Ryan Janoch, PE
Founder of Mapistry

State of VA BMP Committee (appointed)
Led NJDEP BMP testing reg. development
National Committee for Stormwater BMPs w/ EPA

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Rebecca Greenwood

California Water Board

ABOUT MAPISTRY

- **Intuitive cloud-based platform and mobile app** makes compliance painless

- **Provides 24/7 visibility into compliance health** from inspections to sampling, and discharge reporting

- **Effortlessly record, manage, and analyze inspection data** in real-time

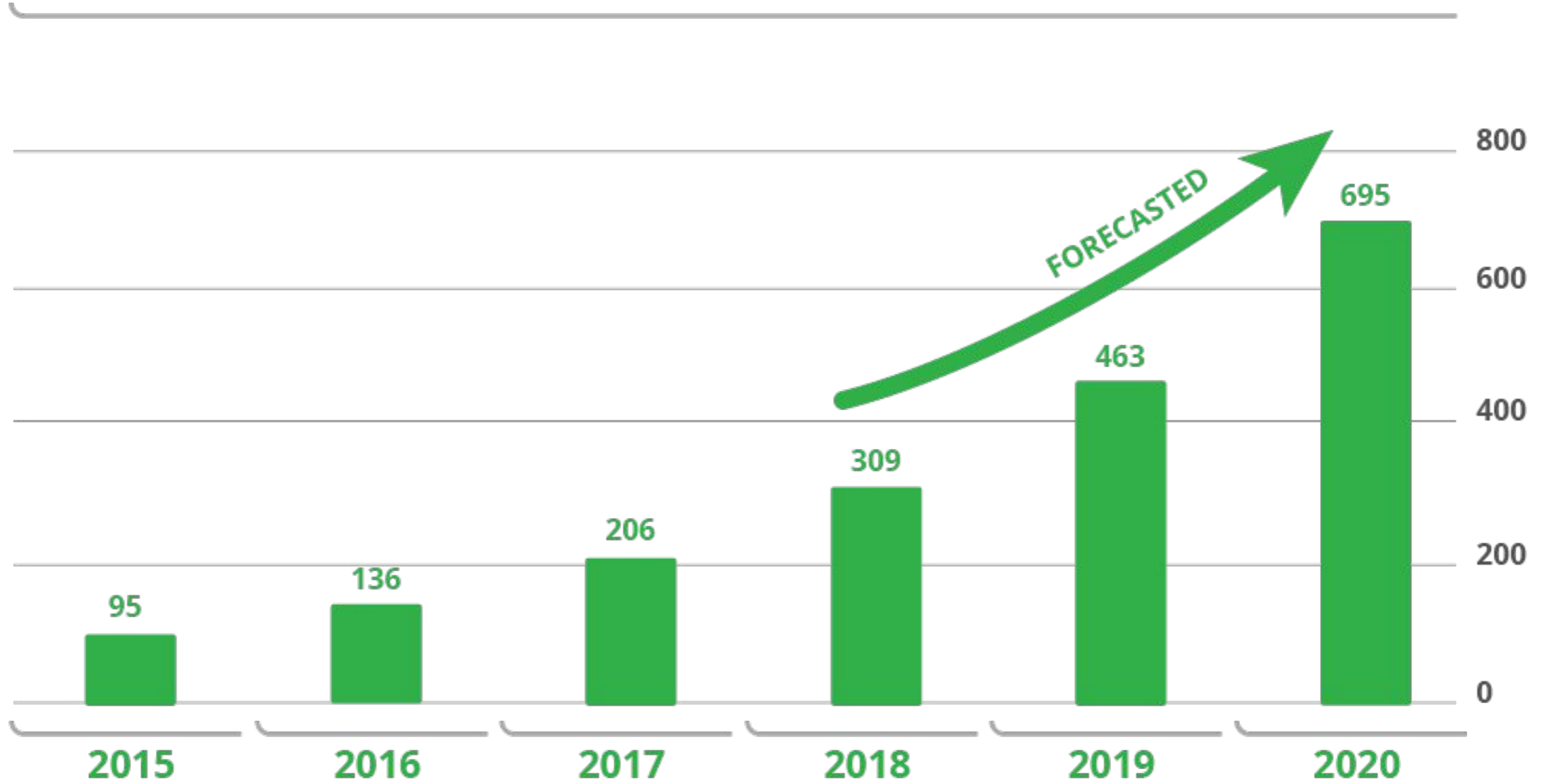- **Quickly and easily create site maps** of all your facility locations

Trusted by:

FAX FRESNO AREA EXPRESS — REPUBLIC SERVICES — Vulcan Materials Company — SIMS METAL MANAGEMENT — AC TRANSIT

FOLSOM READY MIX — A&R Logistics — City of FRESNO — SALINAS — THE CITY OF EL CERRITO — ITRenew Real innovation. Real impact.

Simplifying stormwater compliance

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MAPISTRY SOLUTION

STORMWATER
EDUCATION

ENVIRONMENTAL
COMPLIANCE
PLATFORM

SUBJECT MATTER
EXPERTS

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Number of Lawsuits Filed

Year	Number
2015	95
2016	136
2017	206
2018	309
2019	463
2020	695

FORECASTED

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What makes a company a target?

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#1 Issue

Not having an organized stormwater program

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Alleged Violations

Category	Percentage
Ocean Plan or ASBS	(minimal)
Inadequate NOI	6%
Non-Stormwater Discharge	14%
Site Map	16%
Level 1 ERA	22%
Annual Report	71%
Receiving Water Exceedance	88%
SWPPP	92%
Effluent Exceedance	94%
Monitoring Program	95%
BMPs	95%

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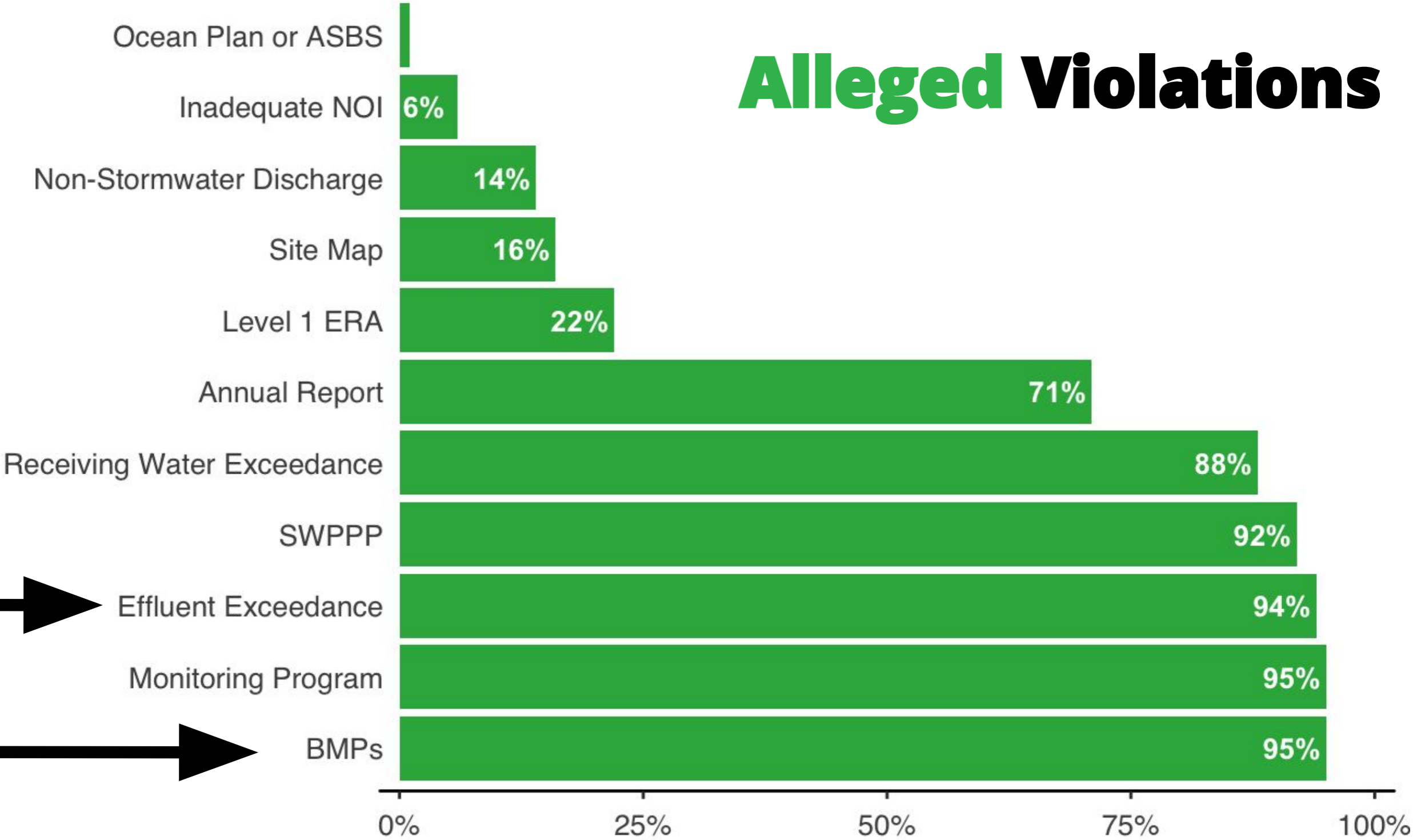
Alleged Violations
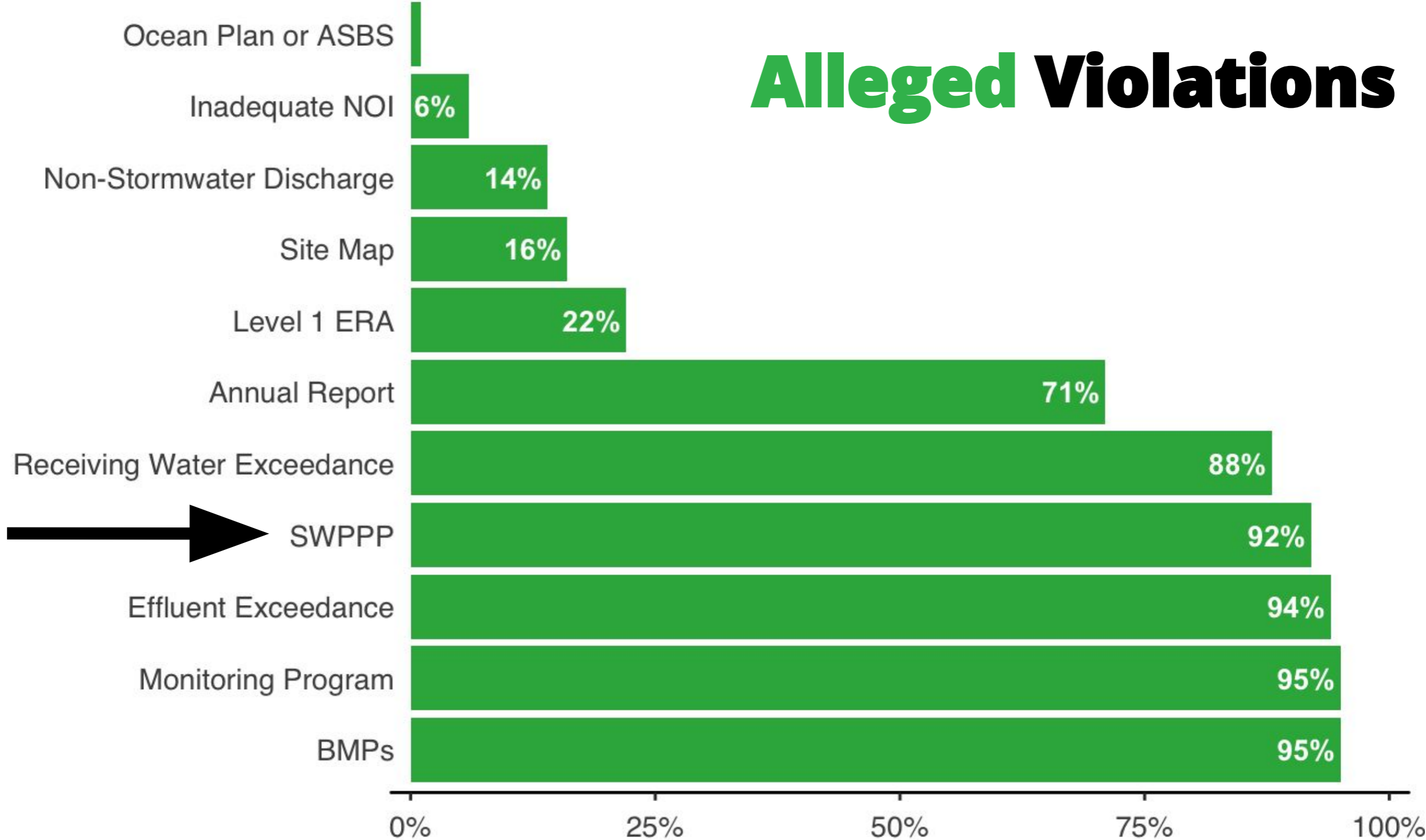
LITIGATION PREVENTION
WHAT EVERY COMPANY SHOULD BE DOING

✓ **Be proactive** with issues/exceedances

✓ Build a **world-class stormwater program**

✓ **Leverage technology** to fight back

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END OF YEAR TIMELINE

ANNUAL
EVALUATION
BY 6/30

ANNUAL REPORT
BY 7/15

SWPPP UPDATES
90 DAYS

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SITE EVALUATION

Site Inspection

* Indicates required field

Industrial Areas Inspection *

Was an inspection of all areas of industrial activity and associated potential pollutant sources for evidence of, or the potential for, pollutants entering the storm water conveyance system done?

[Yes ▾]

Additional Potential Pollutants *

Any potential pollutants or industrial activities identified that are not in the SWPPP?

[No ▾]

No Exposure Drainage Areas

Was an inspection of all areas of industrial activity and associated potential pollutant sources for evidence of, or the potential for, pollutants entering the storm water conveyance system done?

[N/A ▾]

No Exposure Drainage Areas Continued

Have these drainage areas remained unexposed to industrial activities?

[Yes ▾]

[Skip]   [Done]

SWPPP
UPDATE

BMP Name *　❓

29 chars left

Trash & Debris PIckup

BMP Description *　❓

165 chars left

Daily debris pickup around the yard

BMP Pollutant Reduction *　❓

Select all that apply and/or enter your own answers.

95 chars left

× trash

Frequency of BMP Implementation　❓

Select an option.

daily ▾

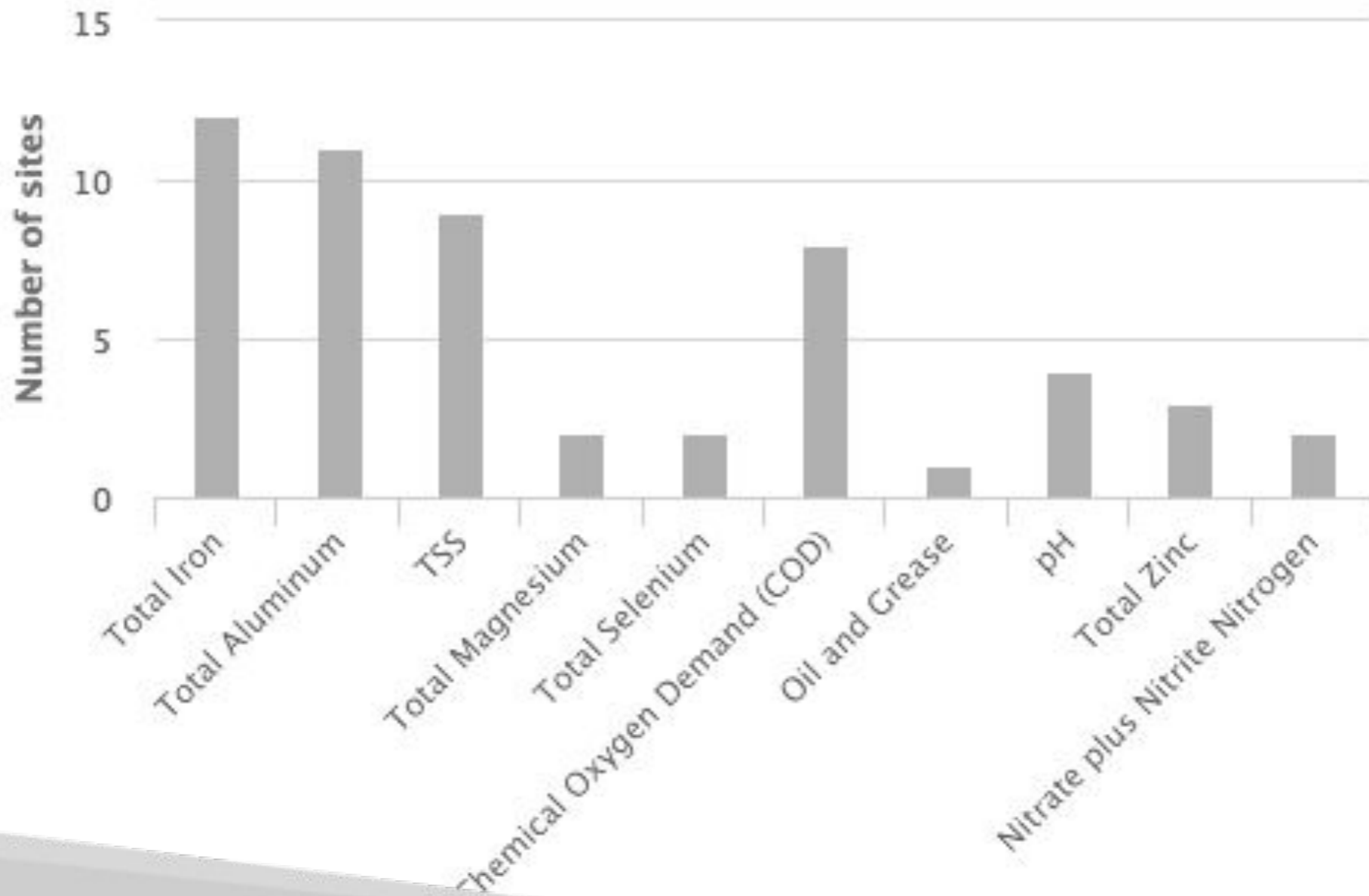**BMP Associated Industrial Activity** *　❓

80 chars left

Recycling activities

BMP Responsible Team Member *　❓

39 chars left

Ryan Janoch

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MAPISTRY SOFTWARE ANALYSIS

Sites with High Risk Sampling Results

KNOW BEFORE THE END

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EXCEEDANCE RESPONSE
Level 1 TIMELINE

✓ **Site evaluation (QISP)** by 10/1

✓ Level 1 Report **by 1/1 (QISP)**

✓ Implement BMPs and update SWPPP

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EXCEEDANCE RESPONSE
Level 2 TIMELINE

✓ Level 2 Action Plan **by 1/1 (QISP)**

✓ **Level 2 Technical Report by 1 year** after Action Plan

✓ Level 2 Extension **6 months**

LEVEL 2 OPTIONS

NON-INDUSTRIAL
SOURCE

NATURAL
BACKGROUND

BMP
DEMONSTRATION

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LEVEL 2 QUESTION
General Advice

Any advice to companies that are in Level 2 that have

been collecting data for their Technical Reports?

LEVEL 2 QUESTION

Non-Industrial and Natural Background

What is likely to be the biggest hurdle for companies to prove non-industrial or natural background sources?

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LEVEL 2 QUESTION
Technical Reports

Can Technical Reports be submitted now or should a

company wait until the Fall?

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LEVEL 2 QUESTION
Back to Baseline

How does it work going back to baseline, if a company submitted an Action Plan last year and has since collected 4 QSE samples below NALs?

Are they automatically going to go back to Baseline status?

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LEVEL 2 QUESTION
Advanced BMPs

Is it enough to just increase sweeping and housekeeping in Level 2 or should companies be looking at advanced BMPs, such as containment and treatment systems?

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QUESTIONS?

510-984-3332
INFO@MAPISTRY.COM

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WHERE MAPISTRY CAN HELP

STORMWATER EDUCATION

✓ On-site staff training

✓ **E-learning platform**

✓ Manager workshop(s)

ENVIRONMENTAL COMPLIANCE PLATFORM

✓ **SWPPP builder**

✓ Site map updates

✓ Mobile inspections

✓ **Rain logging & alerts**

SUBJECT MATTER EXPERTS

✓ **BMP/Program review**

✓ **Litigation support**

✓ Exceedance reports

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