COMMUNITY CONSULTATION MAIL OUTS AND CORRESPONDENCE
MEDITALE RELEASE

City of Wagga Wagga
Telephone: 1300 2WAGGA
Facsimile: (02) 6926 9109

9 November 2009

Wagga Wagga Major Overland Flood Study

Wagga Wagga City Council is gathering evidence related to what isolated flooding occurs after major rainfall events as part of the Wagga Wagga Major Overland Flood Study.

Council has commissioned WMWater, Water and Environmental Engineers to undertake the study.

The study, funded by Council and the NSW Department of Environment, Climate Change and Water, aims to examine flooding resulting from major overland flows that drain through the urban areas of Wagga.

“This flood study is being undertaken to help Council examine what localised flooding occurs after large volumes of rain,” said Terry Dodds, Director Infrastructure Services Wagga Wagga City Council.

“Council are keen to engage with members of the community who may have valuable information such as photos of flooded stormwater drains or overflowing gutters, knowledge of the extent of flooding in their local area, depth estimates of the flood waters and dates when the flooding occurred.”

“All the information will then be used to create computer modelling to help design against future flood hazards and flows,” he added.

Council intends to use the results of the study to:

- Examine flood mitigation and management measures, in a Floodplain Risk Management Study, to address the flood problem;
- Address the flood risk for Development Applications in flood liable areas;
- Ensure future land release is zoned correctly;
- Determine and address the flood hazard in flood liable areas; and
- To define properties on Section 149 planning certificate to ensure the property is subject to flood related development controls.

Anybody with information or photographs can contact Council Officer Brad Jeffrey on 1300 292442 or email jeffrey.brady@wagga.nsw.gov.au, or WMWater’s Steve Gray on 9299 2855 or email gray@wmawater.com.au.

For further information, please contact Brett Koschel on 69 269 264 or 0429 397 803.
<table>
<thead>
<tr>
<th>Hot Spot No.</th>
<th>City Flood Extent</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Red Hill Rd/Yentoo Dve</td>
</tr>
<tr>
<td>2</td>
<td>Glenfield Rd/Railway Line</td>
</tr>
<tr>
<td>3</td>
<td>Pearson St/Dobney Ave</td>
</tr>
<tr>
<td>4</td>
<td>Truscott Dve/Dunlop Pl</td>
</tr>
<tr>
<td>5</td>
<td>Moorong St/Kincaid St/Spring St</td>
</tr>
<tr>
<td>6</td>
<td>South Pde Lane</td>
</tr>
<tr>
<td>7</td>
<td>Murray St/Forsyth St</td>
</tr>
<tr>
<td>8</td>
<td>Forsyth St/Berry St</td>
</tr>
<tr>
<td>9</td>
<td>Copland St/Lathe St</td>
</tr>
<tr>
<td>10</td>
<td>Hakea Pl</td>
</tr>
<tr>
<td>11</td>
<td>Yarran Pl</td>
</tr>
<tr>
<td>12</td>
<td>Red Hill Rd/Plumpton Rd</td>
</tr>
<tr>
<td>13</td>
<td>Kooringal Rd near rear of KSTW</td>
</tr>
<tr>
<td>14</td>
<td>Forrest St/Brunskill Rd</td>
</tr>
<tr>
<td>15</td>
<td>Horseshoe Rd</td>
</tr>
<tr>
<td>16</td>
<td>Boorooma St/Cooramin St</td>
</tr>
<tr>
<td>17</td>
<td>Vincent Rd/Laurel Rd</td>
</tr>
</tbody>
</table>

**Lake Albert Extent**

- Hakea Pl
- Yarran Pl
- Red Hill Rd/Plumpton Rd
- Kooringal Rd near rear of KSTW
- Forrest St/Brunskill Rd

**North Flood Extent**

- Horseshoe Rd
- Boorooma St/Cooramin St

**East Flood Extent**

- Vincent Rd/Laurel Rd
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Contact Name: ________________________ Tel No: ________________________
Property Address: ________________________

☐ Residential Property ☐ Non-Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years ☐ 5 – 10 Years ☐ 10 – 15 Years ☐ 15 – 30 Years ☐ More than 30 Years

Have you experienced/observed any flooding near your premises? Please indicate the date of such an occurrence if known.

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<td>☐ House ☐ Other Buildings</td>
<td>☐ House ☐ Other Buildings</td>
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<tr>
<td>What level did the floodwaters reach on the rest of this or other properties? (e.g. - bottom of front step, or back fence line, etc)</td>
<td>☐ House ☐ Other Buildings</td>
<td>☐ House ☐ Other Buildings</td>
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<td>Can you say where the flooding came from? Was it made worse by some other influence? (e.g. - did the floodwaters come from a drain / street / neighbours property etc? Was flood diverted owing to blockage?)</td>
<td></td>
<td></td>
</tr>
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</table>

If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? ☐ Yes (Council Contact Brad Jeffrey 6926 9447)
Wagga Wagga Major Overland Flow Study – Questionnaire January 2010

Council is seeking the community’s input in providing historical data for an overland flow study for Wagga, and has engaged WMAwater to accurately define the nature and extent of this flooding. That is, the study focuses on local flooding and drainage rather than river flooding. This will provide a sound basis for addressing flood and drainage problem areas and for flood management/drainage planning of the catchment. If you have any such flood photographs or information on flood levels in your area, it would be greatly appreciated if you could provide them to Council’s consultants in the following ways. You can mail any photographs and/or the completed questionnaire (preferably by 2nd February, 2010) using the prepaid self-addressed envelope provided, or fax to 9262 6208, or scan and email to gray@wmawater.com.au. Council thanks you for your assistance in this study.

Contact Name: [redacted] Tel No: [redacted]
Property Address: MURRAY ST Wagga Wagga

Residential Property Non-Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years  ☐ 5 - 10 Years  ☐ 10 - 15 Years  ☐ 15 - 30 Years  ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

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<th>Date / /</th>
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<th>Date / /</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was the water above floor levels?</td>
<td>House</td>
<td>House</td>
</tr>
<tr>
<td>☐ House</td>
<td>☐ House</td>
<td>☐ House</td>
</tr>
<tr>
<td>☐ Other Buildings</td>
<td>☐ Other Buildings</td>
<td>☐ Other Buildings</td>
</tr>
</tbody>
</table>

What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)

Can you say where the flooding came from? Was it made worse by some other influence? (eg - did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)

If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? ☐ Yes (Council Contact: Brad Jeffrey 6926 9447)
1955 approx.

Dunlop's Building

Photo taken before main levee constructed (1960)

Would have been here.

Flood water went as high as windows in house next door in photo.

This photo taken looking down Murray Street.

Old Dunlop's Building can be seen on left.

Photo taken from Murray & Morgan Streets intersection, near South Wagga Tennis Courts.
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Contact Name: [Redacted] Tel No: [Redacted]
Property Address: MOREE ST [Redacted] E-Mail
Residential Property [ ] Non-Residential Property [ ]

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years ☐ 5 – 10 Years ☐ 10 – 15 Years ☑ 15 – 30 Years ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

<table>
<thead>
<tr>
<th>Approx Only</th>
<th>Date 12/2009</th>
<th>Late Date 1/2005</th>
<th>Early Date 1/2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was the water above floor levels?</td>
<td>☐ House ☑ Other Buildings</td>
<td>☐ House ☑ Other Buildings</td>
<td>☐ House ☑ Other Buildings</td>
</tr>
<tr>
<td>What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)</td>
<td>Road + Foot Path</td>
<td>LEFT HANDBLOCKED FRONT YARD COMPLETE ROAD + COMPLETE ROAD + E PATH BOTH SIDES OF HOUSE</td>
<td>190 MOREE ST (NEXT HOUSE) COMPLETE ROAD FRONT YARD COMPLETE ROAD + E PATH BOTH SIDES OF HOUSE</td>
</tr>
<tr>
<td>Can you say where the flooding came from? Was it made worse by some other influence? (eg - did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)</td>
<td>FLOODING CAUSED BY ABILITY OF STORM WATER TO ENTER OPEN DRAIN ON OPPOSITE SIDE OF ROAD DUE TO IT RUNNING FULL FROM WATER FROM ABOVE RAILINGS OIL/LOADING DRAIN</td>
<td></td>
<td></td>
</tr>
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If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? ☑ Yes (Council Contact: Brad Jeffrey 6926 9447)
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Contact Name: [redacted]  Tel No: [redacted]
Property Address: KOORINGAL RD  E-Mail [redacted]
□ Residential Property  □ Non-Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

□ Less than 5 Years  □ 5 – 10 Years  □ 10 – 15 Years  □ 15 – 30 Years  □ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

<table>
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<tr>
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<th>Date</th>
<th>Date</th>
<th>Date</th>
</tr>
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<tbody>
<tr>
<td>Was the water above floor levels?</td>
<td>Winter 1984</td>
<td></td>
<td></td>
</tr>
<tr>
<td>□ House</td>
<td>□ House</td>
<td>□ House</td>
<td></td>
</tr>
<tr>
<td>□ Other</td>
<td>□ Other Buildings</td>
<td>□ Other Buildings</td>
<td></td>
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What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)

BACK FENCE LINE BUT CAME UP TO GARDEN FENCE AT 5 41. KOORINGAL RD.

Can you say where the flooding came from? Was it made worse by some other influence? (eg - did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)

OVERFLOW OF CROOSED CREEK TRAINING OUT OF LAKE ALBERT.

If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? □ Yes  (Council Contact: Brad Jeffrey 6926 9447)
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Contact Name: [Redacted] Tel No: [Redacted]
Property Address: Locoamin St, Wagga, Wagga

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years  ☐ 5 – 10 Years  ☐ 10 – 15 Years  ☒ 15 – 30 Years  ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

☐ No ☐ Yes

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Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

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Contact Name: [redacted]
Tel No: [redacted]

Property Address: Kooringal Rd, Wassa Wassa

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

- [ ] Less than 5 Years
- [ ] 5 – 10 Years
- [ ] 10 – 15 Years
- [ ] 15 – 30 Years
- [ ] More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

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Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? □ Yes (Council Contact: Brad Jeffay 6926 9447)

I do believe this area has been flooded in the past.
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Contact Name: ____________________________  Tel No: ____________________________
Property Address: ____________________________  E-Mail: ____________________________
Residential Property  □  Non-Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

□ Less than 5 Years  □ 5 – 10 Years  □ 10 – 15 Years  □ 15 – 30 Years  □ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known. □ Yes □ No

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What level did the floodwaters reach on the rest of this or other properties? (eg. – bottom of front step, or back fence line, etc.)

Can you say where the flooding came from? Was it made worse by some other influence? (eg – did the flood waters come from a drain / street / neighbours property etc.? Was flow diverted owing to blockage?)

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Contact Name: [Redacted]  
Tel No:  
Property Address:  
Kooning Rd  
WAGGA NSW 2650  
Residential Property □  Non-Residential Property □

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years  ☐ 5 – 10 Years  ☐ 10 – 15 Years  ☐ 15 – 30 Years  ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

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<th>Date <em>/</em>/___</th>
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<tbody>
<tr>
<td>Was the water above floor levels? ☑</td>
<td>☑</td>
<td>☑</td>
</tr>
</tbody>
</table>
| ☐ House  
☐ Other Buildings | ☐ House  
☐ Other Buildings | ☐ House  
☐ Other Buildings |
| What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc) ☑ | ☑ | ☑ |
| Can you say where the flooding came from? Was it made worse by some other influence? (eg - did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?) | ☑ | ☑ |

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Contact Name: [Redacted] Tel No: [Redacted]

Property Address: [Redacted]

Residential Property ☐ Non-Residential Property

---

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years ☐ 5 – 10 Years ☐ 10 – 15 Years ☐ 15 – 30 Years ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known.

Never in 30 years or 10 years. What was the water above floor levels?

<table>
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What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)

□ House □ Other Buildings

□ House □ Other Buildings

□ House □ Other Buildings

Can you say where the flooding came from? Was it made worse by some other influence? (eg – did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)

Never in 30 years. How was the water above floor levels?

Never in 30 years. What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)

□ House □ Other Buildings

□ House □ Other Buildings

□ House □ Other Buildings

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Can we contact you for more information (please tick)? ☑ Yes (Council Contact: Brad Jeffrey 6926 9447)
Wagga Wagga Major Overland Flow Study – Questionnaire January 2010

Council is seeking the community’s input in providing historical data for an overland flow study for Wagga, and has engaged WMAwater to accurately define the nature and extent of this flooding. That is, the study focuses on local flooding and drainage rather than river flooding. This will provide a sound basis for addressing flood and drainage problem areas and for flood management/drainage planning of the catchment. If you have any such flood photographs or information on flood levels in your area, it would be greatly appreciated if you could provide them to Council’s consultants in the following ways. You can mail any photographs and/or the completed questionnaire (preferably by 2nd February, 2010) using the prepaid self-addressed envelope provided, or fax to 9262 6206, or scan and email to gray@wmatwater.com.au. Council thanks you for your assistance in this study.

Contact Name: [Redacted] Tel No: [Redacted]
Property Address: [Redacted] E-Mail: [Redacted]
☐ Residential Property ☑ Non-Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?
☐ Less than 5 Years  ☐ 5 – 10 Years  ☐ 10 – 15 Years  ☐ 15 – 30 Years  ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known. [Redacted].

<table>
<thead>
<tr>
<th>Date / /</th>
<th>Date / /</th>
<th>Date / /</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was the water above floor levels?</td>
<td>☐ House</td>
<td>☐ House</td>
</tr>
<tr>
<td>☐ Other Buildings</td>
<td>☐ Other Buildings</td>
<td>☐ Other Buildings</td>
</tr>
<tr>
<td>What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Can you say where the flooding came from? Was it made worse by some other influence? (eg – did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? ☑ Yes

(Council Contact: Brad Jefferys 9262 9447)
Wagga Wagga Major Overland Flow Study – Questionnaire January 2010

Council is seeking the community’s input in providing historical data for an overland flow study for Wagga, and has engaged WMAwater to accurately define the nature and extent of this flooding. That is, the study focuses on local flooding and drainage rather than river flooding. This will provide a sound basis for addressing flood and drainage problems areas and for flood management/drainage planning of the catchment. If you have any such flood photographs or information on flood levels in your area, it would be greatly appreciated if you could provide them to Council’s consultants in the following ways. You can mail any photographs and/or the completed questionnaire (preferably by 2nd February, 2010) using the prepaid self-addressed envelope provided, or fax to 9262 6208, or scan and email to gray@wmawater.com.au. Council thanks you for your assistance in this study.

Contact Name: TEL No: 
Property Address: [Plumpton Road, Wagga Wagga]
Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years  ☐ 5 – 10 Years  ☐ 10 – 15 Years  ☒ 15 – 30 Years  ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known. YES - UNSURE OF EXACT DATES - SEE ATTACHED

<table>
<thead>
<tr>
<th>Was the water above floor levels?</th>
<th>Date</th>
<th>Date</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>☐ House  ☐ Other Buildings</td>
<td>☐ House  ☐ Other Buildings</td>
<td>☐ House  ☐ Other Buildings</td>
<td></td>
</tr>
</tbody>
</table>

What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)

See attached

Can you say where the flooding came from? Was it made worse by some other influence? (eg – did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)

See attached

If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned).

Can we contact you for more information (please tick)? ☒ Yes  (Council Contact: Brad Jeffery 6926 9447)
We moved to this address in 1981 when there were no houses behind us in what is now Springvale.

During the period to about 1995 and despite some periods of very heavy rainfall the Springvale drain never overflowed its banks and there was no significant surface runoff across our property.

However in about 1995-1996 and after a period of very heavy rainfall in the catchment water flowed through our paddock. Again, in about 2005-2006, following heavy rainfall the same thing happened – probably with a greater quantity of water. Neither of these events resulted in water entering the house or other buildings.

**Where did the water/flooding come from?**

1. Urban development during the past 25 years in the area between Plumpton Road and Mangoplah Road has greatly increased both the volume and the speed of runoff.

2. As a consequence the volume of water in the Springvale drain has increased greatly causing it to overflow its banks.

3. Similarly, water flows down surface drains in Hakea Place to the Eastern end of Hakea Place and then a small surface drain goes south to flow into the Springvale drain. However to enter the Springvale drain this water must force a swing trap door to open. As the Springvale drain is already full of water this trap door cannot open against the force of water already in the drain and so the water in the smaller drain has nowhere else to go except to flow east with the gradient across our paddock.

4. When the Springvale drain is flowing with a full volume of water, the two pipe culvert under Plumpton Road is inadequate for the volume of water to flow through and causes the water to back up on the Western side of the culvert.

5. Maintenance work and improvements on the Springvale drain and the associated drainage infrastructure has, in our view, been inadequate over the past twenty nine years.

To summarise we believe that it is reasonable to say that the design of the Springvale drain and the associated drainage infrastructure did not adequately take into account the urban developments that have occurred in the area.

---

\[Signature\]
Wagga Wagga Major Overland Flow Study – Questionnaire January 2010

Council is seeking the community’s input in providing historical data for an overland flow study for Wagga, and has engaged WMAwater to accurately define the nature and extent of this flooding. That is, the study focuses on local flooding and drainage rather than river flooding. This will provide a sound basis for addressing flood and drainage problem areas and for flood management/drainage planning of the catchment. If you have any such flood photographs or information on flood levels in your area, it would be greatly appreciated if you could provide them to Council’s consultants in the following ways. You can mail any photographs and/or the completed questionnaire (preferably by 2nd February, 2010) using the prepaid self-addressed envelope provided, or fax to 9262 6208, or scan and email to grey@wmawater.com.au. Council thanks you for your assistance in this study.

Contact Name: [Redacted] TEL NO: [Redacted]

Property Address: [Redacted] Residential Property

Flood Related Information

How long have you lived or worked at this address (tick for length of time)?

☐ Less than 5 Years  ☐ 5 – 10 Years  ☐ 10 – 15 Years  ☒ 15 – 30 Years  ☐ More than 30 Years

Have you experienced / observed any flooding near your premises? Please indicate the date of such an occurrence if known. YES

<table>
<thead>
<tr>
<th>Property Location</th>
<th>Date 28/1/2015</th>
<th>Date 5/11/2005</th>
<th>Date _ / _ / _</th>
</tr>
</thead>
<tbody>
<tr>
<td>Was the water above floor levels?</td>
<td>☐ House</td>
<td>☒ House</td>
<td>☐ House</td>
</tr>
<tr>
<td>☒ Other Buildings</td>
<td>☒ Other Buildings</td>
<td>☒ Other Buildings</td>
<td></td>
</tr>
<tr>
<td>What level did the floodwaters reach on the rest of this or other properties? (eg - bottom of front step, or back fence line, etc)</td>
<td>JUST BELOW DOOR ENTRANCE (FLOOR LEVEL)</td>
<td>FLOOR LEVEL ENTRANCE BACK ROOMS</td>
<td></td>
</tr>
<tr>
<td>Can you say where the flooding came from? Was it made worse by some other influence? (eg - did the flood waters come from a drain / street / neighbours property etc? Was flow diverted owing to blockage?)</td>
<td>STORMWATER DRAIN IN BACK YARD WATER BACKED UP AS COUUNT</td>
<td>SAME</td>
<td></td>
</tr>
</tbody>
</table>

If needed please provide additional information over or on additional pages or photograph the flood mark.

Please include or email any photographs of flooding in and around your property (All photos will be copied/scanned and returned) ☑

Can we contact you for more information (please tick)? ☒ Yes (Council Contact: Brad Jeffrey 6926 9447)
Debris on back fence.

28th January 1995
Sweeping suit from shed floor.

28th January 1995
Debris on lawn at back of shed.

28th January 1995
Water flowing over back yard

28th January 1995
Water flowing over bridge.

28th January 1995
Drying carpets in study.

5th November 2005
Water level at family room sliding door

5th November 2005
Water-line on garage door

5th November 2005