



BiocharBASIC™

Stormwater Treatment Filtration Media

BiocharBASIC™ Stormwater Treatment Media is a blend of high quality StormwaterBIOCHAR™ with StormwaterSHALE™. **BiocharBASIC™** is designed to be a low cost, good life filter media for reducing zinc and copper from stormwater.

StormwaterBIOCHAR™ is a high quality grade biochar which is a key component to the success of **BiocharBASIC™**! StormwaterBIOCHAR™ has shown to adsorb both organic pollutants and heavy/trace metals within its porous structure. In addition, the presence of oxygen rich organic compounds on the StormwaterBIOCHAR™ surfaces adds substantial cation exchange capacity which aids in the capturing of trace contaminants such as zinc, copper and lead.

StormwaterSHALE™ is an activated ceramic filtering media is the environmentally friendly option for cleaning water and stormwater. Removes TSS, Metals, Phosphorus, Arsenic, Grease and Oils.

The Right **Biochar**, The Right **Blend**, Dialed In.

BiocharBASIC™ Performance:

- Lasts about a year
- Removes Metals and TSS
- Employs ion exchange
- All Organic Ingredients
- High Flow Rate, Low Contact Time Needed

BiocharBASIC™ Available in:

- Bulk Super Sacks (One Cubic Yard)
- Bulk one and a half cubic foot bags
- Pure Rain™ Filter Socks
- Catch Basin Inserts
- Pure Rain™ Filtration Systems

StormwaterBIOCHAR.com

BiocharBASIC™

Stormwater Treatment Filtration Media



Simple • Proven • Effective

Date of Test	Pollutant Tested	PRE Treatment	Unit of Measure	POST Treatment	Unit of Measure	% Change	Amount of Media	24 hr. Rain Event at Test	Other Site Information
3/26/19	#2 Diesel	1.7	mg/L	0.4	mg/L	76%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/3/19	#2 Diesel	1.9	mg/L	0.58	mg/L	69%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/5/19	#2 Diesel	1.8	mg/L	1.6	mg/L	11%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/10/19	#2 Diesel	0.46	mg/L	0.14	mg/L	70%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/11/19	#2 Diesel	0.45	mg/L	0.13	mg/L	71%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/19/19	#2 Diesel	1.2	mg/L	0.22	mg/L	82%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/24/19	#2 Diesel	0.98	mg/L	0.51	mg/L	48%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/7/19	#2 Diesel	1.4	mg/L	0.25	mg/L	82%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/27/19	#2 Diesel	4.3	mg/L	0.95	mg/L	78%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
3/22/18	Copper	21.4	µg/L	ND	µg/L	100%	1 CY	0.3"	Shingle Roof Manufacturer / Primarily Roof Runoff / <i>Passive</i>
3/26/19	Copper	20	µg/L	8.2	µg/L	59%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/3/19	Copper	9.5	µg/L	7.1	µg/L	25%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/5/19	Copper	17	µg/L	7.4	µg/L	56%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/10/19	Copper	7.4	µg/L	3.5	µg/L	53%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/11/19	Copper	4.2	µg/L	2	µg/L	52%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/19/19	Copper	12	µg/L	2.3	µg/L	81%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/24/19	Copper	9.4	µg/L	5.6	µg/L	40%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/7/19	Copper	11	µg/L	2.8	µg/L	75%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/27/19	Copper	12	µg/L	10	µg/L	17%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
3/22/18	Iron	96.9	µg/L	ND	µg/L	100%	1 CY	0.3"	Shingle Roof Manufacturer / Primarily Roof Runoff / <i>Passive</i>
3/26/19	Iron	4200	µg/L	1800	µg/L	57%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/3/19	Iron	1500	µg/L	1300	µg/L	13%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/5/19	Iron	2900	µg/L	1500	µg/L	48%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/10/19	Iron	2000	µg/L	1100	µg/L	45%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/11/19	Iron	680	µg/L	200	µg/L	71%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/19/19	Iron	3000	µg/L	320	µg/L	89%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/24/19	Iron	2200	µg/L	1100	µg/L	50%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/7/19	Iron	3800	µg/L	610	µg/L	84%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/27/19	Iron	2900	µg/L	1200	µg/L	59%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
3/26/19	Motor Oil	4.8	mg/L	1.4	mg/L	71%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/3/19	Motor Oil	6.7	mg/L	1.6	mg/L	76%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/5/19	Motor Oil	4.9	mg/L	1.6	mg/L	67%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/10/19	Motor Oil	1.4	mg/L	0.49	mg/L	65%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/11/19	Motor Oil	1.6	mg/L	0.37	mg/L	77%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/19/19	Motor Oil	4.2	mg/L	0.72	mg/L	83%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/24/19	Motor Oil	2.1	mg/L	0.91	mg/L	57%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/7/19	Motor Oil	4	mg/L	0.36	mg/L	91%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/27/19	Motor Oil	6.3	mg/L	1.1	mg/L	83%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
3/26/19	Turbidity	80	NTU	42	NTU	48%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/5/19	Turbidity	64.3	NTU	39.7	NTU	38%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/10/19	Turbidity	41.5	NTU	13.5	NTU	67%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/11/19	Turbidity	30.5	NTU	10.5	NTU	66%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/19/19	Turbidity	71.7	NTU	19.2	NTU	73%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/24/19	Turbidity	44.9	NTU	27.4	NTU	39%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/7/19	Turbidity	41.6	NTU	3.06	NTU	93%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/27/19	Turbidity	27.3	NTU	19.24	NTU	30%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
3/22/18	Zinc	29.5	µg/L	ND	µg/L	100%	1 CY	0.3"	Shingle Roof Manufacturer / Primarily Roof Runoff / <i>Passive</i>
3/26/19	Zinc	270	µg/L	98	µg/L	64%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/3/19	Zinc	190	µg/L	98	µg/L	48%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/5/19	Zinc	180	µg/L	97	µg/L	46%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/10/19	Zinc	110	µg/L	76	µg/L	31%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/11/19	Zinc	100	µg/L	28	µg/L	72%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/19/19	Zinc	210	µg/L	68	µg/L	68%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
4/24/19	Zinc	160	µg/L	130	µg/L	19%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/7/19	Zinc	230	µg/L	64	µg/L	72%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>
6/27/19	Zinc	410	µg/L	81	µg/L	80%	1 CY		Transportation Yard / Road Surface Runoff / <i>Passive</i>

StormwaterBIOCHAR.com
Biochar for stormwater treatment since 2010

StormwaterBIOCHAR.com
BIOCHAR.com
STORMWATER TREATMENT

MEDIAS:

BiocharBASIC™
Stormwater Treatment Filtration Media

BiocharPEAT™
Stormwater Treatment Filtration Media

SYSTEMS:

Pure Rain™
STORMWATER TREATMENT

FILTER SOCKS

STORMWATER TREATMENT

CATCH BASIN INSERTS

Pure Rain™
STORMWATER TREATMENT
FILTRATION SYSTEMS

StormwaterBIOCHAR LLC

PHONE

(503) 789-6760

EMAIL

info@StormwaterBIOCHAR.com

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