

CASE STUDY: The History of Water Supply on the Central Coast

APPENDIX 7: Extracts from the Environmental Impact Statement (see page 13).

Impact on Land Owners

"Approximately 2200 hectares of freehold land in the dam catchment under the ownership of 26 landowners will need to be acquired. Of these landowners, two live on their properties and will be required to move elsewhere." (page vii).

Impact on Vegetation Communities

"Four different vegetation communities were recognised by two officers of the Royal Botanic gardens. The stored water will flood the remaining stands in the dam catchment of two of these communities but this loss is not regarded as highly significant by the Botanic Gardens since other similar stands still remain in the neighbouring Mogo Creek and Upper MacDonald River valleys. ... No rare or endangered species were recorded during the survey though no attempt was made to list every species present. The mangrove and saltmarsh vegetation along the lower reaches of Mangrove Creek will not be affected..." (page v).

Vegetation Units recognise in the Dam catchment (page 30)

Mapping Unit	Vegetation Community	Geology	Physiography
Tall open-forest and open-forest	<i>Eucalyptus deanei</i> <i>Angophora floribunda</i> Tall open-forest	Recent alluvium. Narrabeen Group.	Sheltered valleys. S to SW facing slopes.
	<i>E. tereticornis</i> <i>E. eugenoides</i> Open-forest	Narrabeen Group	Lower slopes of hills. Dryer aspects.
	<i>A. costata</i> <i>E. piperita</i> Open-forest	Hawkesbury Sandstone	Sheltered gullies. S to E facing slopes.
Woodland	<i>E. eximia</i> , <i>E. gummifera</i> , <i>E. punctata</i> woodland	Hawkesbury Sandstone	Ridgetops and exposed slopes. N to W facing slopes.

Impact on Wildlife

"During the fauna survey of the dam catchment, 24 mammal, 81 bird and 12 reptile species were recorded in the catchment. ... Most of the mammal species were widespread and occurred outside as well as inside the storage area. The same may also be stated for the birds and reptiles and the storage therefore does not constitute a threat to the survival of any particular wildlife species. The survey did not show the presence of any rare or endangered species....

The Australian bass and possibly the freshwater mullet will ultimately be limited, in Mangrove Creek, to waters downstream of the dam. It is expected that the freshwater cat fish and forage species will populate the stored waters of the dam." (page v).

Source: "Environmental Impact of the Proposed Dam "Volume 2, "Mangrove Creek Dam – Environmental Impact Statement" 1977, Gosford-Wyong Water Supply, NSW Department of Public Works.

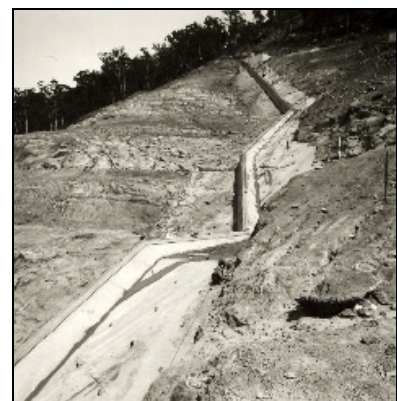


Plate 23, 24 & 25: Dam Site (Gosford Library - photographs by Denis Gibbons, NSW Department of Public Works)

