

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S33_2018		
Sampling date	06.07.2018		
Location ID	Cockle Park Farm		
Sample description	Surface Water		
Sample Source	Surface Water		
Label	SW		
Latitude	55.207937		
Longitude	-1.68463		
Sea Level (mAOD)	93.54		
Depth below ground (m)	0		
pH			
Temp (degC)			
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)			
Alkalinity (mg/L CaCO3)			
Faecal Coliforms (count/100ml)	101	0	Y
Aluminium (mg/l)	0.142	0.2	N
Ammonium (mg/l)	0.053	<i>Not of health concerns at levels found in drinking water</i>	N
Antimony (mg/l)	0.005	0.02	N
Arsenic (mg/l)	0.005	0.01	N
Barium (mg/l)	0.052	1.3	N
Bromide (mg/l)		6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	30.913	100-300	N
Chloride (mg/l)	40.567	250	N
Chromium (mg/l)	0.001	0.05	N
Copper (mg/l)	0.003	2	N
Fluoride (mg/l)	0.460	1.5	N

Iron (mg/l)	0.239	2	N
Lead (mg/l)	0.005	0.01	N
Magnesium (mg/l)	6.022	<i>Not of health concerns at levels found in drinking water</i>	N
Manganese (mg/l)	0.017	0.4	N
Nickel (mg/l)	0.002	0.07	N
Nitrate (mg/l) (HACH)	1.439	50	N
Nitrate.1 (mg/l) (Ion Chrom)	1.115	50	N
Nitrite (mg/l) (HACH)	0.053	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.201	3	N
Phosphate (mg/l)	0.629	<i>Not of health concerns at levels found in drinking water</i>	N
Potassium (mg/l)	3.493	<i>Not of health concerns at levels found in drinking water</i>	N
Silicon (mg/l)	1.421	<i>Not of health concerns at levels found in drinking water</i>	N
Sodium (mg/l)	19.070	200	N
Strontium (mg/l)	0.138	4	N
Sulphate (mg/l)	24.087	500	N
Zinc (mg/l)	0.002	<i>Not of health concerns at levels found in drinking water</i>	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	0.729		
UV abs 210 (cm-1)	0.550		
UV abs 220 (cm-1)	0.445		
UV abs 230 (cm-1)	0.376		
UV abs 254 (cm-1)	0.278		
UV abs 260 (cm-1)	0.260		
UV abs 280 (cm-1)	0.196		
UV abs 300 (cm-1)	0.132		
Total Coliforms (total count)	835		

<b>Putative Pathogens - Human E.coli (total count)</b>			
<b>Putative Pathogens - Total E.coli (total count)</b>			
<b>Putative Pathogens - Total Coliform (total count)</b>			
<b>Total Bacteria (total count)</b>			
<b>Enterococci (count/100ml)</b>			
<b>Contaminants</b>	High faecal coliform count;		
<b>Health Effects</b>	Faecal contamination can lead to vomiting and diarrhoea. Pathogens such as E coli, hepatitis and salmonella can cause severe health effects ;		
<b>Treatments</b>	Faecal treatment - Heat water to a rolling boil and then allow to cool naturally, chemical disinfection, coagulation, distillation, reverse osmosis, slow sand filtration or solar disinfection;		