Criteria	What this means practically	Scoring Method	Score
a) Access to the potential	It is important to be able to get to and from the site easily.	Up to 50m from 'A' Road	5
treatment site (closest	The ideal form of access would be directly off a public highway and without	Up to 50m from 'B' road	4
boundary)	too many tight twists and turns.	Up to 50m from unclassified road	3
boundary)	too many tight twicto and turno.	Up to 50m from a track	2
		Greater than 50m from anything	1
		Groater than both from anything	'
b) Closeness to housing and	The sites which are further away from houses where people live would be	500m+ from a building	5
businesses (from site boundary	optimal.	400-499m from a building	4
to nearest building)		300-399m from a building	3
		200-299m from a building	2
		Lower than 199m from a building	1
c) Distance from the mine water	The further from the discharge point, the more complex and expensive the	Lower than 500m	5
discharge point to the potential	scheme becomes.	501-1000m	4
treatment area (closest	Therefore, sites closer to the discharge point would be optimal.	1001-1500m	3
boundary to discharge point)	Therefore, ence closer to and discrimings point modification	1501-2000m	2
boundary to disoriarge pointy		2001-2500m	1
		2001 2000	•
d) Pumping costs and carbon	Pumping mine water is expensive and uses energy. To reduce costs and	Lower than the discharge elevation	5
footprint (average across	the carbon footprint of the proposed scheme we would prefer to transfer	0-33m above the discharge elevation	4
elevation the whole area)	the water via gravity flow. Therefore a downhill pipeline from the discharge	34-66m above the discharge elevation	3
,	point to the treatment site would be preferred.	67-100m above the discharge elevation	2
		101+m above the discharge elevation	1
e) Site size	would be preferred as this gives us extra space for landscaping and planting.		
Caplecleugh and Rampgill		Greater than 7.5 hectares (plenty of scope to shape & landscape)	5
(flow: 30 litres per second – subject to		Between 5 and 7.5 hectares (some flexibility for shape)	4
change following further data		Between 2.5 and 5 hectares (limited flexibility in shape)	3
collection)		Between 1.8 hectares and 2.5 hectares (very little flexibility in shape)	2
		Lower than 1.8 hectares (not suitable for whole flow)	1
Caplecleugh only		Greater than 6 hectares (plenty of scope to shape & landscape)	5
(flow: 20 litres per second – subject to		Between 4 and 6 hectares (some flexibility for shape)	4
change following further data		Between 2 and 4 hectares (limited flexibility in shape)	3
collection)		Between 1.2 hectares and 2 hectares (very little flexibility in shape)	2
,		Lower than 1.2 hectares (not suitable for whole flow)	1
Rampgill only		Greater than 4 hectares (plenty of scope to shape & landscape)	5
(flow: 10 litres per second- subject to		Between 2.0 and 4.0 hectares (some flexibility for shape)	1 1
change following further data		Between 1.0 and 2.0 hectares (limited flexibility in shape)	2
collection)		Between 1.0 and 2.0 nectares (inflited flexibility in shape) Between 0.6 hectares and 1.0 hectares (very little flexibility in shape)	2
		Lower than 0.6 hectares (not suitable for whole flow)	1
Haggs		Greater than 4 hectares (plenty of scope to shape & landscape)	5
		Between 3 and 4 hectares (some flexibility for shape)	4
(flow: 15 litres per second – subject to			
(flow: 15 litres per second – subject to change following further data		Between 1.5 and 3 hectares (limited flexibility in shape)	3
(flow: 15 litres per second – subject to			3 2

	Criteria	What this means practically	Scoring Method	Score			
f)	Current and previous land use -		No potential contaminative land use	5			
	ease of construction (average	Greenfield sites with no history of contamination	Potential contamination on less than 25% of the site area	4			
	across the whole area)	would be optimal as costs will be lower.	Potential contamination on between 26-50% of the site area	3			
	,		Potential contamination on between 51-75% of the site area.	2			
			Potential contamination on between 76-100% of the site area.	1			
g)	Degree of slope (average	Sites that were too steep to be feasible have been left off the Long List.	Ideal slope (1:25) or flat site	5			
	across the whole area)	From the sites left, sites with a gentle slope to allow the water to flow down	Minor re-profiling (Slope 1:20-1:24)	4			
		by gravity would be optimal.	Some re-profiling necessary (Slope 1:17-1:19)	3			
			Significant re-profiling required (Slope 1:14-1:16)	2			
			Major re-profiling required (Slope 1:11 – 1:13)	1			
h)	Ecological issues (average	The site with the least amount of ecological issues would be preferred.	No obvious ecological constraint	5			
11)	across the whole area)	The site with the least amount of ecological issues would be preferred.	No obvious ecological constraint	5			
	•		Habitat suitable for one or more protected/notable species or S41 habitat	4			
			present within 25m of a non-statutory designated site				
			Habitat suitable for one or more protected/notable species and S41 habitat	3			
			present or in a non-statutory designated site	Ü			
			Habitat suitable for one or more protected species and S41 habitat present	2			
			(or non-statutory site) and one or more records of a protected/notable				
			species within or within 50m				
			Habitat suitable for one or more protected species and S41 habitat present	1			
			and one or more records of a protected/notable species within or within				
			50m and within a non-statutory designated site				
i)	Flood risk - surface water	The sites with the lowest risk of flooding would be preferred.	No risk of flooding	5			
	flooding (average across the		Greater than 0% to 25% of site at risk of possible surface water flooding	4			
	whole area)		26-50% of site at risk of possible surface water flooding	3			
			51-75% of site at risk of possible surface water flooding	2			
			76-100% of site at risk of possible surface water flooding	1			
i)	Route of the pipeline to transfer	The more complicated the pipe route, the more complex, disruptive and	Up to 500m	5			
J)	the mine water to the potential	expensive it becomes. The most direct route which involves the least	Up to 750m	J			
	treatment area and then from	number of landowners would be optimal. As an indication to determine	Up to 1000m	3			
			Up to 1500m	2			
	the potential treatment area to a	pipe lengths we have followed the roads as far as possible to the potential		2			
	nearby watercourse. (total pipe	areas. We have taken the most direct route to a nearby watercourse. If a	1500m+	1			
	length)	watercourse is already crossing the area we have not included a discharge					
		pipeline length.					
k)	Visual impact	The sites which are less overlooked by houses, footpaths or roads	Not overlooked	5			
"	riodai iiripaot	would be optimal.	Overlooked by traffic on a public highway/users of a footpath but no	4			
		Would be optimal.	properties	1			
			Overlooked by 5 properties	3			
			Overlooked by 10 properties	2			
			Overlooked by 20 properties	1			