

Project Name: Fort Vancouver National Park
 Project Number: WA PRA FVNP 100(1)
 Item No. **25101-3000 Placed Rip Rap, Class 3**
 Placed: STA 104+300 to 104+447
 Field Measurements and calcs by: John Smith 8/30/2008

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STA	DIST (yd)	SLOPE LENGTH (yd)	Average SLOPE LENGTH (yd)	DEPTH (yd)	Volume (CUYD)
104+300		6.6 m -			
	10 ✓		12 ✓	1 ✓	120 ✓
104+310		17.4 m -			
	10 ✓		21 ✓	2 ✓	210 ✓
104+320		24.6 -			
	20 ✓		23.3 ✓	1 ✓	466 ✓
104+340		22 -			
	20 ✓		20.6 ✓	1 ✓	412 ✓
104+360		19.2 -			
	20 ✓		20.6 ✓	1 ✓	412 ✓
104+380		22 -			
	21 ✓		18.2 ✓	1 ✓	382.2 ✓
104+401		14.4 -			
	20 ✓		12.95 ✓	1 ✓	259 ✓
104+421 (Klusters Driveway)		11.5 -			
	20 ✓		10 ✓	1 ✓	200 ✓
104+441 (Klusters Driveway)		8.5 -			
	6 ✓		7 ✓	1 ✓	42 ✓
104+447 (Klusters Driveway)		5.5 -			
					2503.2 CUYD ✓

In order to check the As-Builts when the project is complete, these quantities should also have a reference to center line.

John W. Smith
 9/2/08