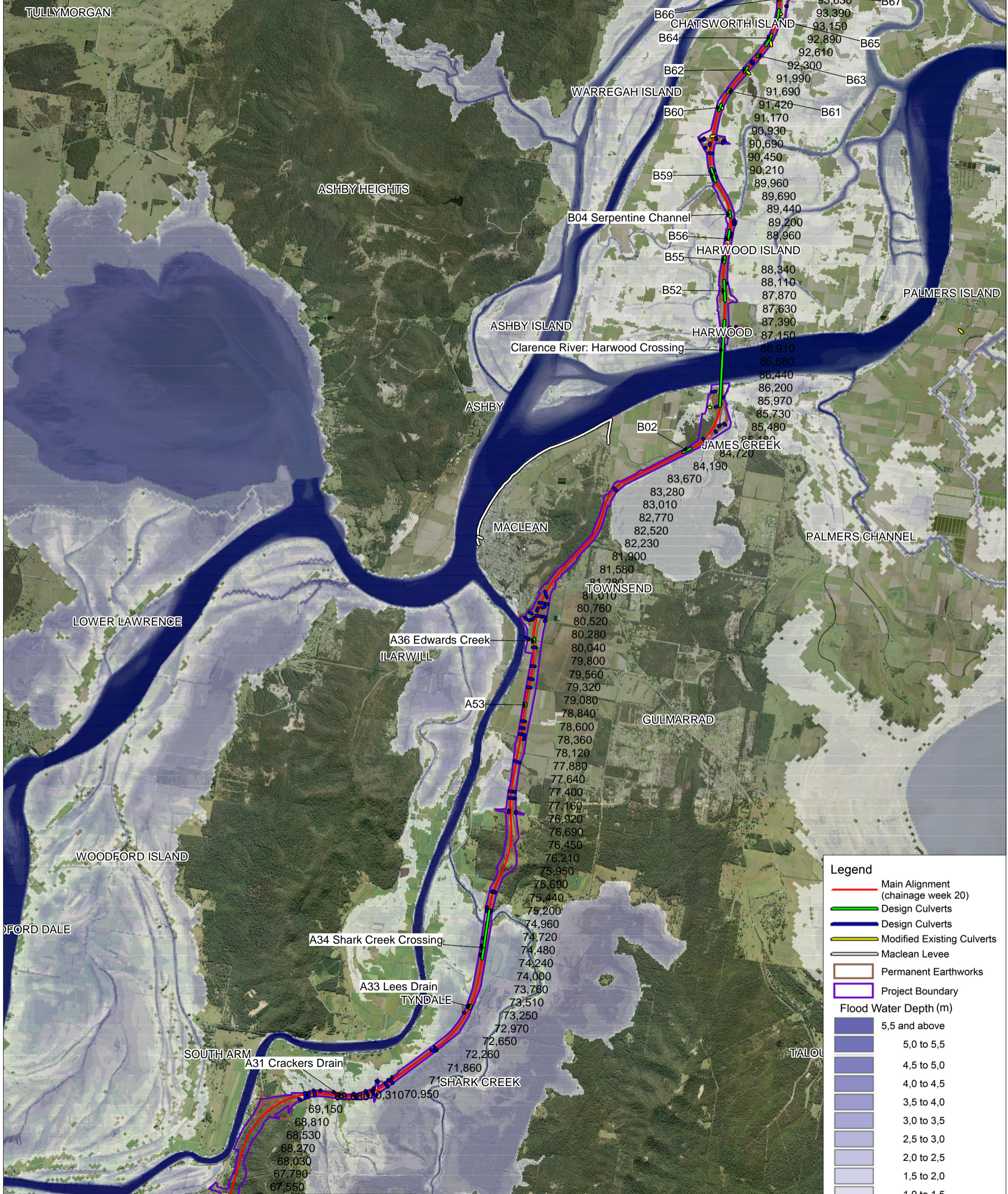


## **Appendix B**

### **Existing conditions flood maps for Clarence River regional floodplain**

**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B001  
 Revision: A - DRAFT  
 Portion/Section: A&B/Overview  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

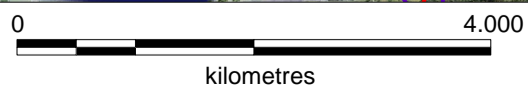


**Legend**

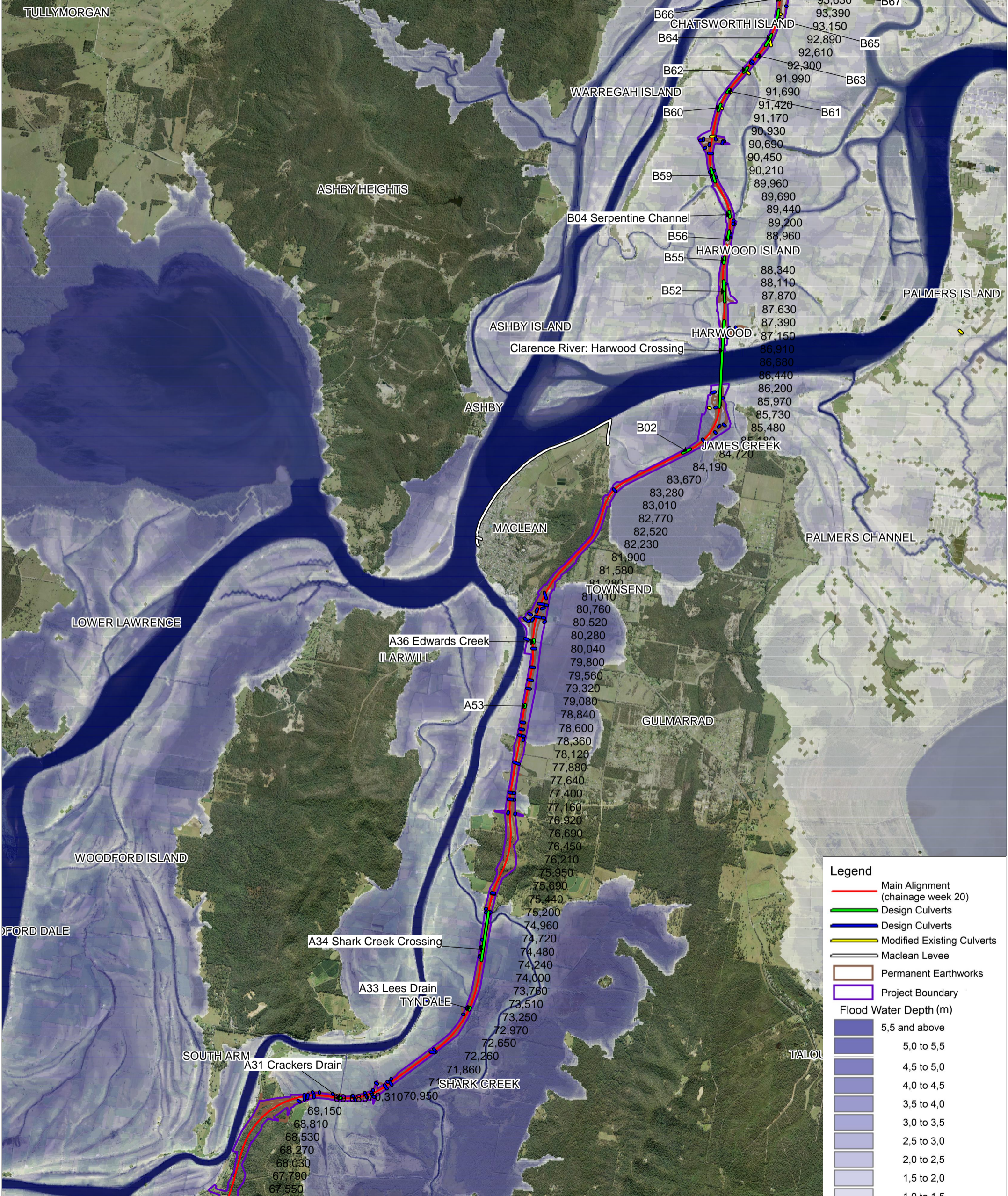
- Main Alignment (chainage week 20)
- Design Culverts
- Design Culverts
- Modified Existing Culverts
- Maclean Levee
- Permanent Earthworks
- Project Boundary

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B002  
 Revision: A - DRAFT  
 Portion/Section: A&B/Overview  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q020\_E07a  
 Event: 20 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

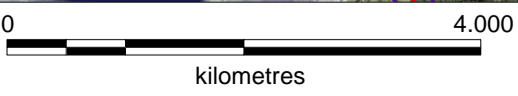


**Legend**

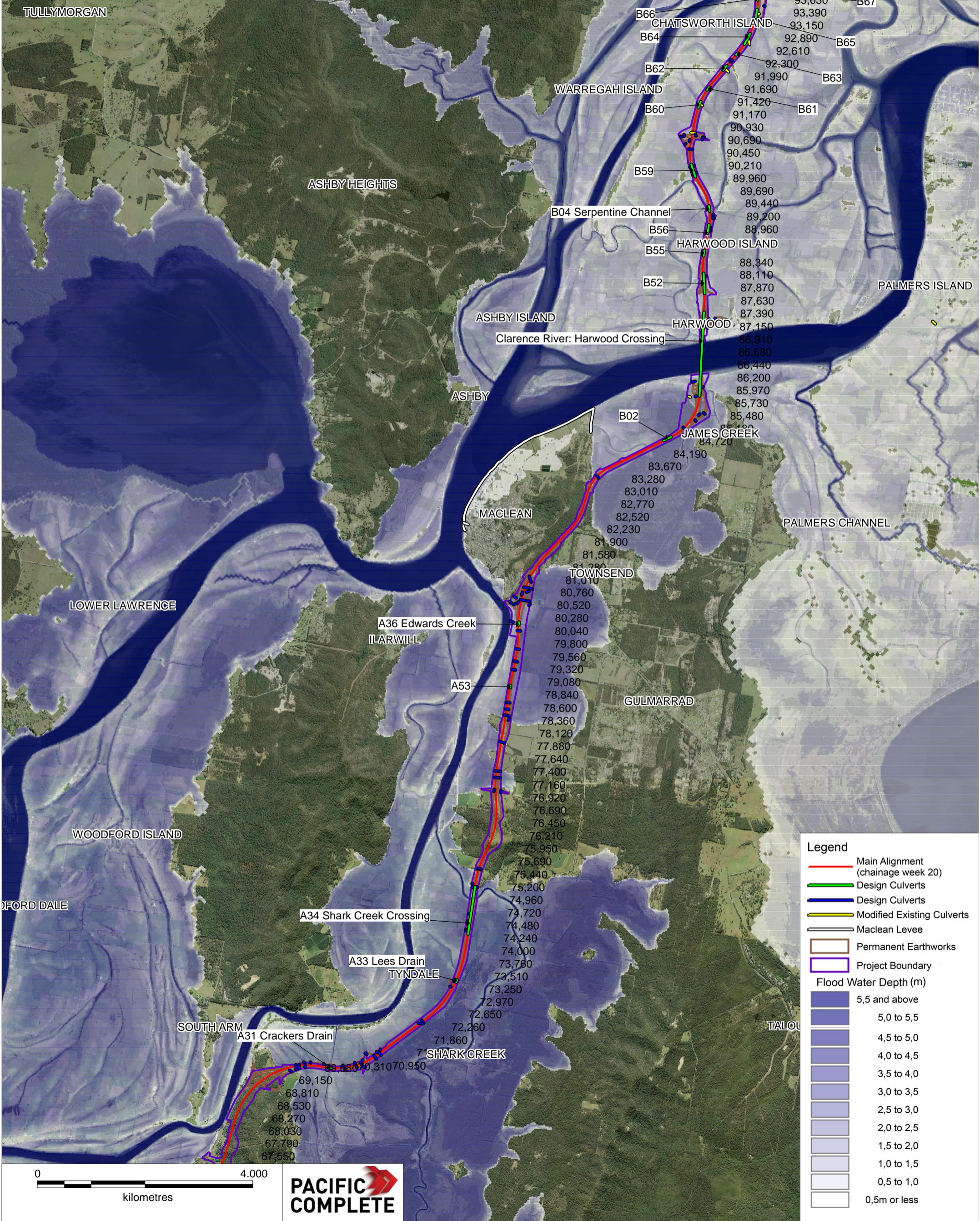
- Main Alignment (chainage week 20)
- Design Culverts
- Design Culverts
- Modified Existing Culverts
- Maclean Levee
- Permanent Earthworks
- Project Boundary

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B003  
 Revision: A - DRAFT  
 Portion/Section: A&B/Overview  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
 Event: 50 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

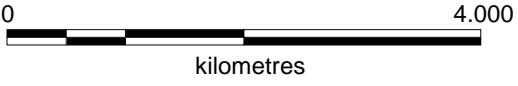


**Legend**

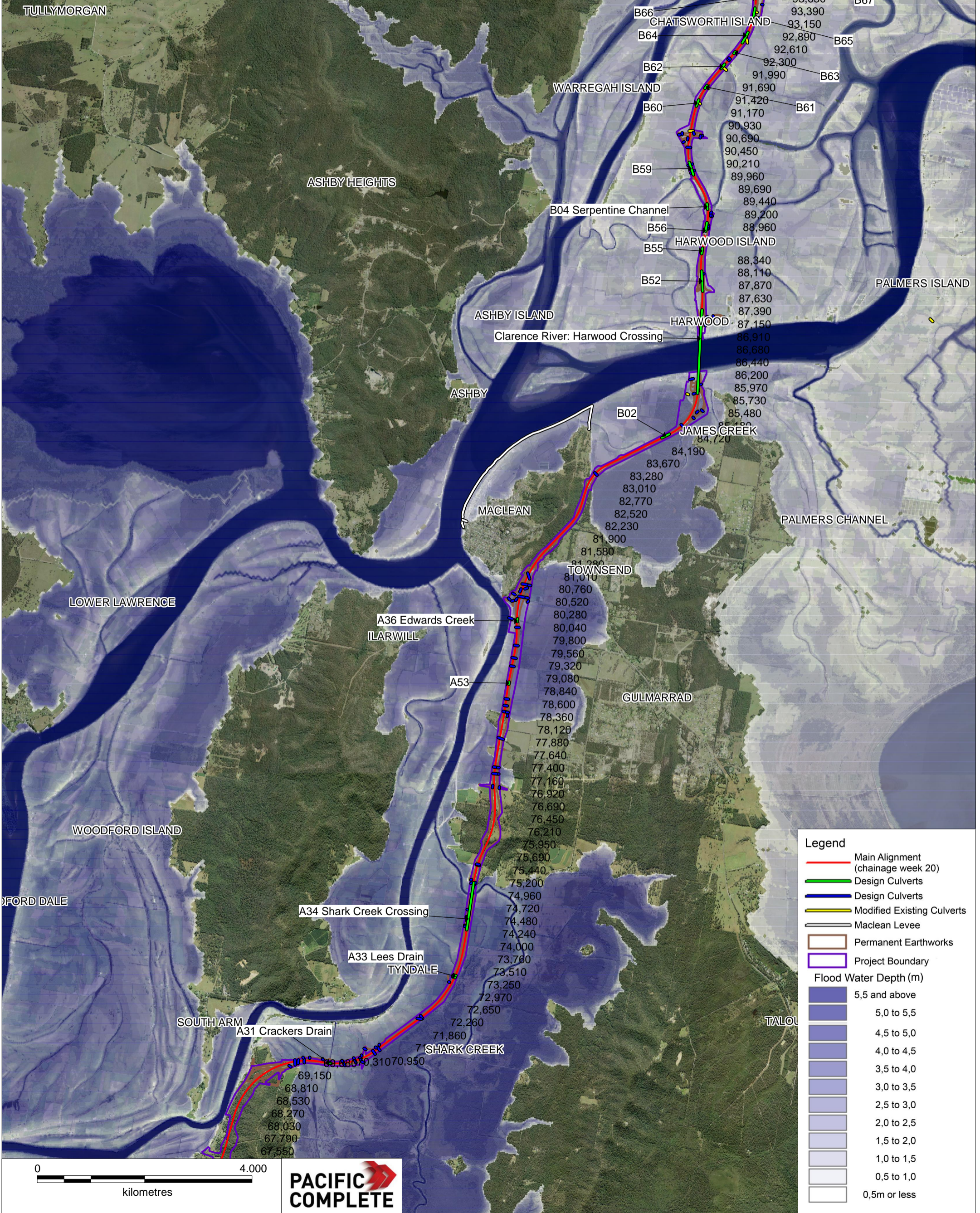
- Main Alignment (chainage week 20)
- Design Culverts
- Design Culverts
- Modified Existing Culverts
- Maclean Levee
- Permanent Earthworks
- Project Boundary

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



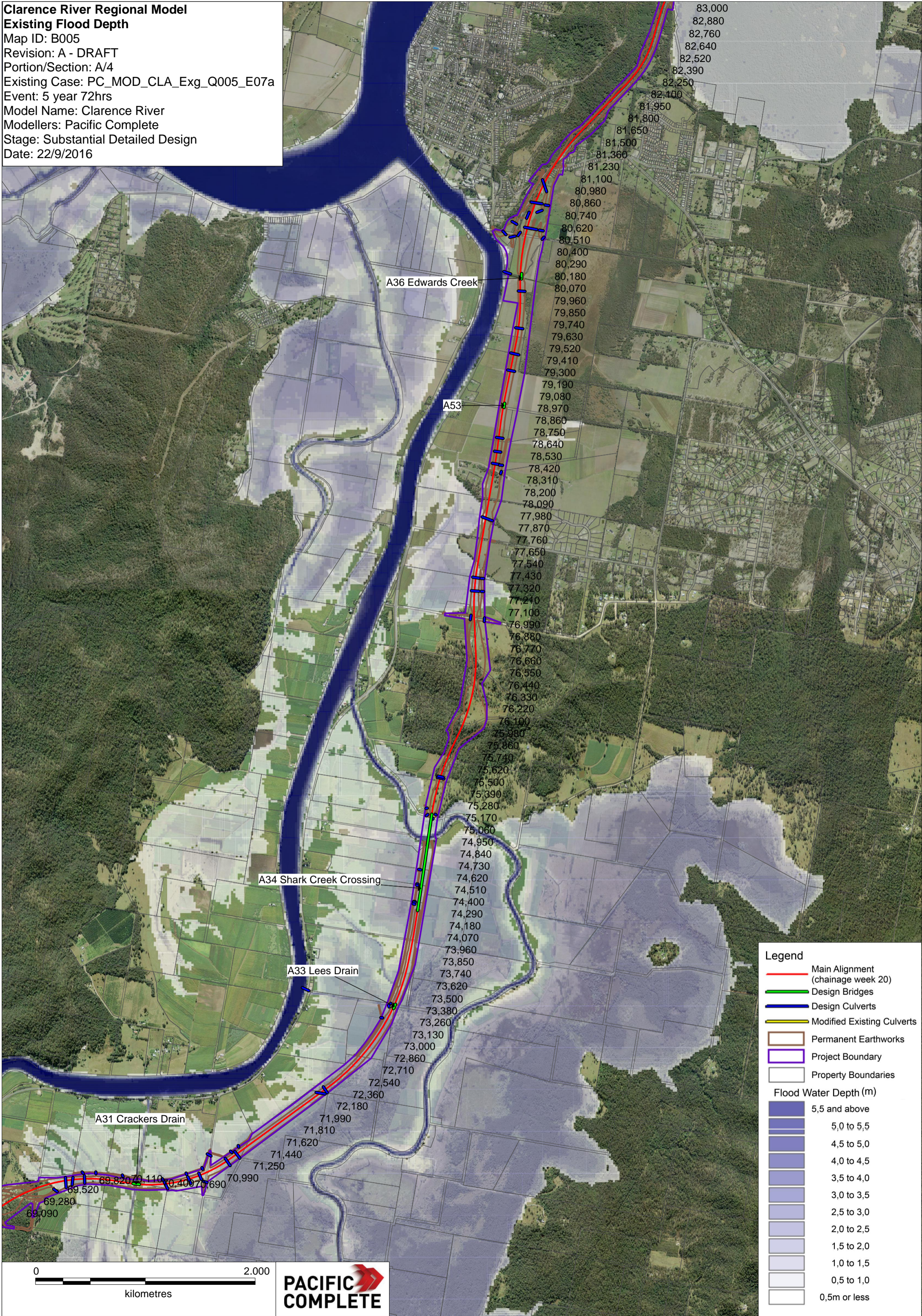
**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B004  
 Revision: A - DRAFT  
 Portion/Section: A&B/Overview  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q100\_E07a  
 Event: 100 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



0 4.000  
 kilometres



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B005  
 Revision: A - DRAFT  
 Portion/Section: A/4  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



83,000  
 82,880  
 82,760  
 82,640  
 82,520  
 82,390  
 82,250  
 82,100  
 81,950  
 81,800  
 81,650  
 81,500  
 81,360  
 81,230  
 81,100  
 80,980  
 80,860  
 80,740  
 80,620  
 80,510  
 80,400  
 80,290  
 80,180  
 80,070  
 79,960  
 79,850  
 79,740  
 79,630  
 79,520  
 79,410  
 79,300  
 79,190  
 79,080  
 78,970  
 78,860  
 78,750  
 78,640  
 78,530  
 78,420  
 78,310  
 78,200  
 78,090  
 77,980  
 77,870  
 77,760  
 77,650  
 77,540  
 77,430  
 77,320  
 77,210  
 77,100  
 76,990  
 76,880  
 76,770  
 76,660  
 76,550  
 76,440  
 76,330  
 76,220  
 76,100  
 75,980  
 75,860  
 75,740  
 75,620  
 75,500  
 75,390  
 75,280  
 75,170  
 75,060  
 74,950  
 74,840  
 74,730  
 74,620  
 74,510  
 74,400  
 74,290  
 74,180  
 74,070  
 73,960  
 73,850  
 73,740  
 73,620  
 73,500  
 73,380  
 73,260  
 73,130  
 73,000  
 72,860  
 72,710  
 72,540  
 72,360  
 72,180  
 71,990  
 71,810  
 71,620  
 71,440  
 71,250  
 70,990  
 70,690  
 70,400  
 69,820  
 69,520  
 69,280  
 69,090

**Legend**

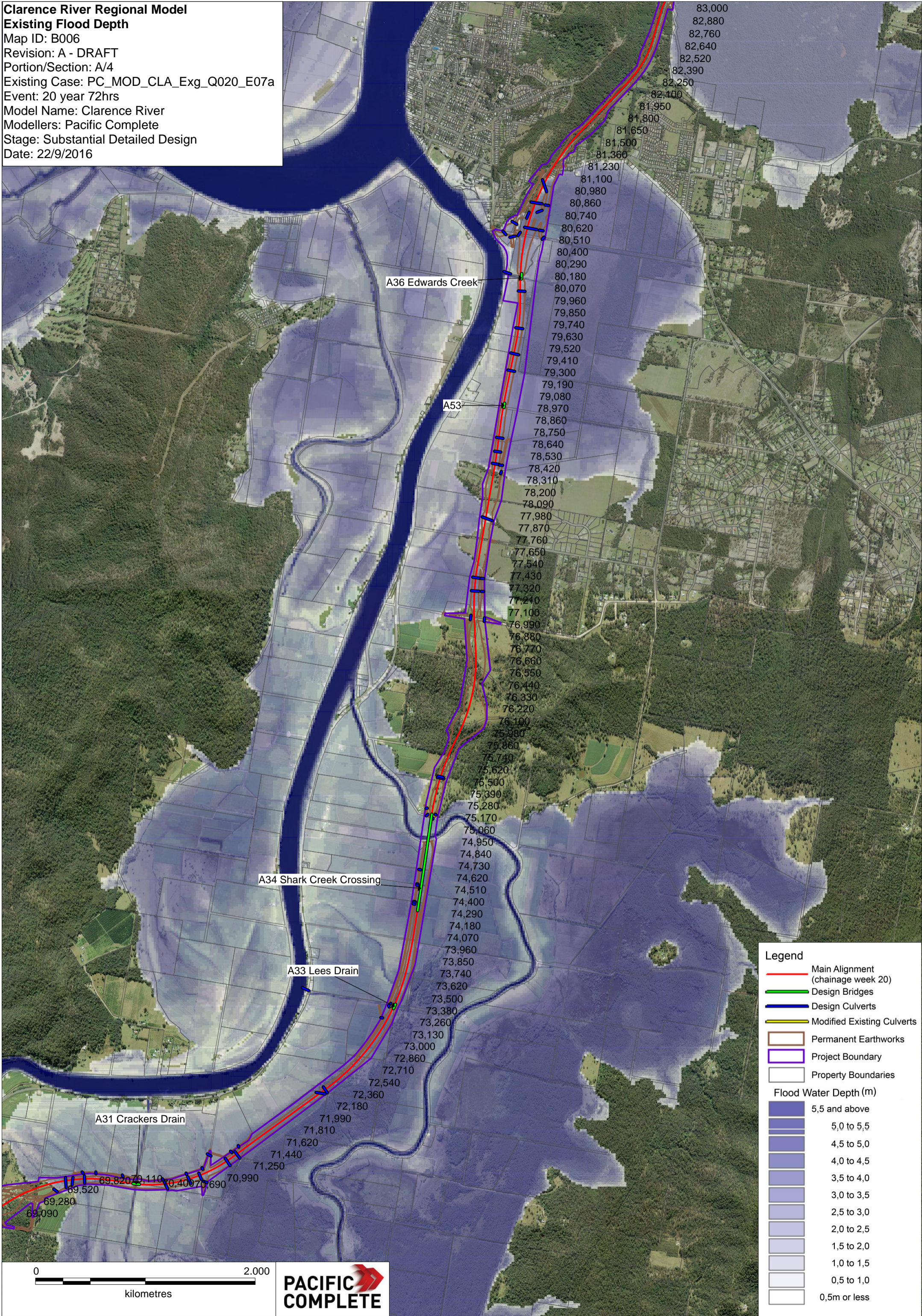
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B006  
 Revision: A - DRAFT  
 Portion/Section: A/4  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q020\_E07a  
 Event: 20 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

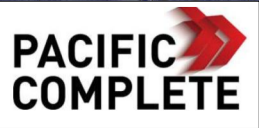
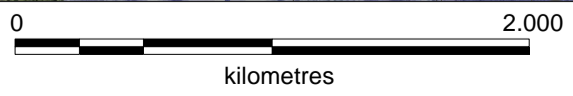


83,000  
 82,880  
 82,760  
 82,640  
 82,520  
 82,390  
 82,250  
 82,100  
 81,950  
 81,800  
 81,650  
 81,500  
 81,360  
 81,230  
 81,100  
 80,980  
 80,860  
 80,740  
 80,620  
 80,510  
 80,400  
 80,290  
 80,180  
 80,070  
 79,960  
 79,850  
 79,740  
 79,630  
 79,520  
 79,410  
 79,300  
 79,190  
 79,080  
 78,970  
 78,860  
 78,750  
 78,640  
 78,530  
 78,420  
 78,310  
 78,200  
 78,090  
 77,980  
 77,870  
 77,760  
 77,650  
 77,540  
 77,430  
 77,320  
 77,210  
 77,100  
 76,990  
 76,880  
 76,770  
 76,660  
 76,550  
 76,440  
 76,330  
 76,220  
 76,100  
 75,980  
 75,860  
 75,740  
 75,620  
 75,500  
 75,390  
 75,280  
 75,170  
 75,060  
 74,950  
 74,840  
 74,730  
 74,620  
 74,510  
 74,400  
 74,290  
 74,180  
 74,070  
 73,960  
 73,850  
 73,740  
 73,620  
 73,500  
 73,380  
 73,260  
 73,130  
 73,000  
 72,860  
 72,710  
 72,540  
 72,360  
 72,180  
 71,990  
 71,810  
 71,620  
 71,440  
 71,250  
 70,990  
 70,690  
 70,400  
 70,110  
 69,820  
 69,520  
 69,280  
 69,090

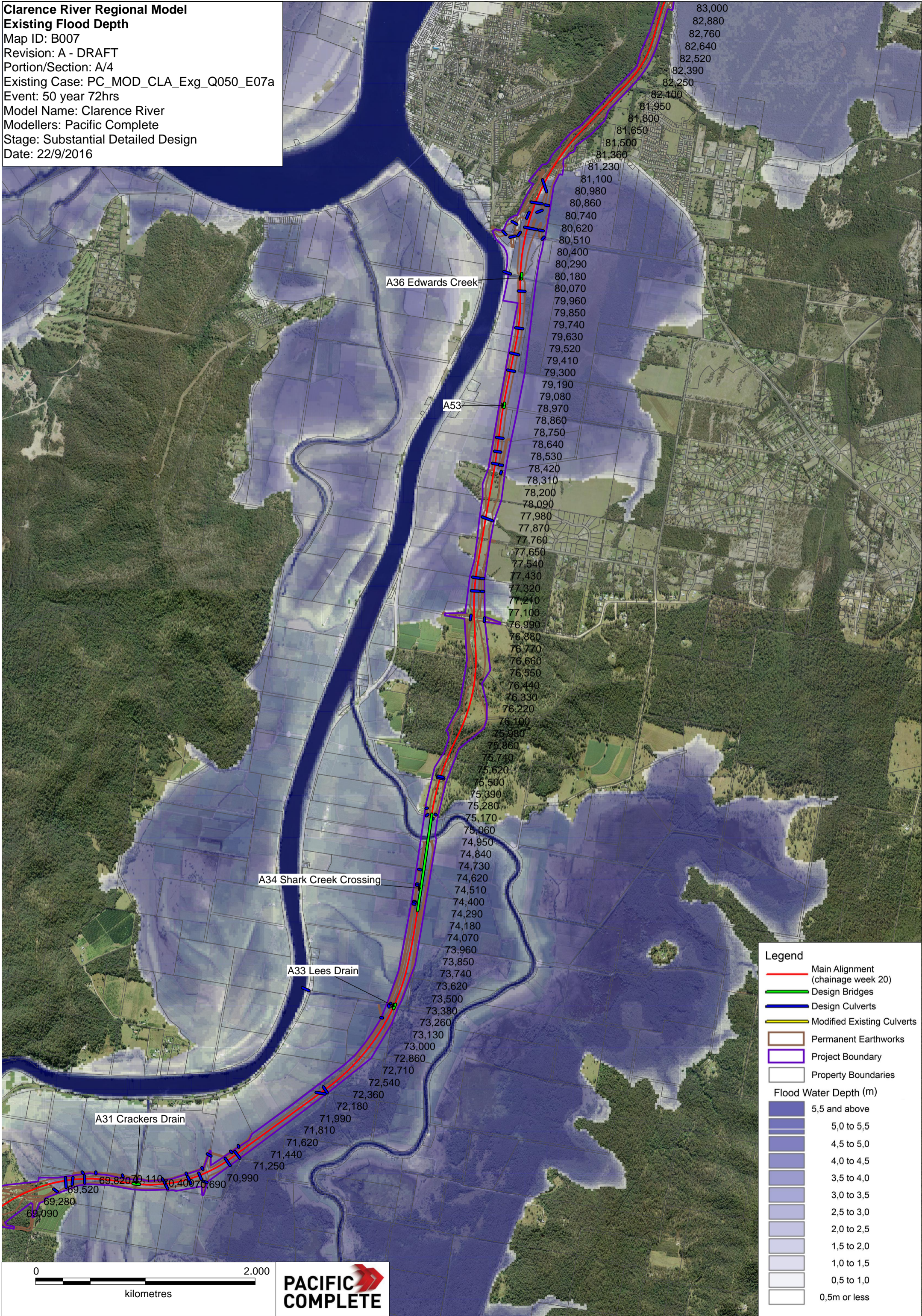
- Legend**
- Main Alignment (chainage week 20)
  - Design Bridges
  - Design Culverts
  - Modified Existing Culverts
  - Permanent Earthworks
  - Project Boundary
  - Property Boundaries

**Flood Water Depth (m)**

5,5 and above
5,0 to 5,5
4,5 to 5,0
4,0 to 4,5
3,5 to 4,0
3,0 to 3,5
2,5 to 3,0
2,0 to 2,5
1,5 to 2,0
1,0 to 1,5
0,5 to 1,0
0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B007  
 Revision: A - DRAFT  
 Portion/Section: A/4  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
 Event: 50 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



A36 Edwards Creek

A53

A34 Shark Creek Crossing

A33 Lees Drain

A31 Crackers Drain

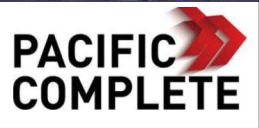
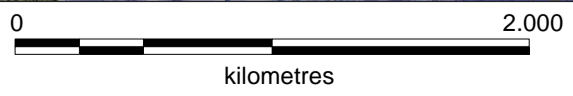
- 83,000
- 82,880
- 82,760
- 82,640
- 82,520
- 82,390
- 82,250
- 82,100
- 81,950
- 81,800
- 81,650
- 81,500
- 81,360
- 81,230
- 81,100
- 80,980
- 80,860
- 80,740
- 80,620
- 80,510
- 80,400
- 80,290
- 80,180
- 80,070
- 79,960
- 79,850
- 79,740
- 79,630
- 79,520
- 79,410
- 79,300
- 79,190
- 79,080
- 78,970
- 78,860
- 78,750
- 78,640
- 78,530
- 78,420
- 78,310
- 78,200
- 78,090
- 77,980
- 77,870
- 77,760
- 77,650
- 77,540
- 77,430
- 77,320
- 77,210
- 77,100
- 76,990
- 76,880
- 76,770
- 76,660
- 76,550
- 76,440
- 76,330
- 76,220
- 76,100
- 75,980
- 75,860
- 75,740
- 75,620
- 75,500
- 75,390
- 75,280
- 75,170
- 75,060
- 74,950
- 74,840
- 74,730
- 74,620
- 74,510
- 74,400
- 74,290
- 74,180
- 74,070
- 73,960
- 73,850
- 73,740
- 73,620
- 73,500
- 73,380
- 73,260
- 73,130
- 73,000
- 72,860
- 72,710
- 72,540
- 72,360
- 72,180
- 71,990
- 71,810
- 71,620
- 71,440
- 71,250
- 70,990
- 70,690
- 70,400
- 70,110
- 69,820
- 69,520
- 69,280
- 69,090

**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

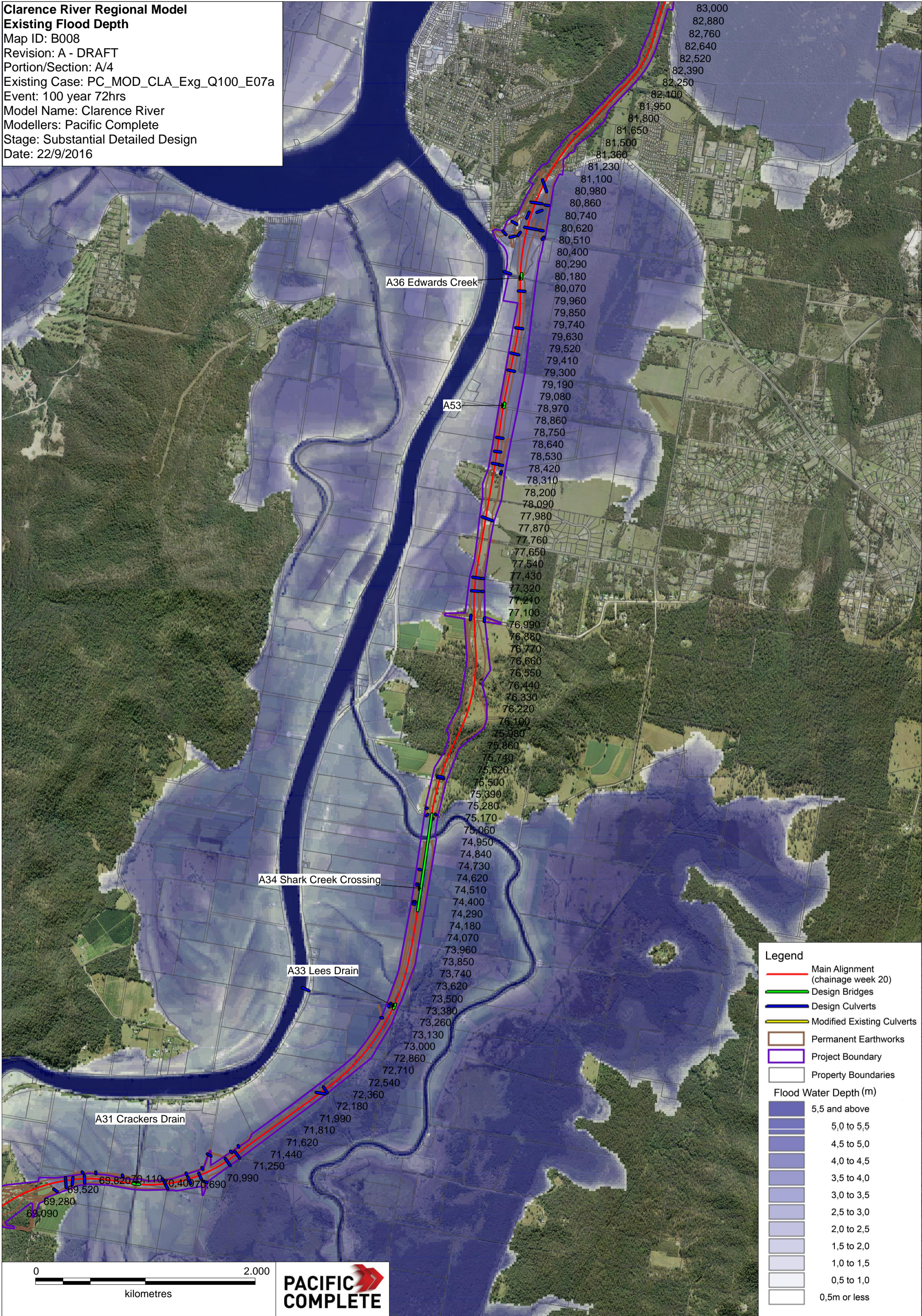
**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less





**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B008  
 Revision: A - DRAFT  
 Portion/Section: A/4  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q100\_E07a  
 Event: 100 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



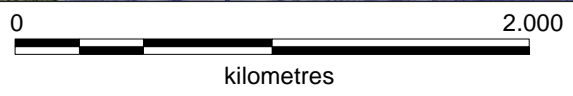
83,000  
 82,880  
 82,760  
 82,640  
 82,520  
 82,390  
 82,250  
 82,100  
 81,950  
 81,800  
 81,650  
 81,500  
 81,360  
 81,230  
 81,100  
 80,980  
 80,860  
 80,740  
 80,620  
 80,510  
 80,400  
 80,290  
 80,180  
 80,070  
 79,960  
 79,850  
 79,740  
 79,630  
 79,520  
 79,410  
 79,300  
 79,190  
 79,080  
 78,970  
 78,860  
 78,750  
 78,640  
 78,530  
 78,420  
 78,310  
 78,200  
 78,090  
 77,980  
 77,870  
 77,760  
 77,650  
 77,540  
 77,430  
 77,320  
 77,210  
 77,100  
 76,990  
 76,880  
 76,770  
 76,660  
 76,550  
 76,440  
 76,330  
 76,220  
 76,100  
 75,980  
 75,860  
 75,740  
 75,620  
 75,500  
 75,390  
 75,280  
 75,170  
 75,060  
 74,950  
 74,840  
 74,730  
 74,620  
 74,510  
 74,400  
 74,290  
 74,180  
 74,070  
 73,960  
 73,850  
 73,740  
 73,620  
 73,500  
 73,380  
 73,260  
 73,130  
 73,000  
 72,860  
 72,710  
 72,540  
 72,360  
 72,180  
 71,990  
 71,810  
 71,620  
 71,440  
 71,250  
 70,990  
 70,690  
 70,400  
 70,110  
 69,820  
 69,520  
 69,280  
 69,090

**Legend**

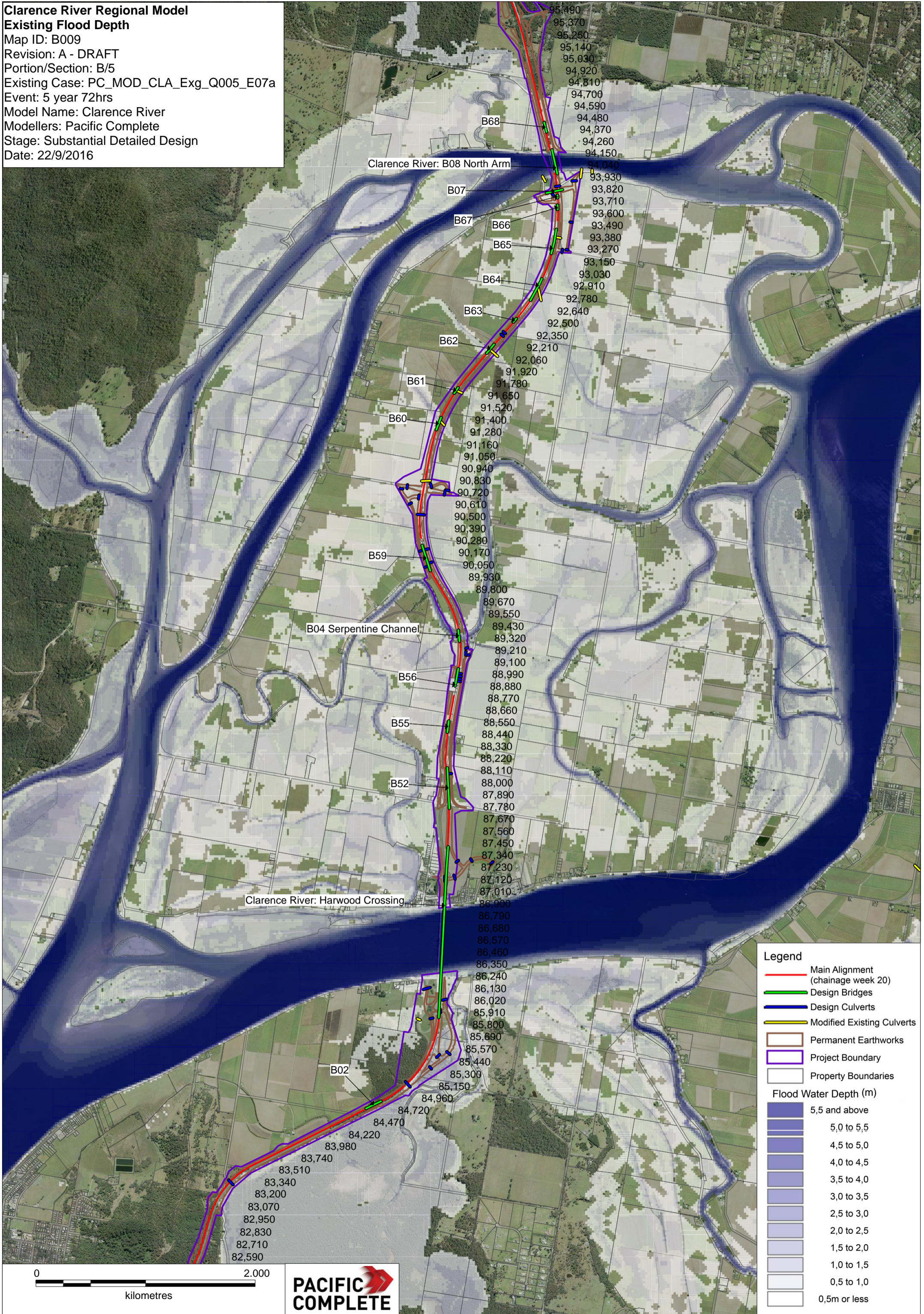
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B009  
 Revision: A - DRAFT  
 Portion/Section: B/5  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



Clarence River: B08 North Arm

B04 Serpentine Channel

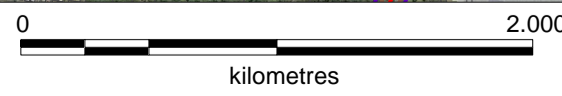
Clarence River: Harwood Crossing

**Legend**

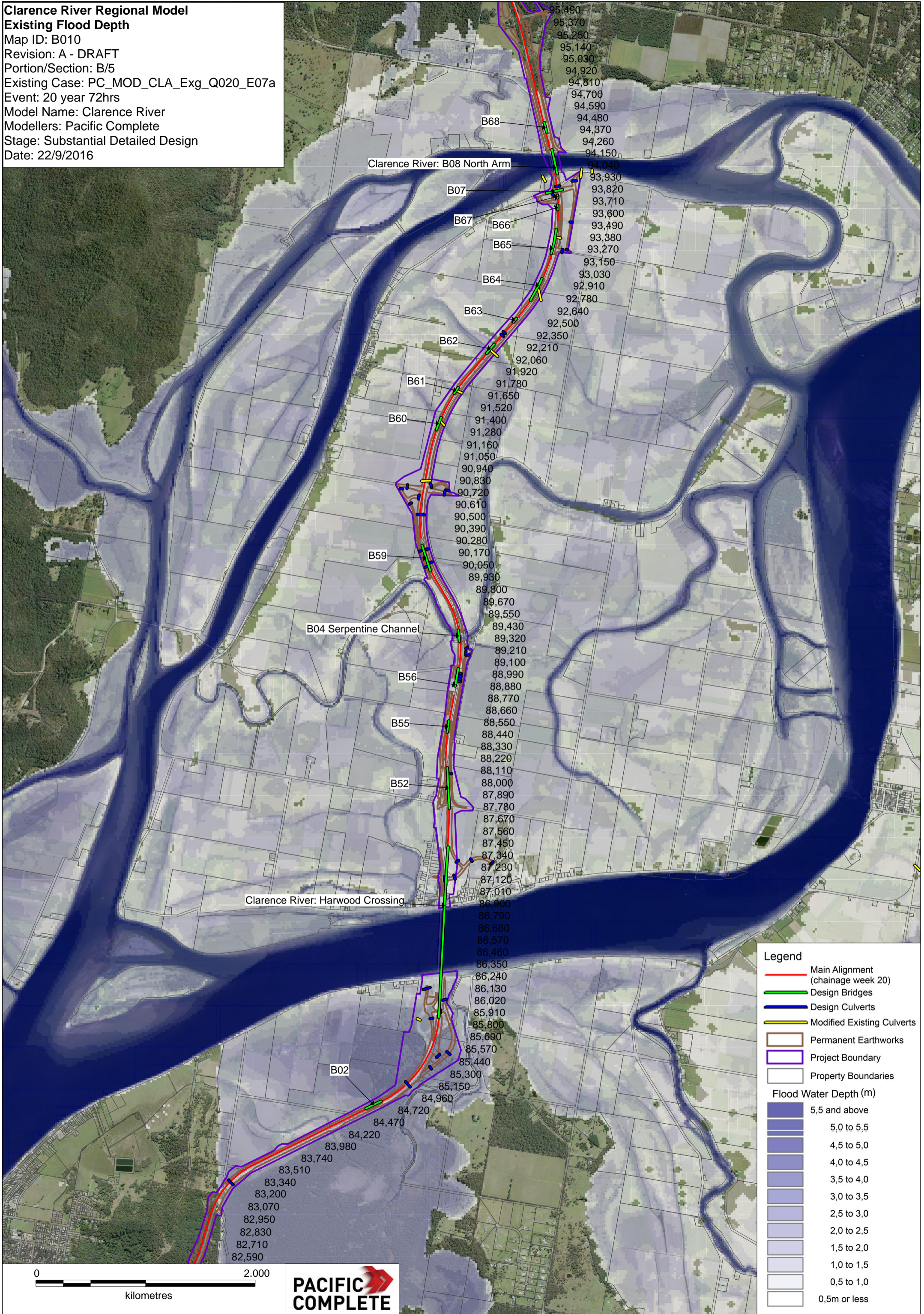
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B010  
 Revision: A - DRAFT  
 Portion/Section: B/5  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q020\_E07a  
 Event: 20 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



Clarence River: B08 North Arm

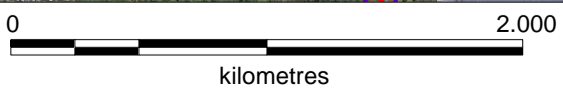
B04 Serpentine Channel

Clarence River: Harwood Crossing

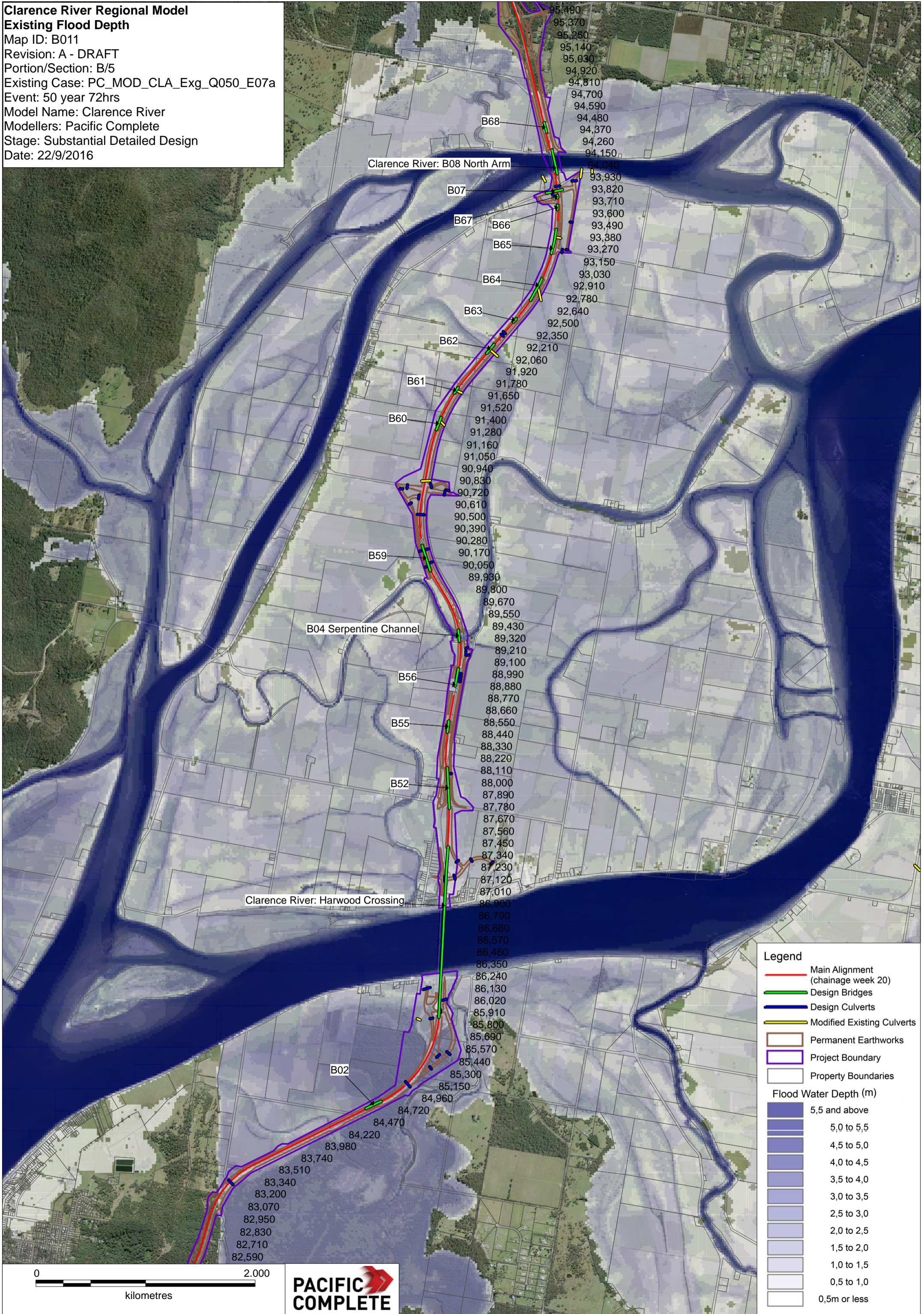
- Legend**
- Main Alignment (chainage week 20)
  - Design Bridges
  - Design Culverts
  - Modified Existing Culverts
  - Permanent Earthworks
  - Project Boundary
  - Property Boundaries

**Flood Water Depth (m)**

	5,5 and above
	5,0 to 5,5
	4,5 to 5,0
	4,0 to 4,5
	3,5 to 4,0
	3,0 to 3,5
	2,5 to 3,0
	2,0 to 2,5
	1,5 to 2,0
	1,0 to 1,5
	0,5 to 1,0
	0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B011  
 Revision: A - DRAFT  
 Portion/Section: B/5  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
 Event: 50 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



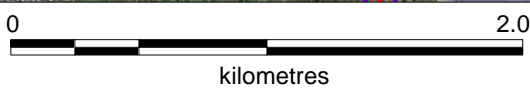
95,490  
 95,370  
 95,250  
 95,140  
 95,030  
 94,920  
 94,810  
 94,700  
 94,590  
 94,480  
 94,370  
 94,260  
 94,150  
 94,040  
 93,930  
 93,820  
 93,710  
 93,600  
 93,490  
 93,380  
 93,270  
 93,150  
 93,030  
 92,910  
 92,780  
 92,640  
 92,500  
 92,350  
 92,210  
 92,060  
 91,920  
 91,780  
 91,650  
 91,520  
 91,400  
 91,280  
 91,160  
 91,050  
 90,940  
 90,830  
 90,720  
 90,610  
 90,500  
 90,390  
 90,280  
 90,170  
 90,050  
 89,930  
 89,800  
 89,670  
 89,550  
 89,430  
 89,320  
 89,210  
 89,100  
 88,990  
 88,880  
 88,770  
 88,660  
 88,550  
 88,440  
 88,330  
 88,220  
 88,110  
 88,000  
 87,890  
 87,780  
 87,670  
 87,560  
 87,450  
 87,340  
 87,230  
 87,120  
 87,010  
 86,900  
 86,790  
 86,680  
 86,570  
 86,460  
 86,350  
 86,240  
 86,130  
 86,020  
 85,910  
 85,800  
 85,690  
 85,570  
 85,440  
 85,300  
 85,150  
 84,960  
 84,720  
 84,470  
 84,220  
 83,980  
 83,740  
 83,510  
 83,340  
 83,200  
 83,070  
 82,950  
 82,830  
 82,710  
 82,590

**Legend**

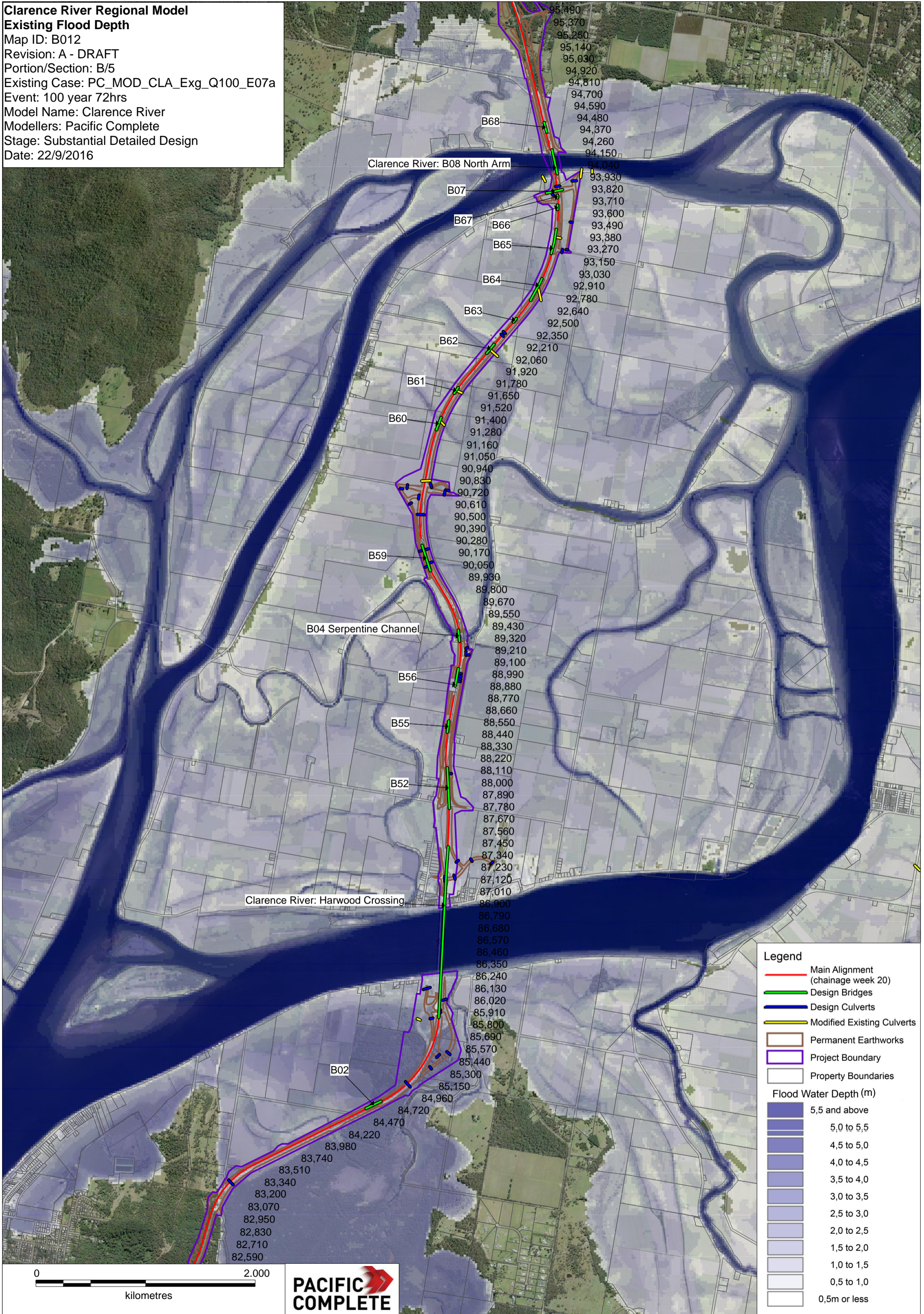
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less



**Clarence River Regional Model**  
**Existing Flood Depth**  
 Map ID: B012  
 Revision: A - DRAFT  
 Portion/Section: B/5  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q100\_E07a  
 Event: 100 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



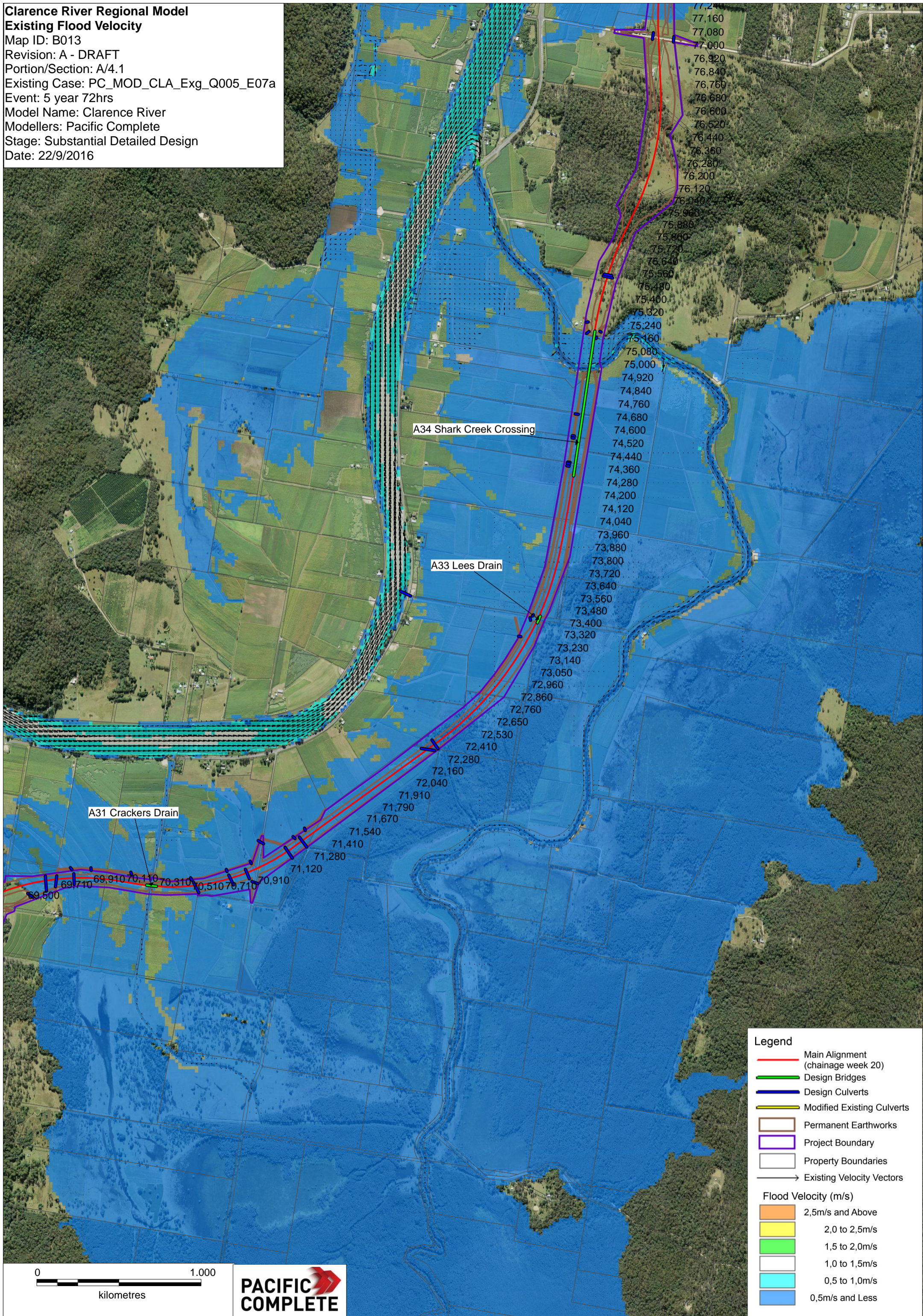
**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries

**Flood Water Depth (m)**

- 5,5 and above
- 5,0 to 5,5
- 4,5 to 5,0
- 4,0 to 4,5
- 3,5 to 4,0
- 3,0 to 3,5
- 2,5 to 3,0
- 2,0 to 2,5
- 1,5 to 2,0
- 1,0 to 1,5
- 0,5 to 1,0
- 0,5m or less

**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B013  
 Revision: A - DRAFT  
 Portion/Section: A/4.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



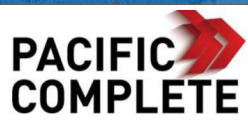
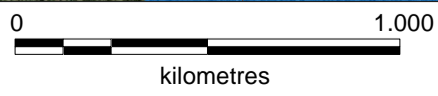
77,240  
 77,160  
 77,080  
 77,000  
 76,920  
 76,840  
 76,760  
 76,680  
 76,600  
 76,520  
 76,440  
 76,360  
 76,280  
 76,200  
 76,120  
 76,040  
 75,960  
 75,880  
 75,800  
 75,720  
 75,640  
 75,560  
 75,480  
 75,400  
 75,320  
 75,240  
 75,160  
 75,080  
 75,000  
 74,920  
 74,840  
 74,760  
 74,680  
 74,600  
 74,520  
 74,440  
 74,360  
 74,280  
 74,200  
 74,120  
 74,040  
 73,960  
 73,880  
 73,800  
 73,720  
 73,640  
 73,560  
 73,480  
 73,400  
 73,320  
 73,230  
 73,140  
 73,050  
 72,960  
 72,860  
 72,760  
 72,650  
 72,530  
 72,410  
 72,280  
 72,160  
 72,040  
 71,910  
 71,790  
 71,670  
 71,540  
 71,410  
 71,280  
 71,120  
 70,910  
 70,710  
 70,510  
 70,310  
 70,110  
 69,910  
 69,710  
 69,500

**Legend**

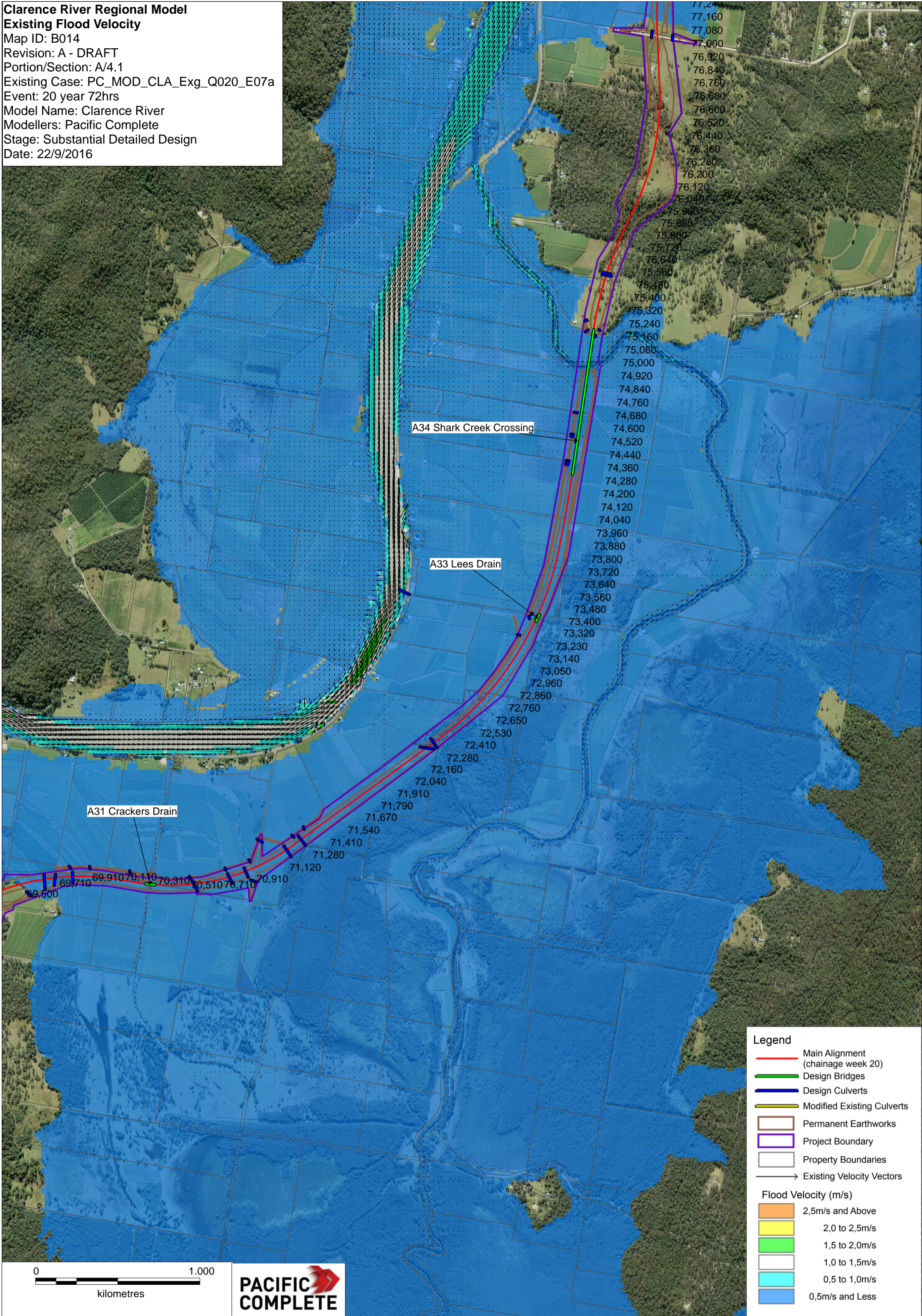
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less



**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B014  
 Revision: A - DRAFT  
 Portion/Section: A/4.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q020\_E07a  
 Event: 20 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

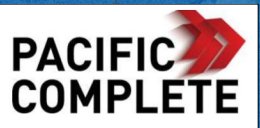


**Legend**

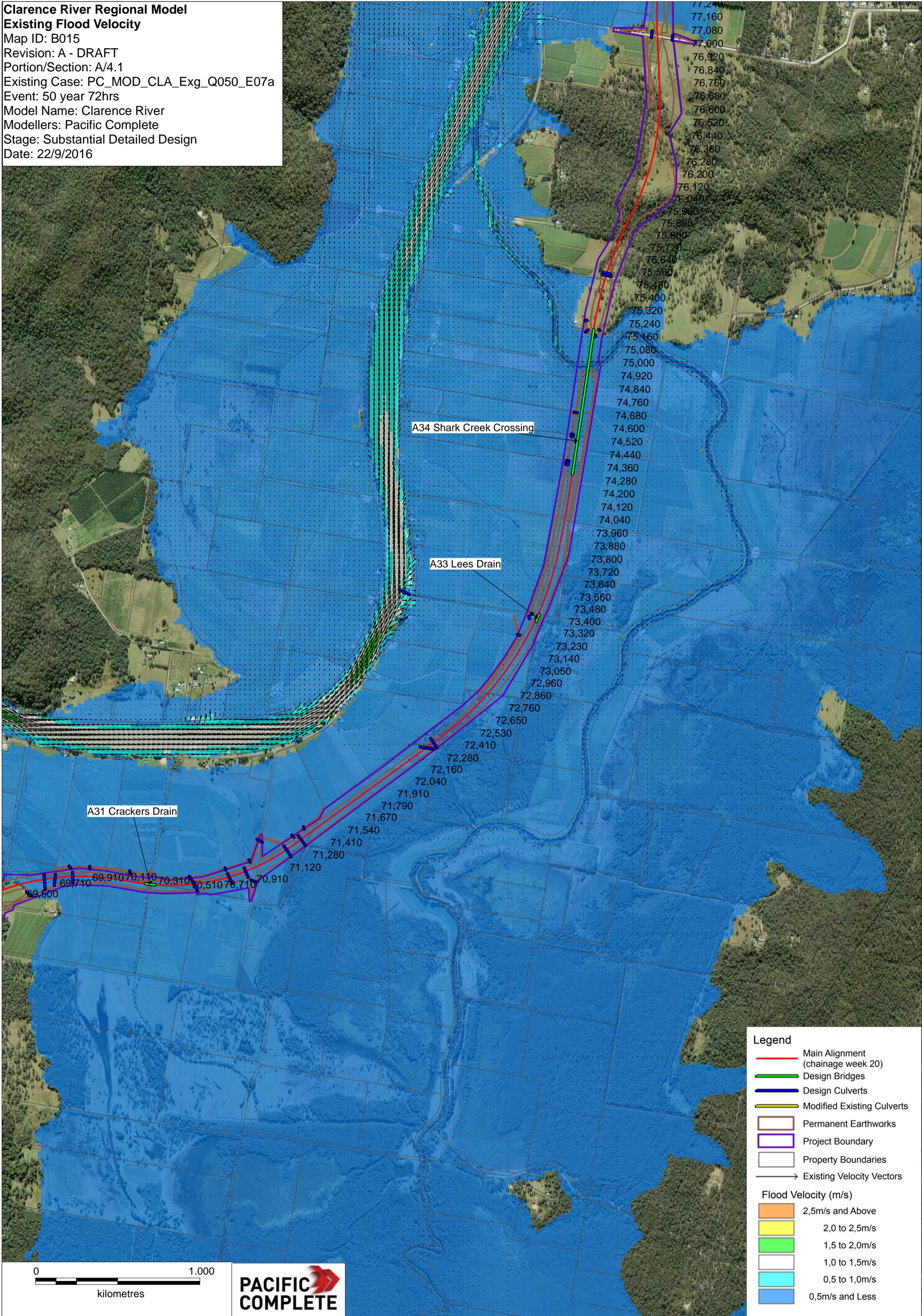
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less



**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B015  
 Revision: A - DRAFT  
 Portion/Section: A/4.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
 Event: 50 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

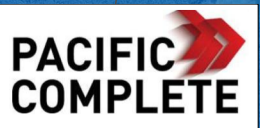


**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

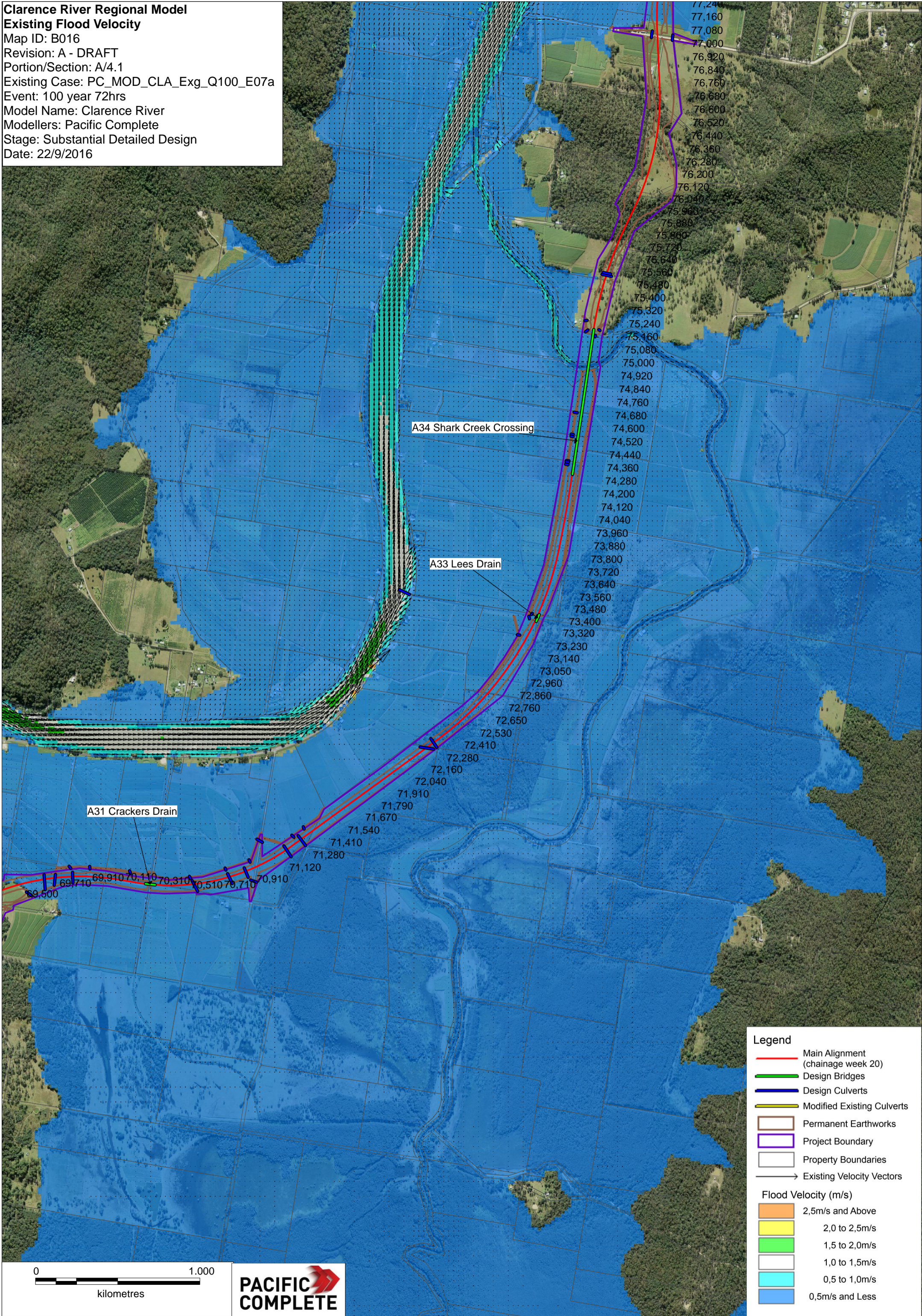
**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less





**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B016  
 Revision: A - DRAFT  
 Portion/Section: A/4.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q100\_E07a  
 Event: 100 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

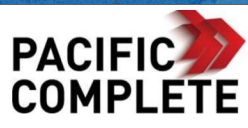
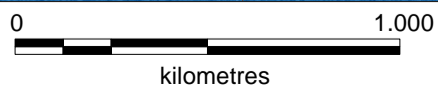


**Legend**

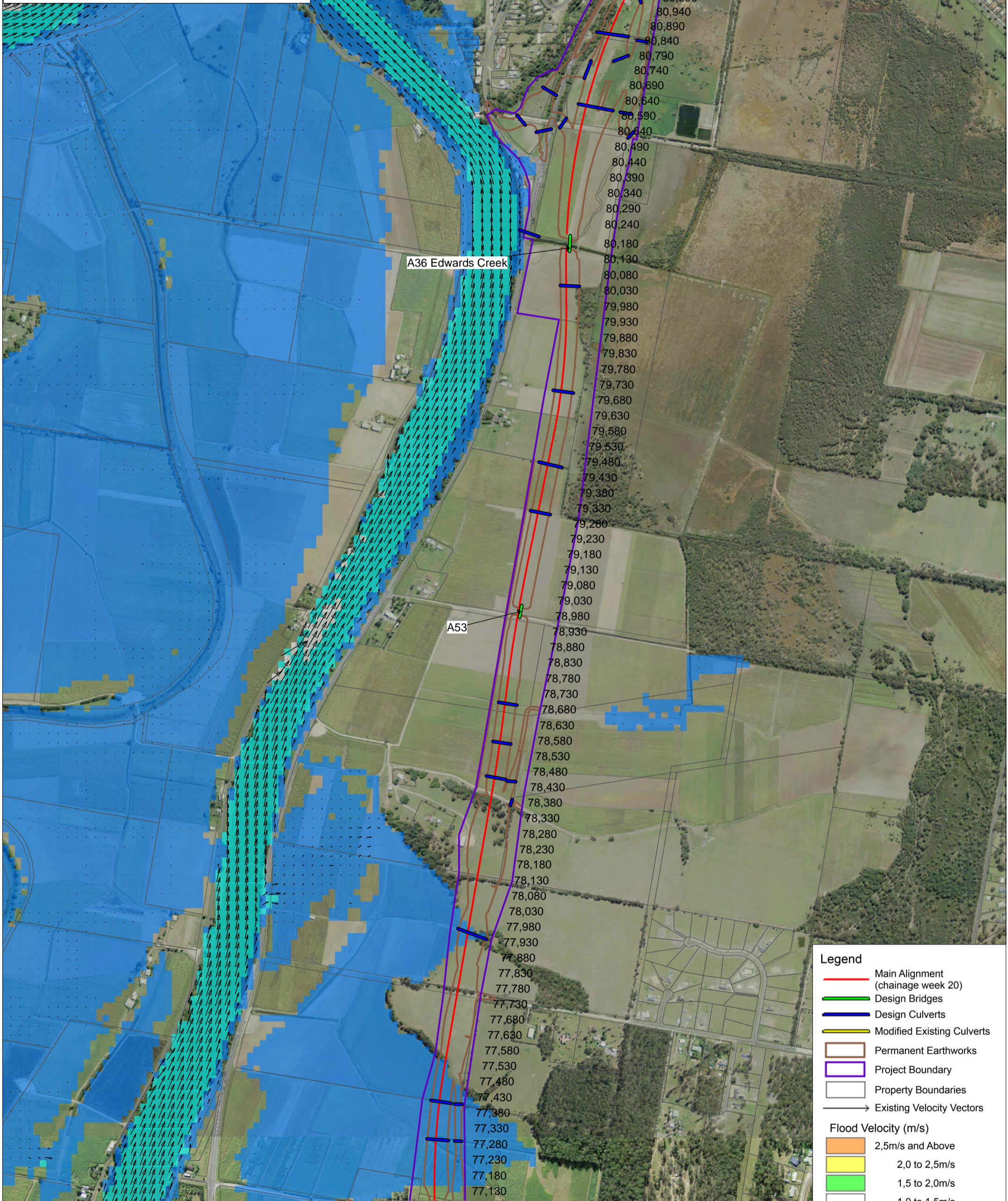
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less

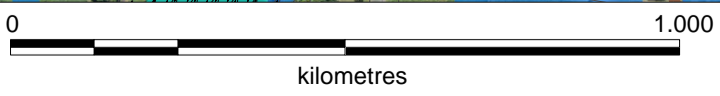


**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B017  
 Revision: A - DRAFT  
 Portion/Section: A/4.2  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



A36 Edwards Creek

A53



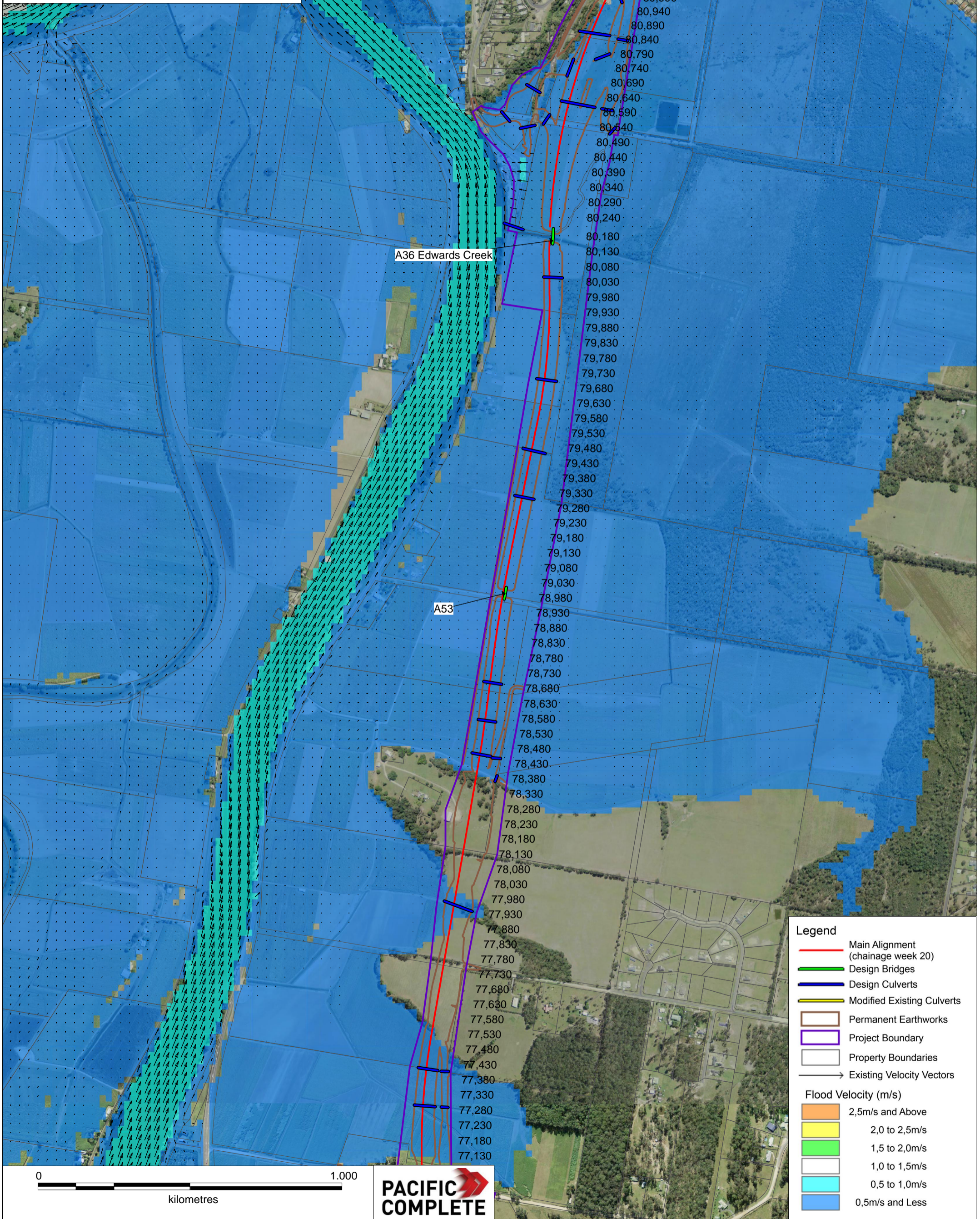
**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

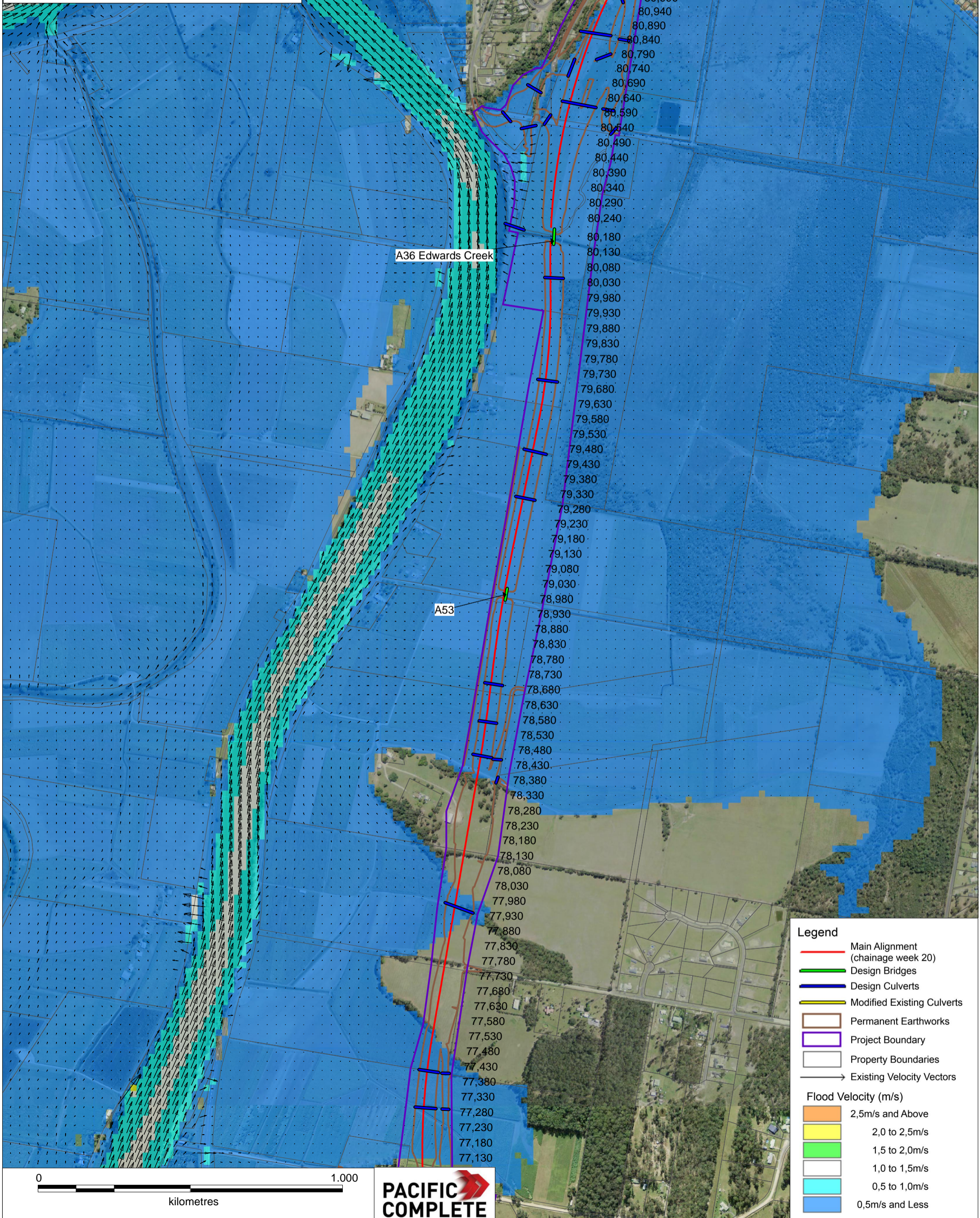
**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less

**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B018  
 Revision: A - DRAFT  
 Portion/Section: A/4.2  
 Existing Case: PC\_MOD\_CLA\_Exp\_Q020\_E07a  
 Event: 20 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B019  
 Revision: A - DRAFT  
 Portion/Section: A/4.2  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
 Event: 50 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



A36 Edwards Creek

A53

81,640  
 81,580  
 81,520  
 81,460  
 81,400  
 81,340  
 81,290  
 81,240  
 81,190  
 81,140  
 81,090  
 81,040  
 80,990  
 80,940  
 80,890  
 80,840  
 80,790  
 80,740  
 80,690  
 80,640  
 80,590  
 80,540  
 80,490  
 80,440  
 80,390  
 80,340  
 80,290  
 80,240  
 80,180  
 80,130  
 80,080  
 80,030  
 79,980  
 79,930  
 79,880  
 79,830  
 79,780  
 79,730  
 79,680  
 79,630  
 79,580  
 79,530  
 79,480  
 79,430  
 79,380  
 79,330  
 79,280  
 79,230  
 79,180  
 79,130  
 79,080  
 79,030  
 78,980  
 78,930  
 78,880  
 78,830  
 78,780  
 78,730  
 78,680  
 78,630  
 78,580  
 78,530  
 78,480  
 78,430  
 78,380  
 78,330  
 78,280  
 78,230  
 78,180  
 78,130  
 78,080  
 78,030  
 77,980  
 77,930  
 77,880  
 77,830  
 77,780  
 77,730  
 77,680  
 77,630  
 77,580  
 77,530  
 77,480  
 77,430  
 77,380  
 77,330  
 77,280  
 77,230  
 77,180  
 77,130

**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

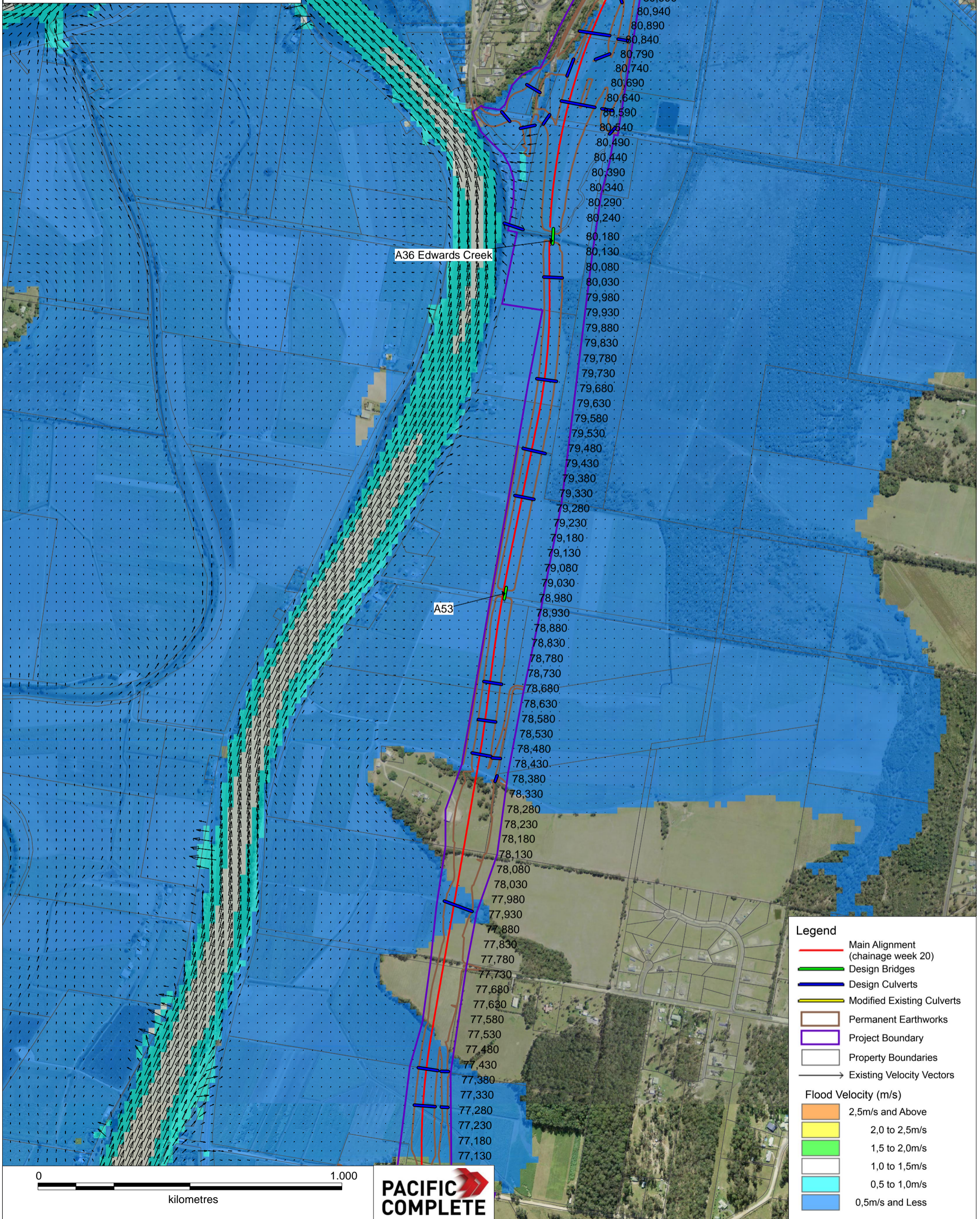
**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less

0 1.000  
 kilometres

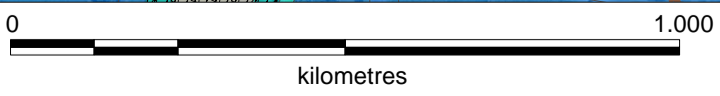


**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B020  
 Revision: A - DRAFT  
 Portion/Section: A/4.2  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q100\_E07a  
 Event: 100 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



A36 Edwards Creek

A53



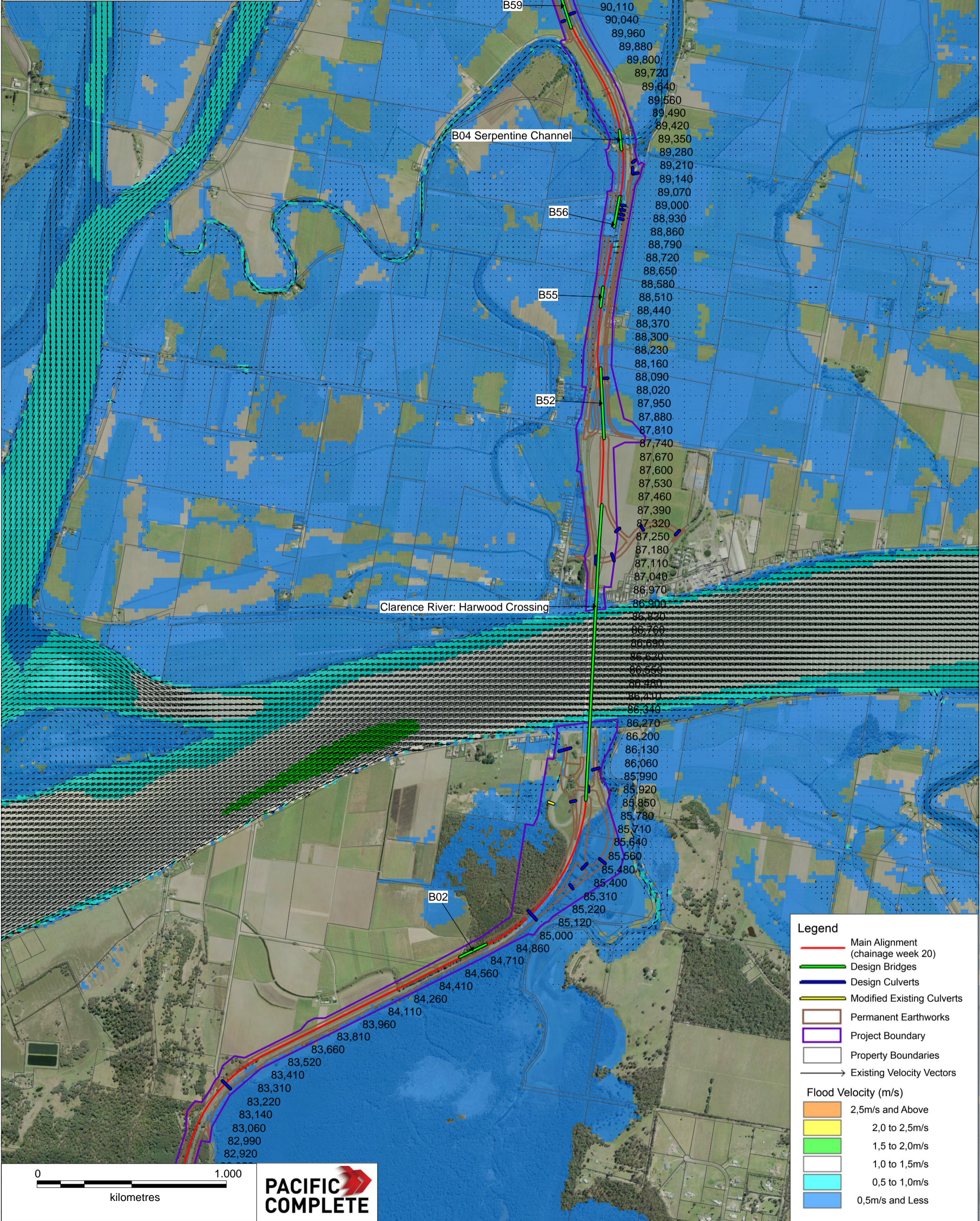
**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less

**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B021  
 Revision: A - DRAFT  
 Portion/Section: B/5.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

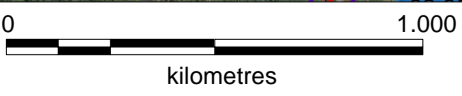


**Legend**

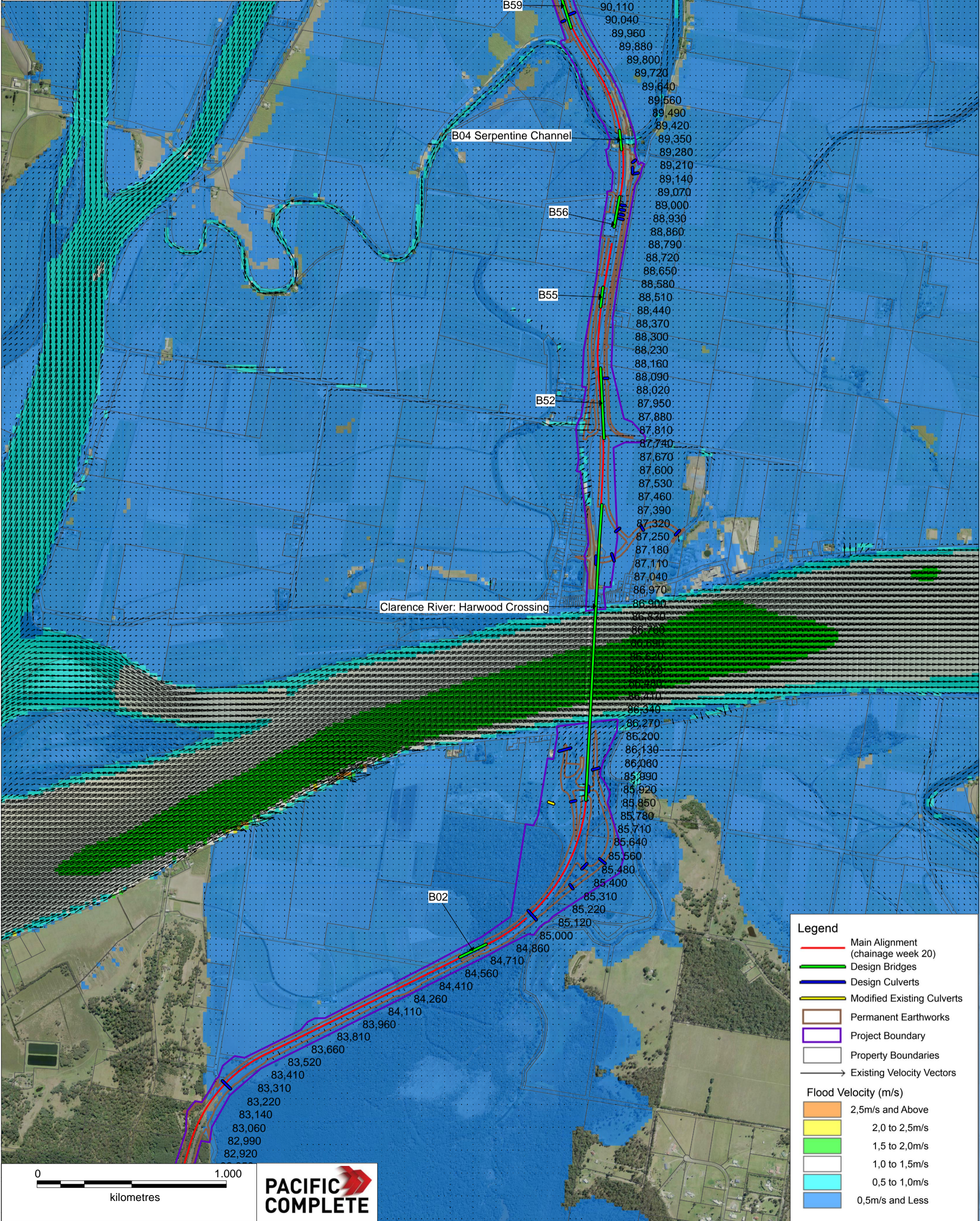
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less



**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B022  
 Revision: A - DRAFT  
 Portion/Section: B/5.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q020\_E07a  
 Event: 20 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016

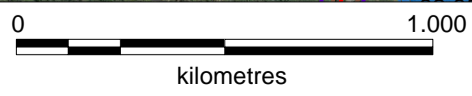


**Legend**

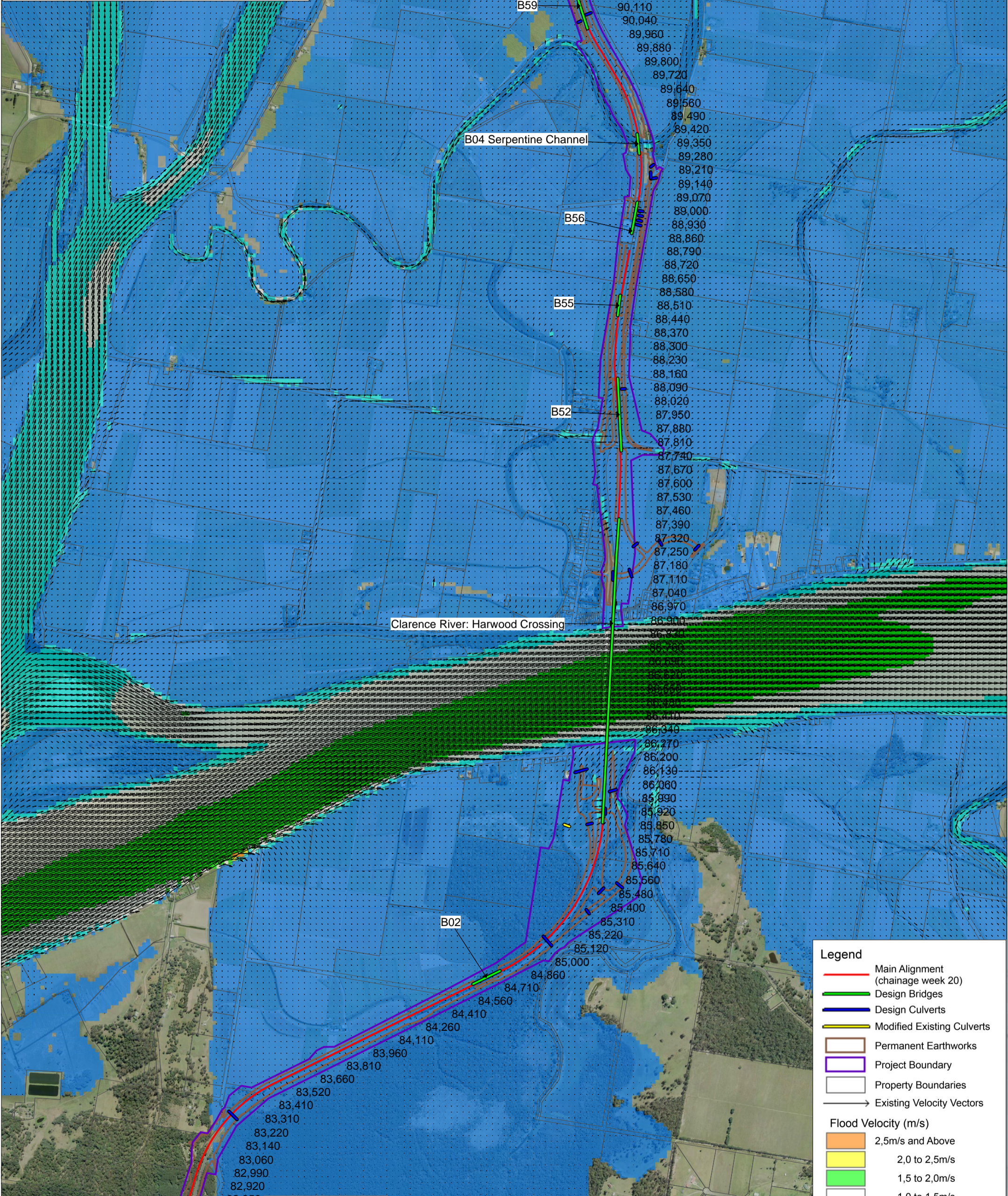
- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less



**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B023  
 Revision: A - DRAFT  
 Portion/Section: B/5.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
 Event: 50 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



Clarence River: Harwood Crossing

B04 Serpentine Channel

B59

B56

B55

B52

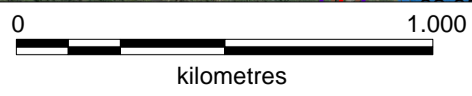
B02

**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

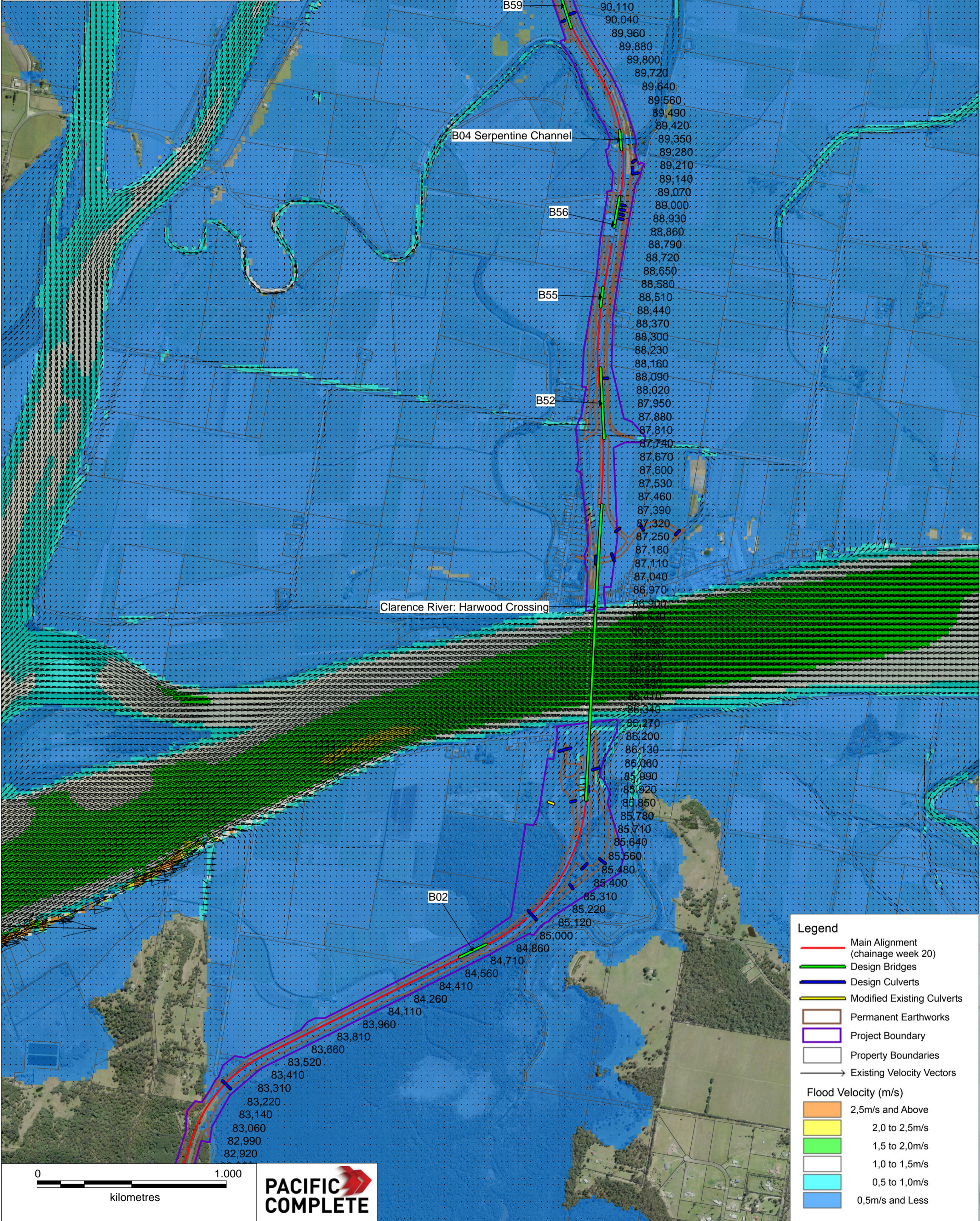
**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less





**Clarence River Regional Model**  
**Existing Flood Velocity**  
 Map ID: B024  
 Revision: A - DRAFT  
 Portion/Section: B/5.1  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q100\_E07a  
 Event: 100 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



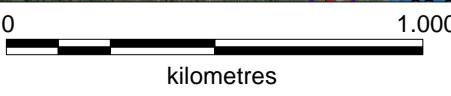
91,000  
 91,020  
 90,950  
 90,880  
 90,810  
 90,740  
 90,670  
 90,600  
 90,530  
 90,460  
 90,390  
 90,320  
 90,250  
 90,180  
 90,110  
 90,040  
 89,960  
 89,880  
 89,800  
 89,720  
 89,640  
 89,560  
 89,490  
 89,420  
 89,350  
 89,280  
 89,210  
 89,140  
 89,070  
 89,000  
 88,930  
 88,860  
 88,790  
 88,720  
 88,650  
 88,580  
 88,510  
 88,440  
 88,370  
 88,300  
 88,230  
 88,160  
 88,090  
 88,020  
 87,950  
 87,880  
 87,810  
 87,740  
 87,670  
 87,600  
 87,530  
 87,460  
 87,390  
 87,320  
 87,250  
 87,180  
 87,110  
 87,040  
 86,970  
 86,900  
 86,830  
 86,760  
 86,690  
 86,620  
 86,550  
 86,480  
 86,410  
 86,340  
 86,270  
 86,200  
 86,130  
 86,060  
 85,990  
 85,920  
 85,850  
 85,780  
 85,710  
 85,640  
 85,560  
 85,480  
 85,400  
 85,310  
 85,220  
 85,120  
 85,000  
 84,860  
 84,710  
 84,560  
 84,410  
 84,260  
 84,110  
 83,960  
 83,810  
 83,660  
 83,520  
 83,410  
 83,310  
 83,220  
 83,140  
 83,060  
 82,990  
 82,920

**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

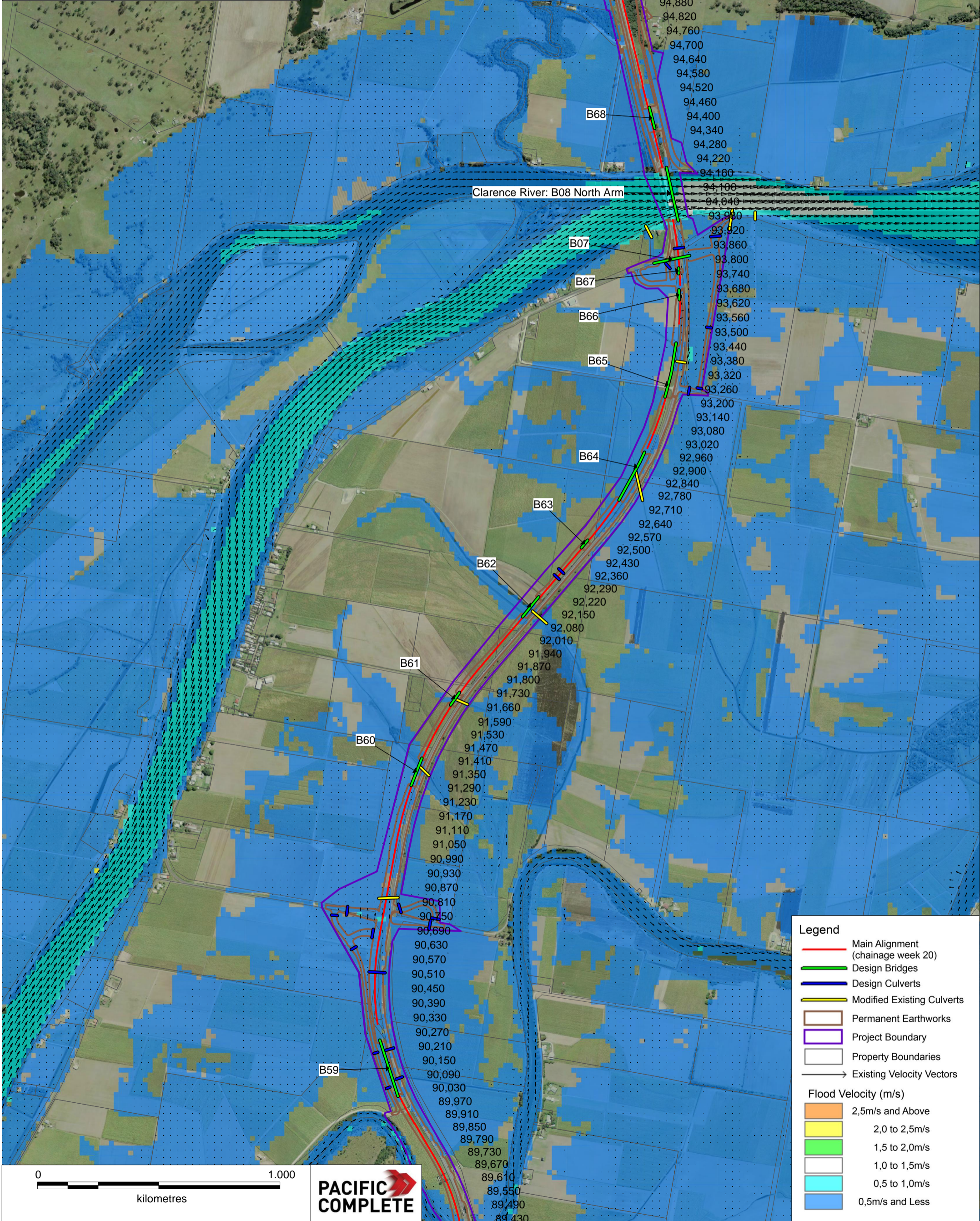
**Flood Velocity (m/s)**

- 2,5m/s and Above
- 2,0 to 2,5m/s
- 1,5 to 2,0m/s
- 1,0 to 1,5m/s
- 0,5 to 1,0m/s
- 0,5m/s and Less



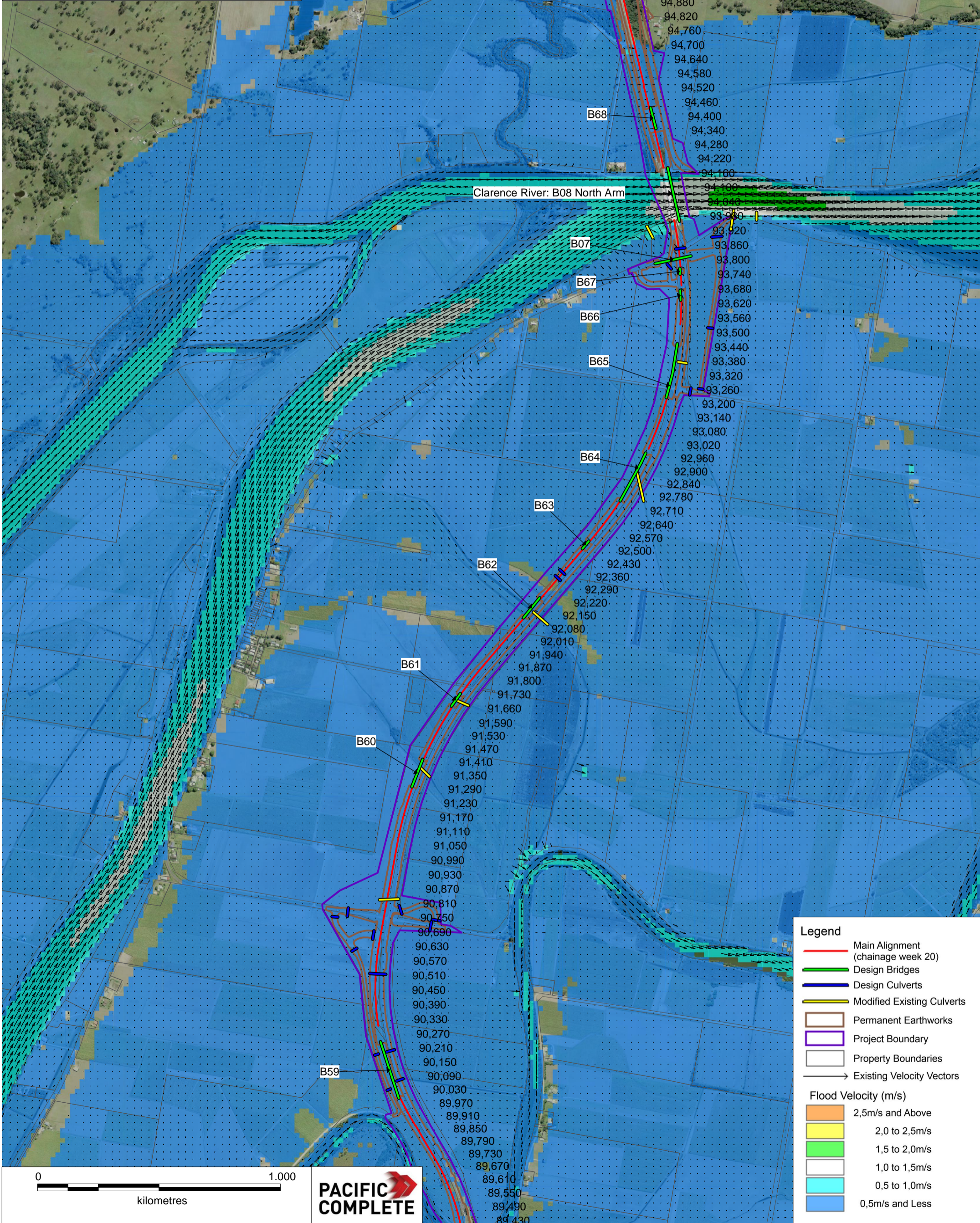
**Clarence River Regional Model  
Existing Flood Velocity**

Map ID: B025  
 Revision: A - DRAFT  
 Portion/Section: B/5.2  
 Existing Case: PC\_MOD\_CLA\_Exg\_Q005\_E07a  
 Event: 5 year 72hrs  
 Model Name: Clarence River  
 Modellers: Pacific Complete  
 Stage: Substantial Detailed Design  
 Date: 22/9/2016



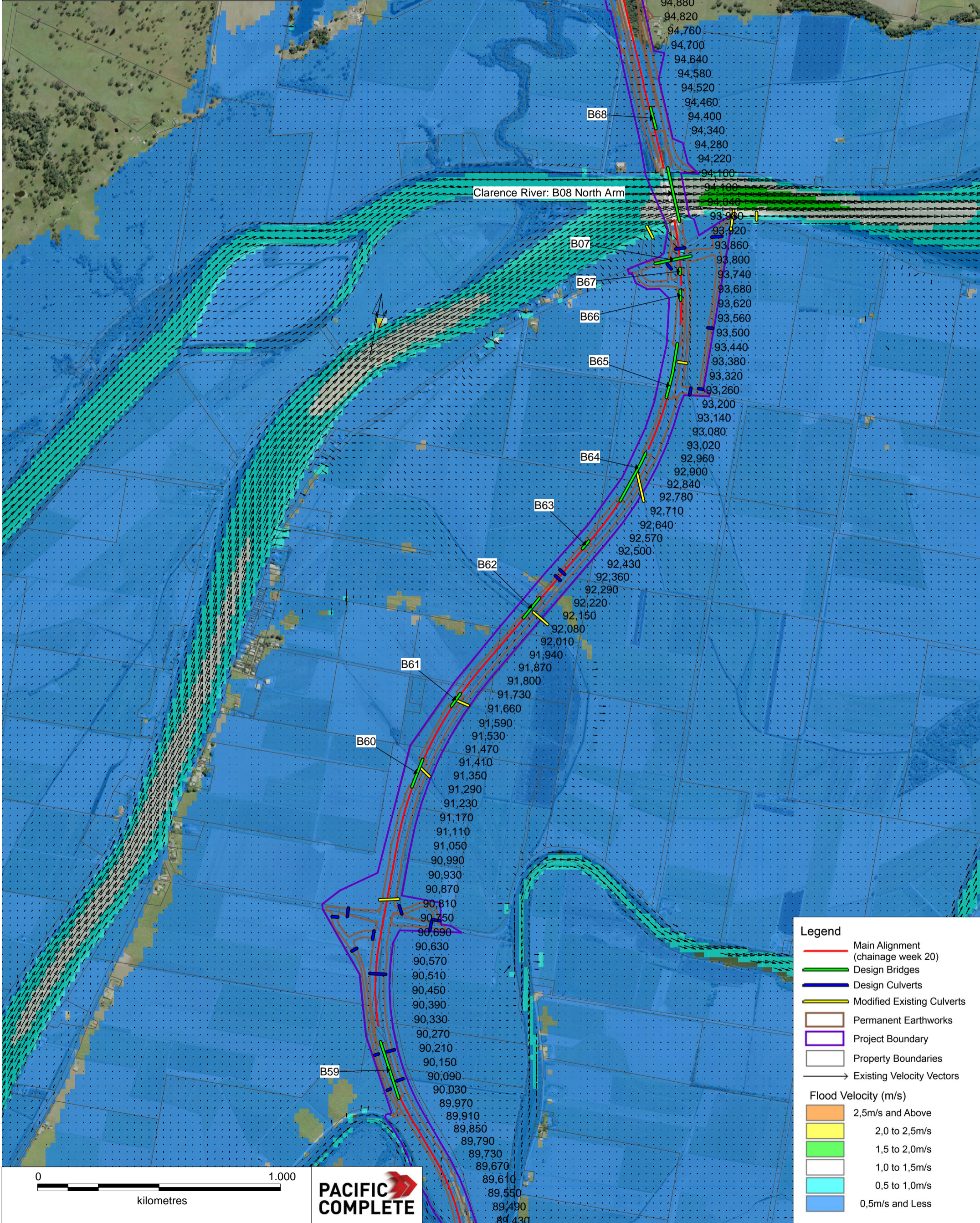
**Clarence River Regional Model  
Existing Flood Velocity**

Map ID: B026  
Revision: A - DRAFT  
Portion/Section: B/5.2  
Existing Case: PC\_MOD\_CLA\_Exg\_Q020\_E07a  
Event: 20 year 72hrs  
Model Name: Clarence River  
Modellers: Pacific Complete  
Stage: Substantial Detailed Design  
Date: 22/9/2016



**Clarence River Regional Model  
Existing Flood Velocity**

Map ID: B027  
Revision: A - DRAFT  
Portion/Section: B/5.2  
Existing Case: PC\_MOD\_CLA\_Exg\_Q050\_E07a  
Event: 50 year 72hrs  
Model Name: Clarence River  
Modellers: Pacific Complete  
Stage: Substantial Detailed Design  
Date: 22/9/2016



Clarence River: B08 North Arm

B68

B07

B67

B66

B65

B64

B63

B62

B61

B60

B59

**Legend**

- Main Alignment (chainage week 20)
- Design Bridges
- Design Culverts
- Modified Existing Culverts
- Permanent Earthworks
- Project Boundary
- Property Boundaries
- Existing Velocity Vectors

**Flood Velocity (m/s)**

- 2.5m/s and Above
- 2.0 to 2.5m/s
- 1.5 to 2.0m/s
- 1.0 to 1.5m/s
- 0.5 to 1.0m/s
- 0.5m/s and Less

