# Soil Hydrology

Sample No:1319 Date: 2 <sup>nd</sup> July 2009		Map No: 6					
Area / town: Letterkenny County: Donegal Northing: xxxx Elevation: 38m Magnitude and direction of change: na		Easing: xxxx					
Site location in fi	eld: xx						
Soil Type: Special characteri Farmer's name:	stics: xx	_					
Site type: (All that apply)	X Grass	Arable Pe	at Fores	st Fallow			
Arable crop name	Perenn	ial 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









Trench 1 Profile



Trench 2









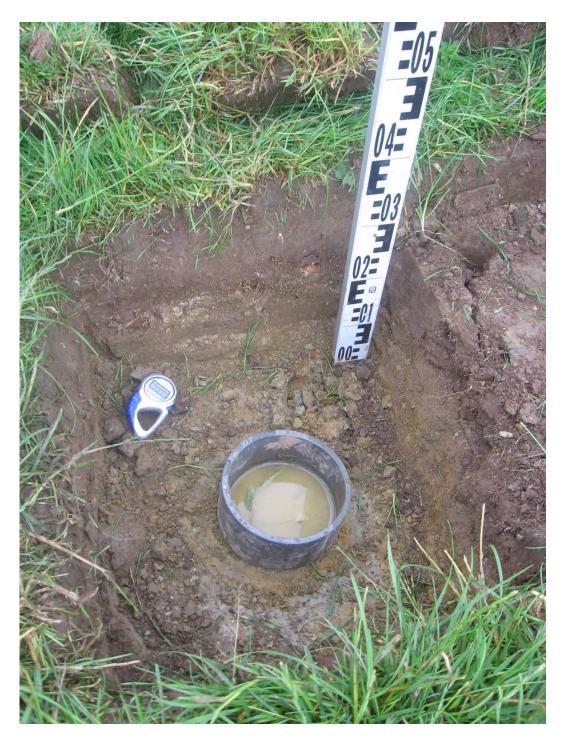
2C Profile











3C Profile

## **Infiltration Rates**

