



# GEORGETOWN SAND & GRAVEL

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January 1, 2023

PennDOT Ref. #: GSGWA14  
Material Type: Type A Sand

To Whom It May Concern:

This letter is to verify that the Thaddus Carr dredge, located on the Ohio River, produces the material provided for your use. The above referenced material meets the requirements of PennDOT Publication 408, Section 703 for Type A aggregate and ASTM C33 for concrete aggregates.

Sincerely,

Caleb T. Bryan

David T. Giehll

# Quality Test Report

BMG Research & Development Center

3507 Neville Road, Pittsburgh PA 15225



**Plant** Thaddus Carr River Dredge  
**Product** Type A Sand  
**Source** Thaddus Carr River Dredge - GSGWVA14  
**Specification** PennDOT 408 Section 703 // ASTM C-33

## Sample Information

<b>Sample No</b>	Average	<b>Weather</b>	-
<b>Start Date</b>	4/25/2022	<b>Temp</b>	-
<b>Finish Date</b>	12/27/2022	<b>Split Sample</b>	<input type="checkbox"/>
<b>Sampled By</b>	Greg Sico	<b>Resample</b>	<input type="checkbox"/>
<b>Tested By</b>	David Giehl	<b>Lot/Sublot</b>	-
<b>Type</b>	Production Sample	<b>Quantity</b>	50 lbs
<b>Method</b>	Barge Stockpile		

## Gradation Results

<b>Units</b>	<b>Moist Mass</b>	<b>Dry Mass</b>	<b>Moisture %</b>	<b>Wash ST</b>	<b>Wash End</b>	<b>Wash Loss %</b>
grams	527.60	519.60	1.54	519.60	513.26	1.22

Sieve	Mass Retained	Cum Mass Retained	Ind % Retained	% Retained	% Passing	Target	Specification %
3/8"	0.00	0.00	0.0	0.0	100.0	100	100 100
#4	5.20	5.20	1.0	1.0	99.0	97.5	95 100
#8	83.14	88.33	16.0	17.0	83.0	85	70 100
#16	88.33	176.66	17.0	34.0	66.0	65	45 85
#30	88.33	265.00	17.0	51.0	49.0	45	25 65
#50	161.08	426.07	31.0	82.0	18.0	20	10 30
#100	72.74	498.82	14.0	96.0	4.0	5	0 10
#200	15.59	514.40	3.0	99.0	1.0	1.5	0 3

## Other Test Results

Test Name	Date	Result	Unit	Target	Specification %
Wash Loss (#200)	AVG	1.22	%	1.5	0 3
Fineness Modulous	AVG	2.82	-	2.725	2.30 3.15

