



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

**Project: Polychrome Pass
Denali National Park, Ak
Client: Granite Construction Company**

**Project #: 2025-083
Date: June 10, 2026
Area Tested: Gabion Wall/ Bear Cave Rd**

Material / Source:

**Unclassified Borrow/ MP44 3" 146.5
Minus Pitrun/ Tolklart 147.3**

**Gauge: Instron 3500
Operator: Wayne Harding**

Ser: # 898

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	26-248	4"	14	Gabion Wall Backfill- East	145.8	3.9	140.3	147.3	95.3%	95%
2	26-248	4"	14	Gabion Wall Backfill- East	149.2	4.1	143.3	147.3	97.3%	95%
3	P24-0927-02	12"	1	Bear Cave Road Improvements-STA:13+00 PR	148.4	5.6	140.5	146.5	95.9%	95%
4	P24-0927-02	12"	1	Bear Cave Road Improvements-STA:13+25 CL	150.2	5.7	142.1	146.5	97.0%	95%
5	26-248	4"	15	Gabion Wall Backfill- West	146.7	4.7	140.1	147.3	95.1%	95%
6	26-248	4"	15	Gabion Wall Backfill- East	146.2	5.1	139.1	147.3	94.4%	95%