

STORMWATER TREATMENT

CATCH BASIN

Inserts

Stormwater BMP Products has a catch basin insert that now makes it possible to deploy either BiocharBASIC™ or BiocharPEAT™ Stormwater Treatment Medias for metal and other pollutants removal in your catch basin. Custom built to fit your catch basin, they are long-lasting, easy to clean, and easy to replace the filter media for heavy metals as needed. Our filter medias are organic, easy to maintain and affordable.

Manufactured by Stormwater BMP Products, the Catch Basin Filter Screen Basket is to collect and filter out large amounts of trash, debris and heavy sediment.

The Filter Screen Basket has a heavy-duty stainless steel frame and the steel screen basket section is vinyl coated for anti-corrosion. Now with the addition of either BiocharBASIC™ or BiocharPEAT™ Stormwater Treatment Medias you can easily reduce metals and other pollutants at the catch basin. Add ADSorb-It® Geotextile liner and remove oils and related pollutants.

Manufactured by



Stormwater Catch Basin **INSERTS** Features & OPTIONS:

- Sized based on your actual catch basin
- Designed to fit around any catch basin obstacles
- High Flow Screen **or** ADSorb-It® geotextile liner
- Test port can be built in
- Choice of media, Biochar **BASIC™** **or** Biochar **PEAT™**



The Right Biochar, The Right Blend, Dialed In.





STORMWATER TREATMENT CATCH BASIN Inserts



FIELD ANALYSIS STORMWATER TREATMENT

		Average Test Results		
		Before Treatment Install	After Treatment Install	% Reduced
Marine Industrial	Copper	21.24 µg/L	8.45 µg/L	60.22%
	Zinc	152.74 µg/L	33.5 µg/L	78.07%
CB1 Pallet Repair Facility	Copper	27.9 µg/L	7.35 µg/L	73.66%
	Zinc	125 µg/L	7.4 µg/L	94.08%
	COD	179.5 mg/L	33 mg/L	81.62%
CB5 Pallet Repair Facility	Copper	62.475 µg/L	8.15 µg/L	86.95%
	Zinc	521 µg/L	61.5 µg/L	88.20%
	COD	437.5 mg/L	9 mg/L	97.94%
Treatment Installed was Catch Basin Insert with BiocharBASIC™				



www.stormH20bmp.com

STORMWATER TREATMENT

StormwaterBIOCHAR.com

MEDIAS:

STORMWATER TREATMENT FILTRATION MEDIA
BiocharBASIC

STORMWATER TREATMENT FILTRATION MEDIA
BiocharPEAT

SYSTEMS:

Pure Rain
STORMWATER TREATMENT

FILTRATION
BAGS

STORMWATER TREATMENT
CATCH
BASIN
Inserts

Pure Rain
STORMWATER
TREATMENT
FILTRATION
SYSTEMS

Stormwater
BMP Products

PHONE

(602) 885-7597

EMAIL

dclark@stormH20bmp.com

THE RIGHT BIOCHAR,
THE RIGHT BLEND, DIALED IN

AMERICAN MADE



FIELD ANALYSIS **STORMWATER TREATMENT**

All testing except where noted, has been performed by an independent accredited lab.

Lab reports and testimonials available upon request.

Aluminum (Al)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	1.22 mg/L	.0584 mg/L	95% Reduction
2/18/14 VINW	.789 mg/L	.338 mg/L	57% Reduction
3/10/14 VINE	.0702 mg/L	.0315 mg/L	55% Reduction
3/10/14 VINW	ND		
4/1/14 VINE	.0644 mg/L	ND	100% Reduction
4/1/14 VINW	.0427 mg/L	ND	100% Reduction

Cadmium (Cd)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	.00233 mg/L	ND	100% Reduction
2/18/14 VINW	ND		
3/10/14 VINE	ND		
3/10/14 VINW	ND		
4/1/14 VINE	ND		
4/1/14 VINW	ND		

Chromium (Cr)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	.00532 mg/L	ND	100% Reduction
2/18/14 VINW	.00683 mg/L	ND	100% Reduction
3/10/14 VINE	ND		
3/10/14 VINW	ND		
4/1/14 VINE	ND		
4/1/14 VINW	ND		

Copper (Cu)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	.0417 mg/L	ND	100% Reduction
2/18/14 VINW	.0186 mg/L	ND	100% Reduction
3/10/14 VINE	.0149 mg/L	ND	100% Reduction
3/10/14 VINW	ND		
4/1/14 VINE	.013 mg/L	.00672 mg/L	48% Reduction
4/1/14 VINW	.00703 mg/L	ND	100% Reduction
5/12/15 VINE	.0505 mg/L	.0165 mg/L	67% Reduction
5/12/15 VINW	.02 mg/L	.0117 mg/L	42% Reduction

Lead (Pb)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	.315 mg/L	.00434 mg/L	99% Reduction
2/18/14 VINW	.0188 mg/L	.00398 mg/L	79% Reduction
3/10/14 VINE	.0136 mg/L	ND	100% Reduction
3/10/14 VINW	ND		
4/1/14 VINE	.00716 mg/L	.00103 mg/L	86% Reduction
4/1/14 VINW	.00144 mg/L	ND	100% Reduction

Zinc (Zn)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	1.93 mg/L	.106 mg/L	95% Reduction
2/18/14 VINW	.27 mg/L	.156 mg/L	42% Reduction
3/10/14 VINE	.615 mg/L	.349 mg/L	43% Reduction
3/10/14 VINW	.503 mg/L	.461 mg/L	8% Reduction
4/1/14 VINE	.341 mg/L	.212 mg/L	38% Reduction
4/1/14 VINW	.593 mg/L	.446 mg/L	25% Reduction
5/12/15 VINE	.503 mg/L	.392 mg/L	22% Reduction
5/12/15 VINW	.749 mg/L	.524 mg/L	30% Reduction

Iron (Fe)

Test Date & Loc.	Influent	Effluent	Percent Removed
2/17/14 VINE	2.89 mg/L	ND	100% Reduction
2/18/14 VINW	2.75 mg/L	.449 mg/L	84% Reduction
3/10/14 VINE	.156 mg/L	ND	100% Reduction
3/10/14 VINW	2.81 mg/L	ND	100% Reduction
4/1/14 VINE	.129 mg/L	ND	100% Reduction
4/1/14 VINW	.204 mg/L	.121 mg/L	41% Reduction

RAIN EVENT AMOUNTS / Bench Marks

Test Date & Loc.	Daily Total	Oregon	
2/17/14 VINE	1.57"	Aluminum	.75 mg/L
2/18/14 VINW	.89"	Copper	.036 mg/L
3/10/14 VINE	.1"	Lead	.06 mg/L
3/10/14 VINW	.1"	Zinc	.24 mg/L
4/1/14 VINW	.11"	Iron	1 mg/L
5/12/15 VI	.17"		

* 2/17 & 2/18 Nickel Tested - Results ND **VINW Has 3 pounds of PermaMatrix Particals in it.