

## **APPENDIX 'D'**

### **Bedrock Aggregate Site Data**

## Bedrock Aggregate Site Data

(Today: 6/18/2018)

<b>Sample:</b>	BR-B10-27-89	<b>Group:</b>	FUNDY	<b>Zone:</b>	PASSAMAQUODDY
<b>Date:</b>	1989	<b>Formation:</b>	NORTH MOUNTAIN BASALT	<b>Rock Unit:</b>	JNMmi
<b>NTS:</b>	21 B/10	<b>Intrusive:</b>	NORTH MOUNTAIN BASALT	<b>Age:</b>	LATE TRIASSIC TO EARLY JURASSIC
<b>County:</b>	Charlotte	<b>Rock Type:</b>	DIABASE (BASALT)	<b>Rock Class:</b>	MAFIC INTRUSIVE
<b>Latitude:</b>	44 41 52	<b>Reference(s):</b>			
<b>Longitude:</b>	-66 46 57	<b>Map Plates (s):</b>	98-51; 2000-29		
<b>UTM Zone:</b>	19				
<b>Northing:</b>	4951770				
<b>Easting:</b>	675690				
<b>Sampled by:</b> NBDNRE			<b>Tested by:</b> NBDOT		
<b>LA Abrasion %:</b> 13.5			<b>Micro Deval %:</b>		
<b>Bulk Relative Density (dry):</b> 2.915			<b>Bulk Relative Density (ssd):</b> 2.952		
<b>Apparent Relative Density (dry):</b> 3.027			<b>Unconfined Freeze Thaw:</b>		
<b>Absorption %:</b> 1.27			<b>Flat and Elongated Particles:</b>		
<b>Soundness Loss (sodium sulphate/magnesium sulphate):</b> 1.67					
<b>Alkali Aggregate Reactivity (Accelerated Mortar Bar Test)</b> % Expansion after 14 days / 28 days:					
<b>Size Analysis (Summary)</b>					
<b>% Gravel (&gt;4.75mm/0.19inches)</b>		<b>% Sand (&gt;75µm to 4.75mm/0.19inches)</b>		<b>% Fines (&lt;75µm)</b>	
78.2		17.9		3.9	
<b>General Size Analysis A</b>		<b>General Size Analysis B</b>		<b>Size Analysis for Concrete Aggregate (coarse)</b>	
<b>Sieve Size (mm/inches)</b>	<b>% Passing</b>	<b>Sieve Size (mm)</b>	<b>% Passing</b>	<b>Sieve Size (mm/inches)</b>	<b>% Retained</b>
100.0 / 3.9:	100	28:		100.0 / 3.9:	0
75.0 / 3.0:	100	20:		75.0 / 3.0:	0
37.5 / 1.5:	100	14:		37.5 / 1.5:	0
31.5 / 1.2:	100	10:		31.5 / 1.2:	0
25.0 / 1.0:	100	5:		25.0 / 1.0:	0

<b>19.0 / 0.75:</b>	100	<b>2.5:</b>		<b>19.0 / 0.75:</b>	0
<b>12.5 / 0.5:</b>	48.4	<b>1.25:</b>		<b>12.5 / 0.5:</b>	66
<b>9.5 / 0.375:</b>	34.2	<b>0.630:</b>		<b>9.5 / 0.375:</b>	18.2
<b>6.3 / 0.25:</b>	25.8	<b>0.315:</b>		<b>6.3 / 0.25:</b>	10.7
<b>4.75 / 0.19:</b>	21.8	<b>0.160:</b>		<b>4.75 / 0.19:</b>	5.1
<b>2.36 / 0.09:</b>	15.5	<b>0.080:</b>			
<b>1.18 / 0.05:</b>	12				
<b>600 um:</b>	9.7				
<b>300 um:</b>	7.6				
<b>150 um:</b>	5.8				
<b>75 um:</b>	3.9				
Close Window					