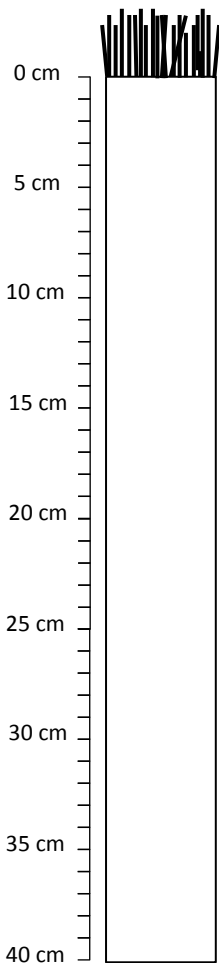


Double Spade Method

Sample Point

Record the position of structural layers below



A

Penetration Resistance ✓

Layer 1 Layer 2 Layer 3

1	Easy to insert trowel / knife	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Requires some force to insert trowel / knife	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Requires considerable force to insert trowel / knife	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

B

Redox Morphology ✓

Layer 1 Layer 2 Layer 3

1	No mottling evident	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Distinct orange mottles present	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Grey / blue zones present	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

C

Aggregate / Fragment Size ✓

Layer 1 Layer 2 Layer 3

1	Aggregates predominantly small (< 3 cm)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Aggregates predominantly large (> 5 cm)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	No aggregation, only fragments from a solid block obtainable (or single grain)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

D

Aggregate / Fragment Shape ✓

Layer 1 Layer 2 Layer 3

1	Predominantly rounded (can include granular)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Mixture of sub-angular and angular	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Predominantly angular with smooth faces (or single grain)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

E

Intra-aggregate porosity ✓

Layer 1 Layer 2 Layer 3

1	Many fine pores visible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Some cracks and fissures visible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	No pores, cracks or fissures visible	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

F

Rupture Resistance ✓

Layer 1 Layer 2 Layer 3

1	Crumbles easily between forefinger and thumb	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Requires one hand to break	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Requires considerable effort or two hands to break	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

G

Rooting ✓

Layer 1 Layer 2 Layer 3

1	Roots unrestricted and growing throughout	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Roots few, restricted or distorted	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<i>Intermediate value</i>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	No roots evident	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Layer Scores

	Score Total		Layer Score
Layer 1	<input type="text"/>	÷ 7 =	<input type="text"/>
Layer 2	<input type="text"/>	÷ 7 =	<input type="text"/>
Layer 3	<input type="text"/>	÷ 7 =	<input type="text"/>