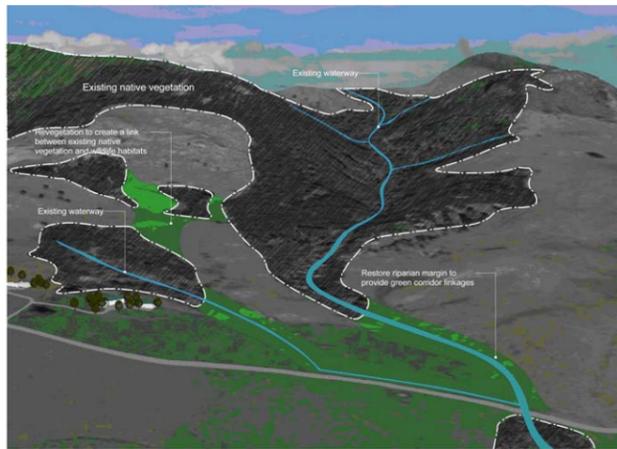


The Site



Estuary

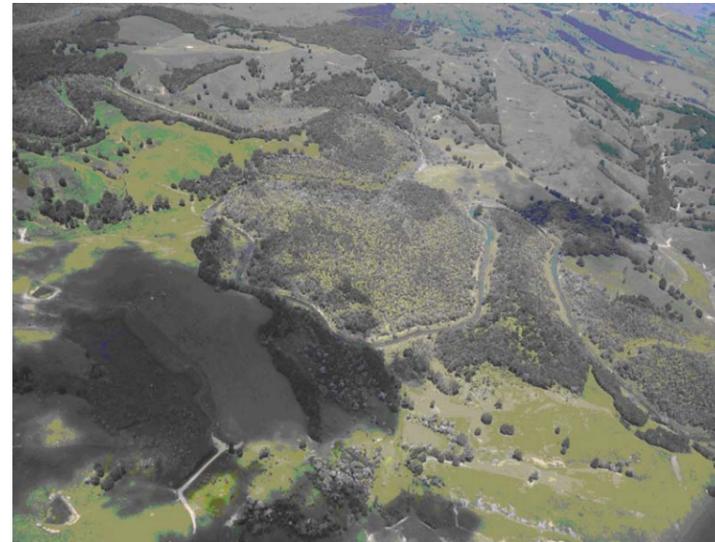


Harbour



Estuaries & Harbours C

Upper catchment wetlands / swamps



Waterways & Wetlands C

Natural systems run across property boundaries. Development, including subdivision, can be planned around these natural constraints to maximise the productive potential of the land, while minimising the adverse effects.

An effective planning tool for this is the "Integrated Catchment Management" approach.

Catchments are made up of an integrated framework of basic elements. These elements include:

- o topography
- o water systems
- o vegetation communities
- o ecological systems and linkages
- o communities and settlement patterns
- o access patterns
- o visual containment

The aim of ICM is to manage these elements, and to recognise and enhance the interrelationships to:

- o Encourage land uses which facilitate good drainage;
- o Conserve soil;
- o Efficiently allocate available water resources and maintain water quality standards so that no particular use is irreversibly lost;
- o Preserve and enhance viable representative samples of natural ecosystems;
- o Manage the introduction of exotic species, flora and fauna in a way that does not compromise other objectives;
- o Manage the harvesting of flora and fauna in recognition of the critical importance of regeneration rates;
- o Protect the long term assimilative capacity of natural waste receiving systems;
- o Identify areas of land appropriate for a variety of human uses, settlements and growth patterns.

Whilst ICM generally requires landscape design and management on a broad catchment-wide scale, the principles can be applied to smaller scale developments.



Low / slow flow streams surrounded by pasture or bush, mid-catchment



Upper catchment streams, stony bottomed, fast flow

Eddying bays, low flow, swimming holes, still water



Riparian areas, Esplanade strips, planting to improve stream health



Lower catchment estuarine wetlands

ANALYSE THE SITE - Enlarged Plans - C Catchments & Waterways

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