















# Legends for soil landscape land quality and land capability data sets

## Soil land scape land qualities







### Acidity at Surface

L1		<3% of map unit has pH <sub>Ca</sub> < 4.5
L2		3-10% of map unit has pH <sub>Ca</sub> < 4.5
M1		10-30% of map unit has pH <sub>Ca</sub> < 4.5
M2		30-50% of map unit has pH <sub>Ca</sub> < 4.5
H1		50-70% of map unit has pH <sub>Ca</sub> < 4.5
H2		>70% of map unit has pH <sub>Ca</sub> < 4.5







### Acidity at 50 to 80cm

L1		<3% of map unit has pH <sub>Ca</sub> < 4.5
L2		3-10% of map unit has pH <sub>Ca</sub> < 4.5
M1		10-30% of map unit has pH <sub>Ca</sub> < 4.5
M2		30-50% of map unit has pH <sub>Ca</sub> < 4.5
H1		50-70% of map unit has pH <sub>Ca</sub> < 4.5
H2		>70% of map unit has pH <sub>Ca</sub> < 4.5







### Subsurface Acidification Susceptibility

L1		<3% of map unit has a high susceptibility
L2		3-10% of map unit has a high susceptibility
M1		10-30% of map unit has a high susceptibility
M2		30-50% of map unit has a high susceptibility
H1		50-70% of map unit has a high susceptibility
H2		>70% of map unit has a high susceptibility

### Alkalinity at Surface

L1		<3% of map unit has pH <sub>Ca</sub> > 7
L2		3-10% of map unit has pH <sub>Ca</sub> > 7
M1		10-30% of map unit has pH <sub>Ca</sub> > 7
M2		30-50% of map unit has pH <sub>Ca</sub> > 7
H1		50-70% of map unit has pH <sub>Ca</sub> > 7
H2		>70% of map unit has pH <sub>Ca</sub> > 7

### Alkalinity at 50 to 80cm

L1		<3% of map unit has pH <sub>Ca</sub> > 7
L2		3-10% of map unit has pH <sub>Ca</sub> > 7
M1		10-30% of map unit has pH <sub>Ca</sub> > 7
M2		30-50% of map unit has pH <sub>Ca</sub> > 7
H1		50-70% of map unit has pH <sub>Ca</sub> > 7
H2		>70% of map unit has pH <sub>Ca</sub> > 7

#### Salinity at Surface

- L1  <3% of map unit has a moderate to extreme risk
- L2  3-10% of map unit has a moderate to extreme risk
- M1  10-30% of map unit has a moderate to extreme risk
- M2  30-50% of map unit has a moderate to extreme risk
- H1  50-70% of map unit has a moderate to extreme risk
- H2  >70% of map unit has a moderate to extreme risk

#### Salinity Hazard

- L1  <3% of map unit has a moderate hazard
- L2  3-10% of map unit has a moderate hazard
- M1  10-30% of map unit has a moderate hazard
- M2  30-50% of map unit has a moderate hazard
- H1  50-70% of map unit has a moderate hazard
- H2  >70% of map unit has a moderate hazard

#### Water Repellence Susceptibility

- L1  <3% of the map unit has a high susceptibility
- L2  3-10% of the map unit has a high susceptibility
- M1  10-30% of the map unit has a high susceptibility
- M2  30-50% of the map unit has a high susceptibility
- H1  50-70% of the map unit has a high susceptibility
- H2  >70% of the map unit has a high susceptibility

#### Physical Crop Rooting Depth

- L1  <3% of map unit has a very shallow to shallow rooting depth
- L2  3-10% of map unit has a very shallow to shallow rooting depth
- M1  10-30% of map unit has a very shallow to shallow rooting depth
- M2  30-50% of map unit has a very shallow to shallow rooting depth
- H1  50-70% of map unit has a very shallow to shallow rooting depth
- H2  >70% of map unit has a very shallow to shallow rooting depth

#### Soil Water Storage

- L1  <3% of the map unit has an extremely low to low capacity
- L2  3-10% of the map unit has an extremely low to low capacity
- M1  10-30% of the map unit has an extremely low to low capacity
- M2  30-50% of the map unit has an extremely low to low capacity
- H1  50-70% of the map unit has an extremely low to low capacity
- H2  >70% of the map unit has an extremely low to low capacity

#### Subsurface Compaction Susceptibility

- L1  <3% of the map unit has a high susceptibility
- L2  3-10% of the map unit has a high susceptibility
- M1  10-30% of the map unit has a high susceptibility
- M2  30-50% of the map unit has a high susceptibility
- H1  50-70% of the map unit has a high susceptibility
- H2  >70% of the map unit has a high susceptibility

#### Site Drainage Potential

- L1  <3% of map unit has very poor to poor potential
- L2  3-10% of map unit has very poor to poor potential
- M1  10-30% of map unit has very poor to poor potential
- M2  30-50% of map unit has very poor to poor potential
- H1  50-70% of map unit has very poor to poor potential
- H2  >70% of map unit has very poor to poor potential

#### Waterlogging and Inundation Risk

- L1  <3% of map unit has a moderate to very high risk
- L2  3-10% of map unit has a moderate to very high risk
- M1  10-30% of map unit has a moderate to very high risk
- M2  30-50% of map unit has a moderate to very high risk
- H1  50-70% of map unit has a moderate to very high risk
- H2  >70% of map unit has a moderate to very high risk













#### Flood Hazard

- L1  <3% of the map unit has a moderate to high hazard
- L2  3-10% of the map unit has a moderate to high hazard
- M1  10-30% of the map unit has a moderate to high hazard
- M2  30-50% of the map unit has a moderate to high hazard
- H1  50-70% of the map unit has a moderate to high hazard
- H2  >70% of the map unit has a moderate to high hazard













#### Water Erosion Hazard

- L1  <3% of the map unit has a very high to extreme hazard
- L2  3-10% of map unit has a very high to extreme hazard
- M1  10-30% of map unit has a very high to extreme hazard
- M2  30-50% of map unit has a very high to extreme hazard
- H1  50-70% of map unit has a very high to extreme hazard
- H2  >70% of map unit has a very high to extreme hazard













Wind Erosion Hazard

- L1   <3% of the map unit has a high to extreme hazard
- L2   3-10% of map unit has a high to extreme hazard
- M1   10-30% of map unit has a high to extreme hazard
- M2   30-50% of map unit has a high to extreme hazard
- H1   50-70% of map unit has a high to extreme hazard
- H2   >70% of map unit has a high to extreme hazard













Land Instability Hazard

- L1   <3% of map unit has a moderate to high hazard
- L2   3-10% of map unit has a moderate to high hazard
- M1   10-30% of map unit has a moderate to high hazard
- M2   30-50% of map unit has a moderate to high hazard
- H1   50-70% of map unit has a moderate to high hazard
- H2   >70% of map unit has a moderate to high hazard













Ease of Excavation

- L1   <3% of the map unit has a very low to low risk
- L2   3-10% of the map unit has a very low to low risk
- M1   10-30% of the map unit has a very low to low risk
- M2   30-50% of the map unit has a very low to low risk
- H1   50-70% of the map unit has a very low to low risk
- H2   >70% of the map unit has a very low to low risk

Microbial Purification







- L1   <3% of the map unit has a very low to low risk
- L2   3-10% of the map unit has a very low to low risk
- M1   10-30% of the map unit has a very low to low risk
- M2   30-50% of the map unit has a very low to low risk
- H1   50-70% of the map unit has a very low to low risk
- H2   >70% of the map unit has a very low to low risk

Phosphorus Export Hazard







- L1   <3% of map unit has a high to extreme hazard
- L2   3-10% of map unit has a high to extreme hazard
- M1   10-30% of map unit has a high to extreme hazard
- M2   30-50% of map unit has a high to extreme hazard
- H1   50-70% of map unit has a high to extreme hazard
- H2   >70% of map unit has a high to extreme hazard

## Land capability (water not considered)







### Annual Horticulture (water not considered)

- A1  >70% of Land has high capability
- A2  50-70% of Land has high capability
- B1  >70% of Land has moderate to high capability
- B2  50-70% of Land has moderate to high capability
- C1  50-70% of Land has low capability
- C2  >70% of Land has low capability







### Dryland Cropping

- A1  >70% of Land has high capability
- A2  50-70% of Land has high capability
- B1  >70% of Land has moderate to high capability
- B2  50-70% of Land has moderate to high capability
- C1  50-70% of Land has low capability
- C2  >70% of Land has low capability







### Grazing

- A1  >70% of Land has high capability
- A2  50-70% of Land has high capability
- B1  >70% of Land has moderate to high capability
- B2  50-70% of Land has moderate to high capability
- C1  50-70% of Land has low capability
- C2  >70% of Land has low capability

### Perennial Horticulture (water not considered)

- A1  >70% of Land has high capability
- A2  50-70% of Land has high capability
- B1  >70% of Land has moderate to high capability
- B2  50-70% of Land has moderate to high capability
- C1  50-70% of Land has low capability
- C2  >70% of Land has low capability

### Vineyards

- A1  >70% of Land has high capability
- A2  50-70% of Land has high capability
- B1  >70% of Land has moderate to high capability
- B2  50-70% of Land has moderate to high capability
- C1  50-70% of Land has low capability
- C2  >70% of Land has low capability