

APPENDIX A

Survey Response Summary

Question 3			
What best describes your role for this survey?			
Permittee Group/Type	Employee of a municipality, agency, or organization with an MS4 permit	Consultant answering on behalf of MS4 permittee	Other (please specify)
All Permittees	90%	7%	3%
Phase I and Phase II	90%	7%	3%
Phase I	92%	5%	3%
Phase II	90%	8%	2%
Phase II Non-Traditional	91%	5%	4%
State DOT	96%	4%	0%
All Permittees – Region 3	86%	9%	6%
All Permittees – Region 5	87%	12%	1%
All Permittees – Region 9	92%	5%	3%

Question 4																				
What is your organization's MS4 regulatory status? (Population in Category/% of Total Permittee Type Population)																				
Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9			
Phase I	186	23%	186	100%	0	0%	186	26%	0	0%	0	0%	0	0%	17	25%	38	19%	18	47%
Phase II	540	67%	0	0%	540	100%	540	74%	0	0%	0	0%	0	0%	40	58%	146	74%	16	42%
Phase I and II	726	90%	0	0%	0	0%	726	100%	0	0%	0	0%	0	0%	57	83%	184	93%	34	34%
Phase II Non-traditional	55	7%	0	0%	0	0%	0	0%	55	100%	0	0%	0	0%	8	12%	11	6%	1	3%
State DOT	23	3%	0	0%	0	0%	0	0%	0	0%	23	100%	4	6%	2	1%	3	8%		
Total	804	100%	186	100%	540	100%	726	100%	55	100%	23	100%	69	100%	197	100%	38	100%		

Question 6			
Is your community or organization covered by a statewide or regional general permit?			
Permittee Group/Type	Yes (%)	No (%)	
All Permittees	54%	46%	
Phase I and Phase II	54%	46%	
Phase I	39%	61%	
Phase II	60%	40%	
Phase II Non-Traditional	46%	54%	
State DOT	48%	52%	
All Permittees – Region 3	46%	54%	
All Permittees – Region 5	47%	53%	
All Permittees – Region 9	60%	40%	

Question 7			
How many co-permittees are there on your community's or organization's MS4 permit?			
Permittee Group/Type	Yes (%)	Total Count	Total Permittees
All Permittees	82%	141	2041
Phase I and Phase II	81%	131	1975
Phase I	65%	63	1167
Phase II	87%	68	808
Phase II Non-Traditional	89%	6	45
State DOT	78%	4	21
All Permittees – Region 3	93%	3	41
All Permittees – Region 5	84%	31	373
All Permittees – Region 9	71%	11	374

Question 8

What is the population that your organization serves? (Population in Category / % of Total Permittee Type Population)

Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9	
	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%	Count	%
Less than 10,000	142	18%	27	15%	95	18%	122	17%	20	36%	0	0%	17	25%	45	23%	1	3%
10,000 to 49,999	346	43%	54	29%	269	50%	323	44%	20	36%	3	13%	27	39%	86	44%	9	24%
50,000 to 99,999	121	15%	11	6%	102	19%	113	16%	6	11%	2	9%	5	7%	36	18%	10	26%
100,000 to 499,999	142	18%	62	33%	69	13%	131	18%	8	15%	3	13%	13	19%	25	13%	9	24%
500,000 to 999,999	25	3%	18	10%	3	1%	21	3%	0	0%	4	17%	3	4%	3	2%	1	3%
1 million to 1,999,999	14	2%	10	5%	1	0.2%	11	2%	0	0%	3	13%	2	3%	2	1%	3	8%
2 million or greater	14	2%	4	2%	1	0.2%	5	1%	1	2%	8	35%	2	3%	0	0%	5	13%
Total	804	100%	186	100%	540	100%	726	100%	55	100%	23	100%	69	100%	197	100%	38	100%

Question 9																											
On a scale of 1 to 5, please indicate the extent to which the following factors present a challenge to your stormwater program, 1 being not a challenge and 5 being an extremely significant challenge. (Rank/Weighted Score/% Challenge or Significant Challenge)																											
Permittee Group/Type	All Permittees			Phase I			Phase II			Phase I and Phase II			Phase II Non-Traditional			State DOT			All Permittees – Region 3			All Permittees – Region 5			All Permittees – Region 9		
	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge	Rank	Weighted Score	% Challenge
Aging infrastructure	2	3.85	66%	2	4.04	74%	2	3.86	66%	2	3.87	67%	2	3.65	60%	2	3.70	57%	3	4.12	75%	2	3.93	71%	6	3.45	53%
Funding or availability of capital	3	3.82	64%	3	3.86	64%	3	3.81	64%	3	3.86	65%	3	3.42	49%	5	3.43	48%	2	4.17	75%	3	3.89	65%	2	3.76	66%
Increasing or expanding regulations	4	3.58	56%	4	3.60	54%	4	3.60	57%	4	3.60	56%	4	3.33	45%	3	3.57	61%	4	3.88	68%	4	3.76	61%	3	3.61	58%
Public awareness and support	5	3.22	39%	5	3.29	42%	5	3.26	40%	5	3.27	40%	7	2.65	20%	7	2.96	26%	7	3.07	36%	4	3.13	36%	4	3.58	50%
Political support for program	6	2.99	33%	6	3.00	33%	6	2.98	33%	6	2.99	33%	6	2.95	27%	6	3.13	35%	6	3.06	33%	7	2.87	29%	7	3.24	39%
Cross-departmental coordination	7	2.90	31%	7	2.91	34%	7	2.87	30%	7	2.88	31%	5	2.95	29%	4	3.57	48%	7	2.86	25%	9	2.62	19%	4	3.58	53%
Aging workforce	8	2.69	24%	8	2.77	31%	9	2.66	22%	8	2.69	24%	10	2.56	18%	8	2.87	26%	8	2.77	25%	8	2.65	22%	11	2.35	19%
Technical expertise	9	2.62	20%	9	2.59	21%	11	2.62	20%	10	2.61	20%	8	2.63	24%	9	2.70	17%	11	2.68	20%	11	2.54	19%	10	2.50	18%
Permit requirements are unclear	10	2.61	24%	11	2.45	19%	8	2.67	25%	9	2.62	24%	9	2.58	24%	11	2.57	13%	12	2.67	26%	6	2.87	32%	8	2.58	16%
Information/training on best practices	11	2.59	19%	10	2.49	18%	10	2.65	20%	11	2.61	20%	11	2.56	18%	10	2.61	13%	9	2.74	25%	10	2.55	15%	8	2.66	21%
Other (please rank, and then specify)	1	4.46	89%	1	4.48	85%	1	4.47	89%	1	4.47	88%	1	4.36	100%	1	4.43	86%	1	4.50	83%	1	4.38	86%	1	4.78	100%

Question 10																											
On a scale of 1 to 5, please indicate the importance of the following drivers for your stormwater planning and investment decisions, 1 being not a driver and 5 being an extremely important driver. (Rank/Weighted Score/% Important or Very Important)																											
Permittee Group/Type	All Permittees			Phase I			Phase II			Phase I and Phase II			Phase II Non-Traditional			State DOT			All Permittees – Region 3			All Permittees – Region 5			All Permittees – Region 9		
	1	2	3	4	5	61%	3.71	1	3.64	1	3.66	1	3.43	1	3.22	3	3.61	2	3.63	60%	2	3.63	60%	6	3.18	42%	
Aging Infrastructure	2	3.51	57%	3	3.47	55%	2	3.50	2	3.50	2	3.40	2	3.40	1	4.00	70%	3	3.41	58%	3	3.41	58%	3	3.45	50%	
Water quality	3	3.43	51%	2	3.48	53%	3	3.45	3	3.45	3	3.29	3	3.29	4	3.18	45%	8	3.23	41%	4	3.23	41%	4	3.35	46%	
Land Development	4	3.23	42%	4	3.25	40%	5	3.25	5	3.25	5	3.02	5	3.02	7	3.09	39%	6	3.17	36%	5	3.17	36%	8	3.08	42%	
Watershed management	5	3.18	41%	7	3.17	42%	7	3.20	7	3.20	7	3.00	7	3.00	5	3.17	43%	7	3.05	37%	8	3.05	37%	5	3.30	41%	
Illicit Discharges	7	3.14	42%	6	3.23	47%	6	3.21	6	3.21	6	2.36	11	2.36	9	2.70	30%	9	3.11	42%	6	3.11	42%	7	3.11	37%	
Localized street flooding	8	3.06	39%	9	3.08	44%	8	3.05	8	3.05	8	3.25	4	3.25	6	3.13	48%	5	2.94	36%	9	2.94	36%	2	3.61	58%	
Regional compliance needs	9	3.00	39%	3	3.41	51%	9	2.85	9	2.99	9	3.00	6	3.00	2	3.39	52%	2	3.08	38%	7	3.08	38%	9	2.92	50%	
TMDL compliance	10	2.61	22%	10	2.77	27%	10	2.53	10	2.59	10	2.70	8	2.70	8	2.87	26%	10	2.59	21%	11	2.59	21%	10	2.64	19%	
Habitat restoration	11	2.49	21%	11	2.63	24%	11	2.44	11	2.49	11	2.61	9	2.61	11	2.22	4%	11	2.60	26%	10	2.60	26%	11	2.53	18%	
Climate change	12	2.22	19%	13	2.30	20%	12	2.23	13	2.25	13	1.76	12	1.76	10	2.30	13%	13	2.45	25%	12	2.45	25%	14	1.79	13%	
Coastal /riverine/lake flooding	13	2.20	20%	12	2.40	22%	13	2.21	12	2.26	12	1.73	13	1.73	14	1.61	0%	12	2.04	23%	13	2.04	23%	13	1.89	8%	
Sanitary sewer overflows	14	1.99	11%	14	2.05	15%	14	2.00	14	2.01	14	1.73	14	1.73	13	1.83	4%	14	2.05	%12	15	2.05	%12	12	2.13	8%	
Water supply requirements (source water)	15	1.78	14%	15	1.76	14%	15	1.81	15	1.79	15	1.67	15	1.67	15	1.57	0%	15	2.08	24%	14	2.08	24%	15	1.79	3%	
Combined sewer overflows	6	3.16	47%	5	3.29	50%	5	3.24	4	3.26	4	2.43	10	2.43	11	9.99	43%	1	3.85	69%	1	3.85	69%	1	4.00	75%	

Question 11

On a scale of 1 to 5, please indicate your level of need for information and/or technical resources for each of the following stormwater topic areas, 1 being no need and 5 being a very high need. (Rank/Weighted Score/% High or Very High)

Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9		
	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	
Funding and financing. Includes analysis of funding needs, identification of current funding sources, and innovative financing approaches.	1	3.73	1	3.84	1	3.74	1	3.76	1	3.42	4	3.30	1	3.78	1	3.78	1	3.97	68%
Watershed-based stormwater planning. Includes cross-departmental coordination, inter-jurisdictional and long-range planning, integrated planning, and addressing stormwater issues across land uses.	3	3.37	2	3.53	3	3.33	3	3.38	3	3.18	1	3.48	3	3.49	4	3.21	3	3.58	58%
Asset management. Includes mapping, condition assessment, and prioritization; operations, replacement and maintenance; use of automated technology; and lifecycle cost analysis.	2	3.37	4	3.47	2	3.35	2	3.38	5	3.16	2	3.43	2	3.54	2	3.35	5	3.35	51%
MS4 program planning, administration, and governance. Includes program management, audits and evaluation, performance-based permitting, stormwater utility setup, and building political support.	4	3.30	5	3.30	4	3.32	4	3.31	4	3.16	5	3.26	4	3.46	3	3.25	4	3.47	55%
Green infrastructure and other innovative BMPs. Includes innovative policies and incentives; BMP performance, cost, and maintenance requirements; multi-benefit stormwater management; and quantifying BMP effectiveness.	5	3.28	3	3.49	5	3.20	5	3.28	2	3.31	3	3.35	6	3.25	5	3.19	2	3.66	53%
TMDL compliance. Includes tracking/accounting for TMDL compliance and performance and cost-effectiveness of best management practices.	6	2.95	6	3.08	6	2.92	6	2.96	6	2.73	6	3.17	5	3.35	6	3.14	6	2.74	34%

Question 12																											
Which of the areas identified in the previous question requires the most program resources to operate (labor and capital)? (Rank/Population within Category/% within Total Permittee Type Population)																											
Permittee Group/Type	All Permittees			Phase I			Phase II			Phase I and Phase II			Phase II Non-Traditional			State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9					
	Rank	Population	%	Rank	Population	%	Rank	Population	%	Rank	Population	%	Rank	Population	%	Rank	Population	%	Rank	Population	%	Rank	Population	%			
Watershed-based stormwater planning	5	58	7%	4	21	12%	4	33	6%	4	54	7%	6	3	6%	4	1	4.5%	5	4	6%	6	10	5%	6	1	3%
MS4 program planning, administration, and governance	1	353	44%	1	69	38%	1	252	47%	1	321	45%	1	23	42%	1	9	39%	1	27	39%	1	88	45%	1	21	55%
Asset Management	2	169	21%	2	32	17%	2	120	22%	2	152	21%	2	8	15%	1	9	39%	3	9	13%	2	38	19%	2	6	16%
TMDL compliance	4	61	8%	5	18	10%	5	35	7%	5	53	7%	5	5	9%	3	3	13%	2	18	26%	4	15	8%	4	3	8%
Green infrastructure and other innovative BMPs	6	50	6%	6	15	8%	6	26	5%	6	41	6%	2	8	15%	4	1	4.5%	6	3	4%	4	16	8%	3	4	11%
Funding and financing	3	105	13%	3	27	15%	3	71	13%	3	98	14%	4	7	13%	0	0	0%	4	8	12%	3	29	15%	4	3	8%

Question 13

		On a scale of 1 to 5, please indicate your level of need for information and/or technical resources related to each of the minimum control measures or other aspects of permit compliance, 1 being no need and 5 being a very high need. (Rank/Weighted Score/% High or Very High)																							
MCM Number	Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9							
		Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%						
5	Post-construction and new development stormwater runoff control	1	3.16	44%	1	3.16	44%	1	3.16	44%	1	3.02	39%	1	3.30	52%	4	2.90	35%	1	3.13	42%	1	3.16	47%
N/A	Monitoring and evaluation	2	3.09	40%	2	3.12	41%	2	3.12	41%	7	2.81	31%	3	2.96	30%	1	3.24	49%	3	3.05	36%	2	2.95	34%
6	Good housekeeping and pollution prevention	3	3.00	34%	5	2.93	32%	3	3.01	34%	3	3.00	37%	5	2.70	35%	2	3.00	37%	2	3.06	33%	5	2.79	32%
3	Illicit discharge detection and elimination	4	2.99	33%	7	2.90	30%	3	3.04	34%	4	2.89	35%	4	2.74	22%	3	2.91	30%	4	2.96	32%	3	2.89	29%
2	Public involvement and participation	5	2.94	35%	3	3.04	40%	5	2.96	35%	4	2.91	35%	6	2.57	17%	5	2.90	35%	6	2.89	31%	6	2.71	29%
4	Construction site stormwater runoff control	6	2.92	32%	6	2.90	34%	6	2.92	31%	6	2.83	31%	2	3.18	45%	7	2.54	20%	7	2.88	27%	3	2.89	35%
1	Public education and outreach	7	2.87	31%	4	2.99	38%	7	2.87	28%	2	3.02	35%	7	2.43	17%	6	2.77	29%	5	2.90	27%	8	2.42	21%
N/A	Industrial and commercial facilities oversight for Phase I municipal permittees	8	1.80	18%	8	2.86	37%	8	1.84	13%	8	1.30	9%	8	1.77	0%	8	1.70	15%	8	1.68	%16	7	2.44	22%

Question 14

Do you use watershed-based stormwater planning in your Program?

Permittee Group/Type	Yes (%)	No (%)	Unsure (%)
All Permittees	54%	34%	12%
Phase I and Phase II	55%	33%	11%
Phase I	61%	28%	11%
Phase II	53%	35%	12%
Phase II Non-Traditional	41%	41%	18%
State DOT	41%	46%	13%
All Permittees – Region 3	48%	42%	10%
All Permittees – Region 5	61%	29%	10%
All Permittees – Region 9	47%	37%	10%

Question 15

On a scale of 1 to 5, indicate your level of need for information and/or technical resources for each of the following, 1 being no need and 5 being a very high need. (Rank/Weighted Score/% High or Very High)

Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9										
	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%	Rank	%									
Connecting stormwater investments to other community priorities and plans	1	3.38	48%	1	3.54	53%	1	3.39	48%	1	3.43	50%	1	2.91	37%	3	3.00	33%	1	3.51	58%	1	3.29	41%	3	3.55	55%
Incorporating co-benefits of stormwater controls into decision-making	2	3.21	42%	2	3.39	46%	2	3.19	41%	2	3.24	42%	2	2.85	35%	1	3.24	43%	2	3.14	38%	3	3.10	41%	2	3.55	58%
Planning across municipal departments	3	3.05	37%	3	3.27	43%	5	3.01	35%	3	3.08	37%	4	2.72	30%	5	2.81	33%	7	2.93	33%	8	2.85	27%	3	3.55	55%
Conducting watershed scale assessments	5	3.01	37%	6	3.13	38%	3	3.04	36%	4	3.06	37%	6	2.54	30%	9	2.67	24%	3	3.09	36%	7	3.90	30%	9	2.82	37%
Design of flood management projects to include water quality considerations	4	3.01	36%	5	3.17	43%	4	3.01	36%	5	3.05	38%	5	2.61	28%	7	2.76	24%	6	2.99	36%	5	2.97	35%	7	3.00	37%
Regional planning/coordination	6	2.96	32%	4	3.19	39%	7	2.90	30%	6	2.98	32%	3	2.76	31%	2	3.05	33%	4	3.04	38%	6	2.93	28%	6	3.08	37%
Public private partnership	7	2.90	31%	7	3.03	36%	6	2.94	32%	7	2.96	33%	9	2.17	15%	8	2.71	14%	9	2.87	28%	4	3.01	38%	8	2.87	34%
Water quality trading programs	8	2.62	24%	8	2.82	26%	8	2.57	23%	8	2.63	24%	7	2.37	28%	6	2.81	29%	8	2.90	28%	10	2.43	21%	10	2.47	26%
Integrated water supply planning that includes stormwater capture	9	2.50	22%	9	2.71	27%	9	2.46	21%	9	2.53	22%	8	2.28	26%	10	2.29	14%	10	2.31	16%	9	2.46	15%	5	3.08	45%
Other (please rank, and then specify below)	10	2.44	24%	10	2.64	18%	10	2.43	29%	10	2.50	25%	10	2.13	25%	4	3.00	0%	5	3.00	33%	2	3.17	50%	1	4.00	100%

Question 16			
Do you have a stormwater asset management plan?			
Permittee Group/Type	Yes (%)	No (%)	Unsure (%)
All Permittees	46%	44%	10%
Phase I and Phase II	46%	44%	10%
Phase I	52%	38%	10%
Phase II	44%	46%	10%
Phase II Non-Traditional	34%	57%	9%
State DOT	50%	32%	18%
All Permittees – Region 3	45%	46%	9%
All Permittees – Region 5	46%	47%	7%
All Permittees – Region 9	57%	38%	11%

Question 17

Please provide us with your information needs related to operations & maintenance and stormwater asset management. On a scale of 1 to 5, indicate your level of need for information and/or technical resources for each of the following, 1 being no need and 5 being a very high need.

Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3			All Permittees – Region 5		All Permittees – Region 9				
	1	2	1	2	3	4	1	2	3	4	5	1	2	3	4	5	1	2	3			
Evaluating life-cycle costs of stormwater control measures	3.42	51%	3.47	53%	3.39	50%	3.41	51%	3.41	48%	3.59	55%	3.57	57%	3.26	47%	2	3.26	47%	2	3.58	58%
Prioritizing stormwater asset maintenance and replacement	3.28	45%	3.18	43%	3.32	46%	3.28	45%	3.19	39%	3.41	45%	3.28	46%	3.28	44%	1	3.28	44%	7	2.84	29%
Cost estimating/cash flow analysis for capital expenditure/system improvement	3.23	45%	3.32	48%	3.21	44%	3.24	45%	3.07	43%	3.27	45%	3.59	58%	3.11	41%	4	3.11	41%	3	3.37	50%
Developing a condition assessment of stormwater assets	3.22	45%	3.17	44%	3.26	46%	3.23	45%	3.04	39%	3.27	55%	3.16	41%	3.20	47%	3	3.20	47%	4	3.13	37%
Using automated information technology to monitor and control operations and maintenance	3.16	45%	3.21	45%	3.15	41%	3.17	42%	3.00	35%	3.50	50%	3.43	58%	2.95	35%	5	2.95	35%	5	3.11	37%
Asset management software and tools	3.03	37%	3.03	37%	2.99	36%	3.00	36%	3.15	41%	3.59	59%	3.25	41%	2.92	34%	6	2.92	34%	6	2.92	37%
Mapping private stormwater control structures	2.78	34%	2.87	35%	2.85	36%	2.86	36%	2.13	22%	1.95	14%	2.38	26%	2.84	32%	7	2.84	32%	8	2.99	39%
Creating an inventory/database of stormwater assets	2.71	31%	2.72	34%	2.68	30%	2.69	31%	2.65	28%	3.18	50%	2.59	32%	2.68	34%	8	2.68	34%	9	2.37	21%
Mapping your storm sewer system	2.44	24%	2.50	25%	2.40	23%	2.43	24%	2.44	24%	3.00	45%	2.65	30%	2.19	18%	9	2.19	18%	10	2.18	21%
Other (please rank, and then specify below)	2.41	31%	2.80	40%	2.35	30%	2.50	33%	1.57	14%	4.00	50%	3.00	33%	1.75	25%	10	1.75	25%	1	5.00	100%

Question 18

Please provide us with your information needs related to green infrastructure and other innovative BMPs. On a scale of 1 to 5, indicate your level of need for information and/or technical resources for each of the following, 1 being no need and 5 being a very high need. (Rank/Weighted Score/% High or Very High)

Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9														
	1	2	3	4	5	3	4	2	3	1	2	3	4	5	1	2	3	4													
BMP life-cycle costs analysis	3.47	53%	3.47	55%	3.53	2	3.53	55%	3.44	52%	2	3.47	53%	3.47	2	3.47	53%	3.45	57%	2	3.67	67%	1	3.54	52%	2	3.42	56%	9	3.22	44%
Opportunities to encourage innovation	3.40	48%	3.40	48%	3.47	5	3.47	48%	3.38	48%	5	3.40	48%	3.40	5	3.40	48%	3.25	45%	1	3.76	62%	1	3.54	54%	7	3.28	42%	4	3.51	54%
Policies and incentives to encourage green infrastructure on private property	3.40	52%	3.40	54%	3.52	3	3.52	54%	3.51	55%	1	3.51	55%	3.51	1	3.51	55%	2.45	32%	10	2.05	19%	9	3.00	41%	1	3.44	49%	7	3.36	53%
Analyzing and valuing stormwater management on a multi-benefit basis	3.39	49%	3.39	54%	3.55	1	3.55	54%	3.35	47%	4	3.40	49%	3.40	4	3.40	49%	3.26	47%	5	3.38	57%	3	3.43	51%	6	3.28	42%	6	3.39	50%
Development standards and incentives that encourage innovative BMPs/green infrastructure	3.39	51%	3.39	53%	3.51	4	3.51	53%	3.44	52%	3	3.46	52%	3.46	3	3.46	52%	2.79	42%	9	2.52	29%	7	3.20	46%	5	3.32	45%	2	3.61	53%
BMP performance data	3.37	49%	3.37	52%	3.45	6	3.45	52%	3.33	48%	6	3.36	49%	3.36	6	3.36	49%	3.38	53%	3	3.62	57%	6	3.28	46%	4	3.36	51%	5	3.44	53%
BMP maintenance requirements	3.36	49%	3.36	52%	3.40	7	3.40	52%	3.33	48%	7	3.35	49%	3.35	7	3.35	49%	3.36	47%	3	3.62	57%	4	3.41	46%	3	3.36	49%	8	3.31	50%
Need for certification requirements for workers that install, construct, inspect, and maintain green infrastructure	3.25	44%	3.25	44%	3.34	8	3.34	44%	3.28	46%	8	3.29	46%	3.29	8	3.29	46%	2.89	36%	8	2.76	29%	8	3.20	39%	8	3.22	41%	3	3.58	56%
Stormwater volume credit trading programs	2.82	34%	2.82	41%	3.03	10	3.03	41%	2.77	32%	9	2.84	34%	2.84	9	2.84	34%	2.51	34%	6	3.05	43%	10	2.91	36%	10	2.82	33%	10	3.22	3.22%
Other (please rank, and then specify)	2.47	31%	2.47	42%	3.17	9	3.17	42%	2.12	29%	10	2.55	34%	2.55	10	2.55	34%	2.00	17%	7	3.00	0%	5	3.33	67%	9	3.00	25%	1	5.00	100%

Question 19			
Do you have TMDL requirements you are responsible for under your NPDES Permit?			
Permittee Group/Type	Yes (%)	No (%)	Unsure (%)
All Permittees	52%	39%	9%
Phase I and Phase II	52%	38%	10%
Phase I	62%	25%	13%
Phase II	49%	43%	8%
Phase II Non-Traditional	40%	52%	8%
State DOT	82%	18%	0%
All Permittees – Region 3	65%	27%	8%
All Permittees – Region 5	57%	31%	12%
All Permittees – Region 9	49%	49%	2%

Question 20

Please provide us with more detail on your TMDL compliance. On a scale of 1 to 5, indicate your level of need for information and/or technical resources for each of the following, 1 being no need and 5 being a very high need. (Rank/Weighted Score/% High or Very High)

Permittee Group/Type	All Permittees		Phase I		Phase II		Phase I and Phase II		Phase II Non-Traditional		State DOT		All Permittees – Region 3		All Permittees – Region 5		All Permittees – Region 9	
	Rank	Weighted Score	Rank	% High	Rank	% High	Rank	% High	Rank	% High	Rank	% High	Rank	% High	Rank	% High	Rank	% High
Cost and effectiveness of available treatment (structural) BMPs	1	3.50	2	51%	1	56%	1	3.48	1	64%	2	3.65	1	73%	1	55%	3	47%
Cost and effectiveness of source control (non-structural) BMPs	2	3.46	1	53%	2	54%	2	3.46	3	55%	5	3.41	2	60%	2	52%	2	58%
Tracking and accounting for TMDL compliance	3	3.23	6	39%	3	46%	4	3.19	2	55%	1	3.71	2	59%	3	54%	7	16%
Compliance methods for permit load allocations	4	3.22	3	44%	4	43%	3	3.20	5	45%	3	3.59	5	64%	4	39%	4	37%
Integrating TMDL requirements into stormwater planning	5	3.14	5	40%	5	37%	5	3.13	4	36%	6	3.35	6	53%	5	37%	6	16%
Water quality modeling	6	3.12	4	47%	6	39%	6	3.11	6	41%	4	3.47	4	60%	6	32%	5	37%
Other (please rank, and then specify below)	7	2.09	7	29%	7	17%	7	2.16	7	0%	7	3.00	7	33%	7	0%	1	100%

Question 25

In general, do you think the overall federal stormwater program is sufficient to meet clean water goals in the longterm?

Permittee Group/Type	Yes (%)	No (%)	Unsure (%)
All Permittees	36%	32%	32%
Phase I and Phase II	36%	32%	32%
Phase I	27%	40%	33%
Phase II	40%	29%	31%
Phase II Non-Traditional	30%	28%	42%
State DOT	27%	36%	36%
All Permittees – Region 3	25%	37%	38%
All Permittees – Region 5	47%	24%	29%
All Permittees – Region 9	31%	44%	25%