

## LOWER WAIRARAPA VALLEY DEVELOPMENT SCHEME

### ASSET MANAGEMENT PLAN

### PERFORMANCE STATEMENT

2010/11

#### 1. Financial

- Deferred asset maintenance requirements not to exceed \$100,000 in any year.

*No deferred maintenance.*

*Criteria satisfied*

- Scheme not to incur or carry financial deficit without Council approval. *The scheme reserve balance is \$1,621,908 and the Major Flood Recovery Fund balance is \$827,713.*

*Criteria satisfied*

- Average flood damage expenditure not to exceed 20% of the total Scheme expenditure over a five year period.

*5 year criteria. Not required till 2012/13.*

*5 Yearly Criteria*

#### 2. Stopbanks

- Flood capacity of major stopbanks to be reviewed and compared to design flood capacity.

*5 year criteria. Not required till 2012/13.*

*5 Yearly Criteria*

- 0% (<5%) of the stopbank length has deferred maintenance.

*There is no deferred maintenance of stopbanks.*

*Criteria satisfied*

- Not more than 10% of the stopbanks to have berm width of less than 10 metres.

*This criterion has been reviewed as part of the LWVDS Review. A number of high-risk areas have been identified, and banks in those areas will be either protected by boulder groynes or by stopbank set back. In other areas where the risk is low, the banks will be protected primarily by vegetation, and if it becomes necessary, by boulders. There are no plans to increase the berm width. A 10 year programme to strengthen the banks is underway & progressing satisfactorily.*

*Criteria satisfied*

- As-built stopbank formation levels and dimensions to be restored within 3 months of minor surface damage being reported, and within 1 month of major surface damage being reported. Grass cover to be restored within 3 months of bare patches being reported. Rabbit hole and subsidence damage to be repaired within 1 month of being reported. Trees and scrub on the stopbank to be removed within 3 months of being reported.

*Few locations of the stopbank damaged by stock, to be repaired by the landowners.*

*The formation level of stopbanks on both sides of Ruamahanga just upstream of Lake Onoke will be restored to an even level over the next two years. This work was programmed for last year, however was not done as funds had to be diverted due to the floods in September 2010.*

***Criteria not satisfied***

### **3. Heavy bank Protection**

- Repairs to damaged heavy bank protection structures to be carried out within the same financial year.

*No damage to heavy bank protection structures occurred*

***Criteria satisfied***

### **4. Vegetation Buffer Zone**

- Less than 10% of the length of riverbanks was subject to active bank erosion.

*No erosion to vegetation buffer zone has been recorded.*

***Criteria satisfied***

- No more than 5% of the designated buffer zone area to be lost to river erosion.

*5 year criteria. Not required till 2012/13.*

***5 Yearly Criteria***

- Stock exclusion fencing to be maintained in satisfactory condition, and landowners to be prevented from grazing buffer zone areas.

*Onoke fence has been upgraded to prevent stock damage to native planting.*

***Criteria satisfied***

### **5. Fences**

- 0 km (<2km) of fence was renewed.

*1.6 km of new fence was constructed. No old fences needed renewal.*

***Criteria satisfied***

## 6. Floodway Sills

- As-built sill formation level to be compared to design level.  
*5 year criteria. Not required till 2012/13.*

*5 Yearly Criteria*

- Deferred maintenance requirement to be nil.  
*No deferred maintenance work.*

*Criteria satisfied*

- As-built sill formation level to be restored within 1 month of damage being reported. Grass cover to be restored within 1 month of bare patches being reported. Rabbit hole and subsidence damage to be repaired within 1 month of being reported. Trees and scrub on the sill to be removed within 3 months of being reported. Scouring upstream and downstream of the sill to be repaired within one month of being reported.

*There were no damages to the sills at Hikunui & Awaroa.*

*Criteria satisfied*

## 7. Duckbill Structure

- The “Duckbill” structure to be inspected every six months, and after each major flood, and damage to the mattresses and baskets to be repaired within 3 months.

*There was a moderate flood event in September 2010, however no damage occurred. Also there are no outstanding maintenance issues.*

*Criteria satisfied*

- Damaged reinforced grass to be repaired within 1 month of bare patches being reported.

*There were no damages to the reinforced grass cover.*

*Criteria satisfied*

- Deferred maintenance to be nil.  
*No deferred maintenance work.*

*Criteria satisfied*

- The Reno mattresses to be kept free of vegetation, and the grass on the batter slopes and berm to be mowed regularly and maintained in a healthy state.

*Regular spraying carried out to keep the Reno mattresses free of vegetation and mowing of grass being done regularly.*

*Criteria satisfied*

## 8. Culverts and Floodgates

- All floodgates and culverts to be inspected annually for diameters greater than 600 mm, and once every three years for diameters less than 600 mm.

*All floodgates inspected*

*Criteria satisfied*

- Floodgate damage and culvert blockages to be repaired within 1 month, and external reports of damage to be responded to within 10 working days.  
*Total of 6 flood gates have been repaired and another 4 need attention. A total of 27 culvert downstream channel needs cleaning. These have been scheduled for next year. One culvert has been reconstructed*

*Criteria not fully satisfied*

- A structural assessment of large floodgate structures to be undertaken, including visual inspection of the culvert interior.  
*5 year criteria. Not required till 2012/13.*

*5 Yearly Criteria*

## 9. Grade Control Structures

- Deferred maintenance requirement to be nil.  
*No deferred maintenance.*

*Criteria satisfied*

- Reinforced concrete grade control structures to be inspected five yearly and damages to be repaired within 3 months.  
*5 year criteria. Not required till 2012/13.*

*5 Yearly Criteria*

## 10. Barrage Radial Gates

- Control House Telemetry to be inspected six monthly with repairs effected within 1 month.  
*Inspections and maintenance has been carried out by Hydrology Section.*

*Criteria satisfied*

- The lifting/lowering mechanism to be inspected six monthly with repairs to be effected within 1 month.  
*Lifting gear was inspected and found working satisfactorily.*

*Criteria satisfied*

- General inspection of the Barrage, control joints, and abutments to be carried out annually with maintenance scheduled for the following year.  
*No repairs required*

*Criteria satisfied*

- Radial Gates to be inspected five yearly and any painting requirements to be scheduled for the following year.  
*The gates have been painted during January to March 2011.*

*5 Yearly Criteria satisfied*

- The channel to be inspected for any blockages after major flood events, and the maintenance requirements to be scheduled for the following year.  
*There is no blockage in the channel.*

*Criteria satisfied*

- The structure to be thoroughly examined for any earthquake damage.  
*No damage due to earthquakes.*

*Criteria satisfied*

#### 11. Environment

- River management practices to conform to Regional Freshwater Plan, Regional Soil Plan, and Scheme Resource Consent conditions.  
*All work carried out according to the LWVDS Global Resource Consent. No incidents reported.*

*Criteria satisfied*

#### 12. Consultative

- Annual reports, Scheme financial statements, and works programmes to be adopted at Advisory Committee meetings.

*Criteria satisfied*

- Ratepayer satisfaction to be gauged at Ward meetings.  
*Ward meetings could not be held during this year due to flood damage work and the extra Advisory Committee meetings held for the Whakawiriwiri Stream project.*

*Criteria not satisfied*

- Annual rates, annual reports, and Scheme reviews to be approved by the Council.

*Scheme Annual rates & Reports have been approved by council.*

*Criteria satisfied*

- Consultation with the Department of Conservation, Wellington Fish and Game Council, and Tangata Whenua to be undertaken consistent with Scheme Resource Consent requirements.

*Criteria satisfied*

#### 13. Overall

- Council endorsement of Scheme management approach to be obtained in scheme reviews.  
*Scheme review was completed in June 2008 and was endorsed by the council.*

*Criteria satisfied*

- Scheme maintenance standards to be endorsed as part of the annual peer review process for Wairarapa river management practices.  
*No peer review was carried out during this financial year too, and there are no plans for regular yearly peer reviews at present.*

*This Criteria not applicable at present, and needs review*

- Overall Assets Condition.  
*Overall the assets are maintained in a satisfactory condition. No adverse comments received from either the Advisory Committee or the rate payers on the condition of assets.*

***Criteria satisfied***

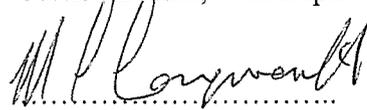
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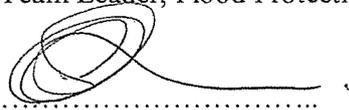
Approved by:

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Date: 25 August 2011