

**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: September 8, 2025
Area Tested: Ammo Breakroom/ Range Control Tower****Material / Source:
CF- West Pile/ Range Pit 143.8****Gauge: Instron 3500 Ser: # 898
Operator: Wayne Harding**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	CF	8	1	Ammo Breakroom (see map)	149.8	7.4	139.5	143.8	97.0%	95%
2	CF	8	1	Ammo Breakroom (see map)	150.5	7.3	140.3	143.8	97.5%	95%
3	CF	8	1	Range Control Tower (see map)	147.9	8.0	136.9	143.8	95.2%	95%
4	CF	8	1	Range Control Tower (see map)	147.4	6.2	138.8	143.8	96.5%	95%
5	CF	8	1	Range Control Tower (see map)	146.5	6.8	137.2	143.8	95.4%	95%
6	CF	8	1	Range Control Tower (see map)	149.7	8.1	138.5	143.8	96.3%	95%
7	CF	8	2	Ammo Breakroom (see map)	150.6	7.8	139.7	143.8	97.2%	95%
8	CF	8	2	Ammo Breakroom (see map)	150.8	7.4	140.4	143.8	97.6%	95%
9	CF	8	2	Range Control Tower (see map)	146.3	6.9	136.9	143.8	95.2%	95%
10	CF	8	2	Range Control Tower (see map)	145.5	5.6	137.8	143.8	95.8%	95%
11	CF	8	2	Range Control Tower (see map)	145.5	6.3	136.9	143.8	95.2%	95%
12	CF	8	2	Range Control Tower (see map)	147.9	7.0	138.2	143.8	96.1%	95%

Approved By: Stefan Mack Stefan Mack PE, Lab Manager