



Characterisation

Hydro-Morphology Risk Assessments

Pressures and Impact Assessment

- Development of UK Technical Advisory Group guidance (water resources & morphology) = Pressures & Thresholds
- Higher thresholds for pHMWB (“at risk” & substantial physical alteration)
- Application using a number of approaches
 - Hydromorphology Assessment Methods (River Habitat Survey, RHS)
 - Expert Judgement (local staff – Ecologists, Hydrologists Environment Protection Officers)
 - Map based approach – UK TAG

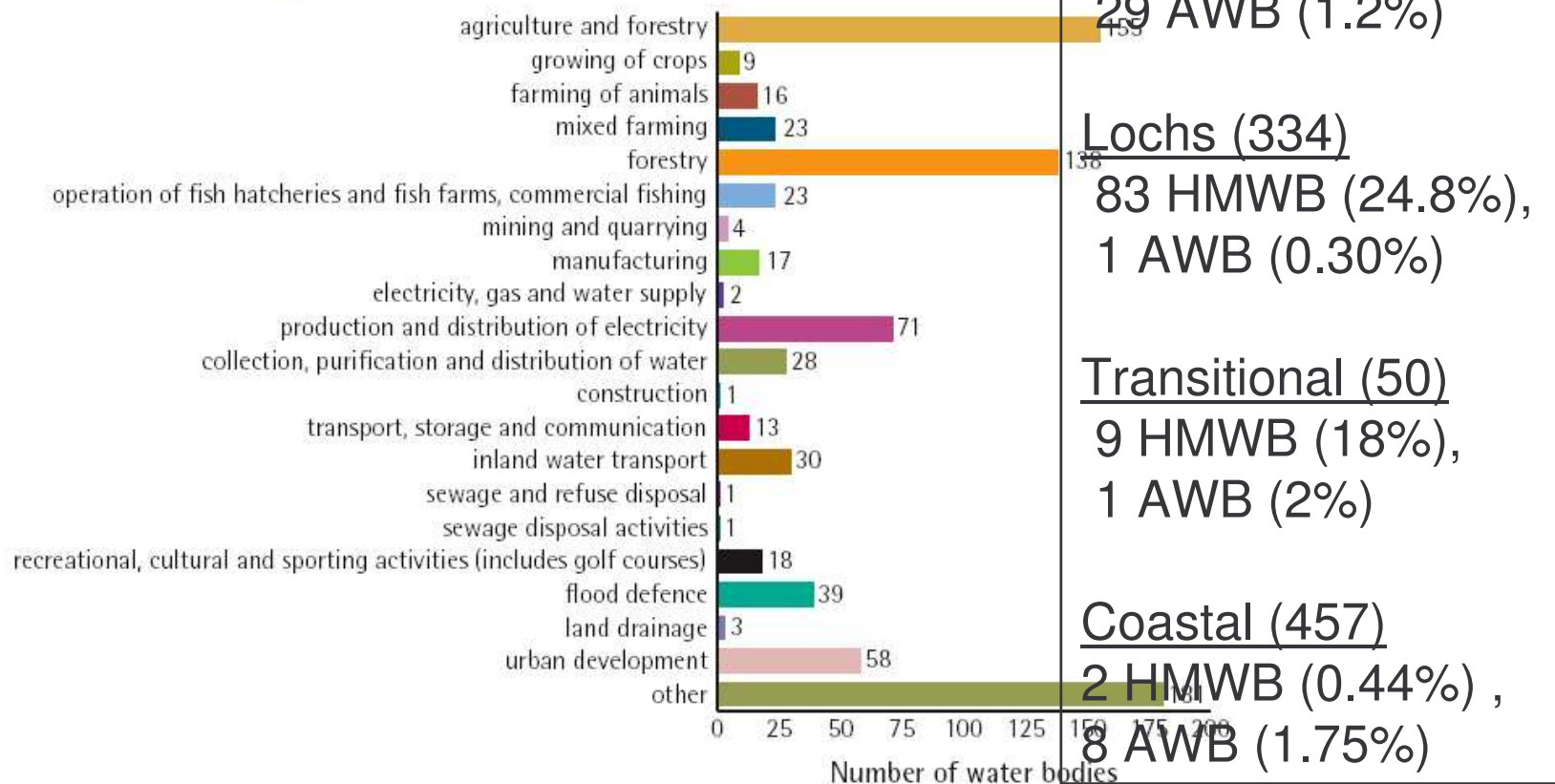
Characterisation report: December 2004

Table 17: River water bodies affected by morphological alterations

	Reporting category	Number of water bodies	% of number	Length (km)	% of length
Rivers	1a	275	13.7	2712	13.0
	1b	392	19.6	4427	21.3
	2a	146	7.3	1638	7.9
	2b	1192	59.5	12045	57.9
Total		2005	100	20822	100
Total at risk		667*	33.3	7139	34.3

*A total of 227 and 29 river water bodies have been provisionally identified as HMWB and AWB, respectively. Canals are AWB.

Figure 14: General industry sectors affecting 1a and 1b river water bodies (morphological alterations)



HMWB's - Future Work (2004+)

Finalisation of provisional Risk Assessments

- Jan/Feb 04

Validation of Risk Assessments

- River Habitat Survey (RHS)
- Geomorphological survey
- Engineering
- Catchment pressures

Provisional designation of HMWB's in SWMI report (obvious HMWB's)

Assessment of restoration/mitigation potential/options (SWMI & draft RBMP)

Application of designation assessment (proformas and guidance developed for draft RBMP)