

<b>Project:</b>	Woodburn to Ballina Pacific Highway Upgrade	<b>Reference:</b>	00561130
<b>Meeting</b>	FOCUS GROUP – FLOODING – Meeting No.5	<b>Date:</b>	12 July 2005

**Present: Apology: Name: Group/ Organisation:**

Present:	Apology:	Name:	Group/ Organisation:
✓		Brian Eggins	Richmond Valley Council
		Michael Wood	Richmond River County Council
✓		Tony Carusi	Richmond River Cane Growers Association
✓		Jack Matthes	Citizen
✓		Bert Plenkovitch	Richmond River Cane Growers Association and SES
	✓	David Macdonald	Citizen
✓		Mark Graham	Total Environment Centre
✓		Paul Busmanis	Ballina Council
✓		Bill Morehouse	Lismore City Council
✓		Jim McCormack	SES Controller
✓		Toong Chin	DIPNR
	✓	Paul Muldoon	Richmond River County Council
✓		Paul Davis	Hyder Consulting
✓		Harry Batt	Hyder Consulting
✓		Annette Ross	Hyder Consulting
✓		Rob Peterson	Brown Consulting
✓		Toby Heys	Roads and Traffic Authority
✓		Daniela Payne	GeoLINK
<b>Recorded By:</b>	Daniela Payne, GeoLINK		<b>Total Pages:</b> 3

## **WOODBURN TO BALLINA – FOCUS GROUP – FLOODING NOTES OF MEETING NO.5 – TUESDAY 12 JULY 2005**

Paul Davis opened the meeting at approximately 5pm, and welcomed members.

### **ITEM 1 Apologies**

Apologies were recorded for David Macdonald.

### **ITEM 2 Previous meeting notes**

The previous meetings notes were accepted, without comment.

### **ITEM 3 Discussion of Additional CLG Flood Free Route (Paul Davis, Hyder)**

Paul advised that Hyder had carried out further analysis on the CLG flood free route.

The following objectives were used in the analysis:

- Ensure that flood level increases during a 100 year ARI flood were restricted to a maximum of 50mm.
- Limit the effects on flood inundation times across the floodplain.
- In areas outside of the floodplain, cross drainage is to convey the 100 year ARI peak flow.

Prior to carrying out the analysis Hyder optimised the route by making minor changes to the alignment to give it the best possible chance of being feasible. Reasons for changes included:

- To reduce the impact on National Parks
- To reduce the impact on SEPP 14 wetlands
- To reduce topographical conflicts (i.e. very large cuts on the Southern side of the river)

Paul clarified the relationship between the local river gauge survey datum of LWOST and AHD, as there had been some confusion in regards to the relationship. Advice received from Ballina Council surveyors was that:

$$\text{AHD} = \text{LWOST} - 0.861\text{m}$$

### **ITEM 4 Modelling of Additional CLG Flood Free Route Option (Rob Peterson, Brown Consulting)**

Rob presented the management works required for the optimised CLG flood free route. These included:

- 750 m bridge across the Richmond River downstream of Broadwater.
- 630 m bridge across the Evans River
- Additional openings south of the Evans River of 23 m and 57 m to attenuate flows from local catchments.

Flood model difference maps were presented for the route for the 5, 20 and 100 year ARI flood events, showing that afflux was restricted to a maximum of 50 mm.

Rob also advised that the flood difference map for the 1 in 100 year flood for option 1C had been updated. The updated map showed that route met the objectives for afflux.

### **ITEM 5 Photographs of the recent flood event within the study area (Mark Graham)**

Mark Graham presented digital photographs of recent flooding in the area surrounding Bingal Creek (between Wardell Road and Lumleys Road in the Coolgardie ridge area). He stated that the Bingal creek area was very slow draining and resulted in 2 days of inundation during this past few weeks,

It was agreed that this information was valuable and would be shared within the group.

It was also advised that the work that had been carried out to date was for a comparative analysis between route options. The preferred route would undergo further refinement, design and analysis once it was chosen.

**ITEM 6 Closure of meeting (Harry Batt, Hyder)**

Harry reminded all members that comment that would allow their position to be better presented at the upcoming VMW was welcome anytime, but especially at this time.

Harry thanked the members for their input and drew the meeting to a close at approximately 6:30pm. Further focus groups would be arranged when they were required.