

**WEATHERING QUALITY OF COARSE AGGREGATE
TEST REPORT**



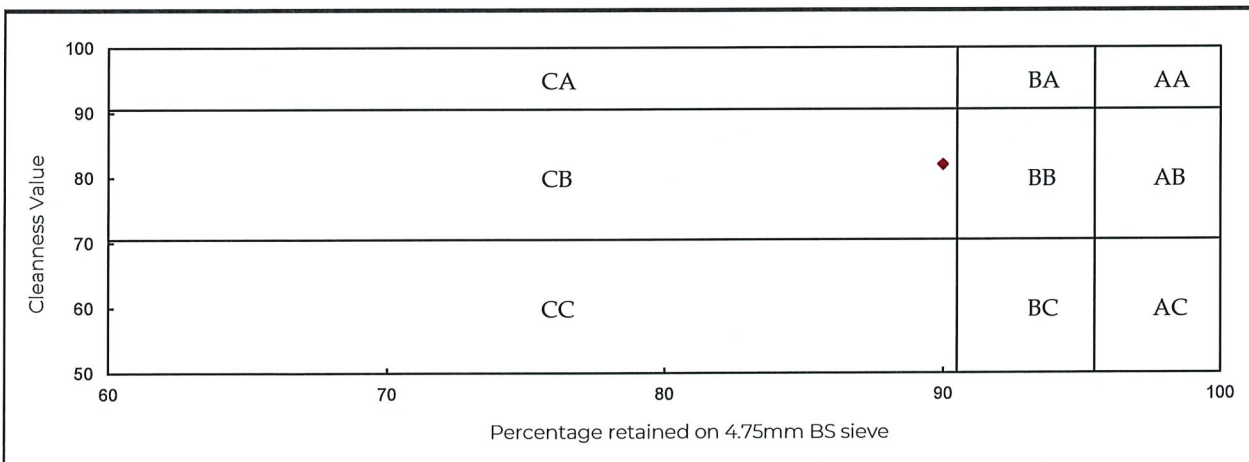
Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills Section
 Client : NZTA C/- Aurecon & WSP NZ Ltd.
 Contractor : N/A
 Sampled by : NC Site Team
 Date sampled : 29/08/25
 Sampling method : SPT
 Sample description : Core
 Sample condition : As Received
 Source : BH2B_1109 (31.50-34.50m)

Project No : 1-C2466.16
 Lab Ref No : WL4708/104-WQI
 Client Ref No : -

Test Results

Percentage Retained on 4.75mm BS Sieve After 10 Cycles : 90
 Cleanness Value After 10 Cycles : 82
 Weathering Quality Index (see table below) : CB

Cleanness Value	Percentage Retained on 4.75mm Sieve			Specified
	96 - 100	91 - 95	up to 90	
91 - 100	AA	BA	CA	-
71 - 90	AB	BB	CB	-
up to 70	AC	BC	CC	-



Test Method	Notes
Weathering Quality Index, NZS 4407:2015, Test 3.11	♦ Is graphed value of Weathering Quality Index. All information supplied by Client

Date tested : 03/02/26
 Date reported : 3/02/26

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.
 This report may only be reproduced in full

Approved Signatory

Steve McCone

Designation : Laboratory Manager

Date : 3/02/26



Test results indicated as not accredited are outside the scope of the laboratory's accreditation

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TEST REPORT



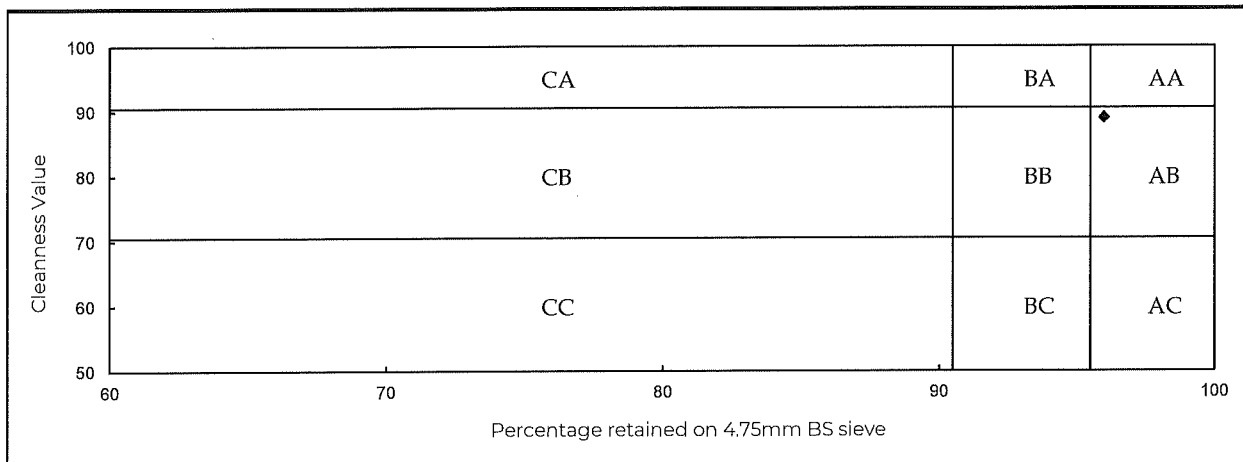
Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills section: A new route close to SH1
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Contractor : -
 Sampled by : NC Site Team
 Date sampled : 26/09/26
 Sampling method : SPT
 Sampling description : Refer to BH2B_1111 log report
 Sample condition : Natural; as received
 Source : BH2B_1111 (42.00-48.00m)

Project No : 1-C2466.16
 Lab Ref No : WL4708/40_WQI
 Client Ref No : -

Test Results

Percentage Retained on 4.75mm BS Sieve After 10 Cycles : 96
 Cleanness Value After 10 Cycles : 89
 Weathering Quality Index (see table below) : AB

Cleanness Value	Percentage Retained on 4.75mm Sieve			Specified
	96 - 100	91 - 95	up to 90	
91 - 100	AA	BA	CA	-
71 - 90	AB	BB	CB	-
up to 70	AC	BC	CC	-



Test Method	Notes
Weathering Quality Index, NZS 4407:2015, Test 3.11	♦ Is graphed value of Weathering Quality Index.

Date tested : 24/12-05/01/25
 Date reported : 9/01/26

Sampling is not covered by IANZ Accreditation. Results apply only to sample tested.
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Approved Signatory

Designation : Laboratory Manager
 Date : 12/01/26



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TEST REPORT**



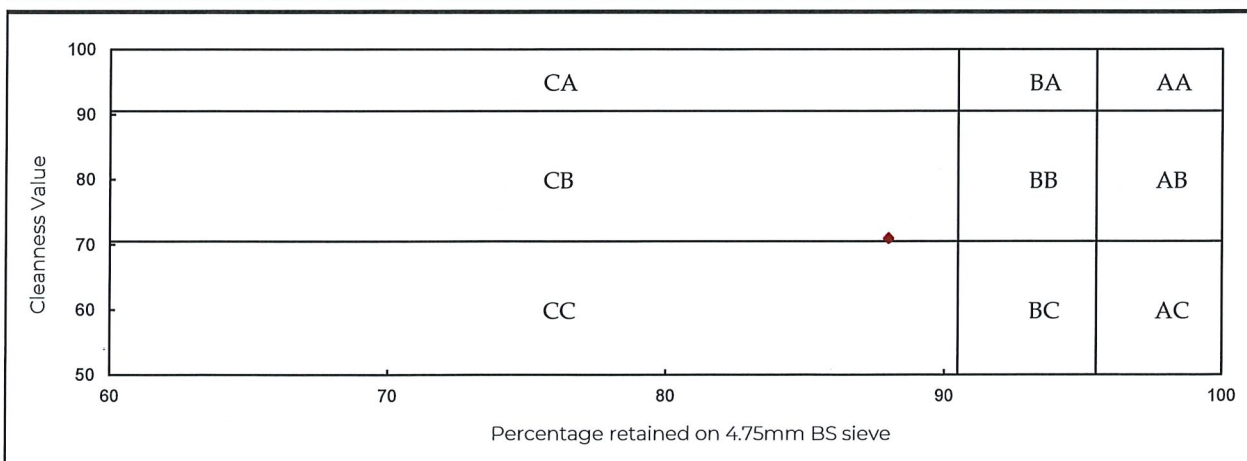
Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills Section
 Client : NZTA C/- Aurecon & WSP NZ Ltd.
 Contractor : N/A
 Sampled by : NC Site Team
 Date sampled : 29/08/25
 Sampling method : SPT
 Sample description : Core
 Sample condition : As Received
 Source : BH28_1144_(26.50-31.20m)

Project No : 1-C2466.16
 Lab Ref No : WL4708/84-WQI
 Client Ref No : -

Test Results

Percentage Retained on 4.75mm BS Sieve After 10 Cycles : 88
 Cleanness Value After 10 Cycles : 71
 Weathering Quality Index (see table below) : CB

Cleanness Value	Percentage Retained on 4.75mm Sieve			Specified
	96 - 100	91 - 95	up to 90	
91 - 100	AA	BA	CA	-
71 - 90	AB	BB	CB	-
up to 70	AC	BC	CC	-



Test Method	Notes
Weathering Quality Index, NZS 4407:2015, Test 3.11	◆ Is graphed value of Weathering Quality Index. All information supplied by Client

Date tested : 03/02/26
 Date reported : 3/02/26

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Approved Signatory 
 Designation : Laboratory Manager
 Date : 3/02/26



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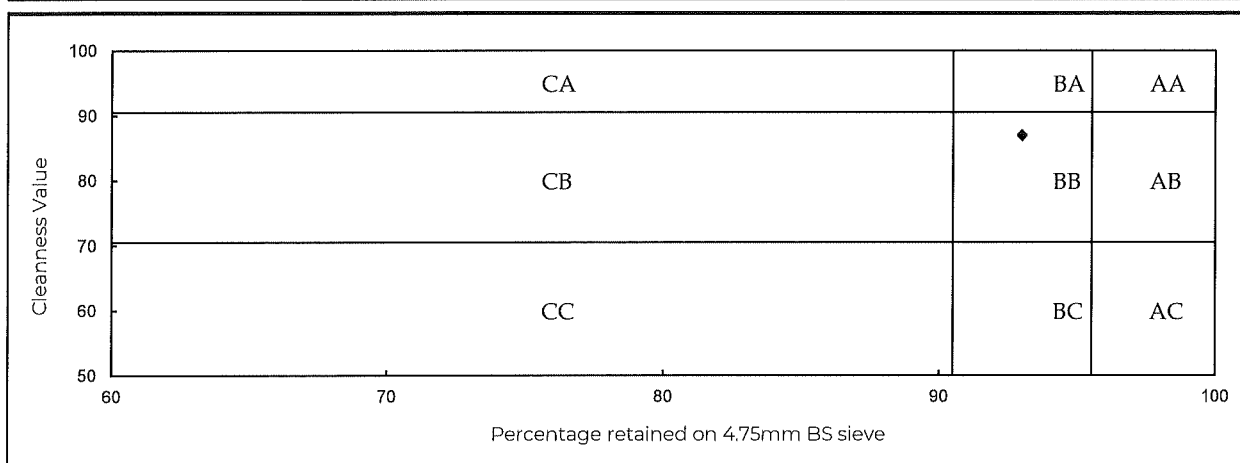
Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills section: A new route close to SH1
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Contractor : -
 Sampled by : NC Site Team
 Date sampled : 29/08/26
 Sampling method : SPT
 Sampling description : Refer to BH2B_1144 log report
 Sample condition : Natural; as received
 Source : BH2B_1144 (41.10-46.50m)

Project No : 1-C2466.16
 Lab Ref No : WL4708/85_WQI
 Client Ref No : -

Test Results

Percentage Retained on 4.75mm BS Sieve After 10 Cycles : 93
 Cleanness Value After 10 Cycles : 87
 Weathering Quality Index (see table below) : BB

Cleanness Value	Percentage Retained on 4.75mm Sieve			Specified
	96 - 100	91 - 95	up to 90	
91 - 100	AA	BA	CA	-
71 - 90	AB	BB	CB	-
up to 70	AC	BC	CC	-



Test Method	Notes
Weathering Quality Index, NZS 4407:2015, Test 3.11	♦ Is graphed value of Weathering Quality Index.

Date tested : 24/12-05/01/25
 Date reported : 9/01/26

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Designation : Laboratory Manager
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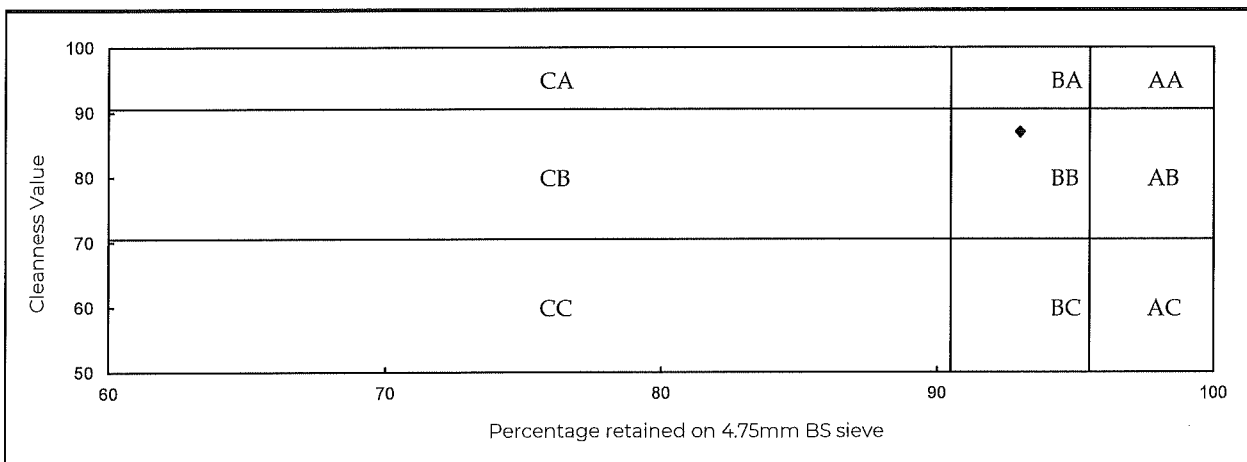
Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills section: A new route close to SH1
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Contractor : -
 Sampled by : NC Site Team
 Date sampled : 29/08/26
 Sampling method : SPT
 Sampling description : Refer to BH2B_1144 log report
 Sample condition : Natural; as received
 Source : BH2B_1144 (48.20-50.55m)

Project No : 1-C2466.16
 Lab Ref No : WL4708/86_WQI
 Client Ref No : -

Test Results

Percentage Retained on 4.75mm BS Sieve After 10 Cycles : 93
 Cleanness Value After 10 Cycles : 87
 Weathering Quality Index (see table below) : BB

Cleanness Value	Percentage Retained on 4.75mm Sieve			Specified
	96 - 100	91 - 95	up to 90	
91 - 100	AA	BA	CA	-
71 - 90	AB	BB	CB	-
up to 70	AC	BC	CC	-



Test Method	Notes
Weathering Quality Index, NZS 4407:2015, Test 3.11	♦ Is graphed value of Weathering Quality Index.

Date tested : 24/12-05/01/25
 Date reported : 9/01/26

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Designation : Laboratory Manager
 Date : 12/01/26



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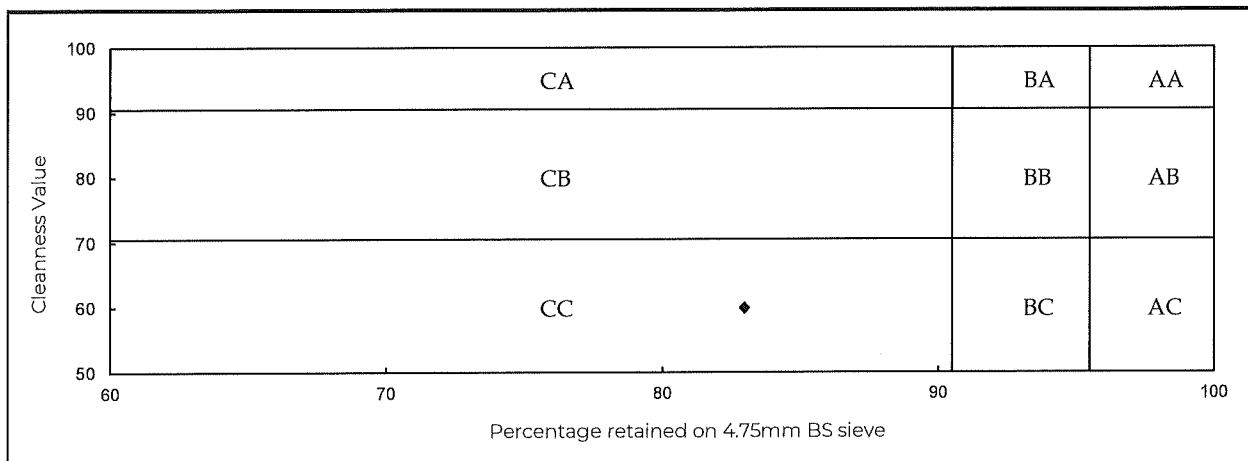
Project : Ground Investigation for Northland Corridor
 Location : Alternative to Brynderwyn Hills section: A new route close to SH1
 Client : NZTA C/- Aurecon & WSP NZ Ltd
 Contractor : -
 Sampled by : NC Site Team
 Date sampled : 16/09/26
 Sampling method : SPT
 Sampling description : Refer to BH2B_1148 log report
 Sample condition : Natural; as received
 Source : BH2B_1148 (32.55-35.25m)

Project No : T-C2466.16
 Lab Ref No : WL4708/26_WQI
 Client Ref No : -

Test Results

Percentage Retained on 4.75mm BS Sieve After 10 Cycles : 83
 Cleanness Value After 10 Cycles : 60
 Weathering Quality Index (see table below) : CC

Cleanness Value	Percentage Retained on 4.75mm Sieve			Specified
	96 - 100	91 - 95	up to 90	
91 - 100	AA	BA	CA	-
71 - 90	AB	BB	CB	-
up to 70	AC	BC	CC	-



Test Method	Notes
Weathering Quality Index, NZS 4407:2015, Test 3.11	♦ Is graphed value of Weathering Quality Index.

Date tested : 21/10-03/11/25
 Date reported : 12/01/26

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Approved Signatory

Designation : Laboratory Manager
 Date : 12/01/26



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