



## **Appendix F Soil Lab Test Results**

## Micro-Deval Test Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

ASTM D 6928 - 03, CSA A23.2-23A

Test Date:	2-Dec-14	Report Number:	14GP0128 - 120112 - micro-deval
File Number:	14-GP-0128	Contractor:	
Client:	Canadian Zinc	Inspector:	M. Gervais
Project:	Prairie Creek Mine Access Rd., NWT	Sampled By/Date:	
Location:	N/A	Copy To:	

### TEST DETAILS

MATERIAL TYPE: See notes below.

SAMPLE METHOD:

TIME SAMPLED:

**Calibration Aggregate Percent Loss:**

Coarse Aggregate: N/A

Coarse Aggregate: N/A

	Coarse Aggregate Gradation							Fine Aggregate Gradation						
SIEVE SIZE (mm)	75.0	50.0	37.5	25.0	19.0	12.5	9.5	4.75	2.36	1.18	0.600	0.300	0.150	0.075
% PASSING RESULT														

### TEST RESULTS

#### COARSE AGGREGATE

Sample Number	S-7	S-5	S-8	S-15	S-4
Starting Mass (g)	1461.5	922.4	1451.4	2151.2	1442.5
Finishing Mass (g)	1332.0	662.7	1373.1	646.3	1243.3
Mass Lost (g)	129.5	259.7	78.3	1504.9	199.2
<b>Percentage Lost</b>	<b>8.9%</b>	<b>28.2%</b>	<b>5.4%</b>	<b>70.0%</b>	<b>13.8%</b>

#### COARSE AGGREGATE

Sample Number	S-1	C-18	S-2	S-6	
Starting Mass (g)	1456.5	1504.0	1503.9	1187.1	
Finishing Mass (g)	725.4	1392.2	1392.8	1145.8	
Mass Lost (g)	731.1	111.8	111.1	41.3	
<b>Percentage Lost</b>	<b>50.2%</b>	<b>7.4%</b>	<b>7.4%</b>	<b>3.5%</b>	

### COMMENTS

Material for each sample were brought in as one mass, that needed to be broken down into smaller aggregate by mechanical means. Sample number listed above is referenced to the label on the sample bag.

Test was done to determine durability of the aggregate brought in.

**Reviewed By:**

**S. George, Lab Manager**

S. George, Lab Manager

## Sieve Analysis Report

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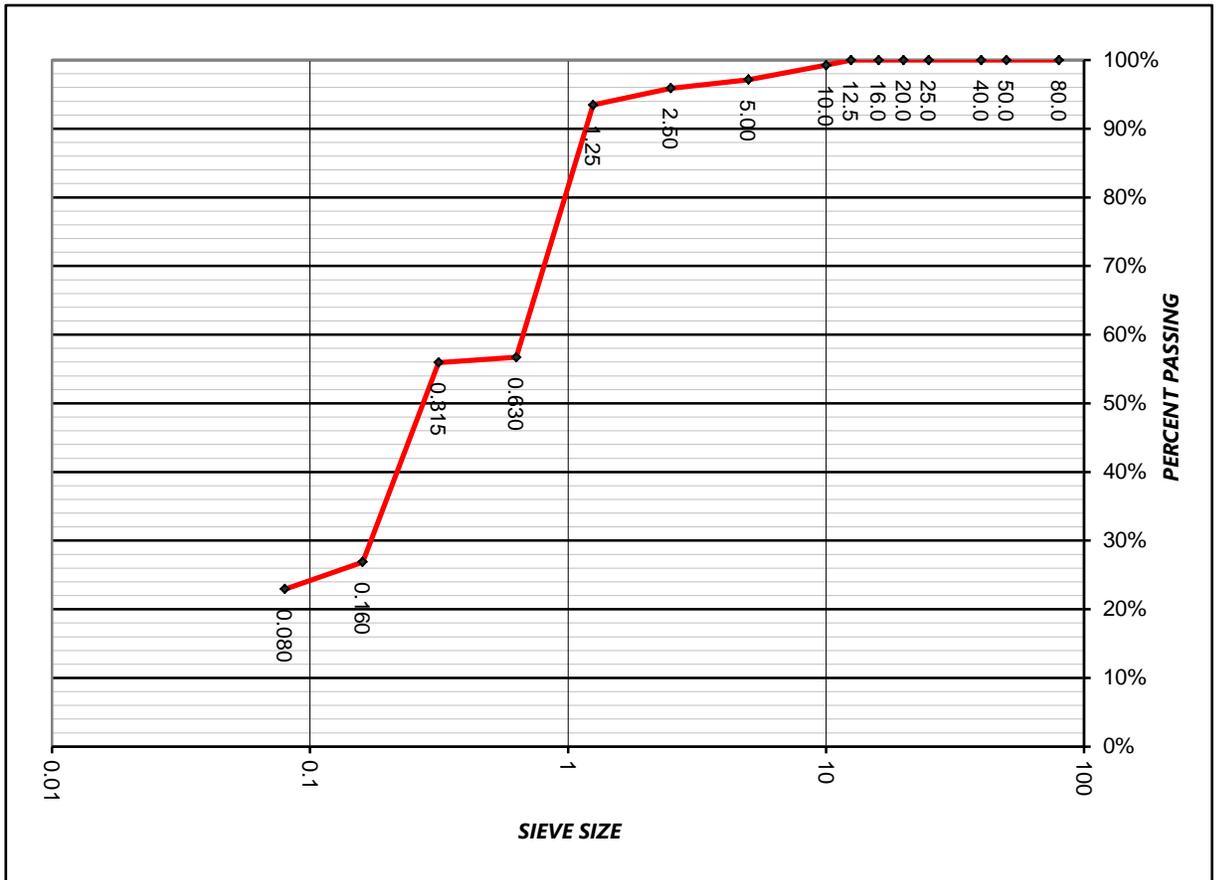
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 1
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd, NWT	Sample Date:
Location: KP 94, Z10 463662, 6814092	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>99.2</b>	<b>97.2</b>	<b>95.9</b>	<b>93.5</b>	<b>56.7</b>	<b>55.9</b>	<b>26.9</b>	<b>22.9</b>						

MATERIAL TYPE	
light brown sand	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
4.4%	
GRADATIONS	
GRAVEL	2.8%
SAND	74.2%
SILT/CLAY	22.9%



### COMMENTS

	<b>Reviewed By:</b>
Sample bag had no label. Dropped off by Brian Mitchell.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

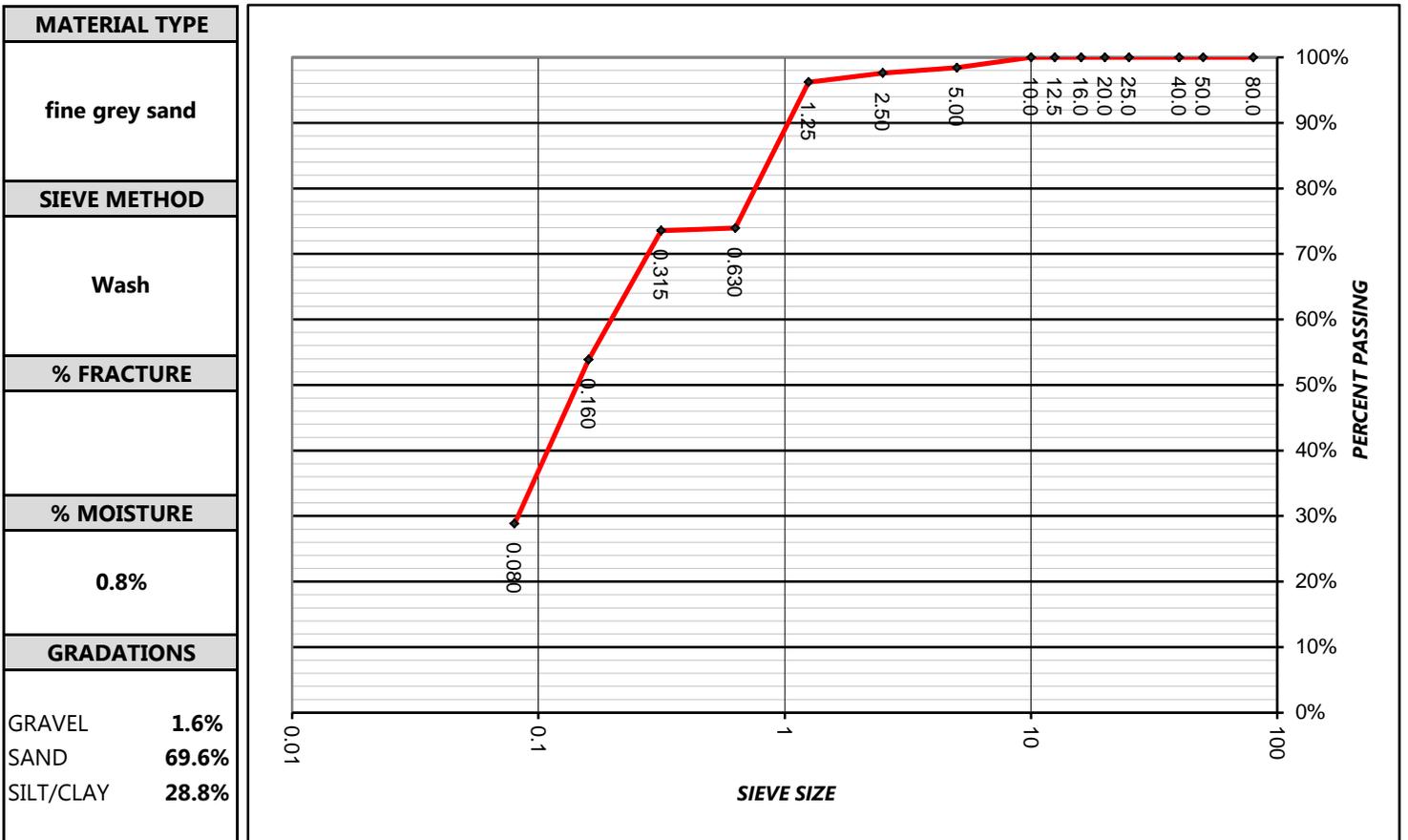
2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 2
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B.
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 18th
Location: KP 86, Z10, 459531 /6813089	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>98.4</b>	<b>97.6</b>	<b>96.2</b>	<b>74.0</b>	<b>73.6</b>	<b>53.9</b>	<b>28.8</b>							



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

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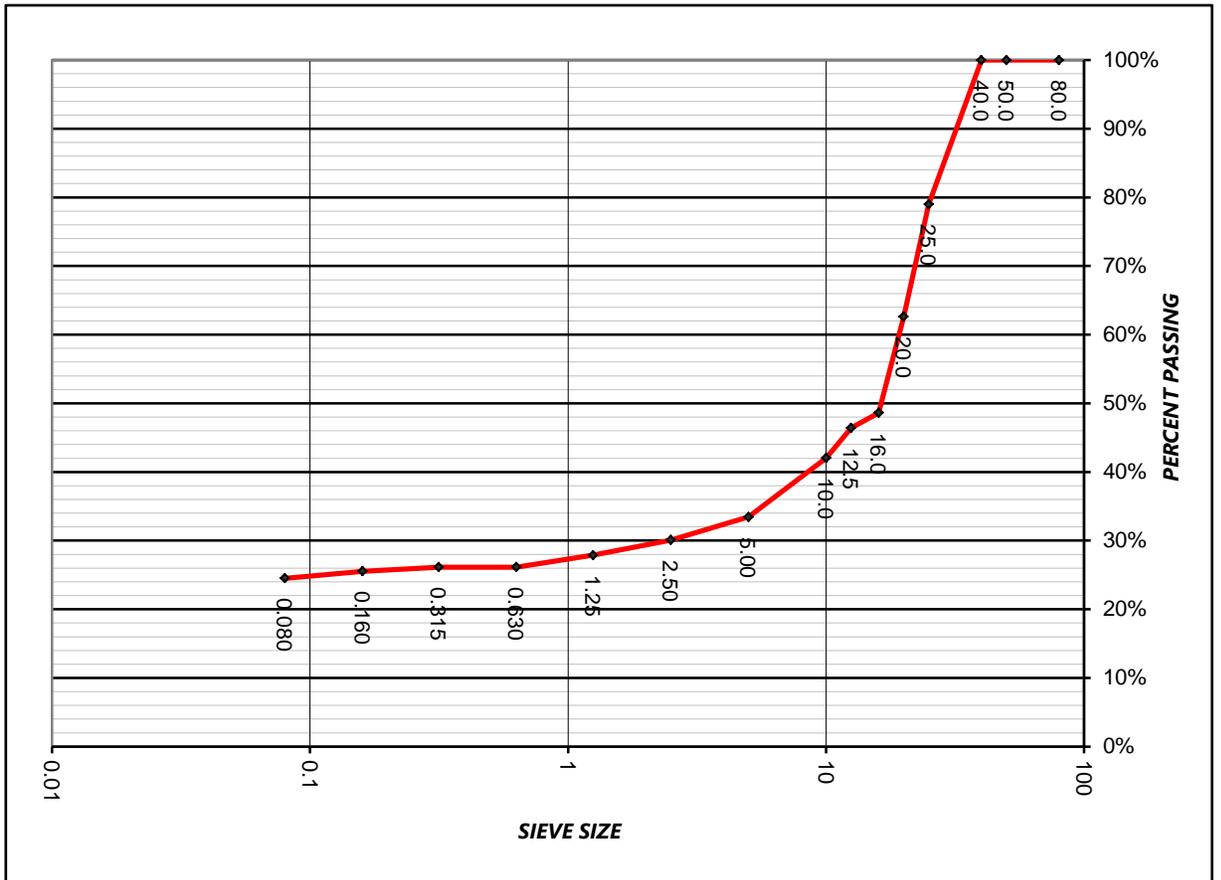
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 3
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim / Allnorth
Project: Prairie Creek Mine Access Rd, NWT	Sample Date: 20-Sep-04
Location: KP 101, Z 10, 467553, 6812015	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>79.0</b>	<b>62.6</b>	<b>48.6</b>	<b>46.4</b>	<b>42.0</b>	<b>33.4</b>	<b>30.1</b>	<b>27.9</b>	<b>26.1</b>	<b>26.1</b>	<b>25.5</b>	<b>24.5</b>

MATERIAL TYPE	
dark brown "mudstone"	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
5.8%	
GRADATIONS	
GRAVEL	66.6%
SAND	8.9%
SILT/CLAY	24.5%



### COMMENTS

	<b>Reviewed By:</b>
Approximate location of sample.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

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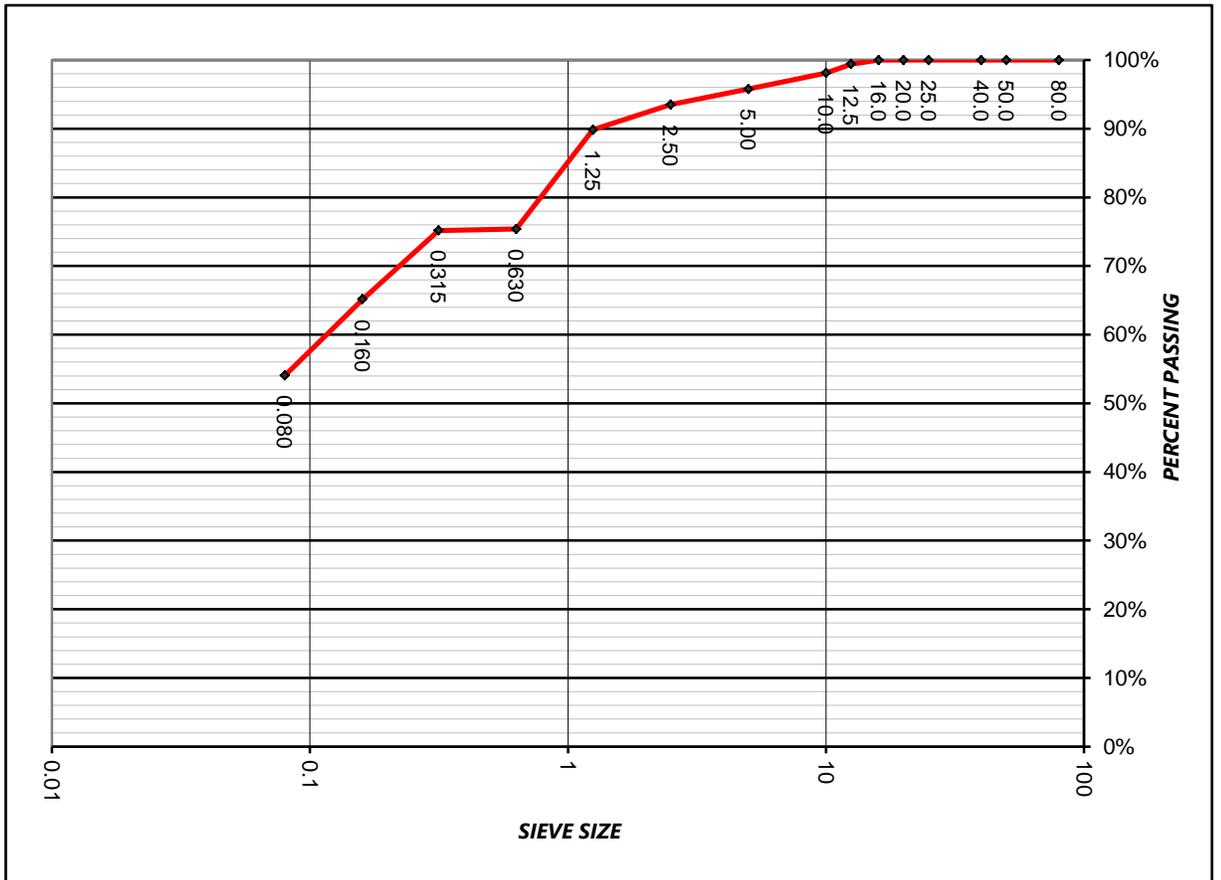
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 4
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim / Wilbert
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 26th, 2014
Location: Kp131km Z10, 481958, 6795073	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>99.4</b>	<b>98.1</b>	<b>95.8</b>	<b>93.5</b>	<b>89.9</b>	<b>75.4</b>	<b>75.2</b>	<b>65.2</b>	<b>54.1</b>

MATERIAL TYPE	
brown wet clay	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
13.6%	
GRADATIONS	
GRAVEL	4.2%
SAND	41.7%
SILT/CLAY	54.1%



### COMMENTS

	<b>Reviewed By:</b>
Approximate location of sample.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

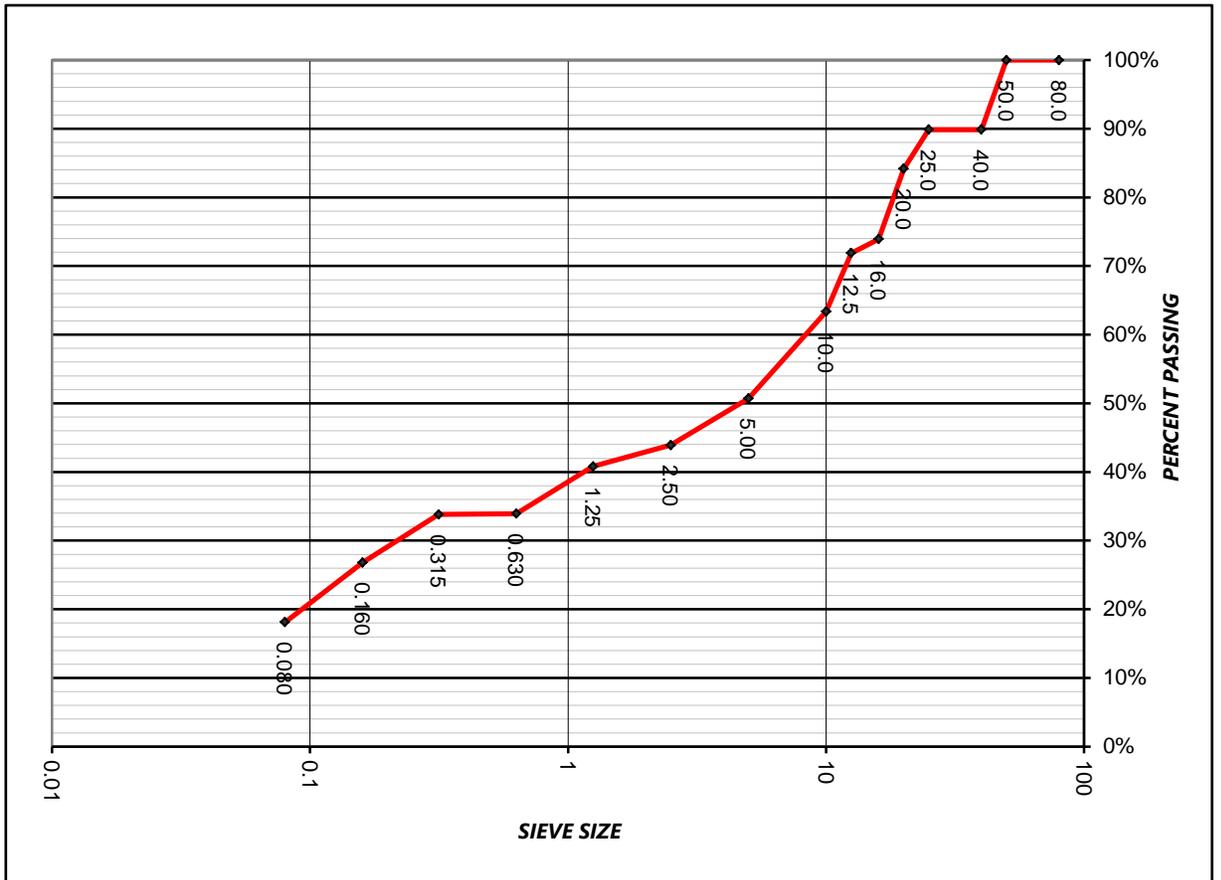
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 5
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B. / Wilbert A.
Project: Prairie Creek Access Rd. NWT	Sample Date: 26-Sep-14
Location: KP129, Z 10, 481711, 6796967	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>89.9</b>	<b>89.9</b>	<b>84.2</b>	<b>73.9</b>	<b>71.9</b>	<b>63.3</b>	<b>50.7</b>	<b>43.9</b>	<b>40.8</b>	<b>33.9</b>	<b>33.8</b>	<b>26.8</b>	<b>18.1</b>

MATERIAL TYPE	
brown sandy clay with some aggregate	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
5.7%	
GRADATIONS	
GRAVEL	49.3%
SAND	32.6%
SILT/CLAY	18.1%



### COMMENTS

	<b>Reviewed By:</b>
Approximate location of sample.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

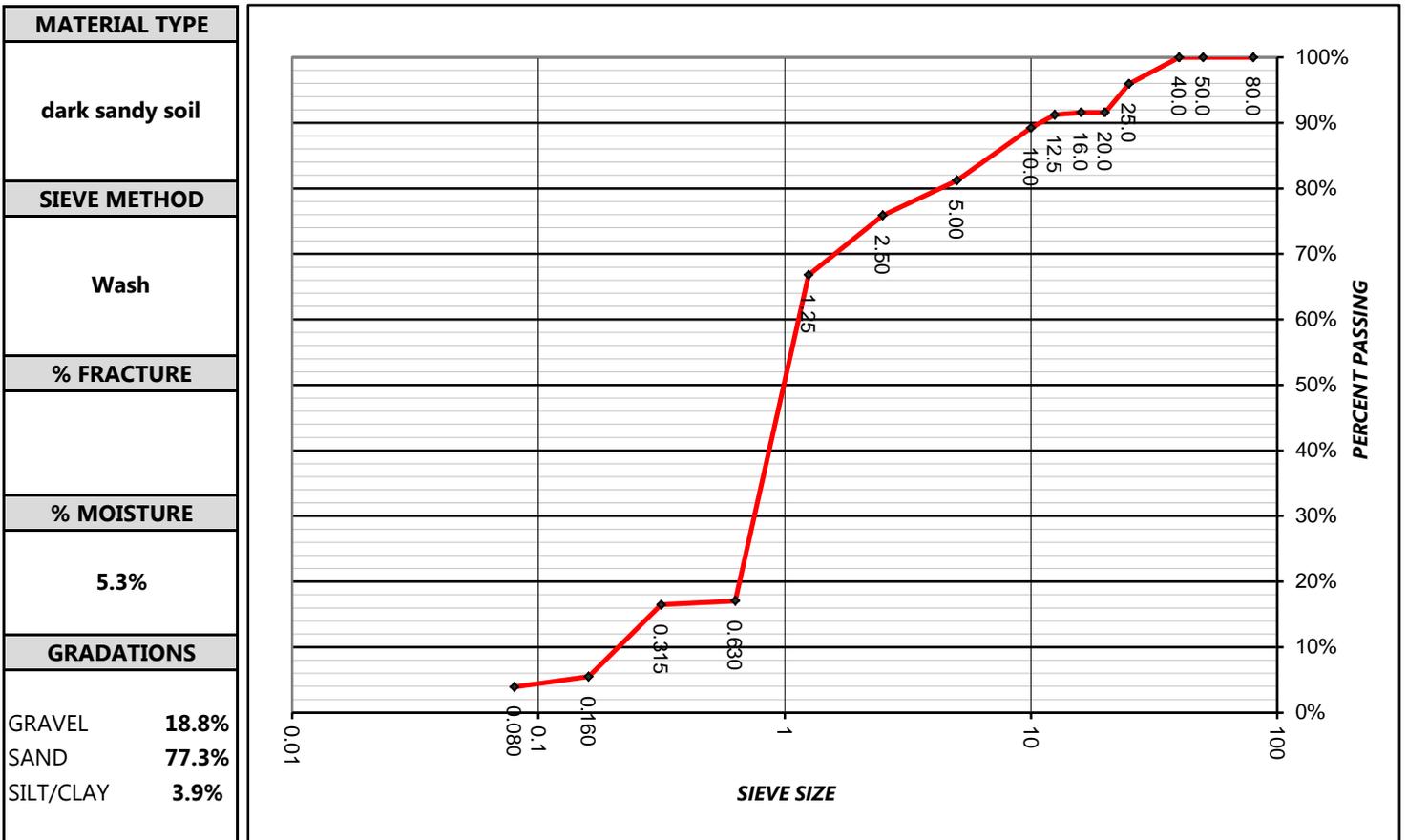
2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 6
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B. / Wilbert A.
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 26th, 2014
Location: KP 127 , Z 10 480846, 6798215	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>95.9</b>	<b>91.6</b>	<b>91.6</b>	<b>91.2</b>	<b>89.2</b>	<b>81.2</b>	<b>75.9</b>	<b>66.8</b>	<b>17.1</b>	<b>16.5</b>	<b>5.5</b>	<b>3.9</b>



### COMMENTS

	<b>Reviewed By:</b>
Approximate location of sample.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

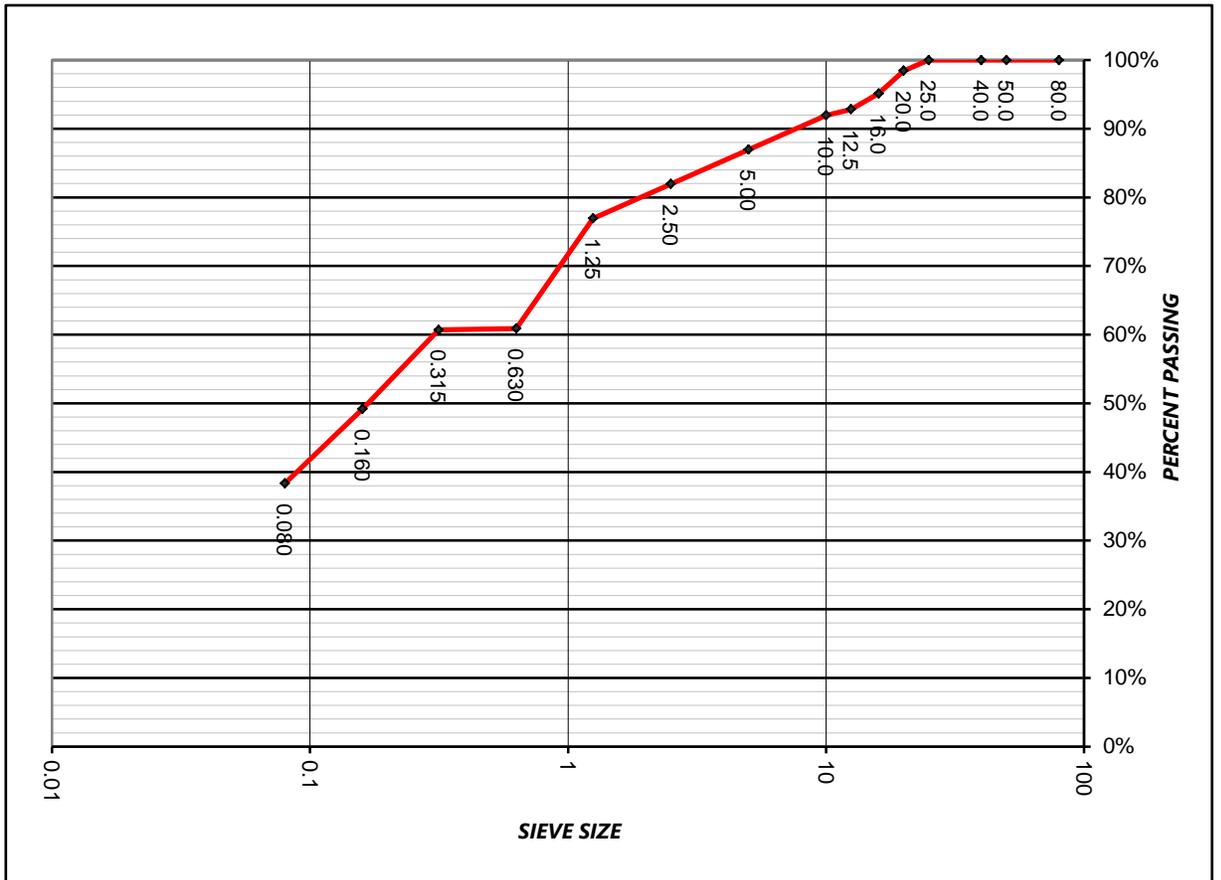
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 7
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B. / Wilbert A.
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept. 25th, 2014
Location: KP142.5, Z 10, 486683, 6786342	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>98.4</b>	<b>95.1</b>	<b>92.8</b>	<b>92.0</b>	<b>86.9</b>	<b>81.9</b>	<b>76.9</b>	<b>60.9</b>	<b>60.7</b>	<b>49.2</b>	<b>38.4</b>

MATERIAL TYPE	
dark brown sandy gravel	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
13.3%	
GRADATIONS	
GRAVEL	13.1%
SAND	48.6%
SILT/CLAY	38.4%



### COMMENTS

	<b>Reviewed By:</b>
Approximate location of sample.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

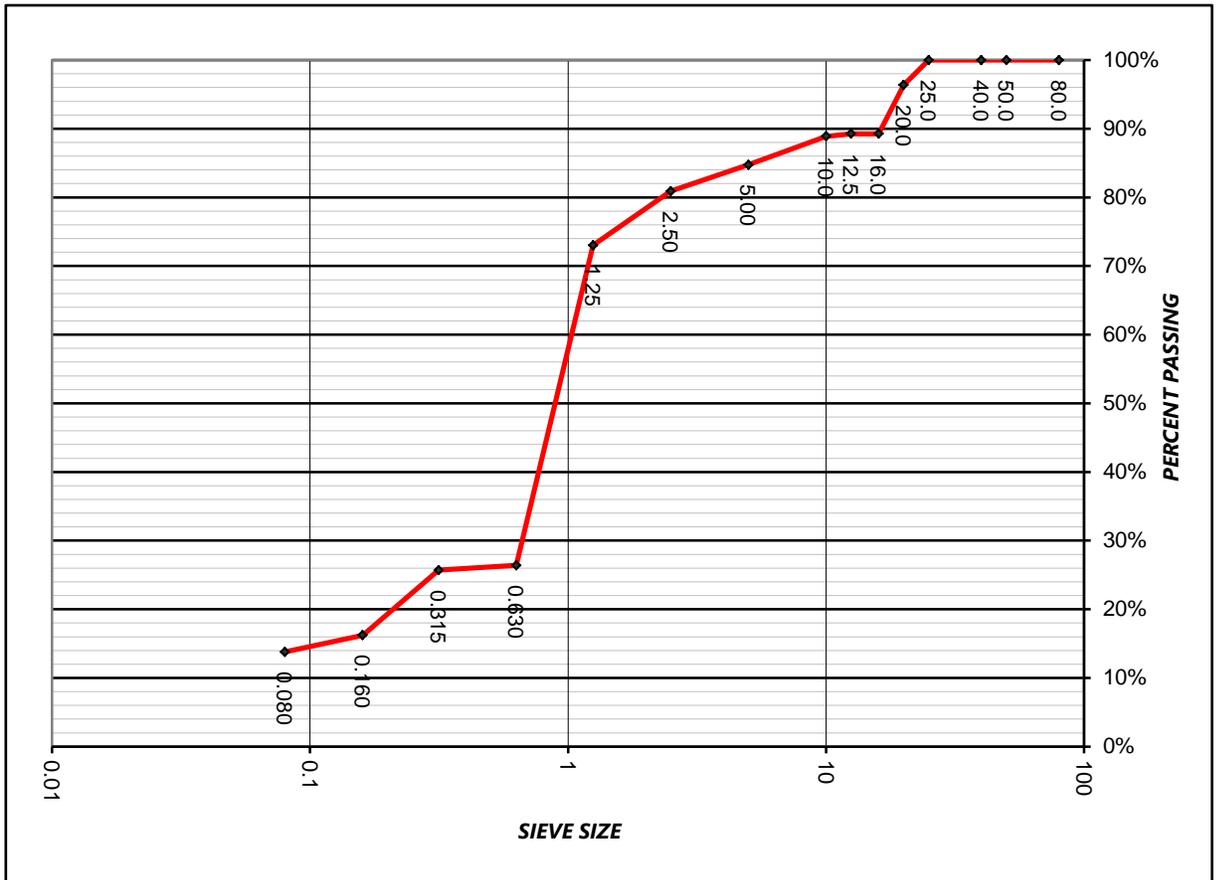
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 8
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B. / Wilbert A.
Project: Prairie Creek Mine Access Rd. NWT	Sample Date: Sept 27th, 2014
Location: KP 115, Z 10, 472929, 6798437	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>96.4</b>	<b>89.3</b>	<b>89.3</b>	<b>88.9</b>	<b>84.7</b>	<b>80.9</b>	<b>73.0</b>	<b>26.4</b>	<b>25.7</b>	<b>16.2</b>	<b>13.8</b>

MATERIAL TYPE	
light brown gravel	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
3.9%	
GRADATIONS	
GRAVEL	<b>15.3%</b>
SAND	<b>70.9%</b>
SILT/CLAY	<b>13.8%</b>



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

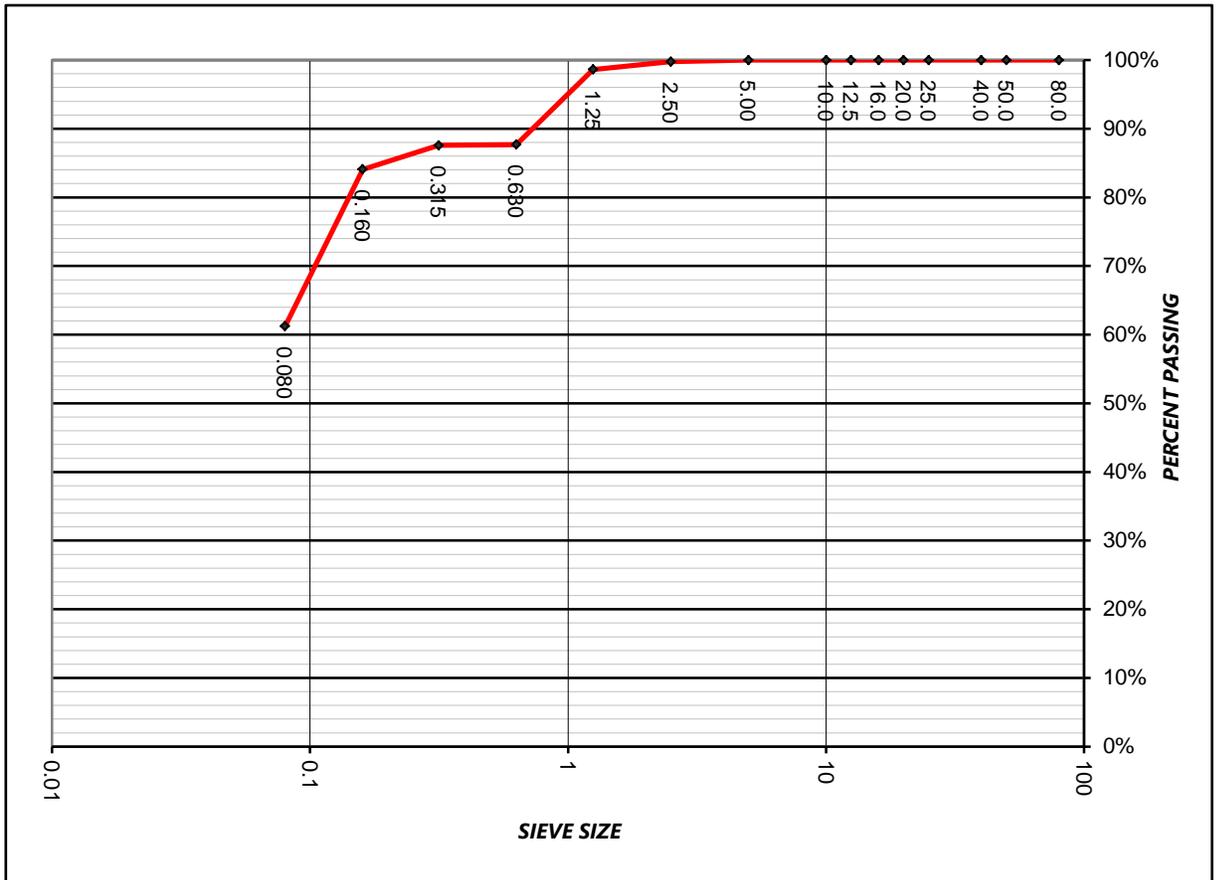
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 9
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B. / Wilbert A.
Project: Prairie Creek Mine Access Rd. NWT	Sample Date: Sept 27th, 2015
Location: KP-90.8,Z 10, 462079, 6815908	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080	
MAX % PASS SPEC																
MIN % PASS SPEC																
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>99.8</b>	<b>98.6</b>	<b>87.7</b>	<b>87.6</b>	<b>84.1</b>	<b>61.2</b>									

MATERIAL TYPE	
sandy brown gravel	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
14.3%	
GRADATIONS	
GRAVEL	<b>0.0%</b>
SAND	<b>38.8%</b>
SILT/CLAY	<b>61.2%</b>



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

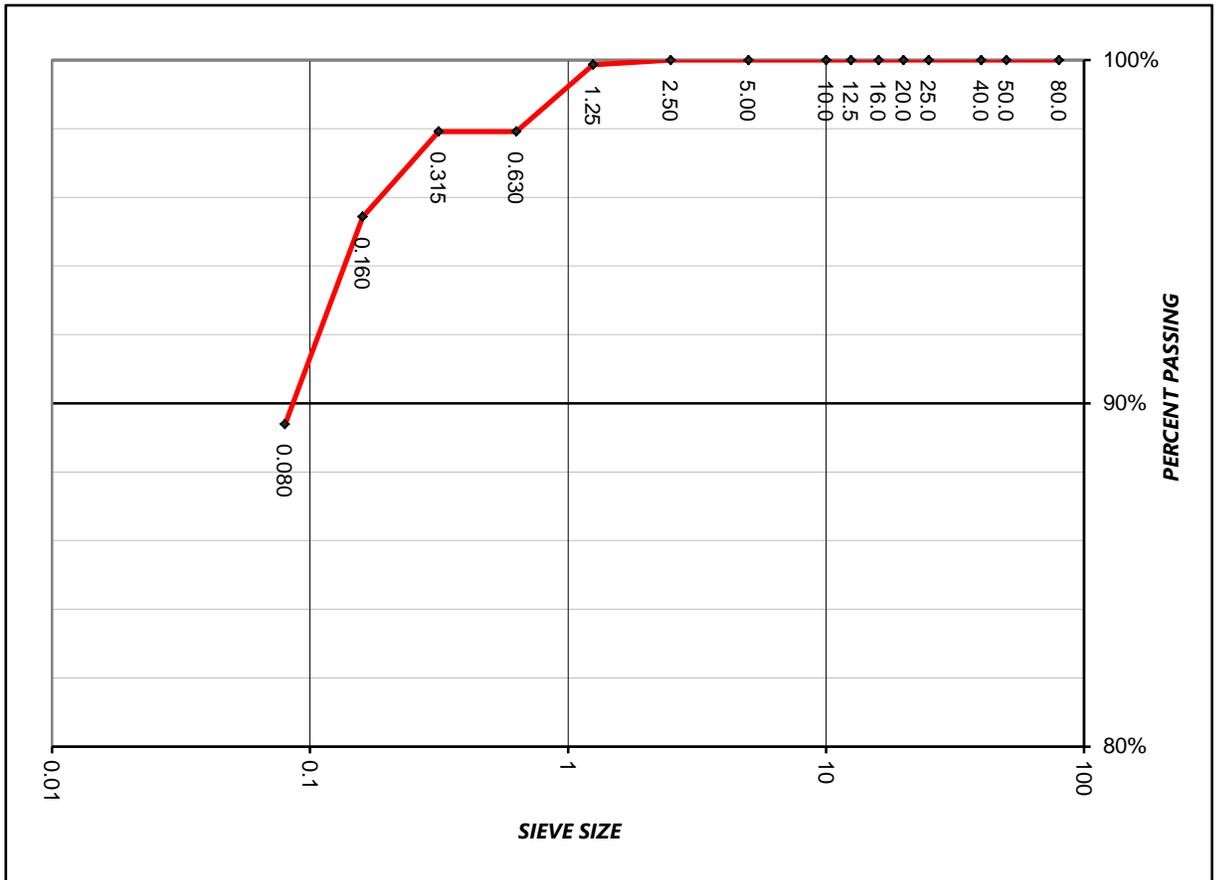
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 10
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Tim B. / Wilbert A.
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 27th, 2014
Location: KP 90.5, Z 10, 461918, 6815915	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080	
MAX % PASS SPEC																
MIN % PASS SPEC																
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>99.9</b>	<b>97.9</b>	<b>97.9</b>	<b>95.4</b>	<b>89.4</b>										

MATERIAL TYPE	
black sandy clay	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
30.2%	
GRADATIONS	
GRAVEL	<b>0.0%</b>
SAND	<b>10.6%</b>
SILT/CLAY	<b>89.4%</b>



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

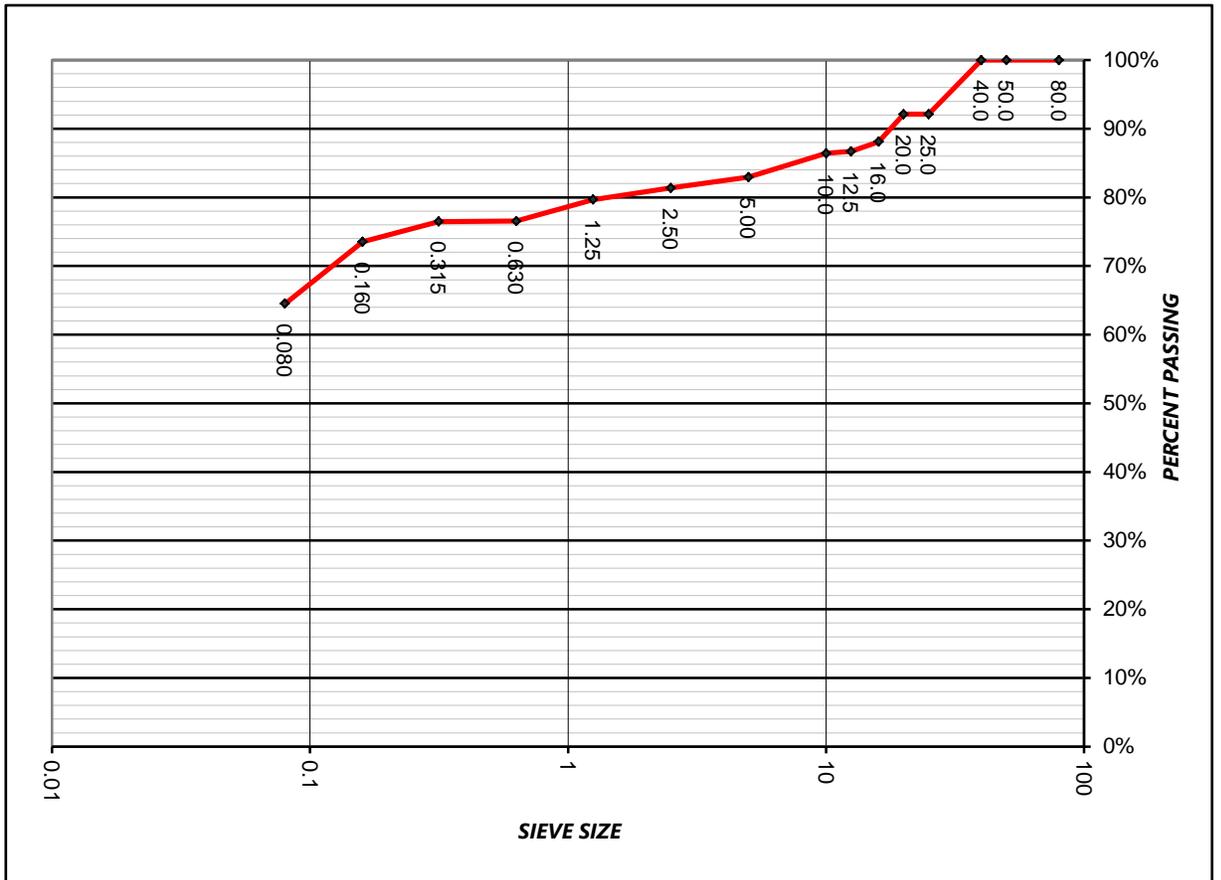
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 11
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd., NWT	Sample Date:
Location: KP 55, Z 10, 443573, 6831720	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>92.1</b>	<b>92.1</b>	<b>88.1</b>	<b>86.7</b>	<b>86.4</b>	<b>82.9</b>	<b>81.4</b>	<b>79.7</b>	<b>76.5</b>	<b>76.5</b>	<b>73.5</b>	<b>64.5</b>

MATERIAL TYPE	
very wet clay	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
18.4%	
GRADATIONS	
GRAVEL	17.1%
SAND	18.4%
SILT/CLAY	64.5%



### COMMENTS

	<b>Reviewed By:</b>
Sample within proposed airstrip.	
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

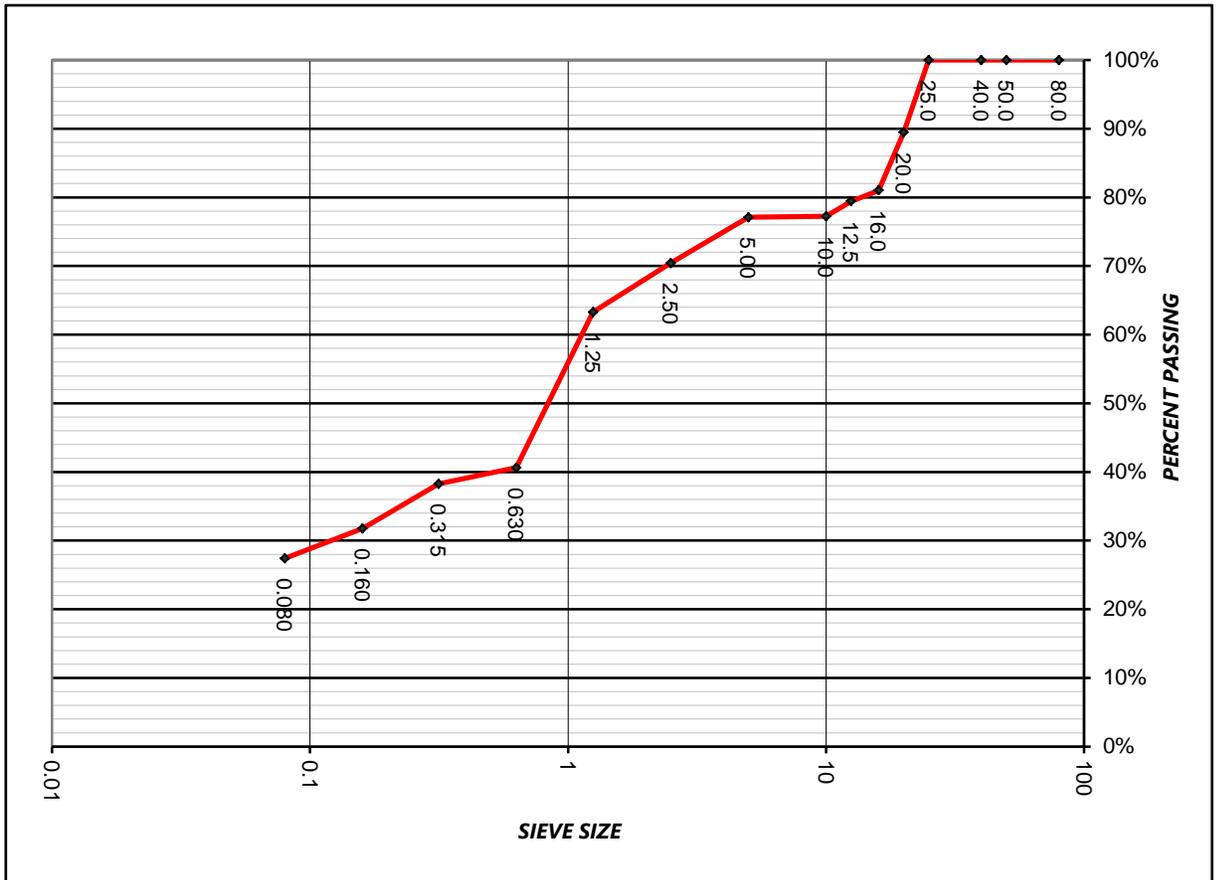
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 12
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd., NWT	Sample Date:
Location: KP 59, Z 10, 0443494, 6828180	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>89.5</b>	<b>81.0</b>	<b>79.4</b>	<b>77.2</b>	<b>77.1</b>	<b>70.4</b>	<b>63.3</b>	<b>40.6</b>	<b>38.3</b>	<b>31.8</b>	<b>27.4</b>

MATERIAL TYPE	
brown rocky sand	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
11.8%	
GRADATIONS	
GRAVEL	22.9%
SAND	49.7%
SILT/CLAY	27.4%



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

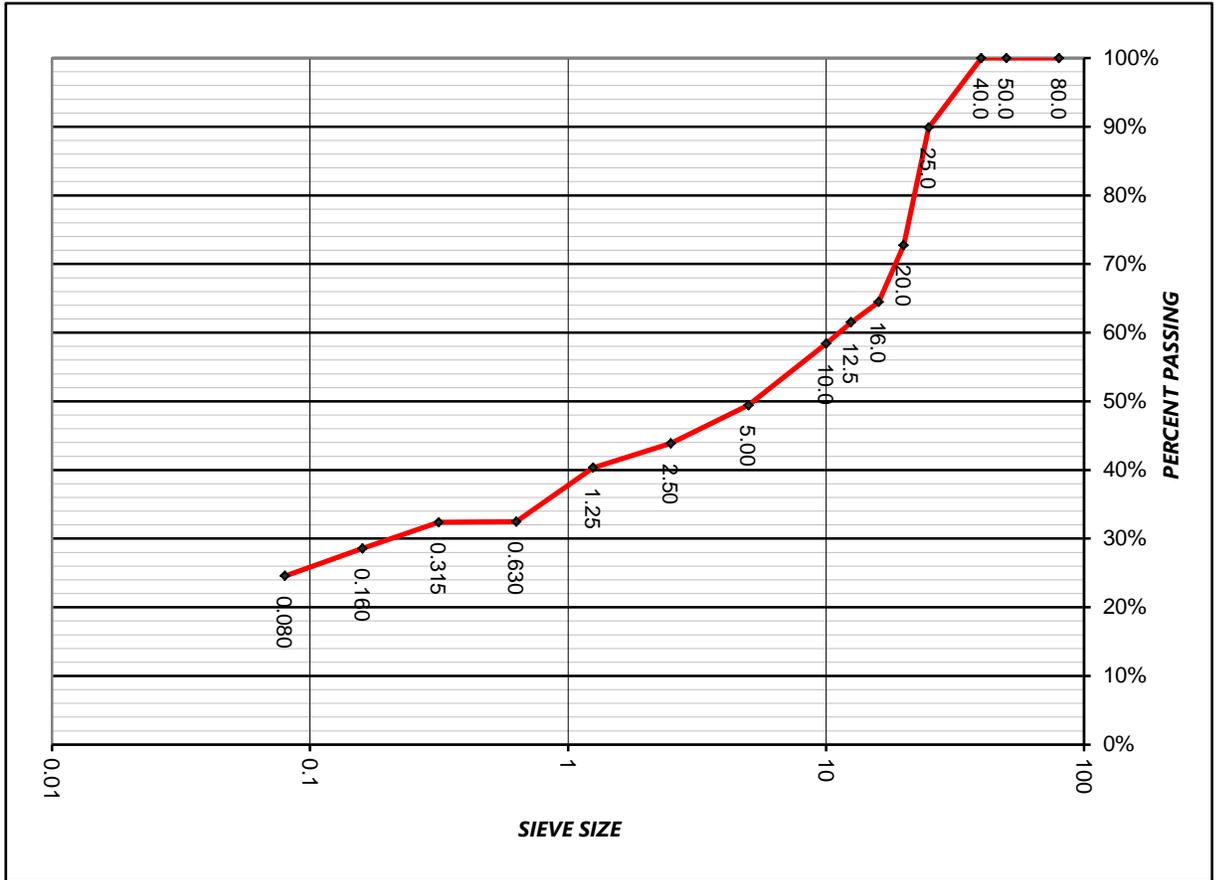
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 13
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Ernest Kragt
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 20th, 2014
Location: KP 121, Z 10, 476148, 6797956	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>89.9</b>	<b>72.7</b>	<b>64.5</b>	<b>61.5</b>	<b>58.4</b>	<b>49.4</b>	<b>43.9</b>	<b>40.3</b>	<b>32.5</b>	<b>32.4</b>	<b>28.6</b>	<b>24.6</b>

MATERIAL TYPE	
dark brown sand	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
9.6%	
GRADATIONS	
GRAVEL	50.6%
SAND	24.8%
SILT/CLAY	24.6%



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

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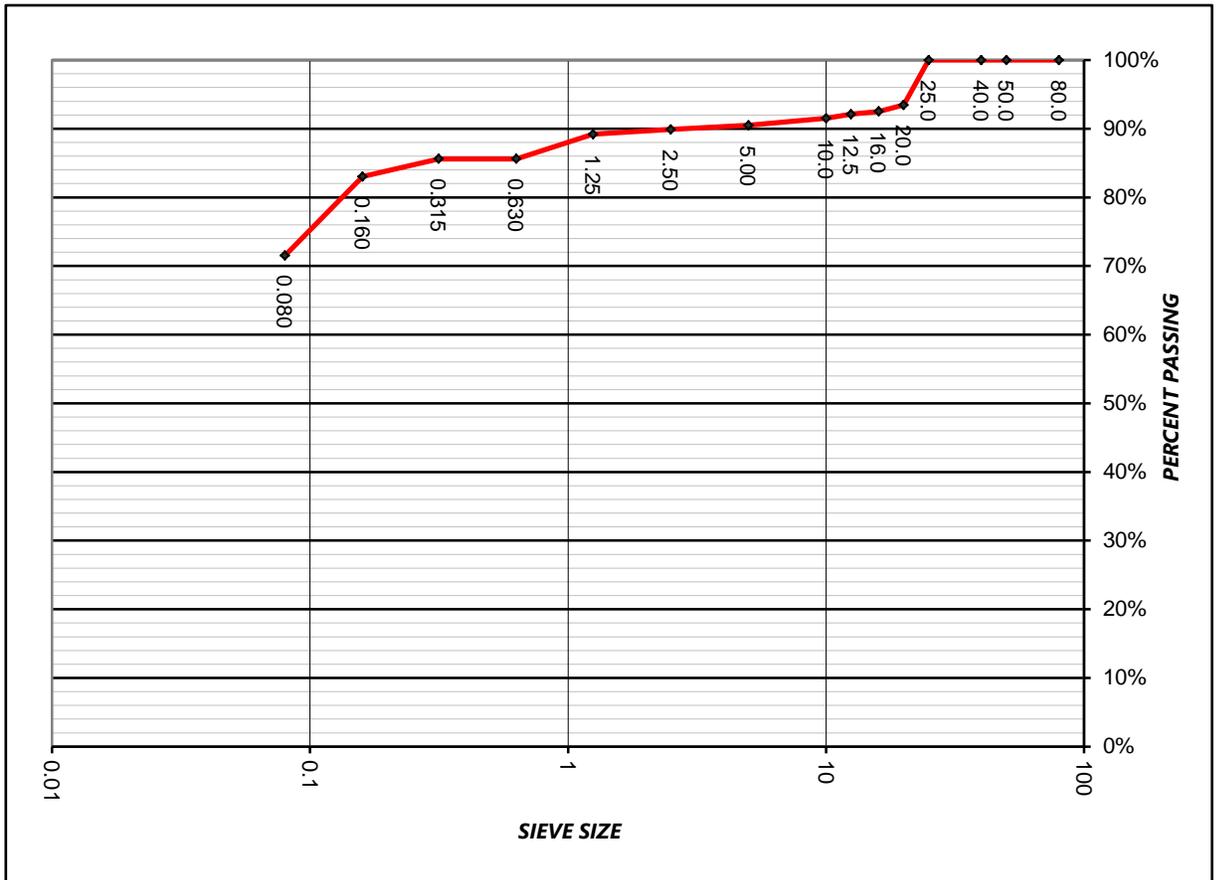
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 14
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd., NWT	Sample Date:
Location: KP 55, Z 10, 442134, 6830499	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>93.5</b>	<b>92.5</b>	<b>92.1</b>	<b>91.5</b>	<b>90.5</b>	<b>89.9</b>	<b>89.2</b>	<b>85.6</b>	<b>85.6</b>	<b>83.0</b>	<b>71.5</b>

MATERIAL TYPE	
wet light brown clay	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
19.0%	
GRADATIONS	
GRAVEL	9.5%
SAND	19.0%
SILT/CLAY	71.5%



### COMMENTS

Sample bag had no label. Dropped off by Brian Mitchell.	Reviewed By:
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

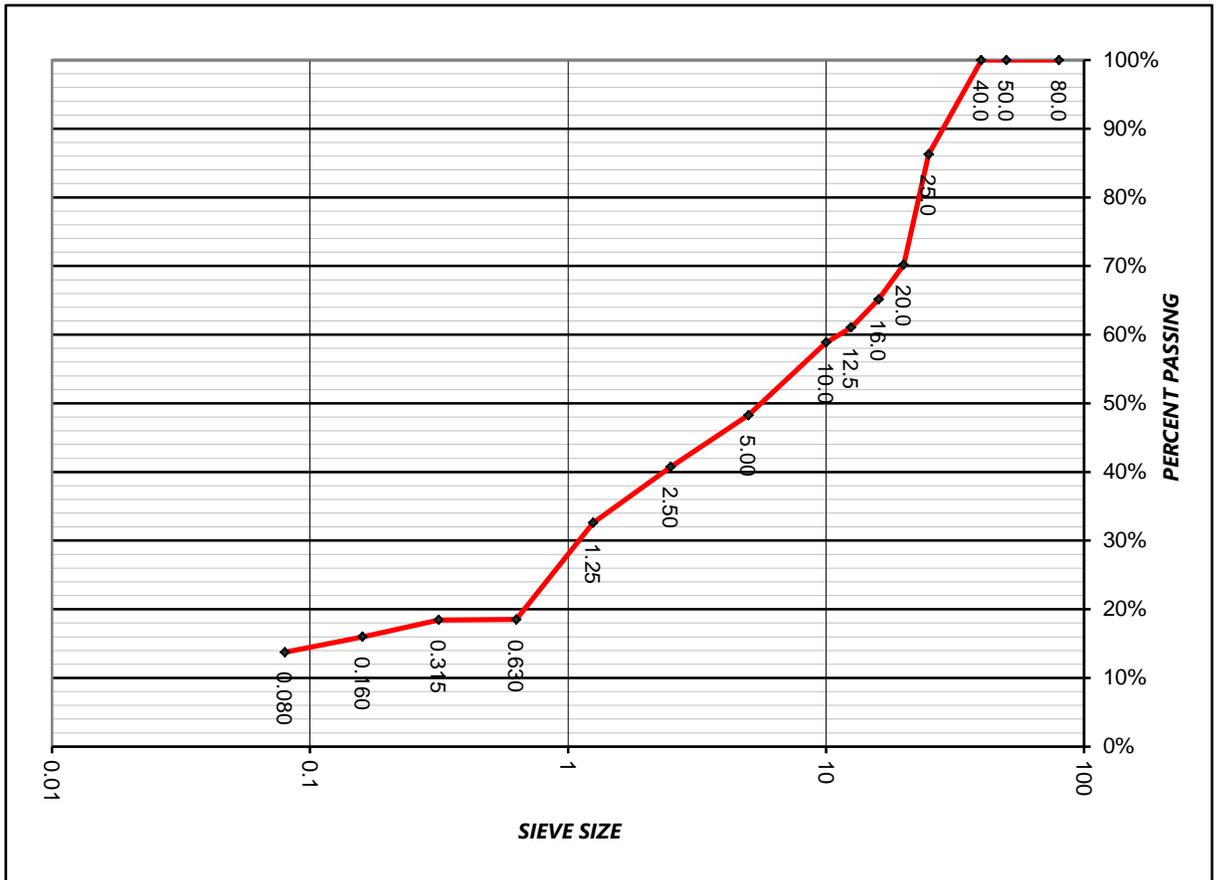
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 15
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Ernest Kragt
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 17th, 2014
Location: KP 57, Z10, 442368, 6829663	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>86.3</b>	<b>70.2</b>	<b>65.1</b>	<b>61.0</b>	<b>58.9</b>	<b>48.3</b>	<b>40.7</b>	<b>32.6</b>	<b>18.5</b>	<b>18.5</b>	<b>16.0</b>	<b>13.8</b>

MATERIAL TYPE	
fragmented sandy gravel	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
4.3%	
GRADATIONS	
GRAVEL	51.7%
SAND	34.5%
SILT/CLAY	13.8%



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

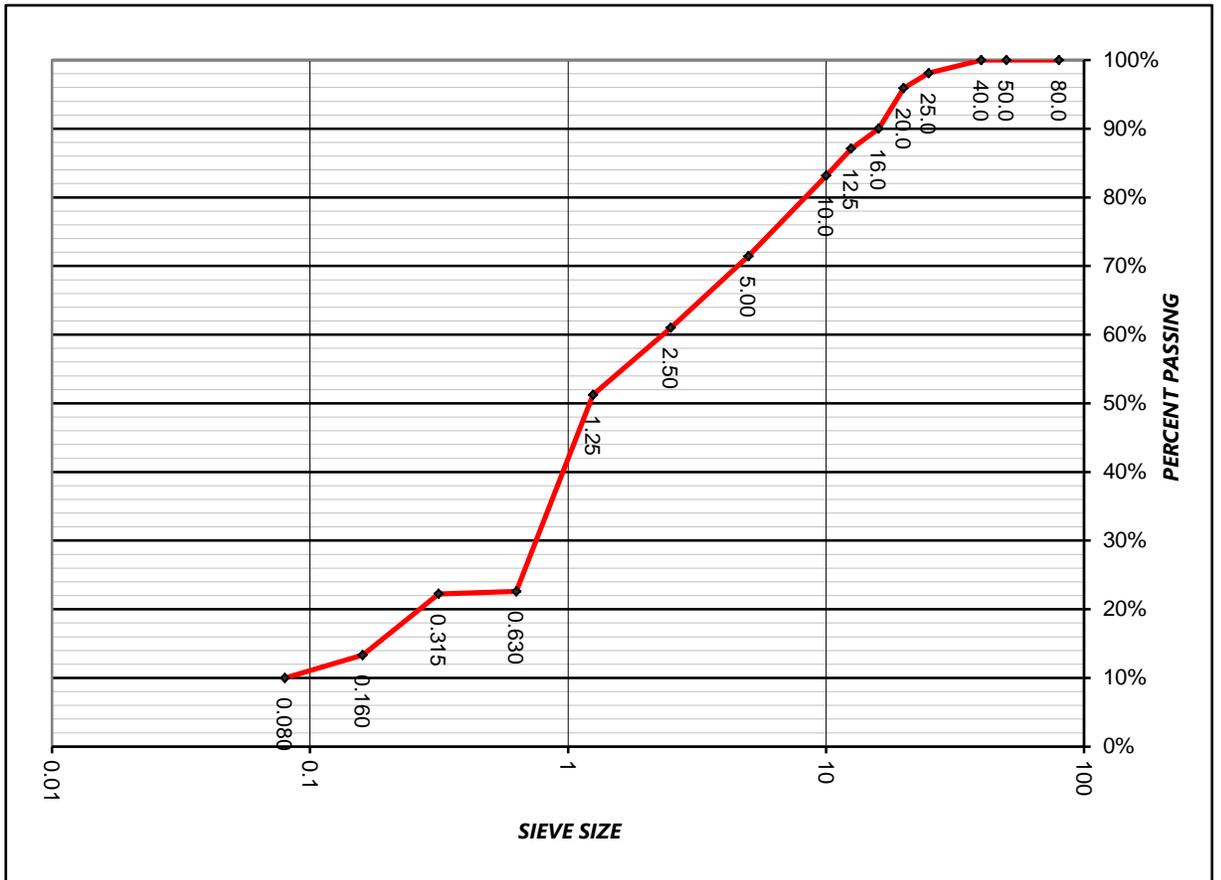
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 16
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd., NWT	Sample Date:
Location: KP 65, Z 10, 447428 / 6824337	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>98.1</b>	<b>95.9</b>	<b>90.0</b>	<b>87.1</b>	<b>83.1</b>	<b>71.4</b>	<b>61.0</b>	<b>51.2</b>	<b>22.6</b>	<b>22.3</b>	<b>13.3</b>	<b>10.0</b>

MATERIAL TYPE	
sandy gravel	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
4.0%	
GRADATIONS	
GRAVEL	<b>28.6%</b>
SAND	<b>61.5%</b>
SILT/CLAY	<b>10.0%</b>



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

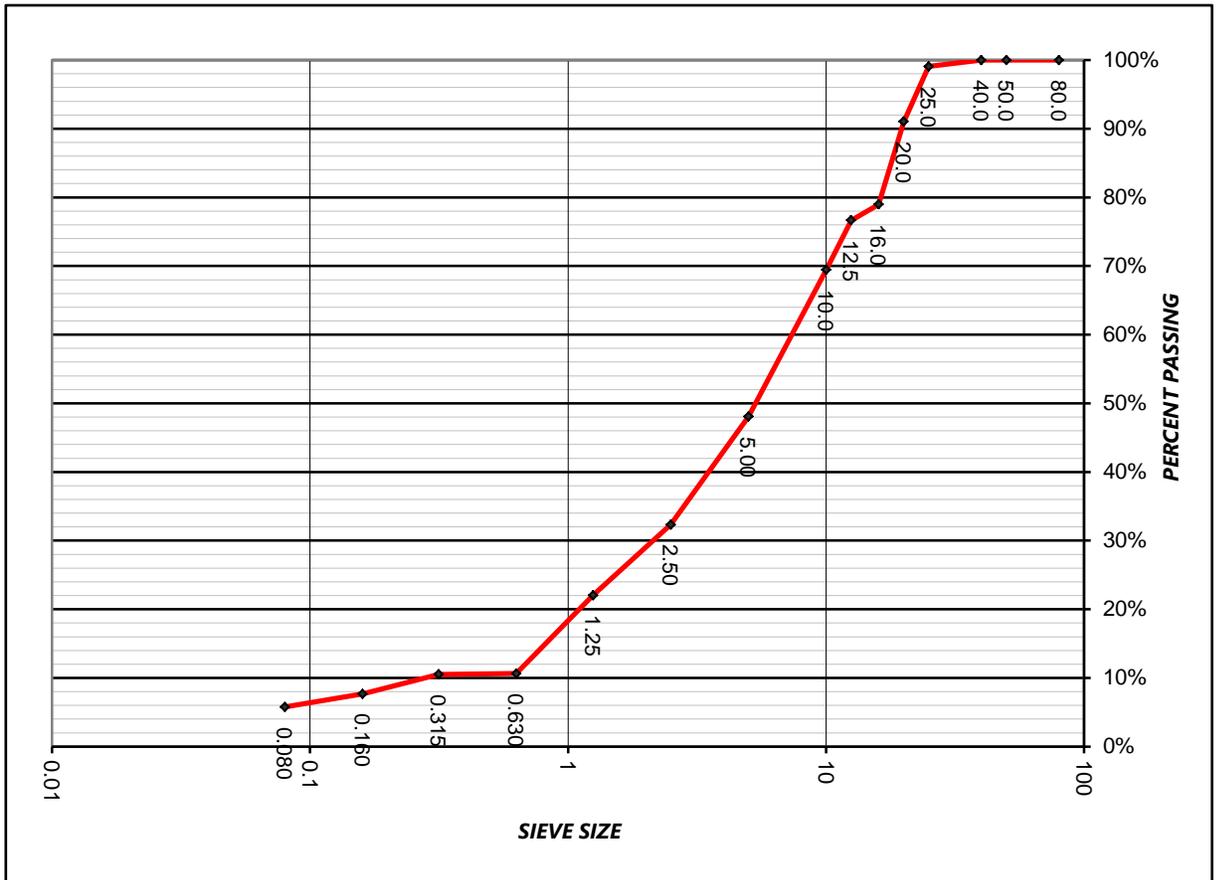
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 17
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd., NWT	Sample Date:
Location: KP 59, Z 10, 443933, 6828137	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>99.1</b>	<b>91.0</b>	<b>79.0</b>	<b>76.6</b>	<b>69.4</b>	<b>48.1</b>	<b>32.3</b>	<b>22.0</b>	<b>10.6</b>	<b>10.5</b>	<b>7.7</b>	<b>5.8</b>

MATERIAL TYPE	
black gravel	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
5.8%	
GRADATIONS	
GRAVEL	51.9%
SAND	42.3%
SILT/CLAY	5.8%



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

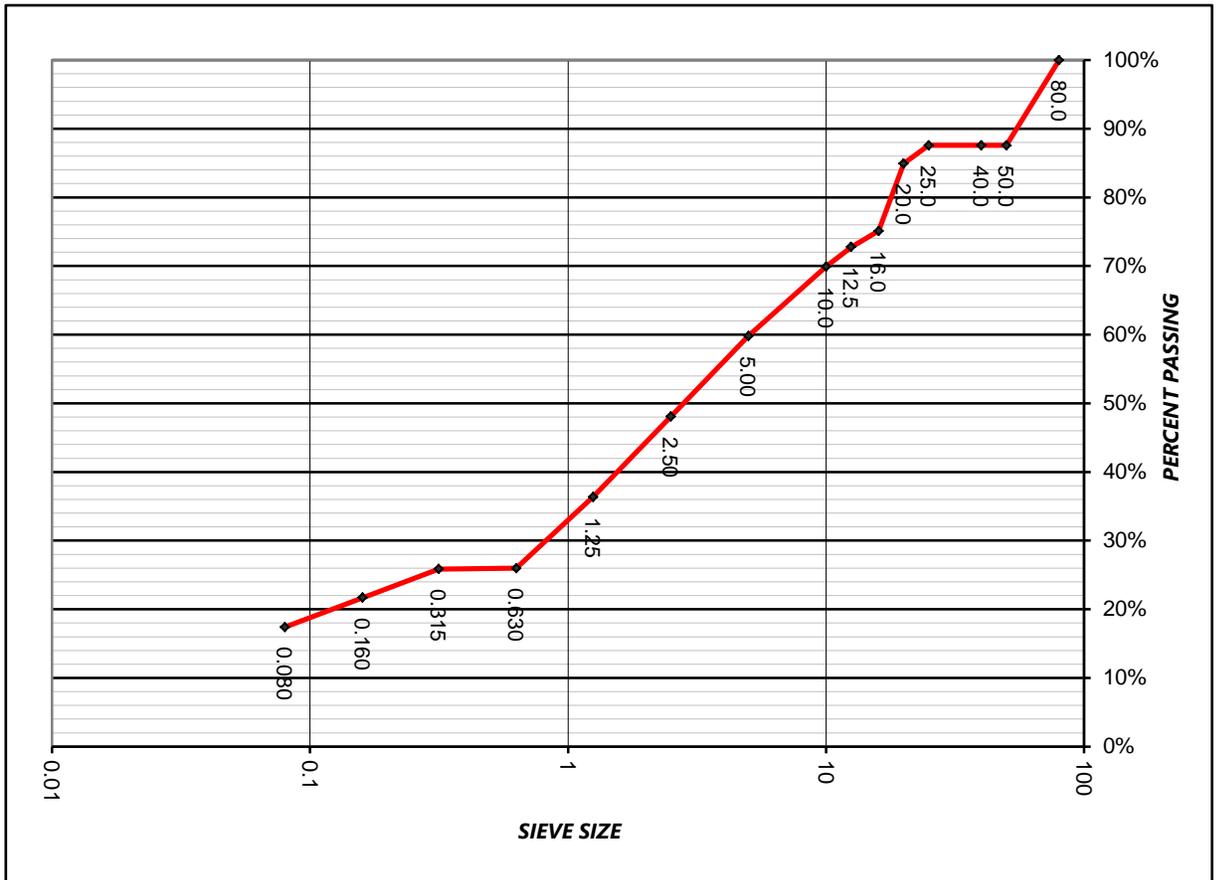
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 18
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd., NWT	Sample Date:
Location: KP 64 , Z10, 446957/ 6824488	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>87.6</b>	<b>87.6</b>	<b>87.6</b>	<b>84.9</b>	<b>75.1</b>	<b>72.8</b>	<b>69.9</b>	<b>59.8</b>	<b>48.1</b>	<b>36.4</b>	<b>26.0</b>	<b>25.9</b>	<b>21.7</b>	<b>17.4</b>

MATERIAL TYPE	
	brown sandy wet gravel
SIEVE METHOD	
	Wash
% FRACTURE	
% MOISTURE	
	15.5%
GRADATIONS	
GRAVEL	40.2%
SAND	42.4%
SILT/CLAY	17.4%



### COMMENTS

	Reviewed By:
Full sample was run over entire CSA sieve stack shown on graph.	
Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

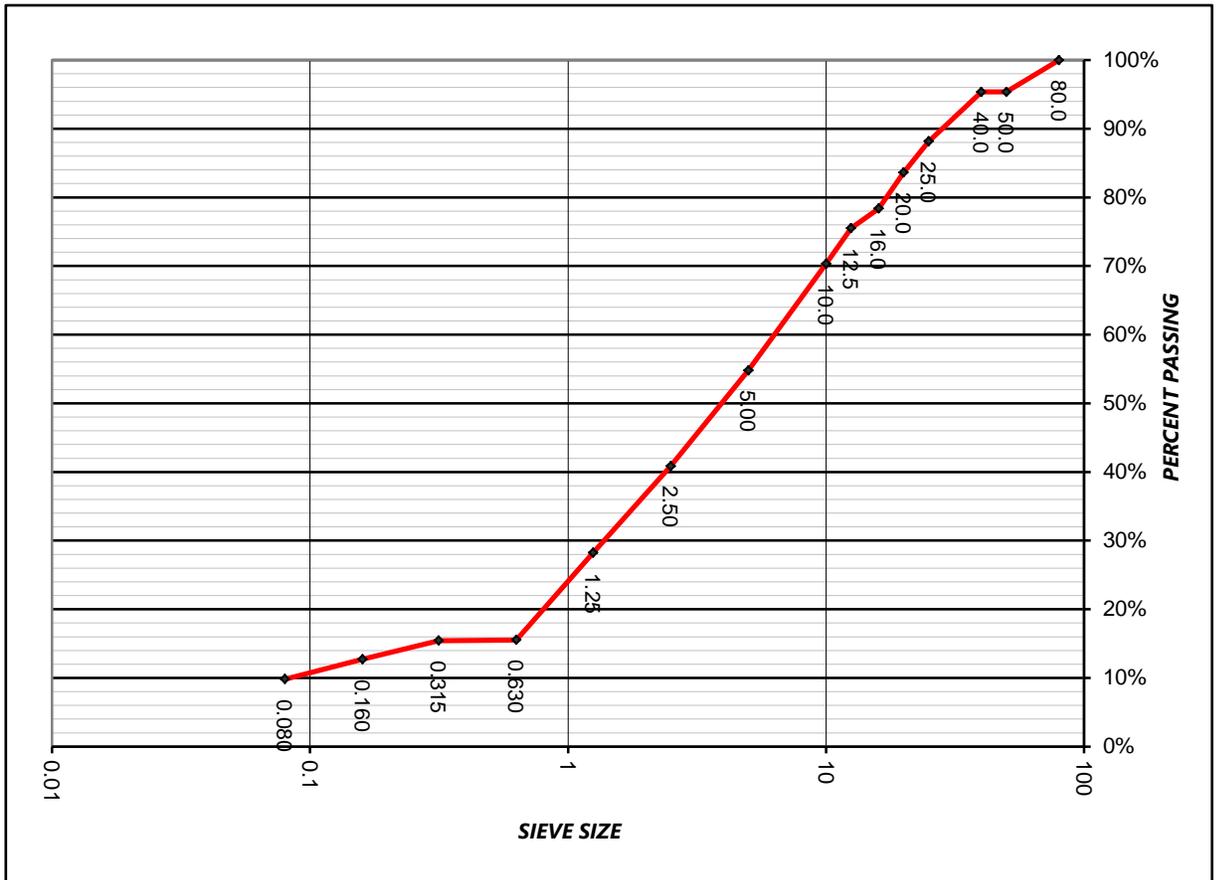
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 19
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Prairie Creek Mine Access Rd, NWT	Sample Date:
Location: KP 65, Z 10, 447361 / 6824430	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>95.4</b>	<b>95.4</b>	<b>88.1</b>	<b>83.6</b>	<b>78.4</b>	<b>75.5</b>	<b>70.3</b>	<b>54.8</b>	<b>40.9</b>	<b>28.2</b>	<b>15.5</b>	<b>15.4</b>	<b>12.7</b>	<b>9.8</b>

MATERIAL TYPE
black wet aggregate
SIEVE METHOD
Wash
% FRACTURE
% MOISTURE
8.6%
GRADATIONS
GRAVEL <b>45.2%</b>
SAND <b>45.0%</b>
SILT/CLAY <b>9.8%</b>



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

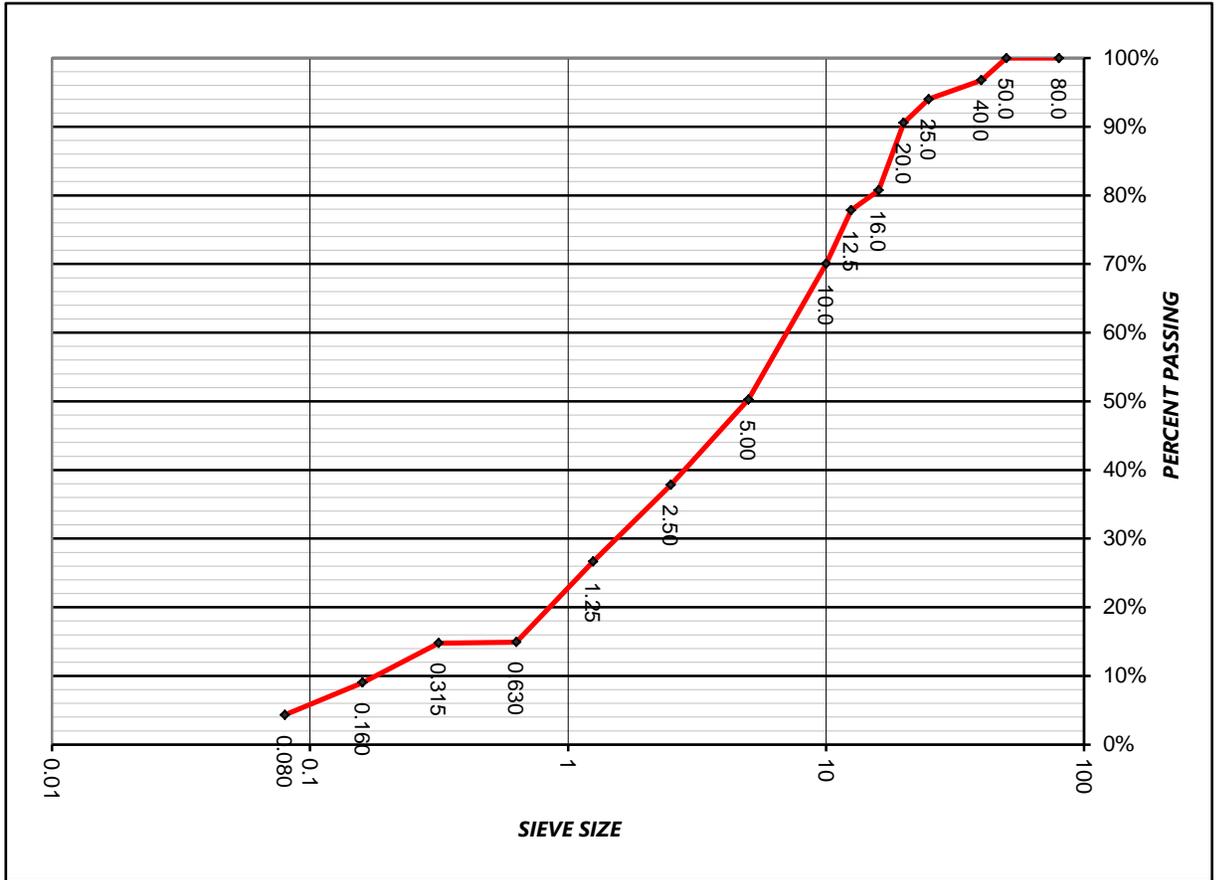
ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 20
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Ernest Kragt
Project: Prairie Creek Mine Access Rd., NWT	Sample Date: Sept 16th, 2014
Location: KP 16, Z 10, 410424, 6832342	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC						#####									
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>100.0</b>	<b>96.8</b>	<b>94.0</b>	<b>90.6</b>	<b>80.7</b>	<b>77.8</b>	<b>70.0</b>	<b>50.3</b>	<b>37.8</b>	<b>26.6</b>	<b>14.9</b>	<b>14.8</b>	<b>9.1</b>	<b>4.3</b>

MATERIAL TYPE	
light grey aggregate	
SIEVE METHOD	
Wash	
% FRACTURE	
% MOISTURE	
6.1%	
GRADATIONS	
GRAVEL	49.7%
SAND	45.9%
SILT/CLAY	4.3%



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	S. George, Lab Manager

## Sieve Analysis Report

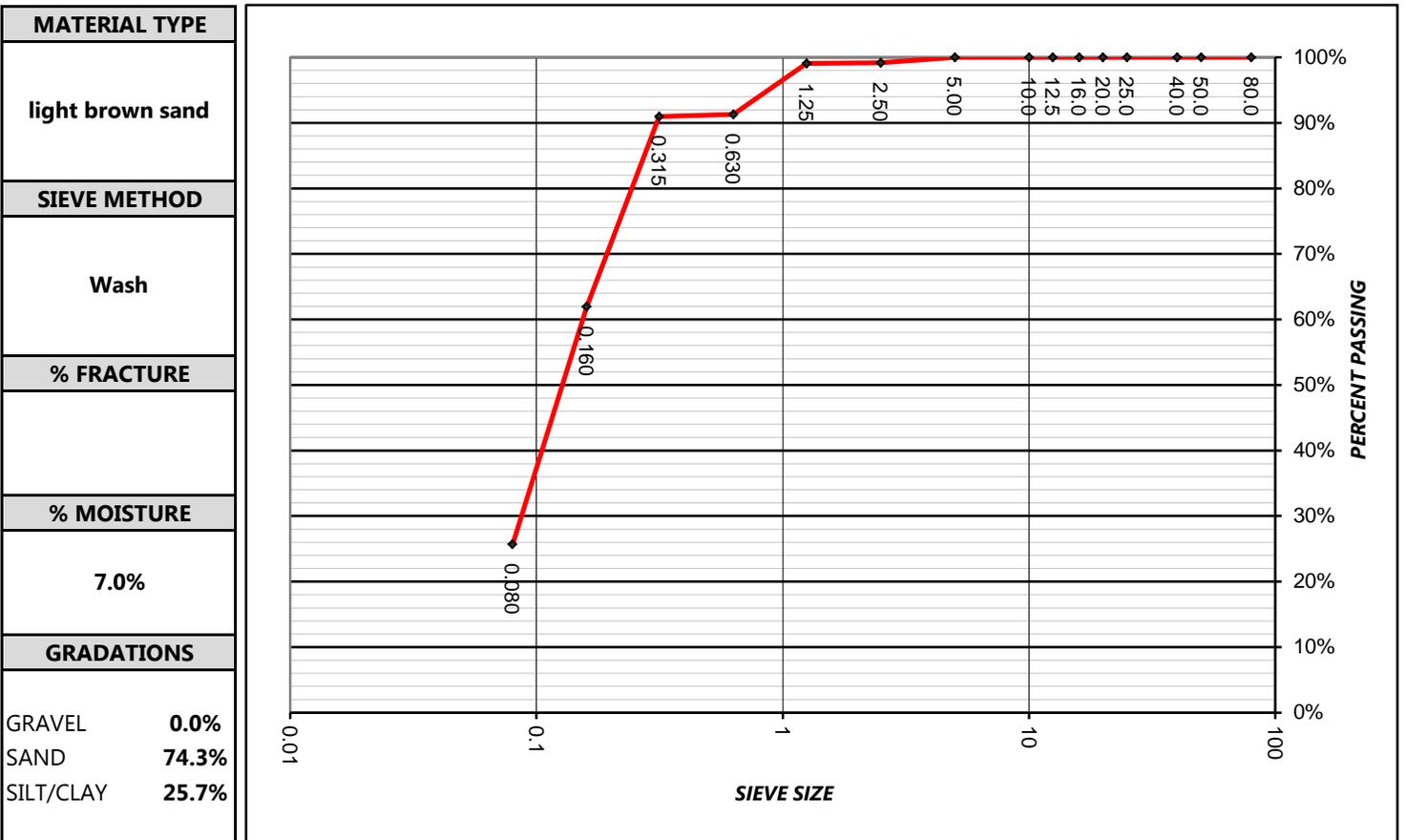
2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

ASTM C-117; C-136      CAN/CGSB-8.2M

Test Date: December 1st, 2014	Report Number: 14GP0128 - 120112 - sample 21
File Number: 14-GP-0128	Inspector: M. Gervais
Client: Canadian Zinc	Sampled By: Brian Mitchel
Project: Praire Creek Mine Access Rd., NWT	Sample Date:
Location: Kp 50, Z 10, 438217/6829975	Copy To:
Contractor:	

### TEST RESULTS

SIEVE SIZE (mm)	80	50	40	25	20	16	12.5	10	5.00	2.50	1.25	0.630	0.315	0.160	0.080
MAX % PASS SPEC															
MIN % PASS SPEC															
<b>% PASS RESULTS</b>	<b>100.0</b>	<b>99.2</b>	<b>99.1</b>	<b>91.3</b>	<b>91.0</b>	<b>62.0</b>	<b>25.7</b>								



### COMMENTS

	<b>Reviewed By:</b>
Full sample was run over entire CSA sieve stack shown on graph. Initial sample size was smaller than desired, due to weight restrictions.	
	S. George, Lab Manager