

PDHonline Course C650 (2 PDH)

Soil Identification by Visual-Manual Methods

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PDH Online | PDH Center

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VISUAL SOIL CLASSIFICATION DATA SHEET

Soil Number:	<u>Soil A</u> .
Classified by:	<u>res</u>
Date:	09-29-02

- 1. Color <u>brown</u>
- 2. Odor <u>none</u>
- 3. Texture <u>coarse</u>
- 4. Major soil constituent : gravel
- 5. Minor soil constituents: <u>Sand</u>, fines

<u>Type</u>	Approx. % b <u>weight</u>	
gravel	<u>60</u>	
<u>sand</u>	30_	
fines	<u> 10</u> .	



6. For coarse-grained soils:

Gradation: well graded
Particle Shape: subrounded

7. For fine-grained soils:

Dry Strength ______
Dilatancy _____
Plasticity
Toughness _____
Soil Symbol _____

8. Moisture Condition: <u>dry</u>.

Classification:

Brown gravel, some sand, trace fines, well graded, subrounded, dry

VISUAL SOIL CLASSIFICATION DATA SHEET

Soil Numbe	r:	<u>Soil B</u>		
Classified b	y:	RES		
Date:		<u>09-27-02</u>		
1.	Color	gray		
2.	Odor	<u>none</u>		
3.	Textur	e <u>coarse</u>		
4.	Major	soil constituer	nt:	sand
5.	Minor	soil constituer	nts: gra	avel, fine
		,	Approx.	% by
		Туре	<u>weig</u>	<u>ht</u>
		<u>sand</u>	8	<u>o</u> .
	fine c	<u>gravel</u>	1	<u>5</u>
	fin	les	<u>5</u>	·



6. For coarse-grained soils:

Gradation: <u>poorly graded.</u>

Particle Shape: rounded

7. For fine-grained soils:

Dry Strength ______ Dilatancy _____

Plasticity
Toughness _____

Soil Symbol _____

8. Moisture Condition: dry

Classification:

Gray sand, little fine gravel, trace fines, poorly graded, rounded, dry

VISUAL SOIL CLASSIFICATION DATA SHEET

Soil Number: Classified by Date:	 •	_	C	
1. 2. 3. 4. 5.	Colorgray Odornone Texture _fine-grained Major soil constituent : _fi Minor soil constituents: E	<u>ine Sand</u>		
		ox. % by eight		
6.	For coarse-grained soils: Gradation: Particle Shape:			
7.	Dilatancy Plasticity	hígh none medíum medíum	='	

Classification:

8.

Moisture Condition: __moist

Gray sílty clay, trace fine sand, medíum plasticity, moist, CL

VISUAL SOIL CLASSIFICATION DATA SHEET

Soil Numbe Classified b Date:		
1. 2. 3. 4. 5.	ColorOdor	 Approx. % by <u>weight</u>
6.	For coarse-grained soils:	
	Gradation:Particle Shape:	
7.	For fine-grained soils: Dry Strength Dilatancy Plasticity Toughness Soil Symbol	
8.	Moisture Condition:	_

Classification: