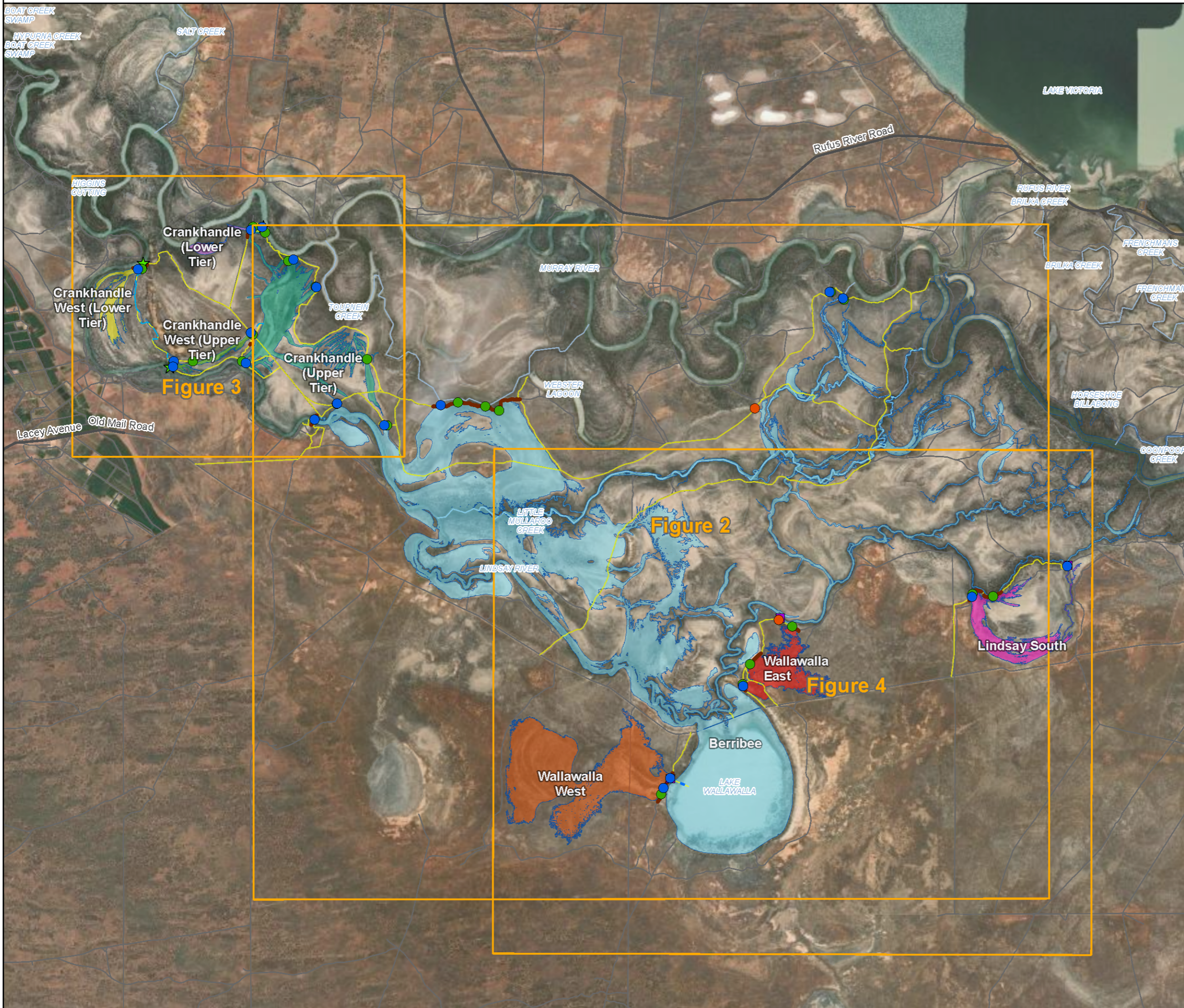


Figure 1: Lindsay Island - Key Plan - Operation and Water Movement



**Legend**

**Structure**

- Regulator
- Culvert
- Spillway
- ★ Drop Structure
- Hardstand
- Containment Bank
- - - Pipeline
- Channel
- Access Tracks
- Inundation Area (26/04/2020)
- Major Road
- Minor Road
- - - Channel / Drain
- Watercourse Stream

**DRAFT**

Spatial Reference  
 Name: GDA 1994 MGA Zone 54  
 Datum: GDA 1994  
 Projection: Transverse Mercator

Project No. IS297701

0 1000 2000 4000  
 Meters

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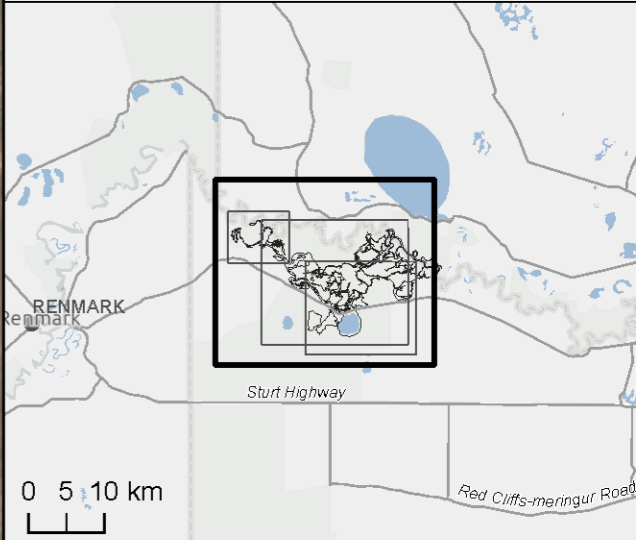
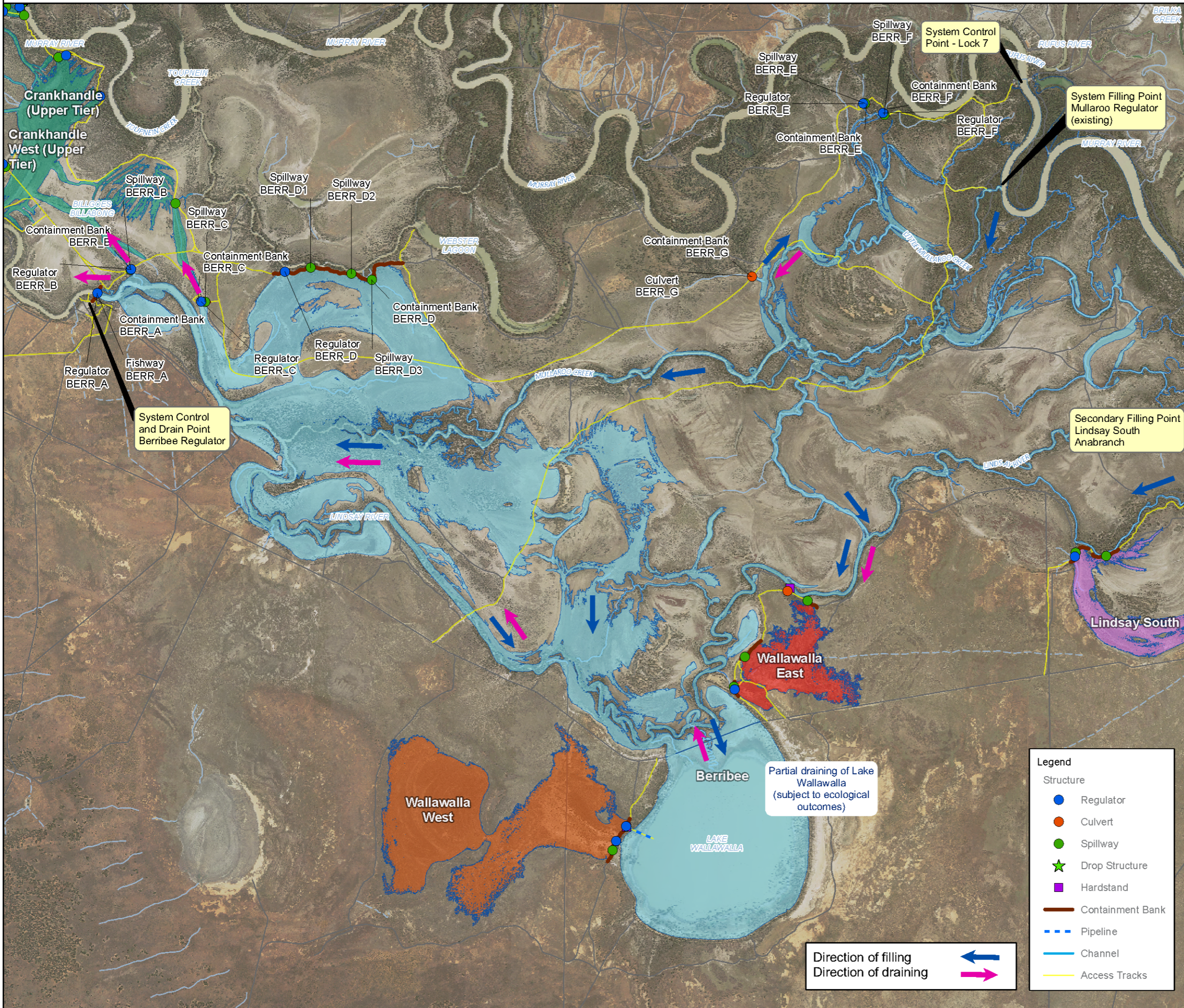


Figure 2: Lindsay Island - Berribee - Operation and Water Movement



**Berribee Area**  
 Maximum inundation level: 23.20 mAHD

**Interdependencies:** This WMA can be operated independently or in conjunction with other WMAs  
 Lock 7 water levels must be raised by 1.1m to enable the maximum inundation level to be achieved.

**Description of Operation:**

**Filling:** The WMA can be inundated via the operation of Berribee Regulator A, in conjunction with the raising of water levels at Lock 7.

**Draining:** The WMA can be partially drained by releasing water into the Crankhandle WMA via Berribee BERR\_B and BERR\_C regulators.  
 The WMA can be fully drained by opening Berribee Regulator and releasing water into the lower Lindsay Lake Wallawalla and other depressions which become disconnected from flow path dry via evaporation

**Gate Operation:**

**No environmental watering:**  
 All regulator gates to be left in the open position to allow natural flood flows to pass.

**Filling:**  
 BERR\_A regulator - gates and drop boards closed to achieve required inundation level.  
 BERR\_A, BERR\_B and BERR\_C regulators - gates are closed until releases into the Crankhandle WMA are required.

**Holding:**  
 All regulators - gates remain closed

**Draining:**  
 Berribee BERR\_A and BERR\_B regulators - gates and drop boards opened in accordance with operating protocols.

**DRAFT**  
 Project No. IS297701

Spatial Reference  
 Name: GDA 1994 MGA Zone 54  
 Datum: GDA 1994  
 Projection: Transverse Mercator

0 500 1000 2000  
 Meters

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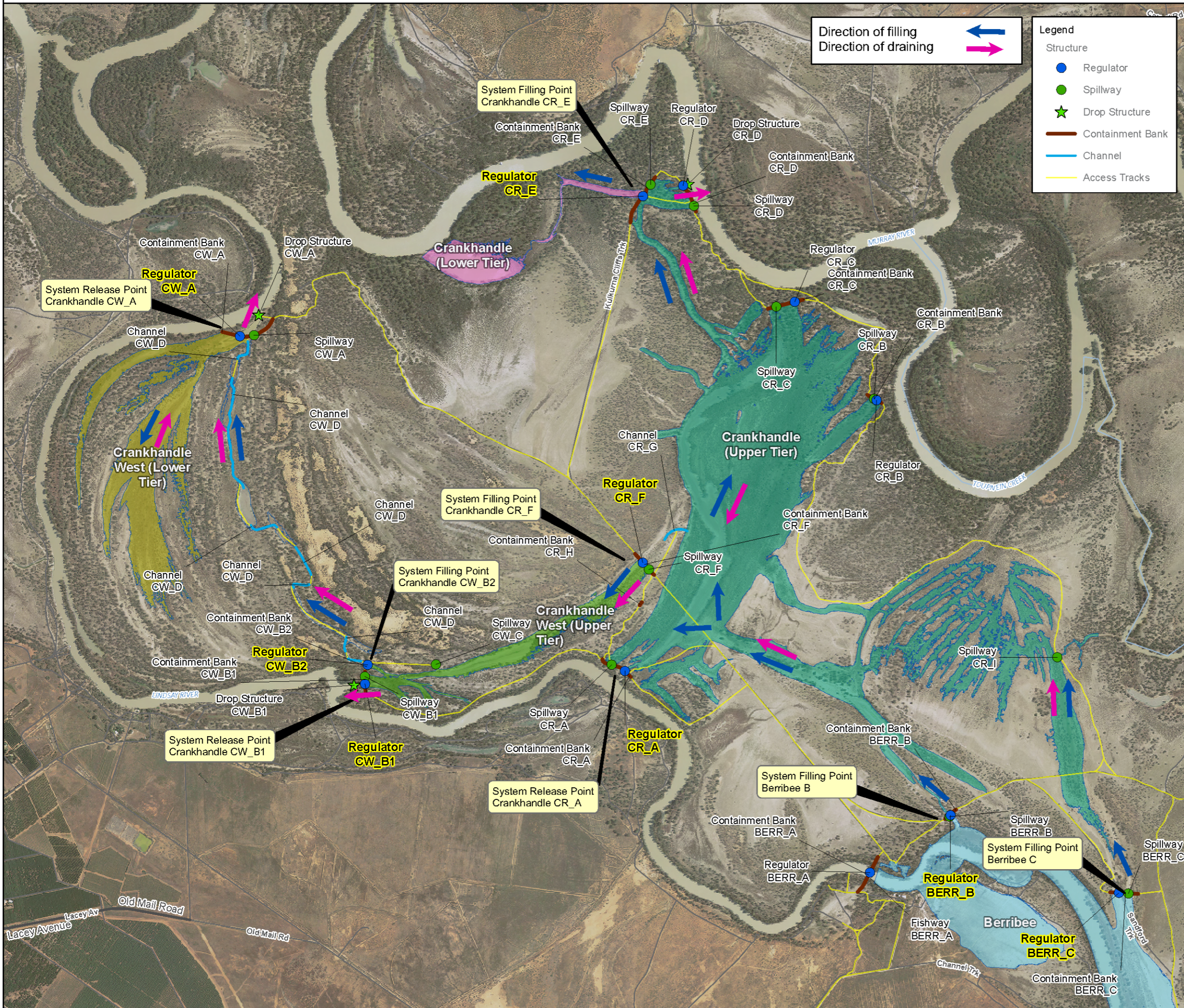


- Legend**
- Structure**
- Regulator
  - Culvert
  - Spillway
  - ★ Drop Structure
  - Hardstand
  - Containment Bank
  - - - Pipeline
  - Channel
  - Access Tracks

Direction of filling ← (blue arrow)  
 Direction of draining → (pink arrow)



Figure 3: Lindsay Island - Crankhandle Complex - Operation and Water Movement



Direction of filling  
Direction of draining

**Legend**

Structure

- Regulator
- Spillway
- ★ Drop Structure
- Containment Bank
- Channel
- Access Tracks

**Crankhandle Complex**

Maximum inundation levels:

- Crankhandle Upper: 22.6 mAHD
- Crankhandle Lower: 21.6 mAHD
- Crankhandle West (upper): 22.20 mAHD
- Crankhandle West (lower): 21.7 mAHD

Interdependencies: This WMA can only be operated in conjunction with the Berribee WMA.

Description of Operation:

Filling: The WMA's can be inundated through Berribee BERR\_B and BERR\_C regulators

Draining: The WMA's can be drained by opening regulators at the outlets of each area, including: Regulator CR\_D, Regulator CR\_E, Regulator CW\_B1, Regulator CW\_A

Crankhandle Lower Tier and other depressions which become disconnected from flow path dry via evaporation

Gate Operation:

No environmental watering:  
All regulator gates to be left in the open position to allow natural flood flows to pass.

Filling:  
Berribee BERR\_B and BERR\_C regulators - gates remain in open position until downstream complexes are filled to the required levels.  
Regulators CR\_F & CR\_E - gates are closed until maximum water level achieved, then flows regulated into downstream areas.  
Regulator CW\_B2 - gates are closed until maximum water level achieved, then flows regulated into downstream area.  
All other regulators - gates to be closed until draining is required

Holding:  
Berribee BERR\_B and BERR\_C - flows regulated through system to maintain water levels.

Draining:  
Gates at drainage points opened in accordance with operating protocols. Crankhandle Lower is held to evaporate / infiltrate

**DRAFT**

Spatial Reference  
Name: GDA 1994 MGA Zone 54  
Datum: GDA 1994  
Projection: Transverse Mercator

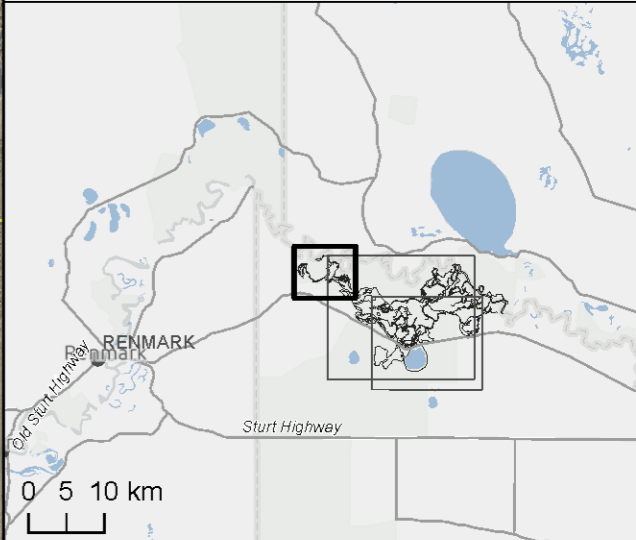
Project No. IS297701

0 250 500 1000  
Meters

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**Wallawalla East WMA**  
 Maximum inundation level: 25.20 mAHD

**Interdependencies:** This WMA can be operated in conjunction with the Berribee WMA or independently to the other WMAs.

**Description of Operation:**

**Filling:** The WMA can only be filled to the maximum level by temporary pumping or natural floods

**Holding:** Temporary pumping to maintain water levels

**Draining:** Water can be released back into Lindsay River.

**Gate Operation:**

**No environmental watering:**  
 Regulator gates to be left in the open position to allow natural flood flows to pass

**Filling:**  
 Regulator WE\_A closed  
 Water pumped in at Hardstand WE\_D via Culvert WE\_D

**Holding:**  
 Water held behind containment bank/s

**Draining:**  
 Regulator WE\_A opened

**Lindsay South WMA**  
 Maximum inundation level: 24.40 mAHD

**Interdependencies:** This WMA can only be operated in conjunction with the Berribee WMA.

**Description of Operation:**

**Filling:** The WMA can only be filled to the maximum level by temporary pumping or natural floods

**Holding:** Temporary pumping to maintain water levels

**Draining:** Water can be released back into Lindsay South Creek.

**Gate Operation:**

**No environmental watering:**  
 Regulator gates to be left on the open position to allow natural flood flows to pass

**Filling:**  
 Regulator LS\_A1 closed  
 Water pumped in at Hardstand LS\_C via Regulator LS\_B

**Holding:**  
 Water held behind containment bank/s

**Draining:**  
 Regulator LS\_A1 opened

**Wallawalla West WMA**  
 Maximum inundation level: 24.70 mAHD

**Interdependencies:** This WMA can only be operated in conjunction with the Berribee WMA.

**Description of Operation:**

**Filling:** The WMA can only be filled to the maximum level by temporary pumping or natural floods

**Holding:** Temporary pumping to maintain water levels

**Draining:** Water to be retained on the floodplain and allowed to evaporate/infiltrate

**Gate Operation:**

**No environmental watering:**  
 Regulator gates to be left on the open position to allow natural flood flows to pass

**Filling:**  
 Regulator WW\_A1 closed  
 Water pumped in at Hardstand/Pipeline WW\_B via Regulator WW\_A2

**Holding:**  
 Water held behind containment bank/s

**Draining:**  
 Not applicable

**Legend**

**Structure**

- Regulator
- Culvert
- Spillway
- Hardstand
- Containment Bank
- - - Pipeline
- Access Tracks

DRAFT

Project No. IS297701

Spatial Reference  
 Name: GDA 1994 MGA Zone 54  
 Datum: GDA 1994  
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0 500 1000 2000  
 Meters

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