Appendix A - Glossary and Acronyms

Area of Outstanding Natural Beauty (AONB)	Areas designated under the National Parks and Access to the
	Countryside Act 1949 as being of high scenic quality. Development in
	AONBs is controlled by Local Planning Authorities and is generally
	afforded a higher level of control than surrounding areas. AONBs are
	also subject to 'management plans' for the purpose of enhancing
	natural beauty.
	A permeable geological stratum or formation that is capable of both
Aquifer	storing and transmitting water in significant amounts.
	An agreed plan for any habitat or species, arising from the UN
Biodiversity Action Plan (BAP)	Biodiversity Convention, that forms part of the UK's commitment to
Flall (BAF)	biodiversity. BAPs are statutory documents.
	European Community Directive (79/409/EEC) on the conservation of
Di I Di di	wild birds, which provided for Special Protection Areas (SPAs).
Birds Directive	Statutory protection for SPAs is given under the Conservation
	(Natural Habitats, etc.) Regulations (1994).
	An internationally important site for habitats and/or species,
	designated as required under the EC Habitats Directive. A cSAC is a
Candidate Special	candidate site, but is afforded the same status as if it were confirmed.
Area for Conservation	SACs are protected for their internationally important habitat and non-
(cSAC)	bird species. They also receive SSSI designation under The
	Countryside and Rights of Way (CRoW) Act 2000; and The Wildlife
	and Countryside Act 1981 (as amended).
	The Environment Agency's short, medium and long-term programme
Capital Plan	for capital engineering schemes (including flood defences) over the
	next 3 – 10 years.
	The area drained by a particular river. A surface water catchment is
Cotok	the area defined by the highest boundary between two catchments
Catchment	whilst a groundwater catchment is the area that contributes to the
	groundwater component of the river flow.

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Catchment Abstraction	Environment Agency documents outlining the availability and
Management Plans (CAMS)	pressures on water resources in a catchment.
Catchment Flood	A catchment-wide strategic planning framework for the integrated
Management Plan	management of flood risks to people and the developed and natural
(CFMP)	environment in a sustainable manner.
	The outputs of the CFMP, which are the stated policies for flood risk
Catchment Policies	management within a defined flood risk area.
Centre for Ecology	The national research centre responsible for developing
and Hydrology	understanding on ecology and hydrology and related issues. Formerly
(CEH)	the Institute of Hydrology, CEH is funded by the National
	Environmental Research Council (NERC).
	The plan setting out the CFMP consultation programme, as well as
Communication Plan	specific arrangements for internal (Environment Agency) and external
Pian	consultation.
	These are areas, usually in towns and villages, where the character
	of buildings and other public spaces is of "special architectural or
Conservation Areas	historical interest". Such areas are defined by the Local Planning
	Authorities and are afforded different development controls to open
	countryside and built up areas not under this definition.
	A group of consultees representative of the stakeholders with an
Consultation Group	interest in the development of CFMP and its final policies.
	Non-statutory sub-divisions of England, as defined under the
On continue to be	Countryside Agency's Countryside Character Initiative. There are 159
Countryside Character Areas	Character Areas in England, each with a broadly cohesive
	countryside character and specific ecological and landscape issues.
	Primary legislation which came into force on 30 th January 2001 and
Countryside and	provides additional protection and management procedures for nature
Rights of Way	conservation sites and landscape designations. Also introduces
(CRoW) Act 2000	provisions for access to the countryside.
	A charity dedicated to the protection and enhancement of rural
Council for the	England. In terms of natural environment, planning, transport, farming
Protection of Rural	and food, rural economies and the quality, character and diversity of
England (CPRE)	the countryside.
	Stretches of non-main watercourse that have been defined as critical
Critical Ordinary	in terms of flood risk management through consultation between the
Watercourses (COWs)	
, ,	Environment Agency and Local Authorities.
DEFRA	Department for Environment, Food and Rural Affairs.

Defra High Level Targets	High-level targets prepared by the then Ministry of Agriculture Food and Fisheries (now Defra) to facilitate the delivery of its flood and coastal defence aims and objectives. The targets have been in operation since November 1990. Programmes included the development of Shoreline Management Plans (SMPs) and Water Level Management Plans (WLMPs).
Defra PAG3 document	Defra's Project Appraisal Guidance (PAG) documents set out the criteria which determine whether or not a scheme is eligible for grant aid. PAG 3 relates to economic appraisal (based on cost of the scheme verses the damages that the scheme will avoid). The other PAG documents are: Overview Strategic Planning and the Appraisal and Approaches to Risk Environmental Appraisal.
DG5 register	Register held by water companies on the location of properties at risk of sewage flooding problems.
Digital Elevation Model (DEM)	A dataset representing the topography of an area, usually in the form of an electronic map, A DEM includes ground cover and structures, such as buildings, or man made structures and vegetation.
Digital Terrain Model (DTM)	A dataset representing the bare earth topography of an area, usually in the form of an electronic map, A DTM is processed to remove all ground cover and structures, such as buildings, or man made structures and vegetation.
DTLR	Department for Transport, Local Government and the Regions; The department responsible for developing and implementing planning policies. Now replaced by the Office of the Deputy Prime Minister.
Environment Agency	Non-departmental public body responsible for the delivery of government policy relating to the environment and flood risk management in England and Wales.
Environmental Impact Assessment (EIA)	The process by which the likely impacts of a project or development upon the environment are identified and assessed to determine their significance. EIA are statutory for many developments likely to have an adverse environmental impact, and for any plan affecting a European designated site for conservation.
Environmentally Sensitive Areas (ESA)	Governed by Defra and offer incentives to encourage farmers to adopt agricultural practices which would safeguard and enhance parts of the country of particularly high landscape, wildlife or historic value.
Flood Defence	A structure (or series of structures) reduce or eliminate the risk of flooding from rivers or the sea.

Flood Estimation Handbook (FEH)	Flood Estimation Handbook provides the current methodologies for
	estimation of flood flows for the UK.
Floodplain	Any area of land over which water flows or is stored during a flood
	event or would flow but for the presence of flood defences.
	The level of flood risk is the product of the frequency or likelihood of
Flood Risk	the flood events and their consequences (such as loss, damage,
	harm, distress and disruption).
	First published in September, the Flood Map is the public face map of
Flood Map	flood likelihood. Based on Flood Zones map and including defences
	and areas benefiting from protection of defences.
	The activity of modifying the frequency or consequences of flooding
Flood Risk	to an appropriate level, and monitoring to ensure that flood risks
Management	remain at the proposed level.
	Interventions that modify flooding and flood risk either through
Flood Risk	changing the frequency of flooding, or by changing the extent and
Management Measures	consequences of flooding, or by reducing the vulnerability of those
inidada. ed	exposed to flood risks.
Fluvial	Pertaining to a watercourse (river or stream).
Flood Zones	Flood maps produced to support implementation of PPG25
Geographical	A GIS is a computer-based system for capturing, storing, checking,
Information System	integrating, manipulating, analysing and displaying data that are
(GIS)	spatially referenced.
	The physical processes that create sediment erosion and deposition
Geomorphology	and which define the shape of a river and its floodplain.
	The General Quality Assessment scheme is used to classify river
General Quality	quality. Biological and chemical assessments can be made of the
Assessments	changes in quality over time and of the varying quality at different
	locations in England and Wales.
Groundwater	Water occurring below ground in certain geological formations
	Take into account National Priorities in the UK Biodiversity Action
Habitat Action Plan	Plan and use knowledge and experience of local experts to devise
(HAP)	action plan for conserving and enhancing designated natural habitats.
	Related to Habitat Action Plan.

	The EC Directive (92/43/EEC) establishing a system of protection for
	certain fauna, flora and habitats deemed to be of European
	conservation importance. The 24 Articles of the Directive include a
	range of measures for the conservation of features in the landscape
Habitats Directive	that are important for wildlife and for the protection of species listed in
	the Annexes. The Directive provides for the designation and
	protection of Special Areas of Conservation (SACs). These SACs,
	with Special Protection Areas (SPAs), classified under the Birds
	Directive, are known as the Natura 2000 network.
	English Heritage (EH) is the national body responsible for identifying
	and protecting historic buildings by recommending the most important
Historic	of them for "listing". In England the prime sources of information are
Monuments	the Sites and Monuments Records (SMR) and the National
	Monuments Record (NMR).
	A method of estimating the flow in a river arising from a given amount
	of rainfall falling into the catchment. Models typically account for
Hydrological Model	factors such as catchment area, topography, soils, geology and land
	use.
	Provides a detailed description of the work undertaken during the
	CFMP Inception phase. This includes a summary of catchment data
Inception Report	collection and preliminary understanding of the main issues to be
	considered for effective flood risk management during subsequent
	phases of the CFMP process.
	Maps developed by the Agency the estimated extent of the floodplain
Indicative Flood	with a 1% risk of fluvial flooding and or 0.5% risk of tidal inundation.
Maps (IFMs)	Defended areas are also shown. These maps are sometimes referred
	to as Section 105 maps, or Flood Risk Maps.
	The range of level of protection to be considered for flood defences,
Indicative Standard	based upon the use of the land being protected. They do not
of Protection	represent any entitlement to protection or minimum level to be
	achieved.
	Internal Drainage Boards are autonomous public bodies under the
Internal Drainage Board (IDB)	direct control of the board members, set up to improve farmland and
Board (IDB)	funded by a local levy.
Institute of Hydrology (IOH)	Currently known as Centre for Ecology and Hydrology (see CEH).
	The use to which an area of land is put (e.g. residential, agriculture,
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Land Use	forestry, etc.). The term Land Use is used in many contexts and is

Land Management	A scheme, plan or other project deliberately using particular practices
	to affect the character, quality or value of an area. Land Management
	is subject to UK legislation and may require authorisation from a
	competent authority (e.g. English Nature) or, where it results in a
	change in Land Use, may require planning permission.
	Landscape Character areas are developed by the Countryside
	Agency under the Countryside Character Initiative, and have a strong
	social, historical and cultural element. The Countryside Character
Landscape Character Areas	Initiative is a programme of information and advice on the character
(LCAs)	of the English countryside. It includes systematic descriptions of the
	features and characteristics that make the landscape, and guidance
	documents on how to undertake Landscape Character Assessment.
Londosono	Is a systematic descriptions of the features and characteristics that
Landscape Character	make the landscape, and guidance documents on how to undertake
Assessment	Landscape Character Assessment.
LiDAR	Light Detection and Ranging (LIDAR) is an airborne mapping
	technique, using lasers to measure the ground / surface elevation.
	English Heritage is the national body responsible for identifying and
	protecting historic buildings and for compiling registers of 'listed'
	historic buildings. There are three grades of listed buildings: Grade I
Listed Buildings	buildings are those of exceptional interest; Grade II* buildings are
	particularly important buildings of more than special interest; and
	Grade II buildings are of special interest, warranting every effort to
	preserve them. Other Authorities (including the Environment Agency)
	have a duty to regard the importance of these buildings.
	A local agenda (produced by the local authority) with plans and
Local Biodiversity Action Plan (LBAP)	targets to protect and enhance biodiversity and achieve sustainable
Action Figure (LDAI)	development.

	These are statutory plans providing information used to decide
Local Development Documents	planning applications for land use development. The system currently
	consists of Local Development Plans (produced by District Councils
	and Unitary Authorities) and Structure Plans (produced by County
	Councils and Metropolitan Councils). The Planning and Compulsory
	Purchase Act 2004 replaces these documents with Regional Spatial
	Strategies (e.g. for south east England) and Local Development
	Frameworks.
	An Agency non-statutory plan based on the river basin (or sub-
	catchments or groups of smaller catchments) providing environmental
Local Environment Agency Plan	baseline information and actions/objectives for that river basin (these
(LEAP)	replace the then National Rivers Authority's Catchment Management
	Plans).
	Local Nature Reserves are designated under the National Parks and
	Access to the Countryside Act 1949 by Local Authorities (which must
	have some legal control over the site) in consultation with English
Local Nature Reserve (LNR)	Nature for their locally important wildlife or geological features. They
(2000)	are generally intended for education and amenity in addition to
	conservation.
	Watercourses defined on a 'Main River Map' designated by Defra.
	The Environment Agency has permissive powers to carry out flood
Main River	defence works, maintenance and operational activities for Main
Maiii Kivei	Rivers only. Responsibility for maintenance however rests with the
	riparian owner (the land owner)
	A plan which describes the multi-agency response arrangements for
Matan In at Jane Dian	dealing with major floods, occurring in exceptional circumstances, in
Major Incident Plan	locations with significant populations and where special measures are
	deemed necessary.
	The place on the shore where spring high tides reach on average
Mean High Water	over a period of time. It can often be recognised by the upper line of
Springs (MHWS)	debris on the beach.
Modelling and	A GIS based decision support tool developed specifically to assist the
Decision Support	CFMP process through automation of parts of the analysis.
Framework (MDSF) National Flood Risk	Broad scale assessment of Flood Risk in England and Wales,
Assessment	produced using GIS techniques by the Environment Agency in 2004.
(NaFrA)	The development of the National Flood and Coastal Defence
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National Flood and	·
Coastal Defence Database (NFCDD)	Database (NFCDD) is a requirement under the DEFRA High Level Targets for flood and coastal defence operating authorities.

	National Nature Reserves are designated under the National Parks
	and Access to the Countryside Act 1949 or the Wildlife and
	Countryside Act 1981 (as amended) primarily for nature conservation,
	but can also include sites with special geological or physical features.
National Nature	They were established to protect the most important areas of wildlife
Reserve (NNR)	habitat and geological formations in Britain, and as places for
	scientific research. They are usually owned or leased by English
	Nature, or managed in accordance with a Nature Reserve Agreement
	with the landowner or occupier.
	The National Park Authority's duties and powers are derived from a
	number of Acts of Parliament and statements of Government Policy,
	most recently the Environment Act 1995. The Statutory purposes of
	National Parks, which the Park Authority has the duty to pursue, are:
National Parks	1) to conserve and enhance the natural beauty, wildlife and cultural
	heritage of the area and 2) to promote opportunities for the
	understanding and enjoyment of the area's special qualities by the
	public. National Park Authorities also have a duty to foster the
	economic and social well being of the communities within the Park.
	Natural Areas are developed by English Nature, each area having a
Natural Area (NA)	characteristic association of wildlife and natural features. There are
Profiles	120 Natural Areas in England and each has a unique identity
	resulting from the interaction of wildlife, landforms, geology, land use
	and human impact.
	Non-main rivers are all watercourses not designated as Main River's
Non-Main River	(see above). The Local Authority has permissive powers to maintain
	but responsibilities to do so may rest with the riparian owner.
	ODPM's are responsible for local and regional government, housing,
Office of the Deputy	planning, fire, regeneration, social exclusion and neighbourhood
Prime Minister (ODPM)	renewal and aim to create prosperous, inclusive and sustainable
	communities for the 21st century.
Diamaina Baliau	One of a series of Planning Policy Guidance notes (PPGs) issued by
Planning Policy Guidance Note 25:	Office of Deputy Prime Minister to advise local planning authorities
Development and	and developers. PPGs are not statutory, but planning authorities are
Flood Risk (PPG25)	obliged to consider them in preparing plans and review of applications
Plans and Programs (PPs)	As defined in the EU Water Framework Directive.
Priority Action	Urgent needs that require priority attention (e.g. urgent repairs or
Priority Action	stand-alone improvements that should be addressed immediately and should not wait until the CFMP process has been completed).

	The probability of a flood event being met or exceeded in any one
Probability of Occurrence	
	year (usually expressed as a return period – e.g. 1% (1 in 100
	years).
	Designed to provide an integrated suite of guidance on all aspects of
Project Appraisal	project appraisal. This supersedes the Flood and Coastal Defence
Guidance (PAG)	Project Appraisal Guidance Notes (PAGN) published by the former
	Ministry of Agriculture, Fisheries and Food (MAFF) in 1993.
	The Project Board oversees the production of the CFMP, and is
Project Board	comprised of key Agency staff together with staff from other operating
	authorities or major stakeholders, where appropriate.
	A site of international importance for birds, designated as required by
	the EC Birds Directive. A pSPA is a proposed site, but is afforded the
	same status as if it were confirmed. SPAs are designated for their
Proposed Special	international importance as breeding, feeding and roosting habitat for
Protection Area (pSPA)	bird species. The Government is required to consider the
(por A)	conservation of SPAs in all planning decisions. SPAs receive SSSI
	designation under The Countryside and Rights of Way (CRoW) Act
	2000 and The Wildlife and Countryside Act 1981 (as amended).
	Sites identified or meeting criteria set out in The RAMSAR
Ramsar Site	Convention on Wetlands of International Importance. This definition
ramour one	has no legal status, but such sites are designated as SSSIs under the
	Wildlife and Countryside Act 1981 (as amended).
Regional Planning	Planning Guidance issued by the Government Office for the region.
Guidance (RPG)	RPGs are to be replaced by statutory Regional Spatial Strategies.
Riparian	Referring to the environments associated with a water body (including
Kiparian	lakes, rivers and their floodplains).
	Considerations of the risks inherent in a project, leading to the
Risk Assessment	development of actions to control, mitigate or accept them.
Risk Assessment	Aims to provide a framework for the consistent assessment of flood
for Strategic Planning (RASP)	risk that takes account of the risk of both overtopping and breaching.
River Basin	A plan to be produced under the Water Framework Directive by 2009.
Management Plan	The state of the s

	A classification systems developed to monitor the Environment
River Quality Objective (RQO)	Agency's duty to achieve specific water quality standards set by the
	Secretary of State. Currently, RQOs are classified using a River
	Ecosystem (RE) Classification, which is based on a set of chemical
	water quality parameters defined within the EC Freshwater Fish
	Directive (78/659/EEC). RQOs have no specific legal basis.
	A possible future situation, which can influence either catchment flood
	processes or flood responses. Scenarios will usually comprise
0	combinations of the following: urban development (both in the
Scenario	catchment and river corridor); change in land use and land
	management practice (including future environmental designations);
	or climate change.
	Archaeological sites designated by English Heritage and afforded a
Oak a lada I	high level of protection (including serious damage from deliberate
Scheduled Monuments,	flooding). The current legislation, the Ancient Monuments and
Scheduled Ancient	Archaeological Areas Act 1979, supports a formal system of
Monuments	Scheduled Monument Consent for any work affecting a designated
	monument.
	The Section of the Water Resources Act under which Flood Plain
Section 105	Mapping is carried out. Level A was the initial Section 105 modelling,
Section 105	whilst level B modelling has been undertaken to look at key areas in
	more detail.
	Non-statutory plans to provide sustainable coastal defence policies
Shoreline	(to prevent erosion by the sea and flooding of low-lying coastal land),
Management Plan	and to set objectives for the future management of the shoreline.
(SMP)	They are prepared by the Environment Agency or maritime local
	authorities, acting individually or as part of coastal defence groups.
	SNCIs are designated at a local level through inclusion within local or
Site of National Conservation	unitary development plans for their regional or local conservation
Importance (SNCI)	interest. They are usually adopted by Local Authorities for planning
	but have no statutory protection.
	Sites notified under the Wildlife and Countryside Act 1981 (as
	amended) and the Countryside and Rights of Way (CRoW) Act 2000
Site of Special	for their flora, fauna, geological or physical features. Notification of a
Scientific Interest	SSSI includes a list of operations that may be harmful to the special
(SSSI)	interest of the site. The Wildlife and Countryside Act 1981 (as
	amended) provides significantly enhanced protection for SSSIs. All
	cSACs, SPAs and Ramsar sites are designated as SSSIs.

Special Area for Conservation (SAC)	An internationally important site for habitats and/or species, designated as required under the EC Habitats Directive. A cSAC is a candidate site, but is afforded the same status as if it were confirmed. SACs are protected for their internationally important habitat and non-bird species. They also receive SSSI designation under The Countryside and Rights of Way (CRoW) Act 2000; and The Wildlife and Countryside Act 1981 (as amended).
Special Protection Area (SPA)	A site of international importance for birds, designated as required by the EC Birds Directive. A pSPA is a proposed site, but is afforded the same status as if it were confirmed. SPAs are designated for their international importance as breeding, feeding and roosting habitat for bird species. The Government is required to consider the conservation of SPAs in all planning decisions. SPAs receive SSSI designation under The Countryside and Rights of Way (CRoW) Act 2000 and The Wildlife and Countryside Act 1981 (as amended).
Species Action Plan (SAP)	Take into account National Priorities in the UK Biodiversity Action Plan and use knowledge and experience of local experts to devise action plan for conserving and enhancing designated species. Related to Habitat Action Plan.
Source Protection Zone (SPZ)	Groundwater source such as wells, boreholes and springs used for public drinking water supply.
Standard of Protection	The level of protection afforded by flood defences, based on maximum restrained flows and levels.
Strategy Plan	A long-term (usually 50 years or more) documented plan for river or coastal management, including all necessary work to meet defined flood and coastal defence objectives for the target area. A Strategy Plan is more detailed and usually covers a smaller area than a CFMP.
Strategic Environmental Assessment (SEA) Strategic Flood	A higher-level equivalent to the EIA, designed to assess the environmental impacts and contribution towards sustainability of plans and programmes. SEAs were established by an EC Directive (2001/42/EC) and are implemented by the Environmental Assessment of Plans and Programmes Regulations 2004. A broad scale assessment of flood risk carried out by a unitary
Risk Assessment (SFRA)	authority or district council.

	A statutory plan comprising part of the Development Plan, prepared
	by County Councils or a combination of unitary authorities, containing
	strategic policies that cover key planning issues over the area and
Structure Plan	provide a framework for local planning, including Unitary
	Development Plans (UDPs). To be replaced under the new planning
	system with Local Development Frameworks (which comprise all sub-
	regional plans).
	Either a smaller catchment within a larger one (i.e. the area drained
Sub catchment (SC)	by a tributary of the main catchment), or an area of the catchment
	identified for the purpose of improving the CFMP process.
	Any water body not being groundwater (e.g. rivers, estuaries, ponds,
Surface Water	etc.) as well as temporary waters resulting from flooding, urban run-
	off, etc.
	A broad concept dealing with the social, economic and environmental
	impacts of human activities. Its aims are to achieve an efficient,
	effective solution to development which does not have undue costs or
Sustainability	impacts in the present or the future. As an operational objective in
Custamasmiy	planning and development it involves, inter alia, taking account of
	future changes. There is no comprehensive statutory definition of
	sustainability, although it is a duty of many Government bodies
	(including the Environment Agency).
	A sequence of management practices and control structures
Occasion all la	designed to minimise the impact of surface water on flood risk and
Sustainable Drainage Systems	the environment. Techniques include the use of porous materials and
(SuDs)	soak-away systems to increase the time taken for water enter the
	river network.
	The means by which a data signal is transferred to a remote control
Telemetry	centre by the telephone network.
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Unitary Development Plan (UDP)	A statutory plan produced by unitary authorities, comprising part of
	the Development Plan and written in two parts: Part I - a written
	statement which contains the authority's general policies for their
	area; Part II – both a written statement and an ordnance plan,
	describing the policies in detail and illustrating them on a
	geographical basis. A UDP replaces Local Plans within unitary
	authorities.
Water Framework Directive (WFD)	European Community Directive (2000/60/EC) on integrated river
	basin management. The WFD sets out environmental objectives for
	water status based on: ecological and chemical parameters; common
	monitoring and assessment strategies; arrangements for river basin
	administration and planning; and a programme of measures in order
	to meet the objectives.
Water Level Management Plan (WLMP)	A programme designed to control the level and distribution of surface
	and groundwater in a designated area (usually for a SSSI or other
	Conservation site).
Wildlife and Countryside Act	The principal legislative mechanism for the protection of wildlife in
	Great Britain. The designation of protected species is also provided
	for.