

MS4 2% disconnection goal explained

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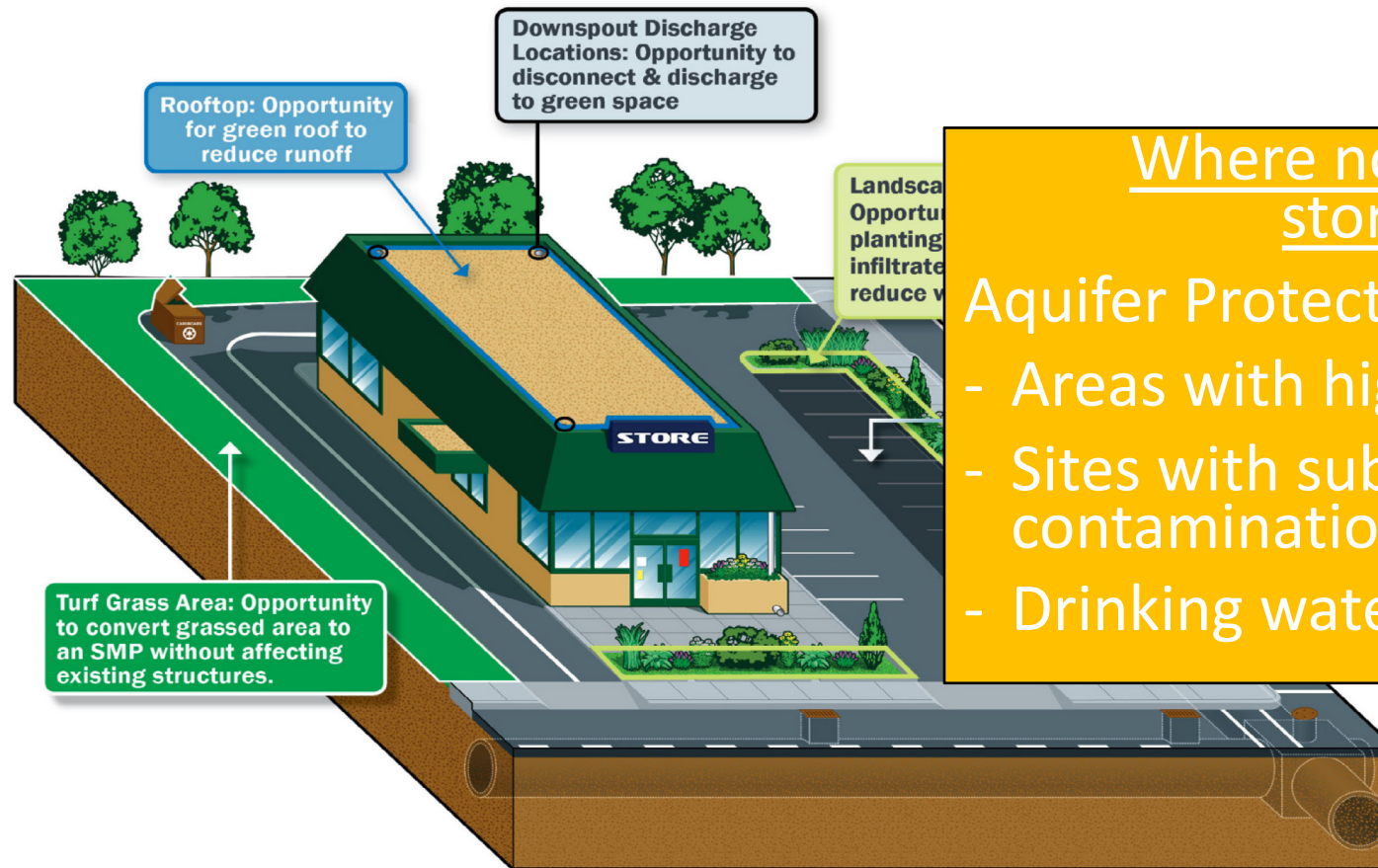
Directly Connected Impervious Area



Disconnected



Disconnect = infiltrate 1st inch of rain (WQV)



Where not to infiltrate stormwater

Aquifer Protection Areas where:

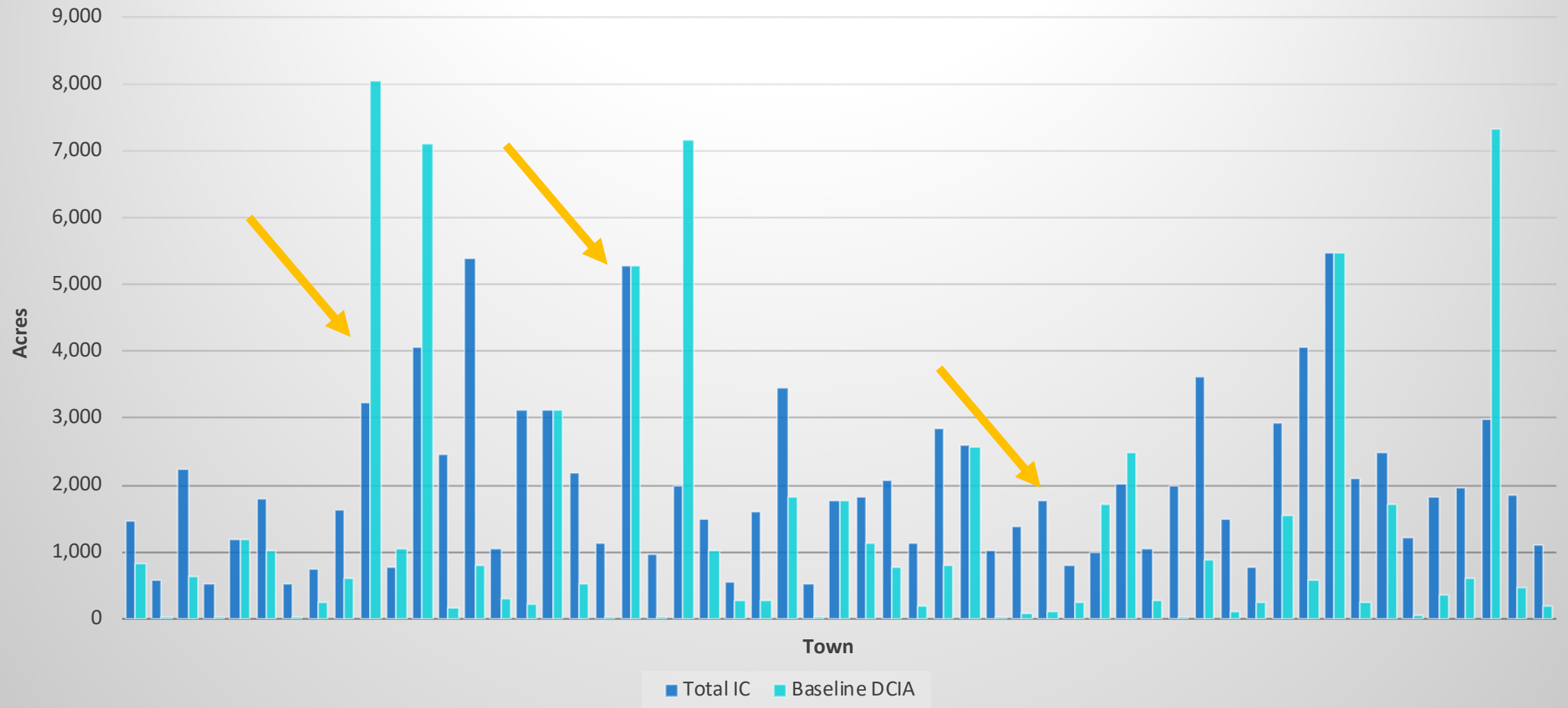
- Areas with high pollutant loads
- Sites with subsurface contamination
- Drinking water wellhead areas

Goal: Disconnect 2% of DCIA by July 2022

MS4 Retrofit Program

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6 (next permit)
Track disconnection	✓	✓	✓	✓	✓	
1% annual disconnect goal				✓	✓	✓
	Determine baseline DCIA					
	Develop retrofit plan					
				Implement projects from retrofit plan		

Total Impervious Cover vs Baseline DCIA calculation



DCIA help is always available!

- MS4 Mapping page →
- Email me:
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[What is DCIA?](#) [Calculate DCIA](#) [DCIA Tutorial](#)

What is DCIA?

Directly Connected Impervious Area (DCIA) is the impervious area that transports stormwater directly into a waterbody or into stormwater drainage infrastructure that transports runoff directly into waterbodies. Because there is wide scientific agreement that increasing amounts of impervious cover in a watershed lead to degraded water quality, the new permit addresses DCIA in a few different ways. It requires towns to:

1. Estimate the amount of DCIA for each outfall to a water body;
2. Estimate a townwide DCIA baseline number;
3. Track additions and subtractions of DCIA; and
4. Implement a Retrofit program to reduce DCIA by 2% by the end of the permit term.

Is your impervious cover connected?

Watch this [brief video](#) to get a better understanding of the difference between impervious area and Directly Connected Impervious Area.

Impervious cover data for CT

Through a grant from CT DEEP, NEMO acquired statewide high resolution (1ft) impervious cover data in September 2017. This data includes the percent impervious cover for each town and each basin. The data is based on 2012 imagery to reflect the permit's 5 year look back period for tracking disconnections of impervious cover. You can see this data on the MS4 Map viewer or download it from [CT ECO](#). Towns that have planimetric data or higher resolution impervious data would likely choose to use that data instead.

Next – Tracking impervious cover
disconnections