

**ASTM D6938 In-Place Density and Water Content of Soil and
Soil-Aggregate by Nuclear Methods (Shallow Depth)****Project: FTW 405 Range Control
Fort Wainwright, AK
Client: Cornerstone General Contractors****Project #: 2025-091
Date: July 18, 2026
Area Tested: Duct Bank****Material / Source:**
Pitrun/ Range Pit 143.8**Gauge: Instron 3500 Ser: # 1548
Operator: Ben Marth**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	pitrun	12"	1	Duct Bank across CL road at 1100m	143.5	4.4	137.5	143.8	95.6%	95%
2	pitrun	12"	1	Duct Bank from classroom	144.1	4.6	137.8	143.8	95.8%	95%
3	pitrun	12"	1	Duct Bank from ops storage	145.0	4.6	138.6	143.8	96.4%	95%
4	pitrun	12"	1	Duct Bank from control tower	143.7	4.1	138.0	143.8	96.0%	95%
5	pitrun	12"	2	Duct Bank from classroom	143.1	3.9	137.7	143.8	95.8%	95%
6	pitrun	12"	2	Duct Bank from ops storage	144.3	4.2	138.5	143.8	96.3%	95%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager