

Section 7.0: Monitoring and Review

7.1 Monitoring & Review

A monitoring programme, with targets, in respect of the potential effects of the implementation of the Plan on the environment is set out below. The purpose of the monitoring programme is to identify at an early stage unforeseen adverse effects and to be able to undertake appropriate remedial action. The relevant targets (and indicators) have been generated from the **Environmental Report**. A report on the outcomes of monitoring will be presented to the Dundrum Area Committee on a yearly basis. The Plan itself will be reviewed in the context of the County Development Plan Review.

Aspect of the Receiving Environment	Selected Indicator(s)	Selected Targets	Monitoring Source
Biodiversity	Adverse impacts to sites of conservation sensitivity (impacts on wetland habitats located therein by changes in water quality, levels and flows)	No adverse impact to sites of conservation sensitivity by ensuring no changes in water quality, levels and flows	Planning Authority and National Parks and Wildlife Service through Local Plan Policies – ENV2, ENV3, ENV4 & ENV7
	The loss of local habitats including trees, and the matrix of small fields, hedges and stone walls and streams	To retain trees, and the matrix of small fields, hedgerows, stone walls and streams in the locality	Planning Authority through Local Plan Policies – LAN 4, 5, 6, 7, 8 & ENV 6 & 9
	The number of houses built along the road sides (ribbon development) which contribute to the creation of barriers for wildlife of locally significant habitats	That ribbon development is avoided	Planning Authority through Local Plan Policy HSG10
	The continued proliferation / use of suburban ornamental specimen shrubs / trees and block walls (faced with stone) in new developments	The use of mixed hedgerows of native / local plant species and stone walls in all new developments and the avoidance of suburban ornamental species shrubs / trees in new developments	Planning Authority through Local Plan Policies – LAN 5 & 6
Population & Human Health	Genuine local rural housing needs accommodated	Genuine local rural housing needs be accommodated without adversely impacting on the environment	Planning Authority through Plan policies HSG 1-7

Water	ug of Phosphorous per litre of surface water	To reduce / keep at its current level the amount of phosphorous in surface waters	Environment Department
	Biotech Quality Rating (Q Rating)	To maintain a biotic rating of Q5, in line with the requirement to maintain good water status under the Water Framework Directive, by 2015	Environment Department
	Total Coliform Counts per 100ml of groundwater as measured before chlorination	Current level (2007) or reduced	Environment Department
	Faecal Coliform Counts per 100 of groundwater as measured before chlorination	Current level (2007) or reduced	Environment Department
	Changes in water flow rates and water table levels	To prevent significant changes in water flow rates and water table levels	Environment Department
	The number of wastewater licences granted over the lifespan	No wastewater licence granted to surface water over the lifespan of the LAP	Environment Department
Material Assets	Waste water treatment units and percolation areas designed, installed and maintained in line with the EPA's Wastewater Treatment Manual for Treatment systems for Single Houses (2000) as amended.	That all new and upgraded wastewater treatment systems be installed as per the EPA's (2000) as amended Wastewater Treatment Manual – Treatment Systems for Single Houses and that site investigations (reports), system design and system installation be carried out / supervised, as appropriate, by a hydrogeologist with professional accreditation in Ireland.	Health Service Executive (Environmental Health Officer) subject to new service level agreement to be agreed and signed with Council.

Cultural Heritage		
The loss of Protected Structures	To protect Protected Structures in line with County Development Plan policy	Planning Department and Conservation Section
The loss of those buildings / structures not identified for protection in the RPS namely, farm complexes and buildings of special local historic or architectural interest, which form important landscape or townscape features and / or are important to the cultural heritage of the area	To protect those buildings / structures not identified for protection in the RPS, namely farm complexes and buildings of special local historic or architectural interest, which form important landscape or townscape features and / or are important to the cultural heritage of the area by ensuring they are not lost (where feasible) or subject to insensitive development	Planning Department and Conservation Section through Local Plan Policies CH3, CH4
That identified derelict / abandoned historic buildings continue to remain unused / unrefurbished	To secure the reuse and sympathetic refurbishment / renovation / reconstruction of identified derelict / abandoned historic buildings / structures consistent with their historic character in order to preserve their integrity	Planning Department and Conservation Section through Local Plan Policy HSG7
Loss / damage to designated archaeological sites	To safeguard archaeological sites in line with County Development Plan policy	Planning Department and Conservation Section through Local Plan Policies CH1
The loss of identified industrial archaeological features of importance	To safe guard features of industrial archaeological importance and encourage their appropriate conservation or use and interpretation	Planning Department, Conservation Section and Heritage Officer Section through Local Plan Policies CH5
The loss of the matrix of small fields hedgerows and stone walls	To retain the matrix of small fields, trees, hedgerows and stone walls in the locality	Planning Department through Local Plan Policy LAN8
Continuation of the proliferation of suburban house / development building forms and site layouts	That new development (new build / extensions / replacement structures etc) acknowledges, respects and reflects the design features and characteristics (proportions, form, scale, massing and materials) of the vernacular building form and settlement pattern(s) evident in the area	Glencullen Design Guide
The loss of street scape features in Glencullen Village core (street furniture, stone-built front boundaries, formal gateways, trees and dense hedgerows)	That new development respects and retains the street scape features in Glencullen Village core (street furniture, stone-built front boundaries, formal gateways, trees and dense hedgerows)	Planning Department

Landscape	The proliferation in the plan area of development not directly related to the area's amenity potential or its existing use for agriculture, mountain or hill farming	Restrict any development not related directly to the area's amenity potential or its existing use for agriculture, mountain or hill farming	Planning Department
	Elongation of village core along Ballymonduff Road, Bridge Road, Ballybetagh Road and Ballybrack (Pineforest) Road	The consolidation of the village core and the directing of development to the rural clusters	Planning Department through Local Plan Policy
	The loss of stone walls and hedgerows as a result of road improvement schemes	Road Improvement Schemes shall not result in the loss of hedgerows or stone walls	Planning Department through Development Plan Policy LAN4
	New development not having reference to existing site features and being sited in isolation from site features, site boundaries and or streetscape	That new development harnesses and maximises the benefits of existing site features for shelter and for integrating new development; that new development is buffered from the countryside by existing or new landscape schemes as appropriate; that new development is visually and physically linked with the countryside / streetscape around by means of, where appropriate, planting or walls; and that the house / building, garden and landscape is designed as one unit.	Planning Department through Glencullen Design Guide
	New development sitting obtrusively in the landscape / streetscape and interfering with views and prospects identified for preservation	That views and prospects identified for preservation be preserved and that development would not site obtrusively in the landscape through policy LAN 3	Planning Department