Appendix E – Surface / Subsurface Sediment Sampling Results 1

Feet
0 300

Dry Creek Mile II

Pena Creek Sediment Samples

Bulk Sample
Pebble Count
River Miles

inter·fluve
501 Portway Ave., Suite 101
Hood River, OR 97031
541-386-9003
www.interfluve.com

Location (Stream, Reach, Description)

Sediment Grain Size Analysis

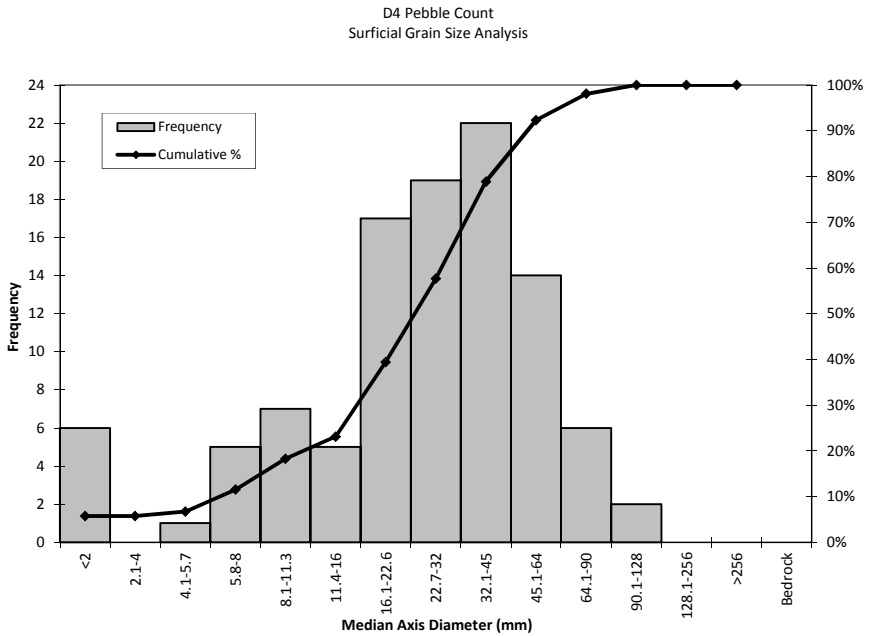
Dry Creek	Stream
8	Reach
	Location
PC8	Identifier / Unit
Riffle	Longitudinal Description (Pool, Riffle, Bend, Crossing)
Surficial- Armor Layer	Sample Type: Armor Layer or Subarmor
2.5 ft	Approximate Depth of Flow at Thalweg (ft)

2/25/2015	Date
J.Graca, M.Baxter	Personnel
38.67966092	Latitude
-122.9435172	Longitude
	Northing
	Easting
pc8	Waypoint

Notes:
Riffle at the top of Reach 8

Pebble Count Data

Class (Wentworth)	*Size Class mm*	*Frequency*	*Cumulative %*
Sand	<2	6	5.8%
Very Fine Gravel	2.1-4	0	5.8%
Fine Gravel	4.1-5.7	1	6.7%
Fine Gravel	5.8-8	5	11.5%
Medium Gravel	8.1-11.3	7	18.3%
Medium Gravel	11.4-16	5	23.1%
Coarse Gravel	16.1-22.6	17	39.4%
Coarse Gravel	22.7-32	19	57.7%
Very Coarse Gravel	32.1-45	22	78.8%
Very Coarse Gravel	45.1-64	14	92.3%
Small Cobble	64.1-90	6	98.1%
Small Cobble	90.1-128	2	100.0%
Large Cobble	128.1-256	0	100.0%
Small Boulders	>256	0	100.0%
Bedrock	Bedrock	0	100.0%
	Total	104	



Location (Stream, Reach, Description)

Sediment Grain Size Analysis

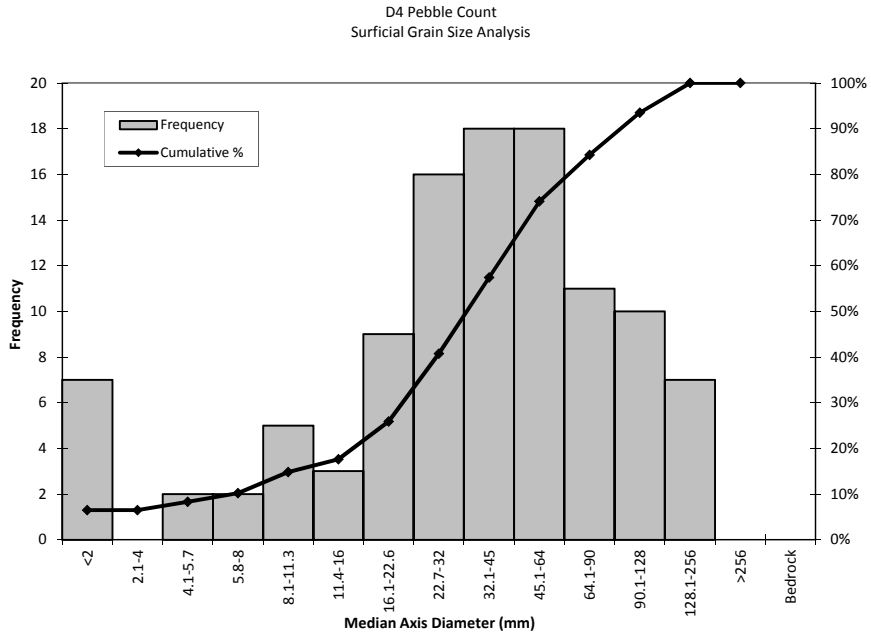
Dry Creek	Stream
8	Reach
	Location
PC9	Identifier / Unit
Riffle	Longitudinal Description (Pool, Riffle, Bend, Crossing)
Surficial- Armor Layer	Sample Type: Armor Layer or Subarmor
1 ft	Approximate Depth of Flow at Thalweg (ft)

2/25/2015	Date
J.Graca, M.Baxter	Personnel
38.6778845	Latitude
-122.94234	Longitude
	Northing
	Easting
pc9	Waypoint

Notes:
Riffle in the middle of Reach 8

Pebble Count Data

Class (Wentworth)	*Size Class mm*	*Frequency*	*Cumulative %*
Sand	<2	7	6.5%
Very Fine Gravel	2.1-4	0	6.5%
Fine Gravel	4.1-5.7	2	8.3%
Fine Gravel	5.8-8	2	10.2%
Medium Gravel	8.1-11.3	5	14.8%
Medium Gravel	11.4-16	3	17.6%
Coarse Gravel	16.1-22.6	9	25.9%
Coarse Gravel	22.7-32	16	40.7%
Very Coarse Gravel	32.1-45	18	57.4%
Very Coarse Gravel	45.1-64	18	74.1%
Small Cobble	64.1-90	11	84.3%
Small Cobble	90.1-128	10	93.5%
Large Cobble	128.1-256	7	100.0%
Small Boulders	>256	0	100.0%
Bedrock	Bedrock	0	100.0%
	Total	108	



Location (Stream, Reach, Description)

Sediment Grain Size Analysis

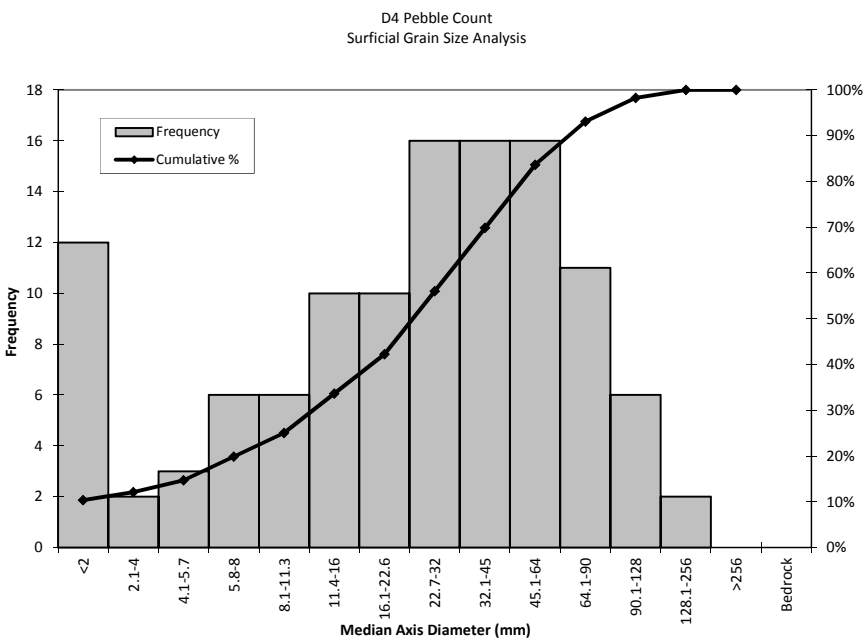
Dry Creek	Stream
8	Reach
	Location
PC10	Identifier / Unit
Riffle	Longitudinal Description (Pool, Riffle, Bend, Crossing)
Surficial- Armor Layer	Sample Type: Armor Layer or Subarmor
1 ft	Approximate Depth of Flow at Thalweg (ft)

2/25/2015	Date
J.Graca, M.Baxter	Personnel
38.67649132	Latitude
-122.9418016	Longitude
	Northing
	Easting
pc10	Waypoint

Notes:
Riffle in the middle of Reach 8

Pebble Count Data

Class (Wentworth)	*Size Class mm*	*Frequency*	*Cumulative %*
Sand	<2	12	10.3%
Very Fine Gravel	2.1-4	2	12.1%
Fine Gravel	4.1-5.7	3	14.7%
Fine Gravel	5.8-8	6	19.8%
Medium Gravel	8.1-11.3	6	25.0%
Medium Gravel	11.4-16	10	33.6%
Coarse Gravel	16.1-22.6	10	42.2%
Coarse Gravel	22.7-32	16	56.0%
Very Coarse Gravel	32.1-45	16	69.8%
Very Coarse Gravel	45.1-64	16	83.6%
Small Cobble	64.1-90	11	93.1%
Small Cobble	90.1-128	6	98.3%
Large Cobble	128.1-256	2	100.0%
Small Boulders	>256	0	100.0%
Bedrock	Bedrock	0	100.0%
	Total	116	



Location (Stream, Reach, Description)

Sediment Grain Size Analysis

Dry Creek	Stream
8	Reach
	Location
PC11	Identifier / Unit
Riffle	Longitudinal Description (Pool, Riffle, Bend, Crossing)
Surficial- Armor Layer	Sample Type: Armor Layer or Subarmor
1 ft	Approximate Depth of Flow at Thalweg (ft)

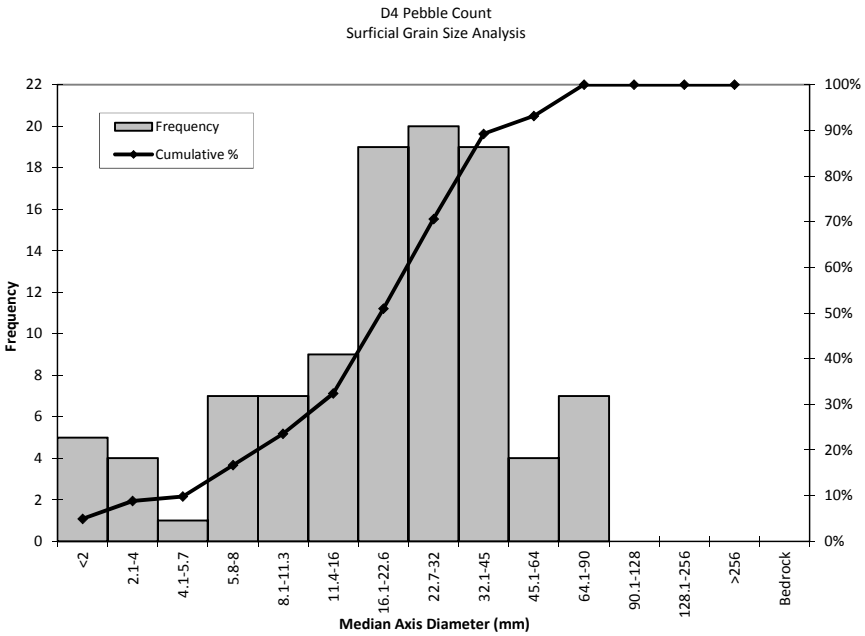
2/25/2015	Date
J.Graca, M.Baxter	Personnel
38.67257794	Latitude
-122.9423419	Longitude
	Northing
	Easting
pc11	Waypoint

Notes:

Riffle at the downstrea
end of Reach 8

Pebble Count Data

Class (Wentworth)	*Size Class mm*	*Frequency*	*Cumulative %*
Sand	<2	5	4.9%
Very Fine Gravel	2.1-4	4	8.8%
Fine Gravel	4.1-5.7	1	9.8%
Fine Gravel	5.8-8	7	16.7%
Medium Gravel	8.1-11.3	7	23.5%
Medium Gravel	11.4-16	9	32.4%
Coarse Gravel	16.1-22.6	19	51.0%
Coarse Gravel	22.7-32	20	70.6%
Very Coarse Gravel	32.1-45	19	89.2%
Very Coarse Gravel	45.1-64	4	93.1%
Small Cobble	64.1-90	7	100.0%
Small Cobble	90.1-128	0	100.0%
Large Cobble	128.1-256	0	100.0%
Small Boulders	>256	0	100.0%
Bedrock	Bedrock	0	100.0%
	Total	102	



Dry Creek BLK - 5

Bulk Sediment Grain Size Analysis

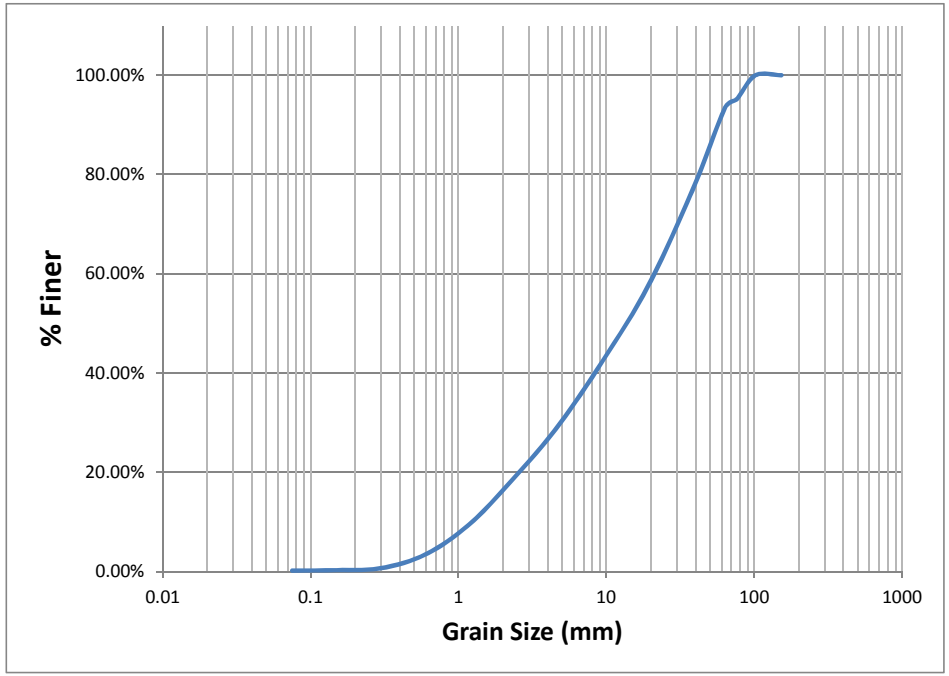
Bulk 5	Identifier
2/25/15	Date
JG, MB	Personnel
Dry Creek	Stream
n/a	Approximate Depth of Flow at Thalweg (ft)
riffle	Longitudinal Description (Pool, Riffle, Bend, Crossing)
Subarmor	Sample Type: Armor Layer or Subarmor

Notes:

View
looking
downstream

Pebble Count Data

Class (Wentworth)	*Size Class mm*	*Frequency*	*Cumulative %*
Sand	<2		16.0%
Sand	2.8		20.8%
Very Fine Gravel	2.9-4		26.1%
Fine Gravel	4.1-5.6		31.8%
Fine Gravel	5.7-8		38.5%
Medium Gravel	8.1-11.3		42.6%
Medium Gravel	11.4-16		50.3%
Coarse Gravel	16.1-22.6		57.5%
Coarse Gravel	22.7-32		67.5%
Very Course Gravel	32.1-45		76.8%
Very Course Gravel	45.1-64		93.6%
Small Cobble	64.1-90		97.8%
Small Cobble	90.1-128		100.0%
Large Cobble	128.1-256		100.0%
Small Boulders	>256		100.0%
			100.0%



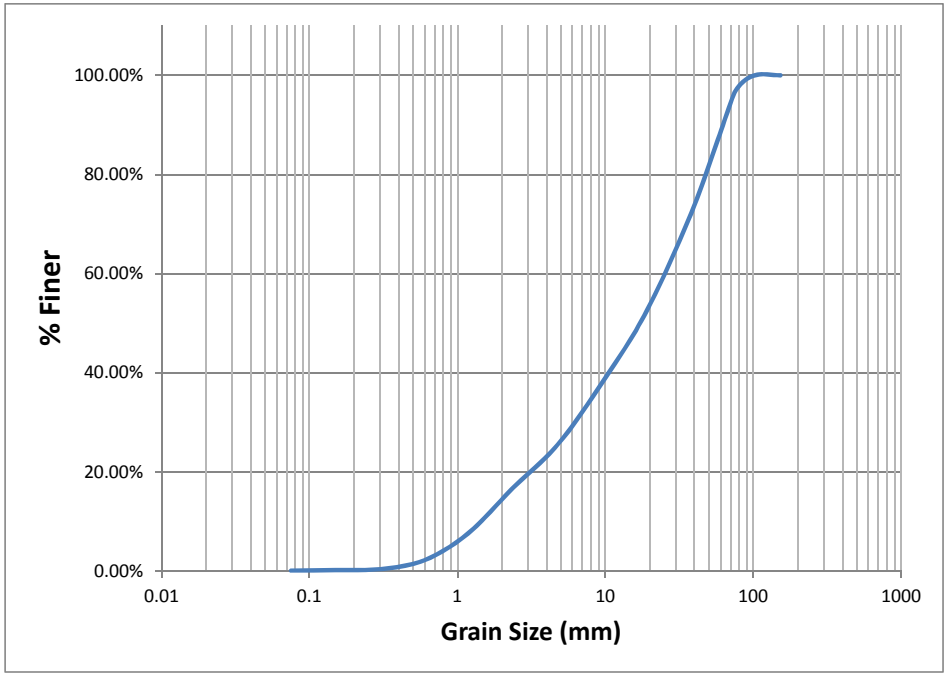
Dry Creek BLK - 4

Bulk Sediment Grain Size Analysis

Bulk 4	Identifier
2/25/15	Date
JG, MB	Personnel
Dry Creek	Stream
n/a	Approximate Depth of Flow at Thalweg (ft)
riffle	Longitudinal Description (Pool, Riffle, Bend, Crossing)
Subarmor	Sample Type: Armor Layer or Subarmor

Notes:

View looking upstream

Pebble Count Data

Class (Wentworth)	*Size Class mm*	*Cumulative %*
Sand	<2	13.9%
Sand	2.8	18.3%
Very Fine Gravel	2.9-4	22.7%
Fine Gravel	4.1-5.6	27.7%
Fine Gravel	5.7-8	34.1%
Medium Gravel	8.1-11.3	38.0%
Medium Gravel	11.4-16	45.5%
Coarse Gravel	16.1-22.6	52.6%
Coarse Gravel	22.7-32	62.8%
Very Course Gravel	32.1-45	72.3%
Very Course Gravel	45.1-64	90.9%
Small Cobble	64.1-90	98.6%
Small Cobble	90.1-128	100.0%
Large Cobble	128.1-256	100.0%
Small Boulders	>256	100.0%