



CAMDEN COUNCIL PUBLIC EXHIBITION DOCUMENT 2022

REVIEW OF UPPER SOUTH CREEK FLOOD STUDY IN THE CONTEXT OF ONGOING DEVELOPMENT: APPENDIX B – FLOOD MARKS SURVEY REPORT FOR FEBRUARY 2020 FLOOD EVENT

(Draft Report)

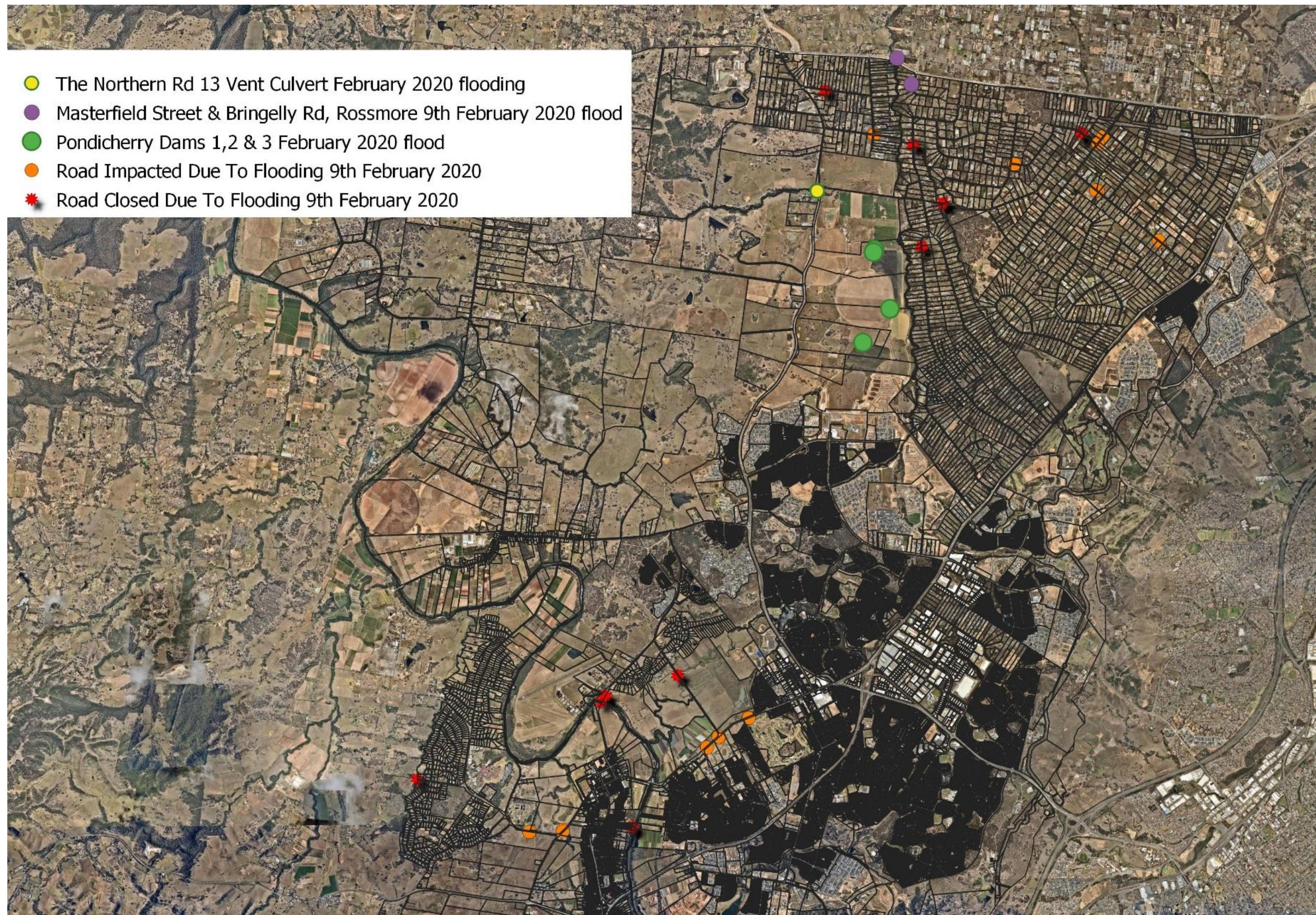


Figure 1: Flood Marek Survey locations

Co-ordinates and Elevations

ROADS CLOSED DUE TO FLOODING. ALERT ISSUED 09/02/2020
CO-ORDINATES AND ELEVATIONS OBTAINED USING LEICA GPRS

| Point Number | Easting | Northing | Elevation | Description |
|---|--------------|---------------|-----------|------------------------------|
| Catherine Field Rd, Catherine Field between Deepfield Road and Springfield Rd (ROAD CLOSED) | | | | |
| 1.01 | E 292846.498 | N 6238757.751 | EL 66.887 | Debris Mark on Road |
| 1.02 | E 292843.485 | N 6238784.021 | EL 66.738 | Debris Mark on Road |
| Barry Ave, Catherine Field (ROAD CLOSED) | | | | |
| 1.03 | E 292703.490 | N 6240541.856 | EL 61.597 | On Road CL at Bridge |
| 1.04 | E 292693.574 | N 6240557.985 | EL 61.787 | Debris Mark on Fence |
| Anthony Rd, Catherine Fields (ROAD CLOSED) | | | | |
| 1.05 | E 293239.065 | N 6239537.805 | EL 66.083 | Debris Mark on Fence |
| 1.06 | E 293229.836 | N 6239537.933 | EL 66.062 | Debris Mark on Fence |
| 1.07 | E 293204.684 | N 6239526.646 | EL 64.176 | On Road CL at Causeway |
| McCann Rd, Leppington (ROAD CLOSED) | | | | |
| 1.08 | E 295631.447 | N 6240759.539 | EL 80.083 | On Road CL at Bridge |
| 1.09 | E 295613.202 | N 6240761.599 | EL 78.960 | Debris Mark |
| 1.10 | E 295643.540 | N 6240761.386 | EL 78.966 | Debris Mark |
| Robinson Rd, Bringelly (ROAD CLOSED) | | | | |
| 1.11 | E 291150.731 | N 6241490.313 | EL 67.738 | Debris Mark on Fence |
| 1.12 | E 291172.386 | N 6241512.012 | EL 67.209 | On Road CL at Bridge |
| Kirkham Lane, Kirkham (ROAD CLOSED) | | | | |
| 1.13 | E 288609.083 | N 6231306.613 | EL 63.647 | On Road CL at Bridge |
| 1.14 | E 288587.960 | N 6231306.327 | EL 63.412 | Debris Mark on Ground |
| Smalls Rd at Sickles Creek, Grassmere (ROAD CLOSED) | | | | |
| 1.15 | E 284064.793 | N 6229496.521 | EL 73.623 | On Road CL at Bridge |
| 1.16 | E 284064.419 | N 6229504.293 | EL 73.959 | Debris Mark on Fence |
| Little Sandy Bridge, Camden (PEDESTRIAN BRIDGE CLOSED, NO ACCESS) | | | | |
| 1.17 | E 287812.333 | N 6228634.663 | EL 64.120 | Debris Mark on Ground |
| 1.18 | E 287816.076 | N 6228683.290 | EL 64.050 | Debris Mark on Steps |
| Macquarie Grove Road Bridge (ROAD CLOSED) | | | | |
| 1.19 | E 287257.110 | N 6230835.505 | EL 58.337 | On Road CL at Bridge |
| 1.20 | E 287332.411 | N 6230957.327 | EL 62.733 | Debris Mark on 70 Speed Sign |
| 1.21 | E 287341.742 | N 6230961.116 | EL 62.740 | Debris Mark on Power Pole |

ROADS IMPACTED DUE TO FLOODING. ALERT ISSUED 09/02/2020
CO-ORDINATES AND ELEVATIONS OBTAINED USING LEICA GPRS

| Point Number | Easting | Northing | Elevation | Description |
|--------------|---------|----------|-----------|-------------|
|--------------|---------|----------|-----------|-------------|

Eastwood Rd, Leppington (ROAD IMPACTED BY WATER ON THE ROAD)

| | | | | |
|------|--------------|---------------|-----------|----------------------------|
| 2.01 | E 296007.192 | N 6240701.606 | EL 79.051 | Debris Mark on Stone Fence |
| 2.02 | E 295919.825 | N 6240576.226 | EL 79.428 | On Road CL at Bridge |

Mark Rd, Leppington (ROAD IMPACTED BY WATER ON ROAD)

| | | | | |
|------|--------------|---------------|-----------|------------|
| 2.03 | E 294464.591 | N 6240218.456 | EL 84.940 | On Road CL |
|------|--------------|---------------|-----------|------------|

Heath Rd, Leppington 2 Locations (ROAD IMPACTED BY WATER ON THE ROAD)

| | | | | |
|------|--------------|---------------|-----------|----------------------|
| 2.04 | E 295917.351 | N 6239754.894 | EL 84.600 | Debris Mark on Fence |
| 2.05 | E 295886.169 | N 6239763.939 | EL 84.481 | On Road CL at Bridge |
| 2.06 | E 296986.470 | N 6238861.367 | EL 90.425 | Debris Mark on Fence |
| 2.07 | E 296976.816 | N 6238885.864 | EL 90.096 | On Road CL at Bridge |

Jersey Rd/Carrington Rd intersection (ROAD IMPACTED BY WATER ON THE ROAD)

| | | | | |
|------|--------------|---------------|-----------|-----------------------|
| 2.08 | E 292006.730 | N 6240732.019 | EL 63.391 | On Road CL at Culvert |
| 2.09 | E 292020.219 | N 6240735.682 | EL 63.133 | Debris Mark on Fence |

Sheathers Lane, Camden one lane closed (ROAD IMPACTED BY WATER ON THE ROAD)

| | | | | |
|------|--------------|---------------|-----------|----------------------|
| 2.10 | E 286027.220 | N 6228587.658 | EL 62.405 | On Road CL at Bridge |
| 2.11 | E 286011.801 | N 6228579.831 | EL 62.455 | Debris Mark on Fence |

Cawdor Rd, Camden (ROAD IMPACTED BY WATER ON THE ROAD)

| | | | | |
|------|--------------|---------------|-----------|-----------------------|
| 2.12 | E 286598.210 | N 6228617.415 | EL 62.416 | Debris Mark on Ground |
| 2.13 | E 286597.027 | N 6228586.664 | EL 62.999 | On Road CL at Bridge |

Camden Valley Way Narellan. 3 Locations (ROADS IMPACTED BY WATER ON THE ROAD)

| | | | | |
|------|--------------|---------------|-----------|-------------------------------------|
| 2.14 | E 289827.529 | N 6230573.429 | EL 72.276 | On Road CL at Golf Course Bridge |
| 2.15 | E 289837.310 | N 6230564.938 | EL 72.225 | Debris Mark on Golf Course Fence |
| 2.16 | E 289318.254 | N 6230222.498 | EL 64.655 | Debris Mark at Kirkham Oval Ground |
| 2.17 | E 289309.824 | N 6230238.294 | EL 65.499 | On Road CL at Kirkham Oval Bridge |
| 2.18 | E 289103.878 | N 6230060.417 | EL 65.118 | On Road at New BMX Track Bridge |
| 2.19 | E 289108.778 | N 6230048.222 | EL 64.788 | Debris Mark at New BMS Track Ground |

PONDICHERRY DAMS 1,2 & 3 FLOOD AND WEIR LEVELS FEBRUARY 2020
CO-ORDINATES AND ELEVATIONS OBTAINED USING LEICA GPRS

| Point Number | Easting | Northing | Elevation | Description |
|--------------|--------------|---------------|-----------|-------------------------|
| DAM No.1 | | | | |
| 3.01 | E 219824.448 | N 6237101.876 | RL 81.35 | Weir Level |
| 3.02 | E 291824.244 | N 6237111.276 | RL 81.45 | Debris mark on fence |
| DAM No.2 | | | | |
| 3.03 | E 292298.196 | N 6237693.382 | RL 73.75 | Weir Level |
| 3.04 | E 292293.553 | N 6237698.553 | RL 73.75 | Debris mark on spillway |
| DAM No.3 | | | | |
| 3.05 | E 292025.545 | N 6238727.091 | RL 72.75 | Weir Level |
| 3.06 | E 292009.276 | N 6238683.300 | RL 73.75 | Debris mark on ground |

MASTERFIELD STREET & BRINGELLY ROAD, ROSSMORE FLOODING. ALERT ISSUED 13/02/2020
CO-ORDINATES AND ELEVATIONS OBTAINED USING LEICA GPRS

| Point Number | Easting | Northing | Elevation | Description |
|---|--------------|---------------|-----------|--|
| No.18 Masterfield road, Bringelly | | | | |
| 4.01 | E 292671.921 | N 6241595.447 | EL 58.650 | Debris Height on Boundary Fence No.18 Masterfield Street 2020 Flood |
| 4.02 | E 292667.383 | N 6241615.052 | EL 58.559 | Top of Bracket on shed (2016 flood Height by owner) |
| Downstream of South Creek (Northern Side of Bringelly Road) | | | | |
| 4.03 | E 292417.873 | N 6242065.352 | EL 58.687 | Debris Height on Fence Downstream Side of Bringelly road 2020 Flood |

THE NORTHERN ROAD 13 VENT CULVERT LEVELS FEBRUARY 2020
CO-ORDINATES AND ELEVATIONS OBTAINED USING LEICA GPRS

| Point Number | Easting | Northing | Elevation | Description |
|--------------|------------|-------------|-----------|------------------------|
| 5.01 | 291030.872 | 6239738.272 | 68.655 | HEADWALL |
| 5.02 | 291023.335 | 6239758.735 | 67.92 | DEBRIS MARK ON FENCE |
| 5.03 | 291026.515 | 6239760.497 | 68.002 | DEBRIS ON GROUND |
| 5.04 | 291027.882 | 6239750.265 | 67.991 | DEBRIS LINE ON CULVERT |

Photographs of roads closed due to flooding

| Point # | Location | Photographs | | |
|-------------------|---|---|--|--|
| 1.01 & 1.02 | Catherine Field Rd, Catherine Field between Deepfield Road and Springfield Rd |  |  | |
| | |  |  | |

| Poin t # | Location | Photographs | |
|-------------------|--------------------------------------|---|--|
| 1.03 & 1.04 | Barry Ave, Catherin e Field |  |  |
| | |  | |
| | |  |  |

| Point # | Location | Photographs | | |
|-------------------------|---------------------------------|---|--|--|
| 1.05,1.0 6 & 1.07 | Anthony Rd, Catherine Fields |  |  | |
| | |  |  | |

| Point # | Location | Photographs | | |
|------------------|-----------------------|---|---|--|
| 1.08,1.09 & 1.10 | McCann Rd, Leppington |  |  |  |
| | |  | |  |

| Point # | Location | Photographs | | |
|-------------------|---------------------------|---|---|--|
| 1.11 & 1.12 | Robinson Rd, Bringelly |  |  | |
| | |  | | |

| Point # | Location | Photographs | | |
|-------------------|--------------------------|---|---|--|
| 1.13 & 1.14 | Kirkham Lane, Kirkham |  |  | |
| | |  | | |

| Poin t # | Location | Photographs | | |
|-------------------|--|--|---|--|
| 1.15 & 1.16 | Smalls Rd at Sickles Creek, Grassmer e |  |  | |
| | | | | |

| Poin t # | Locatio n | Photographs | | |
|-------------------|--|--|--|---|
| 1.17 & 1.18 | Little Sandy Bridge, Camde n |  |  |  |
| | | | | |

| Point # | Location | Photographs | | |
|----------------------------|--------------------------------------|--|--|--|
| 1.19, 1.20 & 1.21 | Macquarie Grove Road Bridge |  |  | |
| | |  |  | |

Photographs of roads impacted due to flooding

| Point # | Location | Photographs | | |
|-------------|-------------------------|---|--|--|
| 2.01 & 2.02 | Eastwood Rd, Leppington |  |  | |
| | |  | | |
| | | |  | |

| Poin t # | Location | Photographs | | |
|-------------|------------------------|--|---|--|
| 2.03 | Mark Rd, Leppington |  |  | |
| | | | | |

| Point # | Location | Photographs | | |
|-------------------------------------|---|--|---|--|
| 2.04, 2.05, 2.06 & 2.07 | Heath Rd, Leppington 2 Locations |  |  | |
| | |   |  | |

| Poin t # | Location | Photographs | | |
|-------------------|--|---|--|--|
| 2.08 & 2.09 | Jersey Rd/Carringt on Rd intersection |  |  | |
| | |  |  | |




| Poin t # | Location | Photographs | | |
|-------------------|---|--|--|--|
| 2.10 & 2.11 | Sheathers Lane, Camden one lane closed |  |  | |
| | | |  | |

| Poin t # | Location | Photographs | | |
|-------------------|----------------------|--|--|--|
| 2.12 & 2.13 | Cawdor Rd, Camden |  |  | |
| | | |  | |

| Poin t # | Location | Photographs | | | |
|---------------|--|--|---|--|---|
| 2.14 -2.19 | Camden Valley Way Narellan. 3 Locations |  |  |  |  |
| | |  |  |  | |

Photographs of PONDICHERRY DAMS 1,2 & 3

| Point # | Location | Photographs | | |
|-------------|----------|---|---|--|
| 3.01 & 3.02 | DAM No.1 |  |  | |
| | |  | | |

| Point # | Location | Photographs | | |
|----------------|-------------|---|--|--|
| 3.03 & 3.04 | DAM No.2 |  |  | |
| | |  |  | |

| Point # | Location | Photographs | | |
|----------------|-------------|--|--|--|
| 3.05 & 3.06 | DAM No.3 |  |  | |
| | |  |  | |

Photographs of Masterfield St

| Point # | Location | Photographs | | |
|-------------------|---|--|---|--|
| 4.01 & 4.02 | No.18 Masterfield road, Bringelly |  |  | |
| | | | | |

| Point # | Location | Photographs | | |
|---------|--|---|--|--|
| 4.03 | Downstream of South Creek (Northern Side of Bringelly Road |  |  | |
| | |  |  | |

Photographs of 13 Vent Culvert at the Northern Rd

| Point # | Location | Photographs | | |
|--------------|---------------------------------|---|--|--|
| 5.01 to 5.04 | The Northern Rd 13 vent culvert |  |  | |
| | |  |  | |