



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

**Project: Fairbanks Temple  
Fairbanks, AK  
Client: Westland**

**Project #: 2025-110  
Date: September 30, 2025  
Area Tested: Temple**

**Material / Source:  
Pitrun/ Van Horn 144.1**

**Gauge: Troxler 3430 Ser: # 23606  
Operator: Wayne Harding**

Test #	Soil Type	Test Depth(in)	Lift Elev	Location	Wet Density	% Moist.	Dry Density	Max Density	Percent Density	Required Density
1	pitrun	6	6	Temple (see map)	146.9	5.9	138.7	144.1	96.3%	95%
2	pitrun	6	6	Temple (see map)	150.0	7.5	139.5	144.1	96.8%	95%
3	pitrun	6	6	Temple (see map)	147.0	6.9	137.5	144.1	95.4%	95%
4	pitrun	6	6	Temple (see map)	146.9	6.6	137.8	144.1	95.6%	95%
5	pitrun	6	6	Temple (see map)	148.6	7.5	138.2	144.1	95.9%	95%
6	pitrun	6	6	Temple (see map)	147.2	6.7	138.0	144.1	95.7%	95%
7	pitrun	6	6	Temple (see map)	148.0	7.2	138.1	144.1	95.8%	95%
8	pitrun	6	6	Temple (see map)	147.9	7.9	137.1	144.1	95.1%	95%
9	pitrun	6	6	Temple (see map)	147.3	6.7	138.1	144.1	95.8%	95%
10	pitrun	6	6	Temple (see map)	146.8	5.7	138.9	144.1	96.4%	95%
11	pitrun	6	6	Temple (see map)	146.7	6.4	137.9	144.1	95.7%	95%
12	pitrun	6	6	Temple (see map)	148.3	7.0	138.6	144.1	96.2%	95%
13	pitrun	6	7	Temple (see map)	147.1	6.8	137.7	144.1	95.6%	95%
14	pitrun	6	7	Temple (see map)	147.2	7.2	137.3	144.1	95.3%	95%
15	pitrun	6	7	Temple (see map)	146.4	6.5	137.5	144.1	95.4%	95%
16	pitrun	6	7	Temple (see map)	149.3	8.3	137.9	144.1	95.7%	95%
17	pitrun	6	7	Temple (see map)	148.1	8.1	137.0	144.1	95.1%	95%
18	pitrun	6	7	Temple (see map)	147.6	7.4	137.4	144.1	95.4%	95%
19	pitrun	6	7	Temple (see map)	146.6	6.9	137.1	144.1	95.2%	95%



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20	pitrun	6	7	Temple (see map)	147.8	8.0	136.9	144.1	95.0%	95%
21	pitrun	6	7	Temple (see map)	147.6	7.4	137.4	144.1	95.4%	95%
22	pitrun	6	7	Temple (see map)	147.1	6.9	137.6	144.1	95.5%	95%
23	pitrun	6	7	Temple (see map)	149.6	7.0	139.8	144.1	97.0%	95%
24	pitrun	6	7	Temple (see map)	147.1	6.8	137.7	144.1	95.6%	95%



