

Geophysics Field protocol

– Seismic Refraction

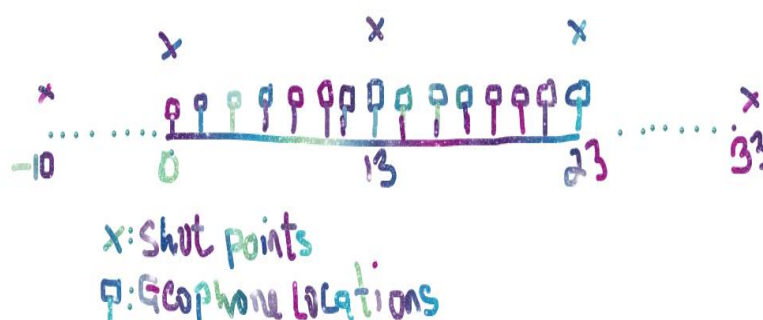
Site Location: MET Field Training site near parking lot;	Date: 8.10.2024
Geophysical Data Type / Method: P and S wave seismic refraction	Type of Project: Training Project

Surveyor	Name	Function	
	Edwin Gozie Nwaka	P and S wave seismic refraction field setup design and measurement	

Recording Environment

Weather: Sunny Temperature: - Min.: ----- - Max.: -----	Land use: Institutional	Comment: The survey was conducted to measure P and S waves from an optimized field setup design to investigate the allowable bearing pressure of the subsurface
	Vegetation: Flat grassess	
	Topography: Flat	
	Start coordinates: 51°21'10.9"N 12°25'58.8"E End co-ordinates: 51°21'11.8"N 12°25'58.8"E	

Sketch of The Survey Area



Survey Information and Settings

Instrument: Geodes (Geometrics ES-3000)	P and S-wave geophone type: 14.5Hz Geospace GS20-DX in land case	Ground coupling: Metal plate	Source Type: Hammer	Acquisition geometry: 2D line
Wave type: Pressure and shear wave	Sample Rate: 0.125ms	Record length: 0.13s	No. of stacks: 15	Gain: 1
Profile length: 23 m	Receiver spacing: 1 m	First receiver: 0 m	Last receiver: 23 m	No. of shots: 5

[illegible]