



**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)**

Project: King Salmon
King Salmon, AK
Client: HC Contractors

Project #: 2026-007
Date: July 19, 2026
Area Tested: North Waterline Road

Material / Source:

26-173 **26- 119.8**
090 **26- 140.7**
115 **109.3**

Gauge: Instrotek 3500

Ser: # 3566

Operator: Mika Mack

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	26-173	10"	1' above pea gravel	North Waterline Road crossing guard shack access 4' RCL	133.6	11.7	119.6	119.8	99.8%	95%
2	26-090	10"	2	North Waterline Road crossing guard shack access 7' LCL	150.1	8.4	138.5	140.7	98.4%	95%
3	26-090	10"	3	North Waterline Road crossing guard shack access 5' RCL	150.2	8.5	138.4	140.7	98.4%	95%
4	26-115	10"	1' above pea gravel	North Waterline 30' East of guard shack CL	107.1	12.3	95.4	109.3	87.3%	90%
5	26-090	10"	4	North Waterline Road crossing guard shack access CL	142.9	5.4	135.6	140.7	96.4%	95%
6	26-115	10"	1' above pea gravel	Retest #5	120.7	15.4	104.6	109.3	95.7%	95%

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7	26-115	10"	2	North Waterline 95' East of guard shack	111.9	13.5	98.6	109.3	90.2%	90%
8	26-090	10"	1' above duct bank	Electrical trench of light cans	145.7	8.7	134.0	140.7	95.3%	95%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager

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