

## MONITORING

### 9.1 Introduction

### 9.2 Monitoring Programme





## 9.1 INTRODUCTION

This section of the Environmental Report outlines the way in which the environmental impacts of the Docklands Master Plan will be monitored. The SEA Directive requires that monitoring of significant environmental effects be carried out. Environmental protection objectives and targets were established early on in the SEA process. However, in order to measure progress towards these parameters environmental protection indicators have also been determined. The indicators are used to describe the baseline situation, monitor the impact of the Master Plan on the environment and predict future environmental impacts. This permits quantitative measurements of trends in environmental condition to be demonstrated. It is expected that monitoring will allow the detection of unforeseen adverse effects, if any, at an early stage and subsequent remedial action to be initiated.

An important function of the monitoring programme is to assess whether or not the Master Plan is reaching its environmental objectives and targets. The proposed monitoring programme for the Dublin Docklands Area Master Plan 2008 consists of environmental objectives, targets and indicators together with the source of the data and frequency of data collection (Table 9).

## 9.2 MONITORING PROGRAMME

Environmental Objective	Environmental Target	Environmental Indicator	Data Source	Frequency
Protect and enhance biodiversity, flora and fauna.	No adverse impact on designated nature areas.	Breaches of EPA licence in Dublin Bay	EPA/NPWS	On-going
	Develop new and existing open spaces within the Area.	Physical disturbance of designated nature areas.	DDDA	On-going
		Area of new open space provided.	DDDA	Annual
		Greening of existing public spaces.	DDDA	Annual
Protect and enhance human health.	Provision of cycling & walking infrastructure.	Length of cycling walking infrastructure.	DDDA	Annual
	Develop new and existing open spaces within the Area.	Total area of open space.	DDDA	Annual
Improve soil quality.	All contaminated development sites decontaminated.	Number and area of contaminated sites decontaminated.	DDDA	Annual
Protect and enhance surface & coastal water quality.	Comply with WFD surface & coastal water targets.	Surface water quality.	DCC/EPA	Annual
		Coastal water quality.		
Protect and enhance ground water quality.	Comply with WFD ground water targets.	Ground water quality.	DDDA/GSI	Annual
Provide water supply infrastructure.	Provide adequate water supply infrastructure.	Capacity of the water supply infrastructure.	DDDA/DCC	Annual
Limit adverse impact on air quality.	Provision of cycling & walking infrastructure.	Length of cycling walking infrastructure.	DDDA	Annual
	Development of high capacity public transport lines.	Capacity of high capacity public transport lines.	DDDA/RPA/DTO/DTA	Annual
Minimise Greenhouse gas emissions.	Development of high capacity public transport lines.	Capacity of high capacity public transport lines.	DDDA/RPA/DTO/DTA	Annual
Reduce flood risk.	No incidences of flooding to property.	Number of incidences of flooding to property.	DDDA	On-going
Provide wastewater infrastructure.	Provide adequate wastewater infrastructure.	Capacity of the wastewater infrastructure.	DDDA/DCC	On-going

Environmental Objective	Environmental Target	Environmental Indicator	Data Source	Frequency
Provide public transport infrastructure.	Development of high capacity public transport lines.	Capacity of public transport lines.	DDDA/RPA/DTO/DTA	Annual
	New public transport bridge over River Dodder.	New public transport bridge over River Dodder.	DDDA	Annual
Protect and enhance the architectural and archaeological heritage.	No adverse impact on archaeological sites and protected structures	Incidences of encroachment on archaeological sites.	DDDA	On-going
		Removal of protected structures.	DDDA	On-going
		Restoration of protected structures.	DDDA	On-going
Protect, enhance and develop streetscape and enhance views.	Develop streetscapes and views.	Preparation and delivery of new and amended Planning Schemes	DDDA	On-going
Protect, enhance and develop new open space areas.	Develop open space.	Area of new open space provided.	DDDA	Annual

TABLE 9 PROPOSED MONITORING PROGRAMME FOR THE DUBLIN DOCKLANDS AREA MASTER PLAN 2008

Regular monitoring using the environmental indicators will track the on-going condition of the environmental receptors. If a deterioration in a condition occurs, remedial action to address the particular problem will be implemented. Regular monitoring will highlight when and if such action is necessary.

The data required for the proposed monitoring programme is readily available and there is, at present, no need to consider collection of new data. The Authority will be responsible for assembling of all monitoring data from the relevant sources. At present the Authority publishes annual monitoring reports. Annual Master Plan monitoring will continue. Monitoring data will be gathered either on an annual or ongoing (as necessary) basis.

Finally, the monitoring programme should highlight, which environmental indicators, if any, have become redundant and are no longer required. In addition, any gaps in baseline data will also be highlighted where additional indicators may be required.