CLARRIE HALL DAM MANAGEMENT PLAN

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MANAGEMENT PLAN

Clarrie Hall Dam is a water supply storage subject to water level fluctuations likely to vary from up to 6 m above full supply level during flooding to 18 m below full supply level during extended dry periods

OBJECTIVES

- Maintain acceptable water quality in accordance with public health standards for an on-stream regulation storage
- Facilitate controlled recreational use of the water body and adjacent public land while not encouraging the perception that recreation is the prime purpose of the reservoir

FUNCTIONAL USAGE

- Picnicking and associated outdoor activities for families, clubs and groups
- Sportfishing for Australian Bass stocked in the reservoir
- Bird watching
- Canoeing and row boating
- Bush walking (limited)
- Nature observation and environmental studies

CRAMS FARM

Site A
- Extend native rainforest clump planting to gully to recreate a section of natural bush and reduce area requiring mowing but maintain farm heritage and clear sight lines to active play areas Plant local native species only

Site B
- Maintain and enhance existing boat access and provide vehicular turn-around

Site B1
- Future pontoon, canoe access and toilet facilities

Site C
- Construct bird hides within replanted bush areas

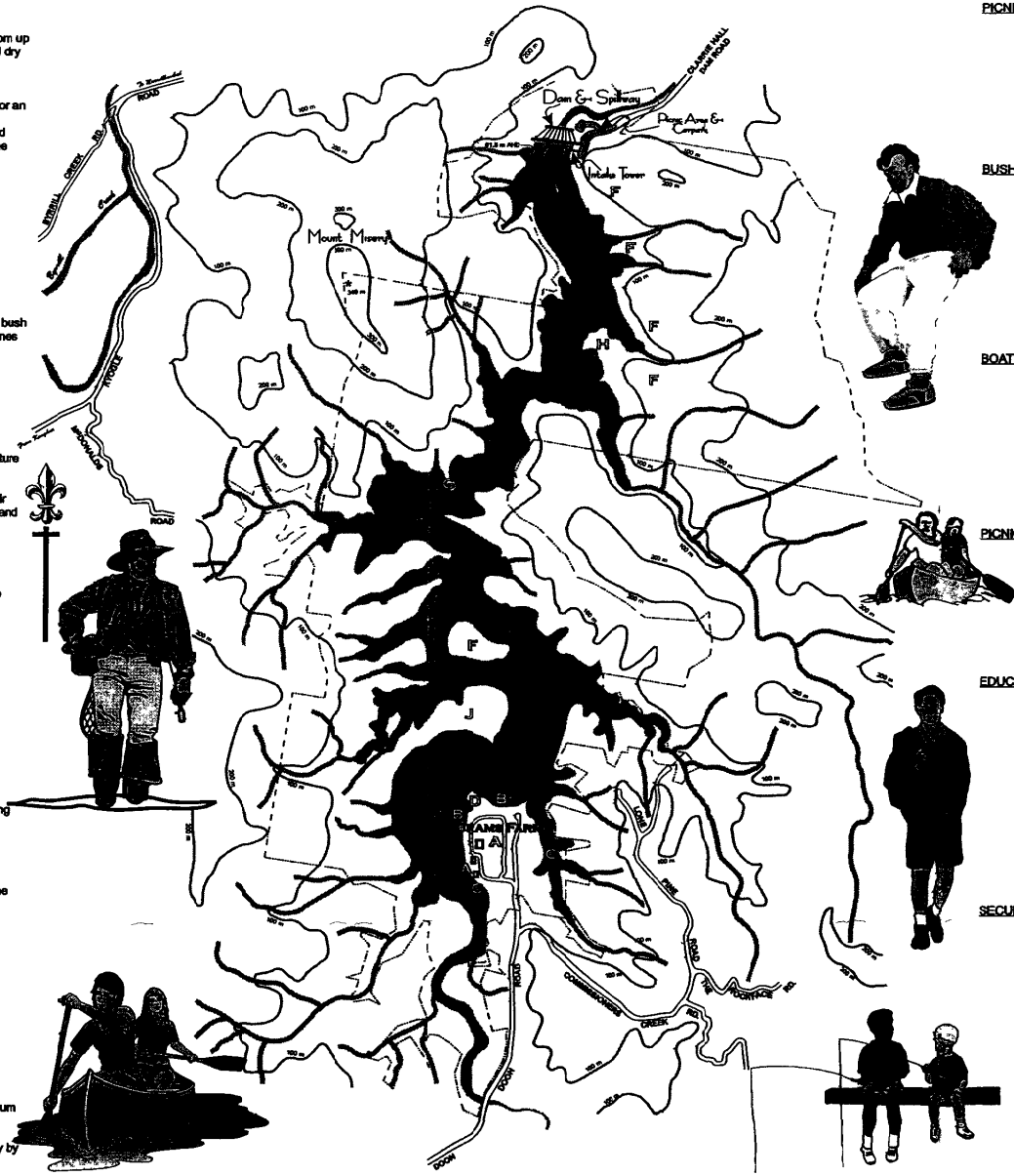
Site D
- Opportunity for establishing a wetland filter as a functional and educational feature
- Re-establish the kiosk when commercially viable, viability may be enhanced through boat rentals and issue of fishing permits.
- Upgrade welcome sign at entrance describing water supply function of reservoir and promoting suitable recreational use of the water body and abutting public land include a history of area.
- Seal access road and upgrade to "one way" circuit.
- Encourage catch and release fishery
- Fishing catch card box at boat ramps
- Clump planting for shade
- Camping to be limited to Crams Farm only and to be restricted to special group functions subject to Council application and approval

MANAGEMENT INITIATIVES

- Discourage land subdivision and closer development within the catchment.
- No feed lot farming within the catchment and otherwise control nutrient inputs.
- Control erosion in the immediate catchment to minimise reservoir siltation
- Exclude access to trail bikes and offroad vehicles on public and Council land
- Limit boating activity to fishing and eco-tourism pursuits.
- Exclude water contact activities.
- Require any private commercial activities on the reservoir and abutting land to comply with the eco-tourism theme and National Accreditation Guidelines and Program
- Reinforce Crams Farm as the principle point for recreation and water activity access
- Educate visitors as to the function and operation of the reservoir and surrounding ecological features.
- Augment picnic facilities and walking trails.
- Control and licence fishing to support annual stocking requirements.
- Permit low impact eco-tourism developments within the catchment that are in keeping with the wilderness theme and the National Ecotourism Strategy
- Encourage reafforestation and hardwood plantations on suitable areas within the catchment.
- Review Plan at two (2) yearly intervals
- Develop an additional boating access near dam wall
- Control & license all commercial activities on the water body and/or abutting Council land.

FISHING

- Sanction sport fishing for Australian Bass stocked in the reservoir
- Encourage catch and release principles
- Encourage use of barbless lures and daytime fishing only
- Establish permits and licence fees to cover policing and annual restocking
- Enable permits to be obtained at Crams Farm, Council Chambers and Murwillumbah tourist information centre and other suitable outlets.
- Limit boating and fishing to exclude area north of tower
- Commercial fishing charters/guides to be restricted to 2 operators. Boat maximum 4.5 m x 4 persons.
- Establish a Fishery Management Committee to advise Council on the fishery.
- The introduction of any fish to the fishery, other than those approved specifically by Council, is prohibited.



PICNIC AREA - DAY TRIPS ONLY

Site G
- Remove lantana and weed infestation and establish a program of planting native trees and gradually removing camphor laurels
- Provide access track for service vehicles - requires agreement with CA & CJ Evans
- Exclude pets
- Provide satisfactory toilet facilities

BUSH WALKING

Site F
- Provide for bush walking at several locations utilising existing tracks and newly created trails.
- Perimeter trail around island with small landing or pebble beach boat access
- Develop loop trail along east shore from dam using existing track and adding side trails to spurs to provide views into the unique gorge or fiord like part of the reservoir
- Trails from Crams Farm are considered impractical as the distance required for each bush or destination view points is long and the trails would add considerably to maintenance requirements.

BOATING

- Limit private boating to canoes and small boats propelled by oars, paddles or electric motors only to eliminate noise and pollution potential
- Permit canoe and boat rentals at Crams Farm
- All water craft to be removed from the Water each night. No moorings on the Dam.
- Commercial sight seeing craft to be restricted to two (2) with a maximum capacity of 8 persons No fishing permitted The visual impact and compatibility of any craft to be considered when allocating licences

PICNICKING

Site H
- Maintain existing picnicking facilities at Crams Farm with the added variety of bush picnicking once rainforest clump replanting has established
- Maintain existing facilities at the dam.
- Establish a low key picnicking area on the peninsula end of the walking trail from the dam - lantana and weed infestation would need clearing and native trees planted
- Toilet facilities

EDUCATION

- Establish an interpretative program focussed on the reservoir and abutting land
  - history of the area and developments of the dam
  - water supply function and operational characteristics
  - nutrient problems and lake water quality including stratification and annual turnover
  - fish stocking and the importance of the Australian Bass species
  - surrounding bird life, flora and fauna, including koalas and platypus.
- Provide scope for environmental studies, school project groups and other interested groups.
- Prepare a brochure outlining the function of the dam and reservoir, supported recreational activities, visitor facilities and restrictions

SECURITY

Site J
- Replace gate at end of old road at dam with a tamper resistant structure to restrict motor bike access.
- Restrict vehicle access to the dam wall
- Enhance signage at the dam to address dangers associated with climbing on the face of the dam and accessing the spillway
- Enhance signage at both Crams Farm and the dam relating to restrictions on firearms and shooting, trail bikes and other motorised vehicles, motor boats other than electric, and water contact sports.
- Provide a suitable boat for policing and safety - electric propulsion preferred.
- Revegetation - peninsula on western side of lake be planted with suitable koala food in existing grassed areas. Existing trees to be retained.
- No commercial helicopter access to water surface or abutting Council land without specific application and approval of Council Emergency Services helicopters exempt.

ClarrieA3.CDR

ISSUE	AMENDMENT DETAILS	INITIALS	DATE
	'CONTROL & LICENSE' NOTE UNDER M/MENT INITIATIVES ADDED	D S NEIL	27 07 98
B	FINAL NOTE UNDER 'FISHING' ADDED	D S NEIL	21 10 97
A	ORIGINAL ISSUE	D S NEIL	01 10 97

TWEED SHIRE COUNCIL
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PLAN TITLE: MANAGEMENT PLAN
PROJECT: CLARRIE HALL DAM
DRAWING NUMBER: A1- /
SHEET OF SHEETS
ISSUE B

0m 10m 20m 30m 40m 50m 100m 150m 200m 250m NOTE: FULL SIZE ON ORIGINAL

DataWorks Document Number: 1472426