

<b><u>Lab Analysis Rates</u></b> (1-20 Samples)*	<b>Internal Base Rate</b>	<b>Federal &amp; Other Gov. Rate</b>	<b>State of NV Rate</b>	<b>Commercial Rate</b>
Sample Handling Fee <sup>1</sup>	11.50	19.00	16.70	20.20
Report Fee <sup>2</sup>	11.80	19.50	17.20	20.70
<b>Soil/Sediment Samples:</b>				
<b>Sample Pretreatment</b>				
Moisture Content and % Gravel	6.50	10.80	9.50	11.50
Excess Volume Fee (>1L)	1.30	2.10	1.90	2.20
Organic Matter Removal	5.00	8.30	7.30	8.80
Carbonate Removal	6.20	10.30	9.10	10.90
Grinding (Vial Rotator)	1.80	3.00	2.70	3.20
Grinding (Ball Mill)	12.40	20.50	18.10	21.70
<b>Traditional Particle Size – Pipette</b>				
Total PSA (5 sand, 2 silt, clay) – PMM 383	38.70	63.90	56.20	67.80
Partial (1 sand, 2 silt, clay)	34.10	56.30	49.60	59.70
Partial (sand sieve only)	25.70	42.50	37.40	45.00
<i>Rad Fee</i>	2.30	3.80	3.40	4.00
<b>Laser Particle Size – Malvern Mastersizer 3000</b>				
Base (<2mm samples only)	18.80	31.10	27.30	32.90
With sample preparation (one wet or dry sieve)	25.10	41.50	36.50	44.00
With sample preparation and sand fractionation (up to 5 sieves)	29.70	49.10	43.20	52.00
<i>Rad Fee</i>	1.60	2.60	2.30	2.70
<b>Laser Particle Size – Saturn Digisizer 5200</b>				
Base (<1mm samples only)	18.80	31.10	27.30	32.90
With sample preparation (one wet or dry sieve)	25.10	41.50	36.50	44.00
With sample preparation and sand fractionation (up to 5 sieves)	29.70	49.10	43.20	52.00
<i>Rad Fee</i>	1.60	2.60	2.30	2.70
<b>Chemical Analysis</b>				
Carbonate Content	18.80	31.10	27.30	32.90
Electrical Conductivity (1:5)	11.50	19.00	16.70	20.20
Soil pH (Buffered CaCl <sub>2</sub> )	12.60	20.80	18.30	22.10
Fe Oxides (Cit-Dithionite extract plus AAS measurement)	22.60	37.30	32.90	39.60
Fe Oxides (Hydroxylamine extract plus AAS measurement)	17.70	29.30	25.80	31.00
Ion Chromatography (cation and anion suites; includes EC)	56.80	93.80	82.50	99.40

<b>Organic Matter</b>					
	Loss-on-ignition (LOI)	8.40	13.90	12.20	14.70
	<i>Rad Fee</i>	3.10	5.10	4.50	5.50
<b>Bulk Density (Paraffin Wax)</b>		23.50	38.80	34.20	41.20
<b>Method Development (per hour)</b>		58.70	96.90	85.30	102.80
<b>Water-Sediment Mixtures:</b>					
<b>Sediment Concentration</b>					
	Sediment Concentration	11.20	18.50	16.30	19.60
	<i>Excess Volume Fee (&gt;1L)</i>	6.60	10.90	9.60	11.60
	<i>Rad Fee</i>	1.90	3.20	2.80	3.40
	Total Suspended Solids	22.20	36.70	32.30	38.90
<b>Laser Particle Size Analysis – Saturn Digisizer 5200</b>					
	Base	19.40	32.10	28.20	34.00
	<i>Excess Volume Fee (&gt;500mL)</i>	3.70	6.10	5.40	6.50
	<i>Rad Fee</i>	1.90	3.10	2.80	3.30
<b>Laser Particle Size Analysis – Malvern Mastersizer 3000</b>					
	Base	19.40	32.10	28.20	34.00
	<i>Excess Volume Fee (&gt;500mL)</i>	3.70	6.10	5.40	6.50
	<i>Rad Fee</i>	1.90	3.10	2.80	3.30
<p>*Greater than 20 samples will receive a 10% discount.</p> <p><sup>1</sup> All samples entering the lab will be charged this fee which includes lab operating costs, and time spent logging in samples and establishing an analysis strategy with the PI.</p> <p><sup>2</sup> Report fee to be charged for any written reports or data presentation/formatting that varies from the standard summary table offered.</p>					