

ANALYSIS OF THE COSTS AND BENEFITS OF ALTERNATIVE SOLUTIONS FOR RESTORING BIODIVERSITY

Defra Competition Code: WC0758/CR0444

Appendix 2. Scoping form sent to case study representatives to assess importance of ecosystem benefits under the two scenarios at the case study sites

In order to evaluate and select appropriate ecosystem services for the research we conducted an initial scoping review with each case study. Representatives were asked the following question: “This is to assess which ecosystem services are important at your site under a business-as-usual scenario (e.g. before the landscape-scale management was implemented), and which ecosystem services are expected to be important in the future as a result of your landscape scale vision. This is just an estimation which will help us to identify which ecosystem services it may be most beneficial to value and map. We have set a ‘future’ date of 2060, and whilst we appreciate that the vision may take longer than that to become established, we would like to be able to compare each of our case studies at the same point in time.”

Case study representatives were asked to complete the scoping table (Figure 2), providing a rating between 0 – 5 for each service at their site.

Importance rating (0 - 5)
0 = not relevant at the site
1 = of very limited importance
2 = of limited importance
3 = of moderate importance
4 = of high importance
5 = of very high importance

	Benefit	For example	Estimate future importance under a business-as-usual scenario 2060 (0-5)	Estimate future importance in landscape vision 2060 (0-5)
1	Food	Wild foods		
		Cultivated foods		
		Livestock		
		Game		
		Fish		
		Other (please specify)		
2	Raw materials / fibre	Timber		
		Plant fibre (e.g. straw)		
		Skins, leather etc.		

		Wool		
		Other (please specify)		
3	Energy / fuel	Firewood		
		Biofuel crop		
		Hydroelectric energy		
		Other (please specify)		
4	Fresh water provision	Fresh water reservoir / extraction		
5	Flood protection	Flood prevention, surface water runoff		
6	Property	Property value as a result of presence of site		
7	Nature-based recreation/tourism	Walking		
		Horse riding		
		Cycling		
		Climbing		
		Nature-watching		
		Fishing		
		Hunting		
		Boating, water sports		
		Swimming		
		Camping		
		Picnicking		
		Pleasure driving		
		Air sports (kite flying, hand gliding etc.)		
		Other (please specify)		
8	Aesthetic benefits, Spiritual/cultural wellbeing	Pleasure from aesthetically pleasing landscape		
		Spiritual values, cultural and heritage values		
9	Knowledge	Research		
		Education		
10	Carbon storage	Carbon storage capacity of landcover types		