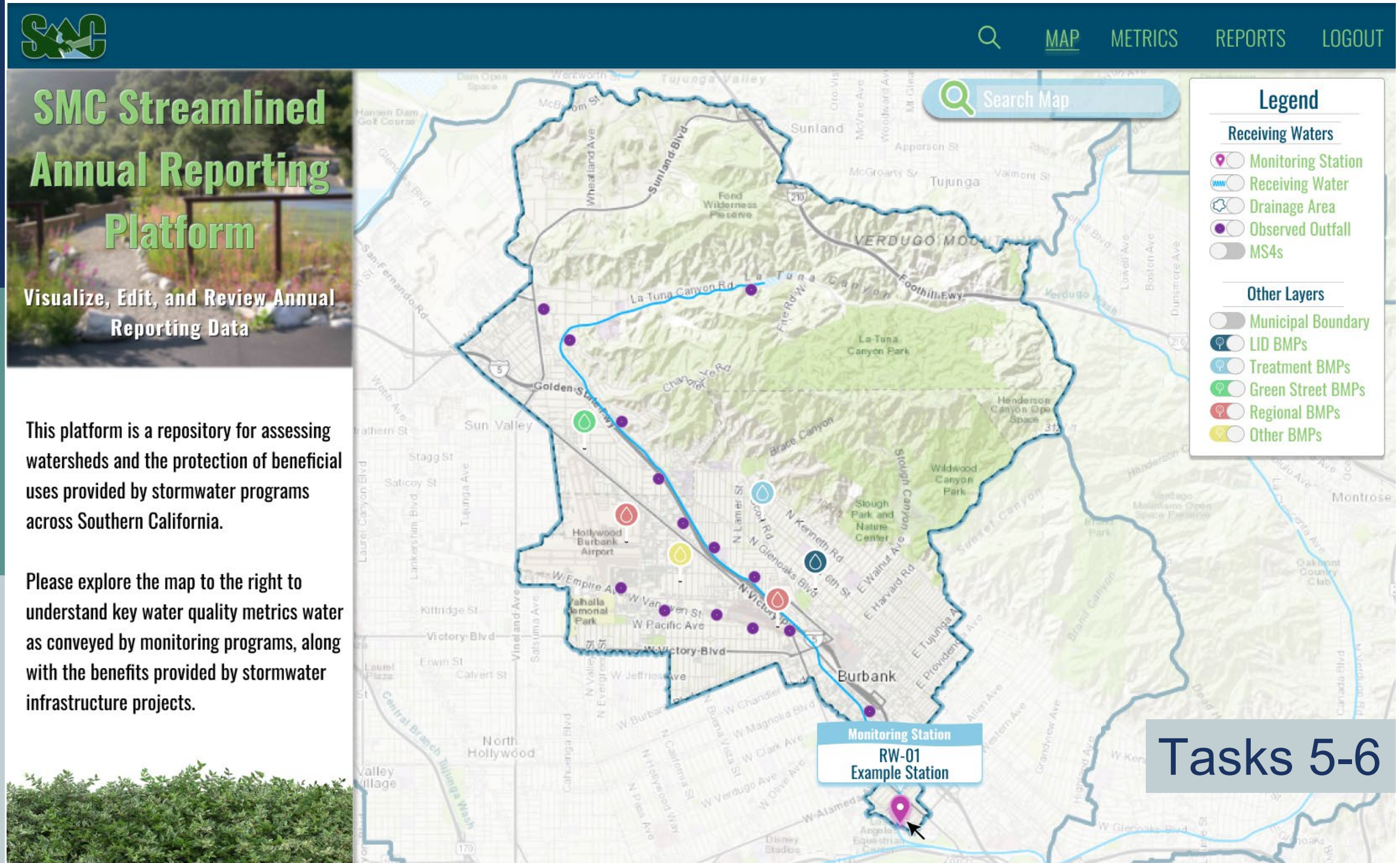
Task 3 – Identify High Value Metrics



Steering Committee Approval (June 2022)

- Approval of metrics identified by the Focus Group
  - Outcomes – Environmental-based Metrics
  - Performance Indicators – Program-based Metrics

- Need commitment from Steering Committee members to allow for streamlining
  - Regulated entities – commitment to collect and analyze the data necessary for the use of the metrics
  - Regulators – commitment to investigate a different approach for annual reporting that is focused on the use of the metrics (could be a pilot program to test out approach)


MAP
METRICS
REPORTS
LOGOUT
SMC Streamlined Annual Reporting Platform
Visualize, Edit, and Review Annual Reporting Data
This platform is a repository for assessing watersheds and the protection of beneficial uses provided by stormwater programs across Southern California.
Please explore the map to the right to understand key water quality metrics water as conveyed by monitoring programs, along with the benefits provided by stormwater infrastructure projects.
Search Map
Legend
Receiving Waters
Monitoring Station
Receiving Water
Drainage Area
Observed Outfall
MS4s
Other Layers
Municipal Boundary
LID BMPs
Treatment BMPs
Green Street BMPs
Regional BMPs
Other BMPs
Monitoring Station
RW-01
Example Station
Tasks 5-6

“Big Picture” for Streamlining Annual Reporting

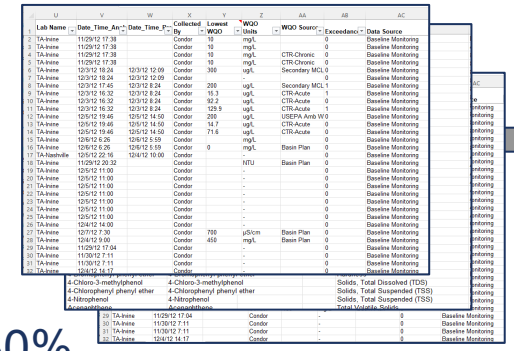
SMC Project Data Analysis/Summarization → Report

Future
Annual Reporting Permit Requirements

Annual Reporting - High Value Analysis *(Defined)*

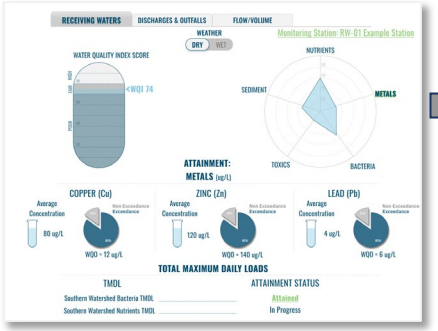
20-30%

Agency Inputs for Metrics

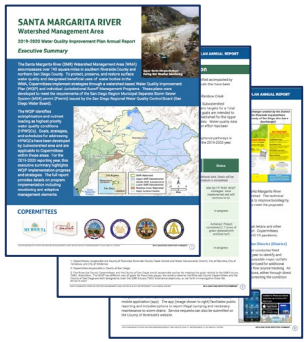


Upload into Data Platform

SMC Reporting Platform Outputs



Replace key sections and attachments of current reports

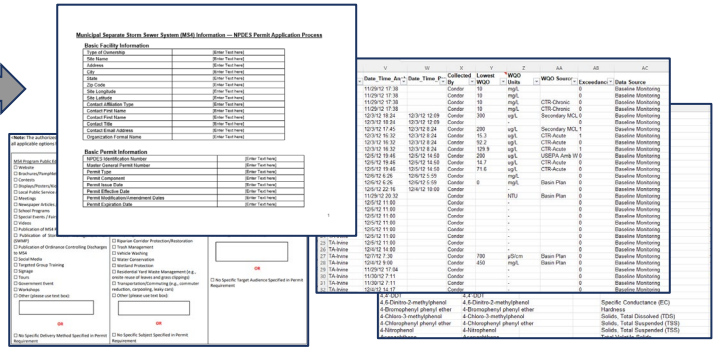


Annual Report Data Tracking (e-Reporting & SMARTS?)

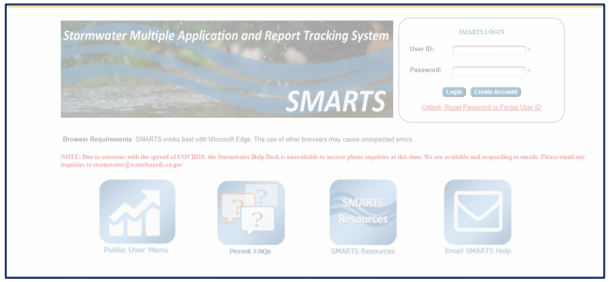
70-80%

Data Tracking

Agency Data Repository



Upload into **SMARTS?**



Summary of Potential Alternatives (October 24, 2023)

SMC Focus Group Feedback

Pursue Near Term (23-24/24-25)

Consider Long Term (After 2025)

No

	#1 No Project	#2 Limited Use	#3 Full Use	#4 Enhanced Use
Use of Platform / User Interface	Not Used	Used by Some SMC Members	Used by All SMC Members	Used by All SMC Members
Platform is Modified/Enhanced	---	---	---	Yes
Discussions with Regional Boards for Use of Platform / Reporting	---	Yes	Yes	Yes
Discussions with State Water Board regarding e-Reporting	---	Yes	Yes	Yes
Benefit of Alternative	---	Limited	Moderate	High

Steering Committee “Ask”

Support the SMC Focus Group and Project Team to…….

- Continue to collaborate with the Regional Boards to garner support for this streamlined reporting framework and build in language during permit renewals
- Continue to collaborate with the State Water Board regarding the future e-Reporting requirements (due Dec 2025)
- Find opportunities to leverage the Platform outputs and replace key sections/ attachments in current annual reports or for specific reporting programs

Once the framework is adopted / platform is being leveraged - additional core functionality / data processing capabilities could be considered