APPENDIX D: Example calculations for HPI

D1. Simple example of computation of eco-quality score for land cover type (hypothetical)

Hypothetical HPI parameter	Type	Additional parameter weight	Farm score	Total score possible
1	Structural/functional		1	1
2	Structural/functional		0.5	1
3	Management	34	1	1
4	Management	19	0	1

	Management Score	Structural/functi	Overall
Eco-quality score algorithm:	0.64	0.75	6.78
(See Eq. 1 in Main Report)			*multiplied by 10*

D2. Example of computation of overall HPI score (hypothetical)

Aggregated HPI Score

	Land Cover Type	Acreage	Eco-weight	Eco-quality Score		Calculation
Cultivated	Corn	20	1	7	140	
	Soybeans	10	1	8	80	
					220	**Total Cultivated Score**
					73%	**% Realized HPI, Aggregated Score**
Non-cultivated	Deciduous Forest	14	3	4	168	
	Natural wetland	1	5	9	45	
	Pasture	10	2	6	120	
					333	**Total Non-Cultivated Score**
					50%	**% Realized HPI, Aggregated Score**