

APPENDIX 1

**HABITAT DESCRIPTION AT INVERTEBRATE/WATER QUALITY SAMPLING
SITES**

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SITE CODE	A	B	C	D	E
DATE OF ASSESSMENT	22/07/04	22/07/04	12/07/04	12/07/04	12/07/04
SITE LOCATION	c.200m upstream of facility	Just upstream of facility boundary, & upstream of v. small drain from south.	Just downstream of facility boundary and downstream of small drain from south	Just downstream of facility and just upstream of confluence with drain flowing under road.	c.550m downstream of facility, just upstream of confluence with Glanooragh River
River	Aghacureen Drain	Aghacureen Drain	Aghacureen Drain	Aghacureen Drain	Aghacureen Drain
Irish Grid Square Identification	V	V	V	V	V
Irish Grid Reference Eastings	9342	9357	9359	9374	9402
Irish Grid Reference Northings	9380	9384	9385	9395	9432
Width (m)	0.25	0.75	0.75	0.75	1
Depth (cm)	4	8	5	12	4
Substrate (components numbered in order of dominance)					
Bed Rock	1				
Large rocks					
Cobble	2				1
Gravel/pebble					
Sand					
Mud	3	1	1	1	2
Siltation			Heavy deposits of flocculated material. Oil contamination evident.		Yes
Flow type					
% cascade					
% riffle			2		30
% glide		100	98	100	70
% pool					
% trickle	100				
Conductivity (uS)	120	280	180	500	390
Dissolved Oxygen % Saturation	89.5	8.6	17.0	56	84.3
Temperature	15.1	17.2	14.6	16.0	15.5

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SITE CODE	A	B	C	D	E
Dominant bankside vegetation	Alder, rush, gorse, spruce	Grass. Gorse, rush, spruce	Elder, birch, spruce	Alder, sycamore, bramble	Hazel
Estimated summer cover of stream by bankside vegetation (High, Medium, Low, None)	High	Medium	High	Medium	Low
Fish Habitat Assessment					
Salmonid adult habitat at site	None	None	None	None	None - Poor
Salmonid nursery habitat at site	None	None	None	None	Fair
Salmonid spawning habitat at site	None	None	None	None	Fair
Instream vegetation (% cover)					
Agrostis stolonifera	10			40	
Glyceria fluitans		30			
Sparganium erectum		5			
Callitriche sp.				5	5
Moss					10
Filamentous algae				1-2	3
Q-rating	3	1-2	1-2	1-2	3

SITE CODE	1	2	3	4
DATE OF ASSESSMENT	12/07/2004	12/07/2004	12/07/2004	12/07/2004
SITE LOCATION	Just upstream of confluence with Aghacureen Drain	Just downstream of confluence with Aghacureen Drain	Glanooragh River c.1km downstream of confluence with Aghacureen Drain	Glanooragh River c.4km downstream of confluence with Aghacureen Drain
River	Glanooragh River	Glanooragh River	Glanooragh River	Glanooragh River
Irish Grid Square Identification	V	V	V	V
Irish Grid Reference Eastings	9399	9407	9493	9569
Irish Grid Reference Northings	9436	9435	9433	9643
Width (m)	1.5	02-Mar	6	6
Depth (cm)	5 - 12	5 - 10	12	20
Substrate (components numbered in order of dominance)				
Bed Rock				
Large rocks				4
Cobble	1	1	1	1
Gravel/pebble	2	2	3	3
Sand	3			
Mud	4	3	2	2
Siltation			Heavy	
Flow type				
% cascade				
% riffle	50	70	60	5
% glide	50	30	40	95
% pool				
% trickle				
Conductivity (uS)	240	290	280	240
Dissolved Oxygen % Saturation	92.7	92.8	77.5	86.3
Temperature	14.6	14.6	16.2	14.8

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SITE CODE	1	2	3	4
Dominant bankside vegetation	Hazel	Hazel	Elder, alder, hawthorn	Alder
Estimated summer cover of stream by bankside vegetation (High, Medium, Low, None)	High	High	Medium	Medium
Fish Habitat Assessment				
Salmonid adult habitat at site	Poor	Fair	Fair	Fair - Good
Salmonid nursery habitat at site	Good	Good	Good	Fair - Good
Salmonid spawning habitat at site	Fair	Fair	Fair	Poor - Fair
Instream vegetation (% cover)	None		None	
Agrostis stolonifera				
Glyceria fluitans				<5
Sparganium erectum				
Callitriche sp.				<5
Moss				<5
Filamentous algae				
Q-rating	3	3	3	3

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APPENDIX 2

**CHEMICAL SURFACE WATER QUALITY DATA
(SUPPLIED BY RPS-MCOS)**

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