

# WILDCAT DYNAMIC CONE LOG

Page 1 of 1

The Ohio Department of Transportation  
Office of Geotechnical Engineering  
1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 118690  
DATE STARTED: 01-22-2024  
DATE COMPLETED: 01-22-2024

HOLE #: D-001-0-24  
CREW: Taliaferro, Jalbrzikowski, Painter  
PROJECT: MUS-555-2.30  
LAT/LONG: 39.792163, -81.982077  
LOCATION: Muskingum County

SURFACE ELEVATION: 816.5  
WATER ON COMPLETION: Dry  
HAMMER WEIGHT: 35 lbs.  
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm <sup>2</sup>	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY	
					NON-COHESIVE	COHESIVE
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 1 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	1	4.4	•	1	VERY LOOSE	VERY SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
- 2 ft	2	8.9	••	2	VERY LOOSE	SOFT
-	7	31.1	•••••••	8	LOOSE	MEDIUM STIFF
-	9	40.0	••••••••	11	MEDIUM DENSE	STIFF
- 3 ft	8	35.5	•••••••	10	LOOSE	STIFF
- 1 m	12	53.3	••••••••••	15	MEDIUM DENSE	STIFF
-	14	54.0	••••••••••	15	MEDIUM DENSE	STIFF
- 4 ft	16	61.8	•••••••••••	17	MEDIUM DENSE	VERY STIFF
-	15	57.9	•••••••••••	16	MEDIUM DENSE	VERY STIFF
-	16	61.8	••••••~	17	MEDIUM DENSE	VERY STIFF
- 5 ft	18	69.5	••••••••••••	19	MEDIUM DENSE	VERY STIFF
-	18	69.5	••••••~	19	MEDIUM DENSE	VERY STIFF
-	19	73.3	••••••~	20	MEDIUM DENSE	VERY STIFF
- 6 ft	16	61.8	••••••~	17	MEDIUM DENSE	VERY STIFF
-	16	61.8	••••••~	17	MEDIUM DENSE	VERY STIFF
- 2 m						
- 7 ft						
-						
- 8 ft						
-						
- 9 ft						
-						
- 3 m 10 ft						
-						
-						
- 11 ft						
-						
- 12 ft						
-						
- 4 m 13 ft						

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PROJECT NUMBER: 118690  
DATE STARTED: 01-22-2024  
DATE COMPLETED: 01-22-2024

HOLE #: D-001-1-24  
CREW: Taliaferro, Jalbrzikowski, Painter  
PROJECT: MUS-555-2.30  
LAT/LONG: 39.792168, -81.982121  
LOCATION: Muskingum County

SURFACE ELEVATION: 823.8  
WATER ON COMPLETION: Dry  
HAMMER WEIGHT: 35 lbs.  
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm <sup>2</sup>	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY	
					NON-COHESIVE	COHESIVE
-	4	17.8	.....	5	LOOSE	MEDIUM STIFF
-	3	13.3	...	3	VERY LOOSE	SOFT
- 1 ft	3	13.3	...	3	VERY LOOSE	SOFT
-	2	8.9	..	2	VERY LOOSE	SOFT
-	2	8.9	..	2	VERY LOOSE	SOFT
- 2 ft	2	8.9	..	2	VERY LOOSE	SOFT
-	2	8.9	..	2	VERY LOOSE	SOFT
-	3	13.3	...	3	VERY LOOSE	SOFT
- 3 ft	5	22.2	.....	6	LOOSE	MEDIUM STIFF
- 1 m	4	17.8	.....	5	LOOSE	MEDIUM STIFF
-	5	19.3	.....	5	LOOSE	MEDIUM STIFF
- 4 ft	7	27.0	.....	7	LOOSE	MEDIUM STIFF
-	7	27.0	.....	7	LOOSE	MEDIUM STIFF
-	7	27.0	.....	7	LOOSE	MEDIUM STIFF
- 5 ft	7	27.0	.....	7	LOOSE	MEDIUM STIFF
-	10	38.6	.....	11	MEDIUM DENSE	STIFF
-	11	42.5	.....	12	MEDIUM DENSE	STIFF
- 6 ft	14	54.0	.....	15	MEDIUM DENSE	STIFF
-	17	65.6	.....	18	MEDIUM DENSE	VERY STIFF
- 2 m	20	77.2	.....	22	MEDIUM DENSE	VERY STIFF
- 7 ft	22	75.2	.....	21	MEDIUM DENSE	VERY STIFF
-	25	85.5	.....	24	MEDIUM DENSE	VERY STIFF
-	25	85.5	.....	24	MEDIUM DENSE	VERY STIFF
- 8 ft						
-						
- 9 ft						
-						
- 3 m 10 ft						
-						
-						
- 11 ft						
-						
- 12 ft						
-						
- 4 m 13 ft						



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1600 West Broad Street, Columbus, Ohio 43223

PROJECT NUMBER: 118690  
DATE STARTED: 01-22-2024  
DATE COMPLETED: 01-22-2024

HOLE #: D-003-0-24  
CREW: Taliaferro, Jalbrzikowski, Painter  
PROJECT: MUS-555-2.30  
LAT/LONG: 39.792751, -81.982194  
LOCATION: Muskingum County

SURFACE ELEVATION: 817.9  
WATER ON COMPLETION: Dry  
HAMMER WEIGHT: 35 lbs.  
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm <sup>2</sup>	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY	
					NON-COHESIVE	COHESIVE
-	5	22.2	.....	6	LOOSE	MEDIUM STIFF
-	3	13.3	...	3	VERY LOOSE	SOFT
- 1 ft	3	13.3	...	3	VERY LOOSE	SOFT
-	2	8.9	..	2	VERY LOOSE	SOFT
-	2	8.9	..	2	VERY LOOSE	SOFT
- 2 ft	2	8.9	..	2	VERY LOOSE	SOFT
-	3	13.3	...	3	VERY LOOSE	SOFT
-	3	13.3	...	3	VERY LOOSE	SOFT
- 3 ft	2	8.9	..	2	VERY LOOSE	SOFT
- 1 m	2	8.9	..	2	VERY LOOSE	SOFT
-	5	19.3	.....	5	LOOSE	MEDIUM STIFF
- 4 ft	5	19.3	.....	5	LOOSE	MEDIUM STIFF
-	6	23.2	.....	6	LOOSE	MEDIUM STIFF
-	7	27.0	.....	7	LOOSE	MEDIUM STIFF
- 5 ft	20	77.2	.....	22	MEDIUM DENSE	VERY STIFF
-	22	84.9	.....	24	MEDIUM DENSE	VERY STIFF
-	22	84.9	.....	24	MEDIUM DENSE	VERY STIFF
- 6 ft	24	92.6	.....	25+	MEDIUM DENSE	VERY STIFF
-	23	88.8	.....	25	MEDIUM DENSE	VERY STIFF
- 2 m	25	96.5	.....	25+	MEDIUM DENSE	VERY STIFF
- 7 ft	28	95.8	.....	25+	MEDIUM DENSE	VERY STIFF
-						
-						
- 8 ft						
-						
- 9 ft						
-						
- 3 m 10 ft						
-						
-						
- 11 ft						
-						
- 12 ft						
-						
- 4 m 13 ft						

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PROJECT NUMBER:	118690
DATE STARTED:	01-22-2024
DATE COMPLETED:	01-22-2024

SURFACE ELEVATION:	820.5
WATER ON COMPLETION:	Dry
HAMMER WEIGHT:	35 lbs.
CONE AREA:	10 sq. cm

DEPTH	BLOWS	RESISTANCE	GRAPH OF CONE RESISTANCE				N'	TESTED CONSISTENCY	
	PER 10 cm	Kg/cm²	0	50	100	150		NON-COHESIVE	COHESIVE
1 ft	7	31.1	.....				8	LOOSE	MEDIUM STIFF
	3	13.3	...				3	VERY LOOSE	SOFT
	2	8.9	..				2	VERY LOOSE	SOFT
	3	13.3	...				3	VERY LOOSE	SOFT
	2	8.9	..				2	VERY LOOSE	SOFT
	3	13.3	...				3	VERY LOOSE	SOFT
2 ft	2	8.9	..				2	VERY LOOSE	SOFT
	3	13.3	...				3	VERY LOOSE	SOFT
	2	8.9	..				2	VERY LOOSE	SOFT
3 ft	3	13.3	...				3	VERY LOOSE	SOFT
	2	8.9	..				2	VERY LOOSE	SOFT
	3	13.3	...				3	VERY LOOSE	SOFT
4 ft	6	23.2	.....				6	LOOSE	MEDIUM STIFF
	8	30.9	.....				8	LOOSE	MEDIUM STIFF
	7	27.0	.....				7	LOOSE	MEDIUM STIFF
	8	30.9	.....				8	LOOSE	MEDIUM STIFF
5 ft	13	50.2	.....				14	MEDIUM DENSE	STIFF
	15	57.9	.....				16	MEDIUM DENSE	VERY STIFF
	12	46.3	.....				13	MEDIUM DENSE	STIFF
6 ft	15	57.9	.....				16	MEDIUM DENSE	VERY STIFF
	13	50.2	.....				14	MEDIUM DENSE	STIFF
	14	54.0	.....				15	MEDIUM DENSE	STIFF
7 ft	18	61.6	.....				17	MEDIUM DENSE	VERY STIFF
	13	44.5	.....				12	MEDIUM DENSE	STIFF
	14	47.9	.....				13	MEDIUM DENSE	STIFF
8 ft	13	44.5	.....				12	MEDIUM DENSE	STIFF
	21	71.8	.....				20	MEDIUM DENSE	VERY STIFF
	21	71.8	.....				20	MEDIUM DENSE	VERY STIFF
9 ft	14	47.9	.....				13	MEDIUM DENSE	STIFF
	11	37.6	.....				10	LOOSE	STIFF
	16	54.7	.....				15	MEDIUM DENSE	STIFF
10 ft	19	65.0	.....				18	MEDIUM DENSE	VERY STIFF
11 ft									
12 ft									
13 ft									

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PROJECT NUMBER: 118690  
DATE STARTED: 01-22-2024  
DATE COMPLETED: 01-22-2024

HOLE #: D-005-0-24  
CREW: Taliaferro, Jalbrzikowski, Painter  
PROJECT: MUS-555-2.30  
LAT/LONG: 39.793297, -81.982317  
LOCATION: Muskingum County

SURFACE ELEVATION: 817.7  
WATER ON COMPLETION: Dry  
HAMMER WEIGHT: 35 lbs.  
CONE AREA: 10 sq. cm

DEPTH	BLOWS PER 10 cm	RESISTANCE Kg/cm <sup>2</sup>	GRAPH OF CONE RESISTANCE 0 50 100 150	N'	TESTED CONSISTENCY	
					NON-COHESIVE	COHESIVE
-	2	8.9	••	2	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 1 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	4	17.8	••••	5	LOOSE	MEDIUM STIFF
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 2 ft	3	13.3	•••	3	VERY LOOSE	SOFT
-	2	8.9	••	2	VERY LOOSE	SOFT
-	3	13.3	•••	3	VERY LOOSE	SOFT
- 3 ft	2	8.9	••	2	VERY LOOSE	SOFT
- 1 m	2	8.9	••	2	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
- 4 ft	3	11.6	•••	3	VERY LOOSE	SOFT
-	4	15.4	••••	4	VERY LOOSE	SOFT
-	5	19.3	•••••	5	LOOSE	MEDIUM STIFF
- 5 ft	7	27.0	••••••	7	LOOSE	MEDIUM STIFF
-	10	38.6	••••••••	11	MEDIUM DENSE	STIFF
-	13	50.2	••••••••••	14	MEDIUM DENSE	STIFF
- 6 ft	19	73.3	••••••••••••	20	MEDIUM DENSE	VERY STIFF
-	21	81.1	••••••••••••••	23	MEDIUM DENSE	VERY STIFF
- 2 m	30	115.8	••••••••••••••••	25+	DENSE	HARD
- 7 ft						
-						
- 8 ft						
-						
- 9 ft						
-						
- 3 m 10 ft						
-						
-						
- 11 ft						
-						
- 12 ft						
-						
- 4 m 13 ft						



