

Soil Hydrology

Sample No: 1319

Map No: 6

Date: 2nd July 2009

Area / town: Letterkenny

County: Donegal

Northing: xxxx

Easting: xxxx

Elevation: 38m

Magnitude and direction
of change: na

Site location in field: xx

Soil Type:

Special characteristics: —

Farmer's name: xx

Site type:
(All that apply)
☒

Grass

☐

Arable

☐

Peat

☐

Forest

☐

Fallow

Arable crop name ... Perennial Rye-grass

Grass:

☐

Good

☐

Fair

☐

Poor

☐

Rough

Slope:

☐
Flat
(1°)
☐
Undulating
(2 – 6°)
☐
Rolling
(7- 12°)
☐
(Steep)
(13° +)

Soil Texture:

☐

Sand

☐

Loam

☐

Fine

☐

Peat

☐

Clayey

Soil colour: brown

Water Table

Is there any evidence to suggest a high water table?

No

Is there surface water in the field or are there signs of recent surface water?

No

Is there any evidence to the soil been recently water logged

some orange bits/mottelling

Any other observations?

Seems to be some straw at 5cm in parts, assume its dung/straw been spread

Soil Profile

Is there an organic layer present, if so what is the depth?

Describe all other profiles present using the box below to sketch the profile

	Profile 1		Profile 2		Profile 3	
Layer	1	2	1	2	1	2
Depth	0-22	22-30	0-28	28-30	0-21	21-30
Texture	Fine	More clay/ sticky	fine/clay	More clay	fine/clay	More clay
Colour	Brown	Yellow	Brown	Yellow	Brown	Yellow bits of grey
Gravel	Not much stone	No	Little stone	No	No	No
Roots	Grass 0-5	No	Yes grass	No	Yes grass	No
Earthworm	1	No	1	No	1 to 2	
Iron Pan?						
Other comments		More clay. Rolls into a ball				

Not that many roots at this site

Site Photos



Site



Trench 1



1A



1B



1C



Trench 1 Profile



Trench 2



2A



2B



2C



2C Profile



Trench 3



3A



3B



3C



3C Profile

Infiltration Rates



