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# INLAND RAIL COMMUNITY CONSULTATIVE COMMITTEE

Illabo to Stockinbingal

28 July 2022

## ACKNOWLEDGMENT OF COUNTRY

Inland Rail acknowledges the Traditional Custodians of the land on which we work, and pays our respects to Elders past and present.

# PRESENTATION OVERVIEW

## Project Update

- Melvyn Maylin – A2P Project Director

## Environmental Impact Statement Update

- Kirsten Velthuis – I2S Senior Environmental Advisor

## Hydrology update

- Karen Brakell – Principal Water Resources Engineer WSP

## Stakeholder Engagement Update

- Grant Johnson – I2S Stakeholder Engagement Lead

## Questions

An aerial photograph of a long freight train stretching across a vast, flat, agricultural landscape. The train is composed of numerous dark-colored freight cars, with a locomotive at the front. The surrounding area consists of large, open fields with some scattered trees in the distance. The overall tone is dark and monochromatic, with a teal square on the left side.

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# ILLABO TO STOCKINBINGAL PROJECT UPDATE

Melvyn Maylin  
Project Director

# I2S PROJECT UPDATE

## Activity since February CCC meeting:

1. Continued development of Environmental Impact Statement
  - Addressing review comments from Department of Planning and Environment (DPE), including updates to temporary workforce accommodation camp and hydrology modelling
2. Formal Property Acquisition Process
  - Completed all property valuation inspections on all properties along I2S alignment
  - Proceeding with Offer Letters
3. Contract procurement commenced

# CURRENT STATUS

- DPE adequacy review
  - Worker accommodation
  - Hydrology update
- Property Acquisition
- Design & Construct contractor shortlisted
  - Main works contract documentation under preparation

# PROPERTY ACQUISITION AND NEXT STEPS

- All directly impacted landowners have now engaged
- Property valuation inspections completed for all properties
- Offers being progressively issued by TfNSW
- Four offers accepted and contracts either executed or progressing
- Six further offers issued to landowners



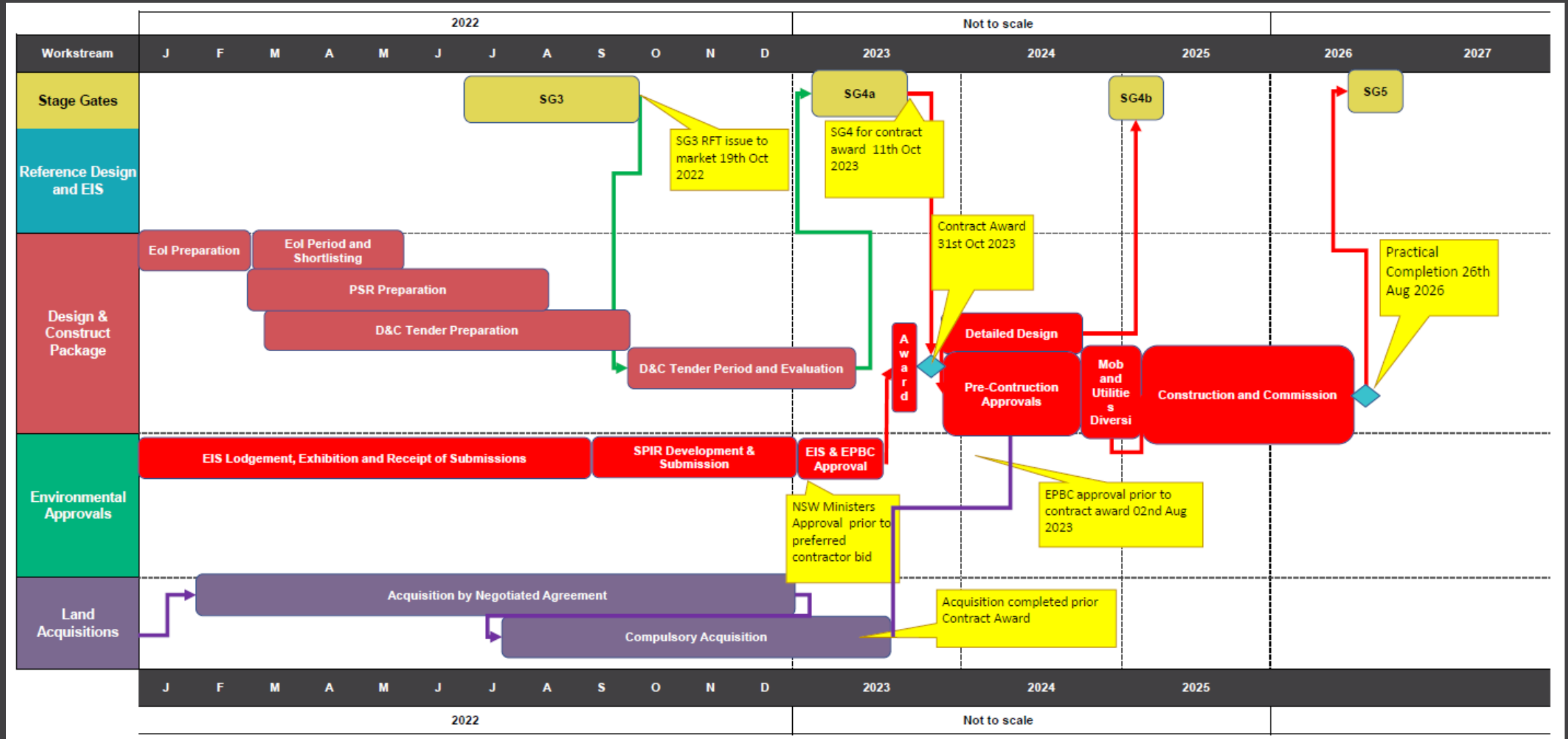
# WHAT NEXT

| ACTIVITY                                  | DATE                  |
|-------------------------------------------|-----------------------|
| Property Acquisition Discussions          | Ongoing               |
| EIS Public Exhibition                     | September 2022 (TBC)* |
| Response to submissions                   | Early-2023 (TBC)*     |
| EIS Approval                              | Mid-2023 (TBC)*       |
| Short List of Contractors                 | Complete              |
| Commence tender                           | October 2022          |
| Award Design and Construct (D&C) Contract | Late-2023*            |
| Construction period                       | Late 2024 – late 2026 |

\*Dates determined by the DPE



# I2S HIGH LEVEL SCHEDULE



An aerial photograph of a rural landscape, showing a dirt road that curves through fields. In the distance, a train is visible on a set of tracks. The image is in grayscale, with a teal square on the left side.

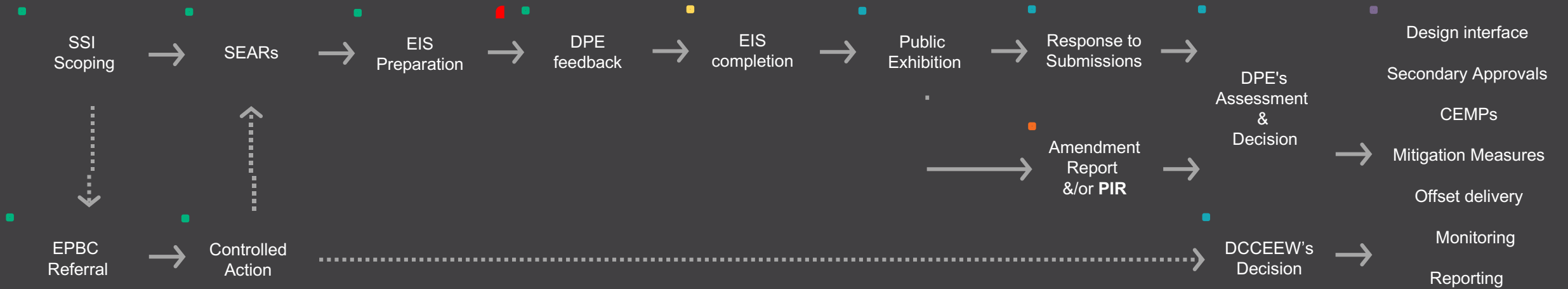
# ILLABO TO STOCKINBINGAL ENVIRONMENTAL IMPACT STATEMENT UPDATE

Kirsten Velthuis

I2S Senior Environmental Advisor

# APPROVAL PATHWAY

- I2S is Critical State Significant Infrastructure
- Minister for Planning uses the EIS to assesses and determine the Project
- Focus in 2022 on finalising the EIS
- Post approval tasks critical to successful delivery of the project



# EIS ADEQUACY REVIEW

## EIS updated based on adequacy review comments:

- Refined hydrology and flood modelling
- Workforce temporary accommodation camp
- Construction timeframes updated
  - Commence mid-2024, completion mid/late 2026
  - Peak workforce is 425
  - Workforce <150 for at least half of construction period



# TEMPORARY WORKFORCE ACCOMMODATION CAMP

## Site selection process:

- Stockinbingal preferred location due to proximity to bulk of construction work
- Suitably sized sites in Stockinbingal assessed against multiple environmental criteria
- Site with least environmental impact identified as preferred accommodation camp site
- Located north-west Stockinbingal on Grogan Road

# TEMPORARY WORKFORCE ACCOMMODATION CAMP

## Camp assessment and mitigation included in I2S EIS:

- Good connection to road network
- Nearest resident is about 500 m away
- Existing connections to electricity and water
- Waste/wastewater will be disposed offsite
- Two entry/exits planned from Grogan Rd
- Workers bussed to/from construction sites
- Implementing a Social Impact Management Plan
- Camp demobilised & rehabilitated after completion



An aerial photograph of a railway track curving through a rural landscape. The track is flanked by fields and a line of trees. A train is visible on the track, moving away from the viewer. The overall scene is in grayscale, with a teal square on the left side.

# ILLABO TO STOCKINBINGAL ENVIRONMENTAL IMPACT STATEMENT UPDATE

Karen Brakell

WSP Principal Water Resources Engineer

# HYDROLOGY AND FLOODING UPDATE

## Agenda:

- Flood model updates
- Flood impact criteria updates
- Model results
- Summary of update
- Next steps

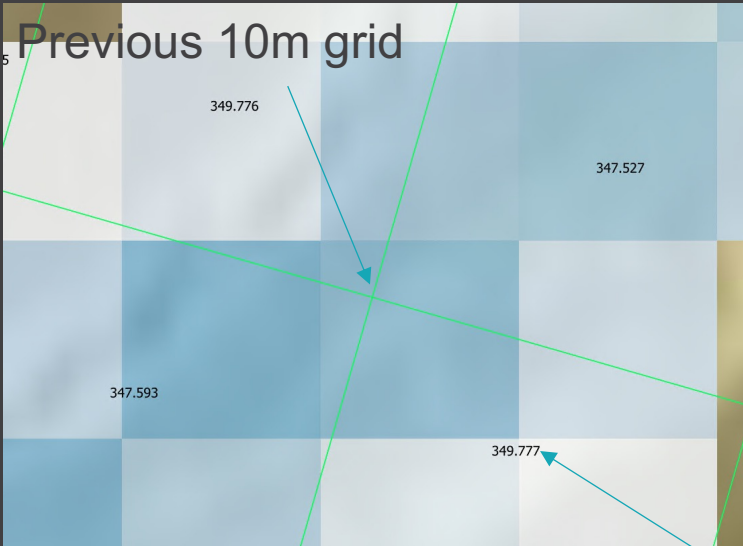


# HYDROLOGY AND FLOODING UPDATE

## Flood Model updates include:

- Finer grid – this means more data points to represent surface levels
- Existing levees through Stockinbingal included
- Survey of structures – completed for a number of buildings
- Peer review completed
- Sensitivity testing of blockage of culverts

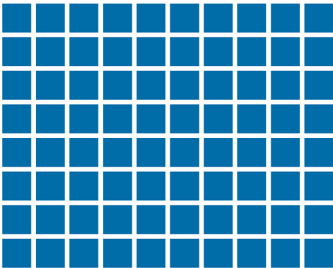
# HYDROLOGY AND FLOODING UPDATE



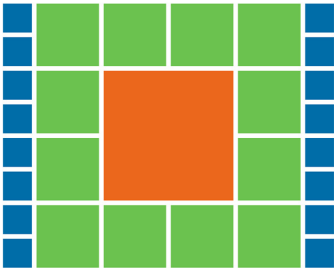
Creek location of grid cell information

## Theoretical presentation of grid

80 Cells



29 Cells (64% reduction)



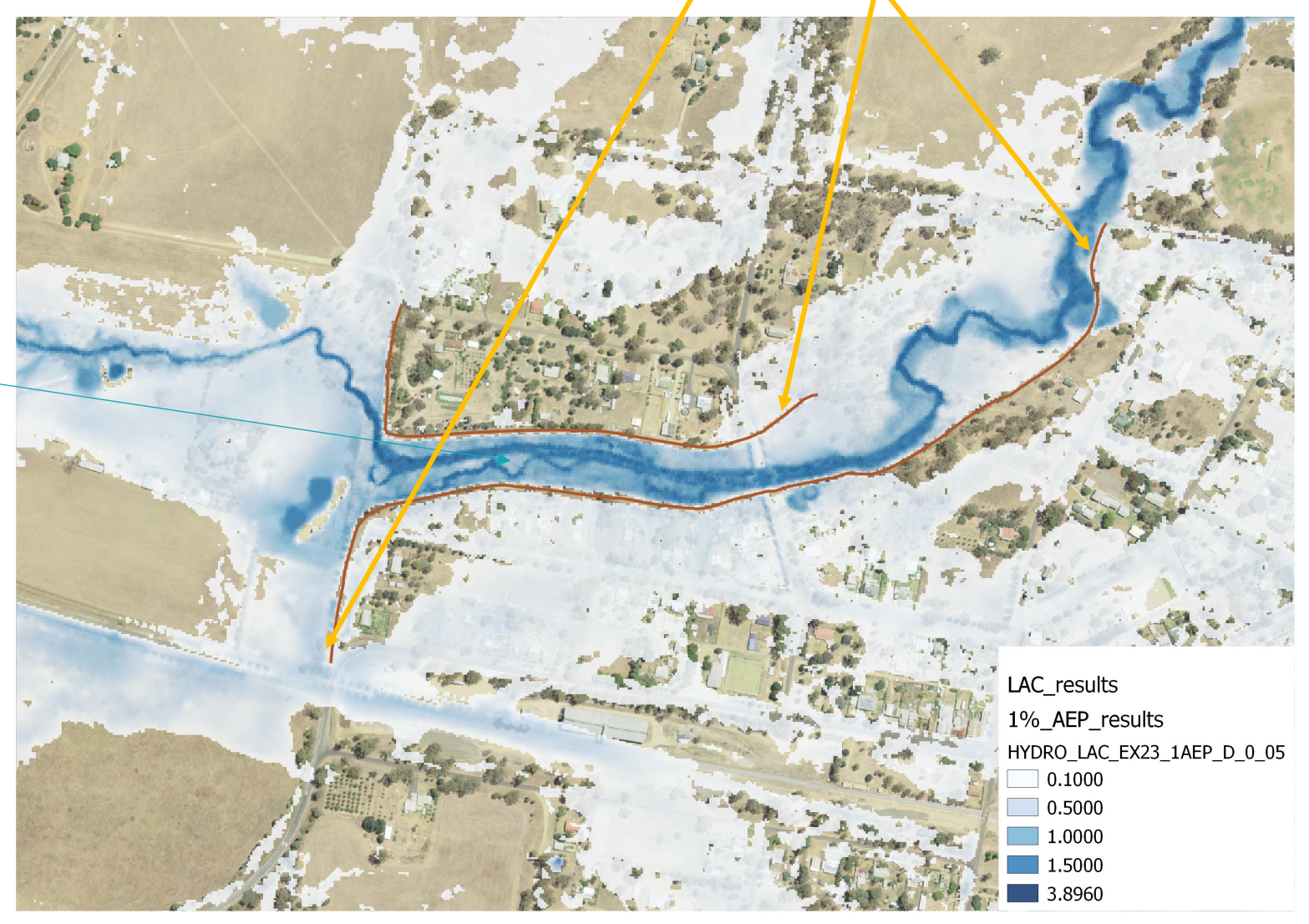
Height of cell centre point



# STOCKINBINGAL LEVEES

Overtopping

Multi channels



# PEER REVIEW

## Peer review:

- Completed
- Responses and models accepted as suitable for reference design
- Two outstanding issues:
  - Blockage of culverts – complete sensitivity testing
  - Flood volumes at Billabong Creek – resolved

# CULVERT BLOCKAGE



me



General photo

10/01/2009

# DESIGN FLOOD CRITERIA

## Flood Aspect

### Description - criteria

### Criteria examples

#### Height

Based on a comparison of existing conditions against the results with the project included. Criteria is different for different receptors and existing flood affectation.

Residential house currently flooded above floor – no more than 10mm  
Other structures – 20mm  
Roads (highway) – no change  
Roads (<80km/hr) -100mm  
Paddock (grazing)– no more than 300mm

#### Speed (velocity)

The speed of the water can effect the erosion of land and damage to infrastructure. A speed of 1m/s has shown to erode uncompacted soil.

Design to maintain velocities below **0.5m/s.**

Erosion of soil



# HYDROLOGY AND FLOODING UPDATE

## Flooding assessment outcomes:

- Improved understanding of flood affectation across the project area
- Future climate considerations

## Results:

- Presented as maps
- Events – range from small 20% chance of happening to the probable maximum flood

## Summary:

- No new flood impacts
- No changes to flooding at any roads across the project

# HYDROLOGY AND FLOODING UPDATE



ILLABO TO STOCKINBINGAL 0.2EY Existing Flood Depths and Levels

Map 1 of 9





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**Existing flood velocity (m/s)**

- <= 0.5
- 0.5 - 1.0
- 1.0 - 1.5
- 1.5 - 2.0
- > 2.0

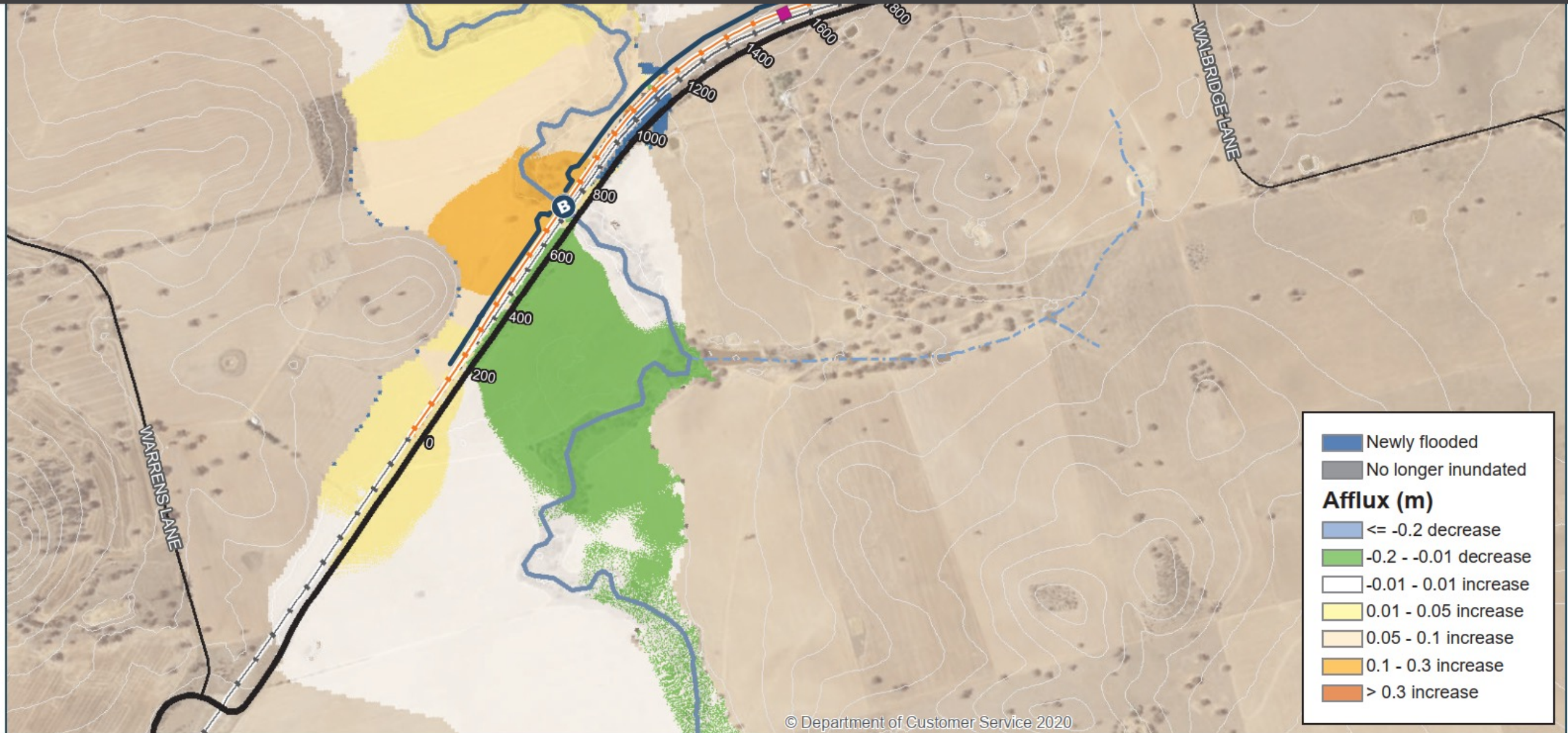
**ILLABO TO STOCKINBINGAL 1% AEP Flood Existing Velocity**



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**ILLABO TO STOCKINBINGAL 1% AEP Flood Afflux**

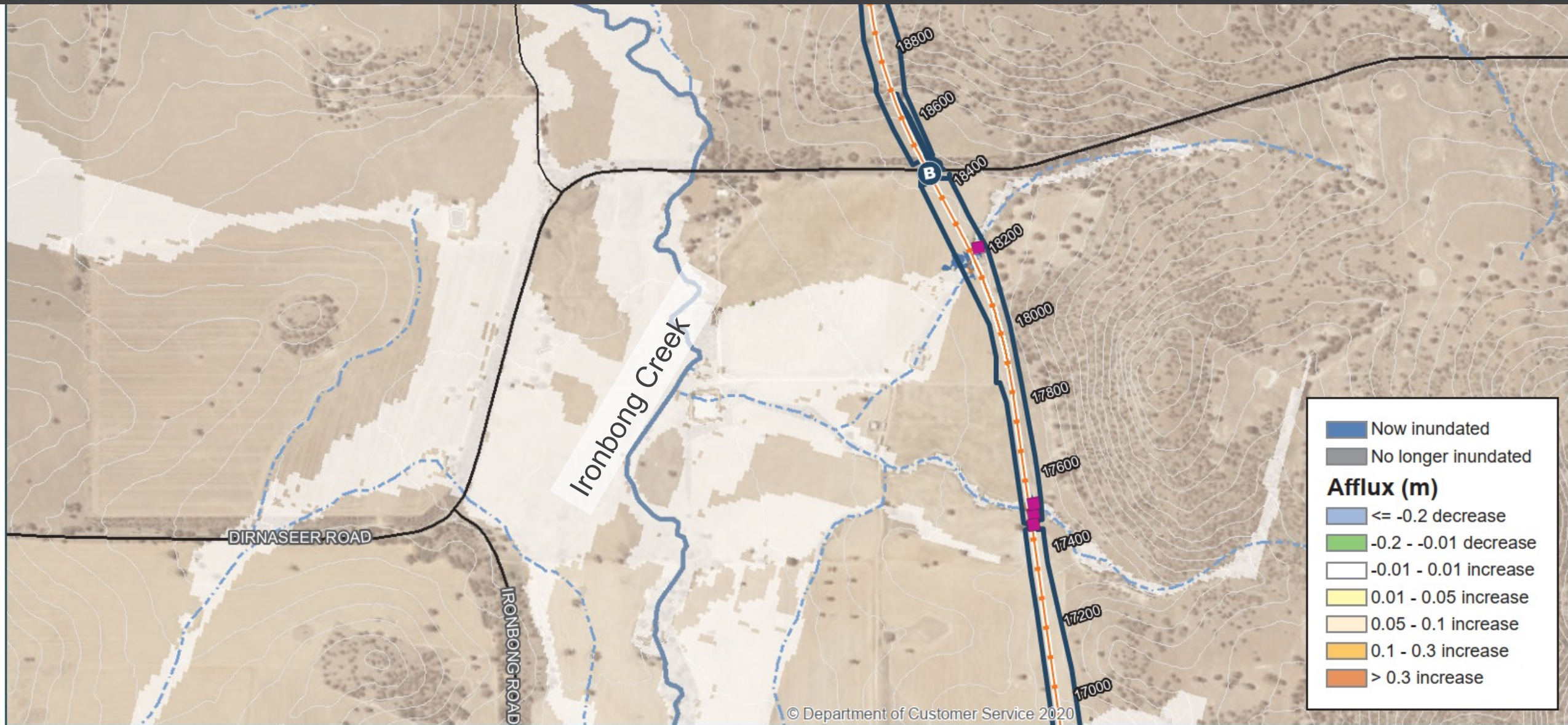
Map 1 of 9



ILLABO TO STOCKINBINGAL 0.2EY Existing Flood Depths and Levels

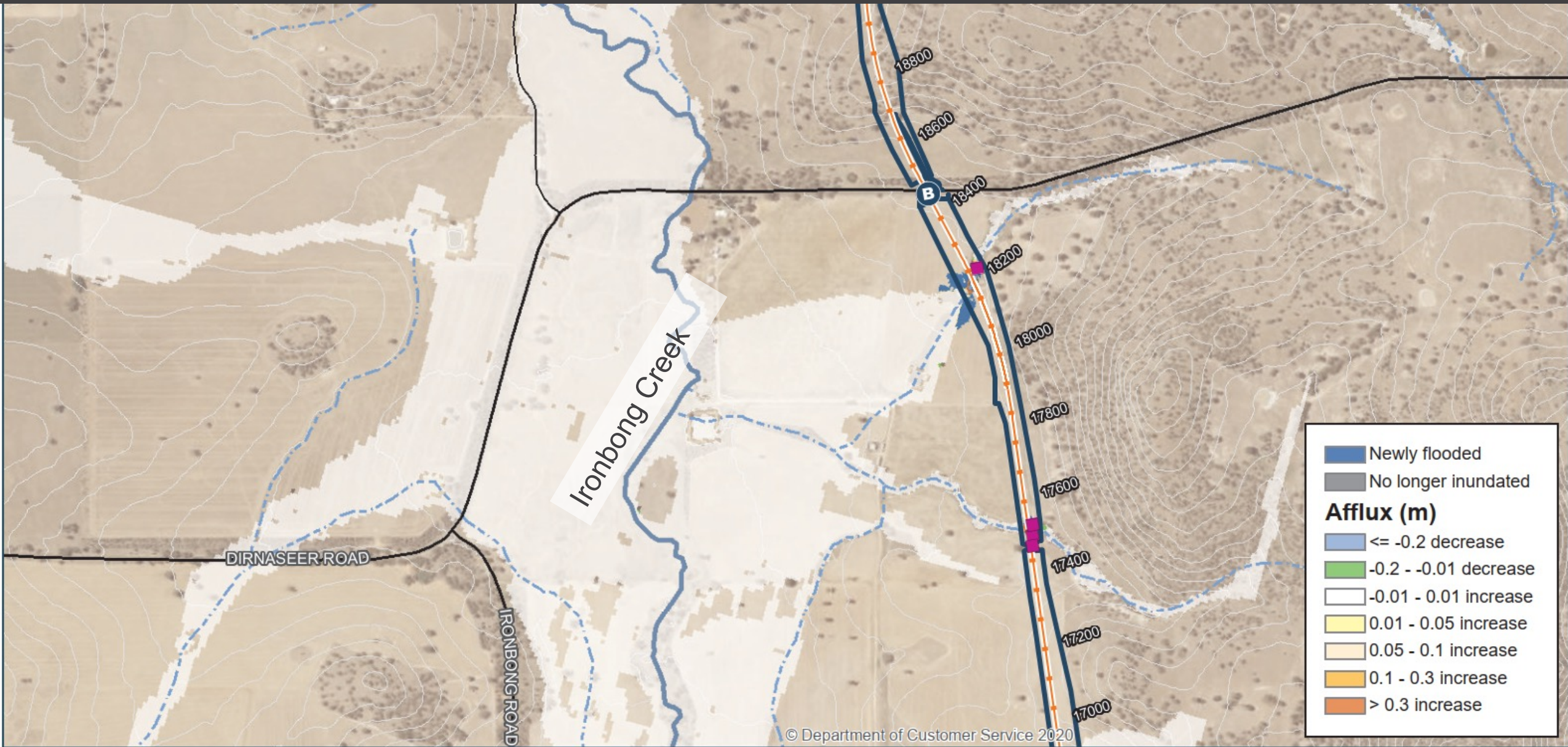


ILLABO TO STOCKINBINGAL 1% AEP Existing Flood Depths and Levels



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ILLABO TO STOCKINBINGAL 1% AEP Flood Afflux

# HYDROLOGY AND FLOODING UPDATE

## Next steps:

- Revised hydrology and flooding report submitted as part of the Environmental Impact Assessment



# ILLABO TO STOCKINBINGAL STAKEHOLDER ENGAGEMENT UPDATE

Grant Johnson

I2S Stakeholder Engagement Lead

# STAKEHOLDER ENGAGEMENT UPDATE

## Completed engagement activities since February 2022:

- CCC Meeting held in February in Cootamundra
- CCC Update via email (13 May)
- Ongoing property acquisition discussions with landowners including all property valuation inspections completed
- Stockinbingal Model Train Event (18 – 19 June)
- Engagement with Councils on wastewater treatment for temporary workforce accommodation camp and acquisitions at road-rail interfaces



Stockinbingal Model Train Event  
18 – 19 June 2022

# A2I PROJECT UPDATE: JULY 2022 ENHANCEMENT PROJECT

## Environmental Impact Statement

- Department of Planning and Environment (DPE) adequacy review completed
- EIS on public exhibition Q3 CY2022

## Procurement update

- Three shortlisted contractors
- Request for proposal (RFP) released June 2022
- Industry briefings held in Albury and Wagga Wagga

## Early works

- Utility relocations
- Commencing late August



# S2P PROJECT UPDATE: JULY 2022 ENHANCEMENT PROJECT

## Approvals

- Works packages assessed and approved under a Review of Environmental Factors (REF) process

## Procurement update

- Three shortlisted contractors
- Request for proposal (RFP) released June 2022
- Industry briefing held in Forbes

## Early works

- Utility relocations
- Commenced and ongoing



# ENGAGEMENT AND CONSULTATION NEXT STEPS

## Indicative timing:

- Continued engagement with landowners about property acquisition
- August 2022: Further engagement with Indigenous Community Groups including Local Aboriginal Land Councils (LALC)
- September 2022 (TBC): Public Exhibition of EIS and how to make submissions
  - Education Campaign
  - Summary of Findings
  - Podcast
  - Public drop-in sessions



Stockinbingal Grain Silos

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Questions?



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THANK YOU