



**Public Works**  
Project Management



# **NIMMITABEL WATER SUPPLY LAKE WALLACE DAM**

**PROGRESS REPORT**

**9 December 2016**

**for**

**SNOWY MONARO REGIONAL COUNCIL**

# Table of Contents

---

<b>1</b>	<b>PROJECT OVERVIEW .....</b>	<b>1</b>
<b>2</b>	<b>FUNDING.....</b>	<b>1</b>
<b>3</b>	<b>PROGRESS.....</b>	<b>2</b>
<b>4</b>	<b>FINANCE .....</b>	<b>2</b>
	4.1 Project Budget .....	2
	4.2 Financial Report.....	3
<b>5</b>	<b>PROGRAM.....</b>	<b>3</b>
<b>6</b>	<b>SAFETY.....</b>	<b>3</b>
<b>7</b>	<b>ENVIRONMENT.....</b>	<b>3</b>
<b>8</b>	<b>COMMUNITY RELATIONS .....</b>	<b>3</b>
<b>9</b>	<b>OUTSTANDING ISSUES .....</b>	<b>3</b>
<b>10</b>	<b>PHOTOGRAPHS.....</b>	<b>4</b>

# 1 Project Overview

---

The project has been split into three phases:

## Phase 1: Investigations, Assessments and Approvals

This includes engineering investigations, environmental assessment/ approval, aboriginal cultural heritage assessment/ approval, and preliminary designs for the dam and flow monitoring stations.

## Phase 2: Preliminary Works

This includes the following:

1. Geotechnical investigation and finalisation of design and tender documentation for the dam
2. Finalisation of design and tender documentation for the flow monitoring stations
3. Other approvals, eg Licence to construct, licence to extract, etc
4. Aboriginal heritage salvage/ protection work
5. Biodiversity management plans, for Australian and NSW Governments
6. Land acquisition
7. Tendering

## Phase 3: Construction

Construction of the following components:

1. Dam, including earth wall, spillway, and outlet works
2. Flow/ level monitoring stations
3. Conservation areas (biodiversity offset areas)

# 2 Funding

---

Project funding is made up as follows:

Source	Amount
Restart NSW Water Security for Regions fund	\$5,350,000
Country Towns Water Supply and Sewerage Program (State contribution)	\$329,000
Country Towns Water Supply and Sewerage Program (Council contribution)	\$329,000
<b>Total</b>	<b>\$6,008,000</b>

\* Amounts exclude GST

## 3 Progress

---

### **Phase 1: Investigations, Assessments and Approvals**

Completed.

### **Phase 2: Preliminary Works**

Completed.

### **Phase 3: Construction**

#### Main Contract

A contract was awarded to R.D. Miller Pty Ltd on 13 March 2015.

All works under the contract have been completed. The dam has been commissioned and put into service. The dam storage is full.

#### *Post-Completion Variations*

- All, other than the item below: Completed.
- Rock mattress upstream of spillway crest: Council wish to wait until the end of summer before dropping the storage in order to undertake this work.

#### Flow, Level and Temperature Monitoring Equipment

1. All, other than the item below (IMEEC P/L): 50 % complete.
2. Flow monitoring point downstream of Maclaughlin River weir (Sentinel Pty Ltd):  
Site work is 50% complete, waiting for the water level to drop sufficiently to complete the work.

#### Conservation Area (Biodiversity Offset Area)

1. Fencing of the dam storage area, and riparian zones: Completed.
2. Minor civil works, ie stock crossing, upgrade access tracks, remediate gully erosion, renovate existing farm dams: 90 % complete.

#### Management Plan for Environmental Flows

Not yet commenced.

## 4 Finance

---

### **4.1 Project Budget**

The total project budget, including contingency allowance, is \$6,008,000 excl GST.

## 4.2 Financial Report

Costs for each phase are summarised below:

Phase	Cost to Date	Estimated Final Cost
1. Approvals	\$268,724	\$268,724
2. Preliminary Works	\$888,508	\$916,857
3. Construction	\$4,340,485	\$4,822,132
TOTAL	\$5,496,219	\$6,007,713

A copy of the Project Cost Report dated 30 November 2016, for Phases 2 and 3, is attached. [NB. This does not include the November progress payment for the main contract.]

The estimated final cost for some items will need to be adjusted in due course to reflect actual costs.

## 5 Program

---

### Lake Wallace Dam

The rock mattress upstream of the spillway crest is anticipated to be done in Autumn 2017.

### Flow/ Level Monitoring Equipment

Installation is expected to be completed by December 2016.

The Project Program for Phase 3 will be updated for the next progress report.

## 6 Safety

---

Nil.

## 7 Environment

---

Nil.

## 8 Community Relations

---

Nil.

## 9 Outstanding Issues

---

Nil.

## 10 Photographs

---



Lake Wallace Dam: Shotcrete anchoring of spillway wall under footbridge



Lake Wallace Dam: Bunded dissipation pad downstream of discharge point