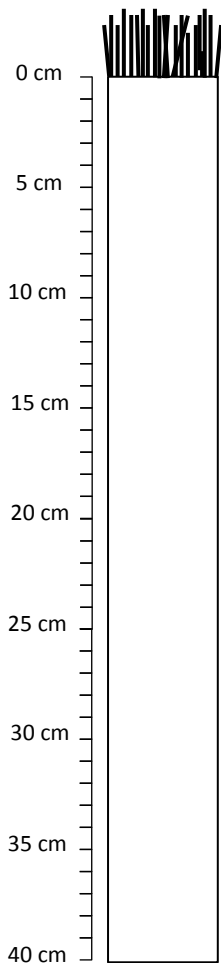


# Double Spade Method

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"/>