

**TABLE OF REGULATORY PEAK DISCHARGES**  
**(Revised October 28, 2014)**

Section 16.16.030.B requires the Chief Engineer to list the base flood peak discharges of all watersheds that generate flood peaks greater than 5,000 cfs. This list meets that requirement and includes peak discharges for other return frequencies as well as for smaller watersheds where regulatory discharges have been determined. This list is not all inclusive; any watershed that generates base flood peak discharges of more than 100 cfs is subject to the requirements of the Floodplain and Erosion Hazard Management Ordinance, Title 16 of the Pima County Code. Listed discharges are subject to review and revision due to urbanization, improvements, changes in the watershed, and improved methodology (check with Floodplain Management Division staff before use). All discharge values are in cubic feet per second.

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|--|---|--|--------------------------------------|--|
| Agua Caliente Wash <sup>3</sup><br>Upstream of confluence with<br>Tanque Verde Creek | 7,180   | 6,090 (2%), 9,555 (0.2%)   | 40.40                                | FEMA Map Revision<br>(11-09-1817S)         |
| Downstream of the divergence of<br>the Agua Caliente Spur Flow                       | 10,540  | 7,930 (2%), 18,925<br>(0.2%)                                       |                                      | “  |
| Downstream of confluence with<br>Soldier Canyon Wash                                 | 13,000  | 9,200 (2%), 26,000<br>(0.2%)                                       |                                      | “  |
| Upstream of confluence with<br>Soldier Canyon Wash                                   | 12,000  | 3,400 (10%), 8,400 (2%),<br>24,000 (0.2%)                          | 28.60                                | “  |
| Agua Caliente Split Flow<br>@ Divergence from Agua Caliente<br>Wash                  | 3,360   | 1,890 (2%), 7,080 (0.2%)   |                                      | FEMA Map Revision<br>(11-09-1817S)         |
| @ Confluence with Tanque Verde<br>Creek  | 5,820   | 3,160 (2%), 16,445<br>(0.2%)                                       |                                      | “  |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|--|---|--|--------------------------------------|--|
| Agua Caliente Spur Flow<br>@ Confluence with Agua Caliente<br>Split Flow   | 2,460   | 1,270 (2%), 7,075 (0.2%)   |                                      | FEMA Map Revision<br>(11-09-1817S)         |
| Airport Wash<br>@ Confluence with Santa Cruz<br>River  | 8,100   | 2,800 (10%), 6,200 (2%),<br>11,500 (0.2%)                          | 23.50                                | FEMA, Flood Insurance<br>Study             |
| Big Wash<br>Upstream of Confluence with<br>Canada Del Oro Wash   | 18,300  | 5,700 (10%), 13,500<br>(2%), 31,000 (0.2%)                         | 110.00                               | FEMA, Flood Insurance<br>Study             |
| Upstream of Confluence with<br>Honey Bee Wash  | 16,900  | 5,200 (10%), 12,400<br>(2%), 28,000 (0.2%)                         | 89.90                                | “  |
| Black Wash<br>@ downstream limit of detailed<br>study (intersection of Tucson-Ajo<br>and Old Ajo Highway, West of<br>Vahalla Road) | 8,872   |  | 48.80                                | FEMA, Flood Insurance<br>Study             |
| South of Tucson Ajo Highway, west<br>of Vahalla Road   | 4,904   |  | 26.40                                | “  |
| At the middle of Section 9, north of<br>Valencia Road and east of Vahalla<br>Road  | 6,703   |  | 24.20                                | “  |
| South of Valencia Road, downstream<br>Of Camino Rancho Rod   | 4,962   |  | 22.5                                 | FEMA Map Revision<br>(12-09-1311P)         |
| South of Valencia Road, near<br>Viviana Road <sup>4</sup>  | 5,035   |  | 16.80                                | FEMA, Flood Insurance<br>Study             |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|---|---|--|--------------------------------------|--|
| Blanco Wash<br>Upstream of confluence with Los Robles Wash  | 17,000  | 6,800 (10%), 13,500 (2%), 34,000 (0.2%)                            | 165.00                               | FEMA, Flood Insurance Study  |
| Bowes Wash<br>@ Tres Lomas Wash                             | 2,006   |  |                                      | From Previous Discharge Table  |
| Brawley Wash<br>Upstream of confluence with Los Robles Wash | 35,000  | 14,000 (10%), 28,000 (2%), 70,000 (0.2%)                           | 1,165.00                             | FEMA, Flood Insurance Study  |
| East Branch Brawley Wash<br>@ Avra Valley Road              | 21,000  |  |                                      | “  |
| Caliente Hills Wash<br>@ National Forest Boundary           | 2,899   |  |                                      | From Previous Discharge Table  |
| @ Agua Caliente Wash  | 2,473   |  |                                      | “  |
| Camino De Oeste Wash  |   |  |                                      | Pima County Regional Flood Control District Special Study (#63). Used in FEMA Map Revision (10-09-3002P) |
| @ Silverbell Road   | 6,432   |  | 5.69                                 |  |
| @ Speedway Boulevard  | 6,606   |  | 4.99                                 | “  |

| Watercourse  | Regulatory Discharge <sup>1</sup><br>(1% Return Frequency) | Other Discharge Values<br>(Return Frequencies) <sup>2</sup> | Drainage Area<br>(sq. miles)                     | Source of Discharge<br>Information   |
|--|--|---|--|--|
| Camino Real Wash<br><br>@ River Road<br><br>East Channel Downstream of River Road <sup>5</sup><br><br>West Channel Downstream of River Road <sup>5</sup>   | <br><br>1,956<br><br>1,205<br><br>1,151                    |   | <br><br>1.70                                     | Pima County Regional Flood Control District Special Study (#36). Used in FEMA Map Revision (08-09-1560P)<br><br>“<br><br>“   |
| Campbell Wash<br>@ Confluence with Rillito Creek<br><br>1,295 feet upstream of Campbell Ave.<br><br>Upstream of junction with East Branch of Campbell Wash at Camino Juan Paisano<br><br>2,150 feet downstream of Skyline Drive<br><br>East Branch Campbell Wash @ Camino Juan Paisano | 2,899<br><br>2,879<br><br>2,160<br><br>1,841<br><br>1,336  |   | <br><br>2.15<br><br>1.34<br><br>0.75<br><br>0.62 | From Previous Discharge Table<br><br>Pima County Regional Flood Control District Special Study (#76). Used in FEMA Map Revision (12-09-0017P)<br><br>“<br><br>“<br><br>“ |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                      |
|---|---|--|--------------------------------------|---|
| Canada Del Oro Wash   |   |  |                                      | FEMA Conditional Map Revision (08-09-0112R)                     |
| @ Confluence with Santa Cruz River                                  | 22,400  | 8,300 (10%), 17,300 (2%), 37,200 (0.2%)                            | 256.00                               |   |
| @ Overton Road  | 22,100  | 8,200 (10%), 17,100 (2%), 36,800 (0.2%)                            | 250.00                               | “   |
| Above Confluence with Big Wash                                      | 15,000  | 5,600 (10%), 11,600 (2%), 25,800 (0.2%)                            | 115.00                               | “   |
| Above Confluence with Southerland Wash                              | 11,900  | 4,400 (10%), 9,200 (2%), 19,900 (0.2%)                             | 72.90                                | “   |
| @ Pinal County Line   | 9,600   | 3,600 (10%), 7,400 (2%), 16,000 (0.2%)                             | 47.00                                | “   |
| Canyon Del Salto Wash   |   |  |                                      | Pima County Regional Flood Control District Special Study (#72) |
| @ Confluence with Tanque Verde Creek                                | 4,743   | 3,224 (4%), 7,182 (0.2%)   | 8.18                                 |   |
| Approximately 400 feet upstream of Redington Road                   | 2,695   | 1,752 (4%), 4,379 (0.2%)   | 6.57                                 | “   |
| Eastern tributary approximately 400 Feet upstream of Redington Road | 2,377   | 1,673 (4%), 3,317 (0.2%)   | 1.08                                 | “   |

| Watercourse   | Regulatory Discharge <sup>1</sup><br>(1% Return Frequency) | Other Discharge Values<br>(Return Frequencies) <sup>2</sup> | Drainage Area<br>(sq. miles) | Source of Discharge<br>Information                              |
|---|--|---|------------------------------|---|
| Carmack Wash<br>@ Thornydale Road   | 4,980  |   |                              | From Previous Discharge Table                                   |
| @ La Cholla Boulevard   | 4,803  |   | 4.11                         | Pima County Regional Flood Control District                     |
| @ La Cañada Road  | 4,795  |   | 3.70                         | internal memorandum by Evan Canfield (1-27-2009)                |
| Casas Adobes Wash<br>@ Rillito Creek  | 1,987.2  |   | 2.22                         | Pima County Regional Flood Control District Special Study (#75) |
| @ Las Lomitas   | 1,474  |   | 1.42                         | “   |
| @ La Cañada Road  | 1,363.3  |   | 1.06                         | “   |
| Tributary @Las Lomitas  | 1,133  |   | 0.52                         | “   |
| Tributary @ La Cañada Road  | 479  |   | 0.15                         | “   |
| Castle Rock Wash<br>@ Tanque Verde Road   | 2,559  |   | 1.21                         | Pima County Regional Flood Control District Special Study (#59) |
| Cienega Creek<br>@ Pantano Wash   | 18,000   |   |                              | From Previous Discharge Table                                   |
| Citrus Wash<br>Approximately 2,500 feet upstream of<br>Oracle Jaynes Station Road | 1,562  |   | 0.80                         | FEMA Map Revision (02-09-0746X)                                 |
| @ Oracle Jaynes Station Road  | 1,152  |   | 0.80                         | “   |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                            |
|---|---|--|--------------------------------------|---|
| Craycroft Wash<br>@ Rillito Creek                           | 3,620   | 2,244 (4%), 5,679 (0.2%)   | 3.16                                 | Pima County Regional<br>Flood Control District<br>Special Study (#56) |
| South of Rio Verde Vista Drive                              | 3,145   | 1,953 (4%), 4,849 (0.2%)   | 2.51                                 | “   |
| West Branch Craycroft Wash<br>North of Center Village Drive | 1,413   | 894 (4%), 2,178 (0.2%)   | 1.02                                 | “   |
| West Branch Craycroft Wash<br>South of Territory Drive      | 1,489   | 954 (4%), 2,230 (0.2%)   | 0.95                                 | “   |
| East Branch Craycroft Wash<br>North of Center Village Drive | 2,093   | 1,333 (4%), 3,137 (0.2%)   | 1.34                                 | “   |
| East Branch Craycroft Wash<br>South of Territory            | 1,269   | 807 (4%), 1,913 (0.2%)   | 0.73                                 | “   |
| Cuprite Wash<br>Upstream of Fagan Wash                      | 6,750   | 2,929 (10%), 4,888 (4%)  | 35.00                                | Lee Moore Wash Basin<br>Management Study                              |
| Upstream of Houghton Road                                   | 4,260   | 1,264 (10%), 2,257 (4%)  | 6.00                                 | “   |
| Upstream of Wilmot Road                                     | 6,160   | 3,472 (10%), 5,299 (4%)  | 25.00                                | “   |
| Dakota Wash<br>@ Mission Road                               | 2,745   |  | 1.97                                 | Flood Control District<br>Internal Memorandum<br>(undated)            |
| Davidson Canyon Wash<br>@ Vail                              | 19,000  |  |                                      | From Previous Discharge<br>Table                                      |

| Watercourse  | Regulatory Discharge <sup>1</sup><br>(1% Return Frequency) | Other Discharge Values<br>(Return Frequencies) <sup>2</sup> | Drainage Area<br>(sq. miles) | Source of Discharge<br>Information   |
|--|--|---|------------------------------|--|
| Deep Well Ranch Wash<br>@ Redington Road           | 770  |   |                              | From Previous Discharge Table  |
| Del Cerro Wash<br>@ Silverbell Road                | 1,182  |   | 1.23                         | Pima County Regional Flood Control District Special Study (#64). Used in FEMA Map Revision (10-09-2797P) |
| Demetrie Wash<br>@ Wetstones Road                  | 11,500   |   | 329                          | Pima County Regional Flood Control District Special Study (#28)  |
| Dodge Tank Wash<br>@ Pinal County Line             | 6,224  | 8,732 (0.2%)  | 5.82                         | FEMA Map Revision (12-09-0547P)  |
| Earp Wash<br>@ Palo Verde Road                     | 767  |   | 0.53                         | Pima County Regional Flood Control District Special Study (#35)  |
| Esperero Wash                                      |  |   |                              | Pima County Regional Flood Control District Special Study (#68). Used in FEMA Map Revision (09-09-2406P) |
| Upstream of Confluence with<br>Ventana Canyon Wash | 8,898  | 4,246 (10%), 6,949 (2%),<br>13,574 (0.2%)                   | 6.19                         |  |
| Upstream of Sunrise Drive                          | 9,170  | 4,333 (10%), 7,067 (2%),<br>13,663 (0.2%)                   | 6.11                         | “  |

| Watercourse   | Regulatory Discharge <sup>1</sup><br>(1% Return Frequency) | Other Discharge Values<br>(Return Frequencies) <sup>2</sup> | Drainage Area<br>(sq. miles) | Source of Discharge<br>Information   |
|---|--|---|------------------------------|--|
| Esperero Wash (continued)<br>Downstream of Thimble View Way | 10,762   | 5,121 (10%), 8,907 (2%),<br>15,953 (0.2%)                   | 5.90                         | Pima County Regional<br>Flood Control District<br>Special Study (#68). Used<br>in FEMA Map Revision<br>(09-09-2406P) |
| Fagan Wash<br>Fagan Wash "A" at Lee Moore Wash              | 7,390  | 2,565 (10%), 4,742 (4%)                                     | 42.00                        | Lee More Wash Basin<br>Management Study  |
| Fagan Wash "B" at Lee Moore Wash                            | 2,620  | 630 (10%), 1,500 (4%)                                       | 12.00                        | “  |
| Fagan Wash downstream of Cuprite<br>Wash                    | 9,810  | 3,354 (10%), 6,264 (4%)                                     | 52.00                        | “  |
| Fagan Wash upstream of Cuprite<br>Wash                      | 3,100  | 715 (10%), 1,485 (4%)                                       | 17.00                        | “  |
| Fagan Wash upstream of Wilmot<br>Road                       | 2,560  | 624 (10%), 1,234 (4%)                                       | 9.00                         | “  |
| Ferrero Wash<br>@ Tanque Verde Creek                        | 968  |   |                              | From Previous Discharge<br>Table   |

| <b>Watercourse</b>                                   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|--|---|--|--------------------------------------|--|
| Finger Rock Wash<br>@ Alvernon Way                   | 5,756   |  | 6.40                                 | FEMA Map Revision<br>(11-09-0275P)   |
| @ Skyline Drive                                      | 6,060   |  | 5.30                                 | “  |
| @ Coronado National Forest<br>Boundary               | 2,324   |  | 1.50                                 | “  |
| Finger Rock Wash Split Flow<br>@ Coronado Drive      | 1,922   |  | 3.40                                 | “  |
| Flato Wash<br>@ at Wilmot Road                       | 2,120   | 979 (10%), 1,476 (4%)  | 10.00                                | Lee Moore Wash Basin<br>Management Study   |
| Upstream of Houghton Rd                              | 5,690   | 4,829 (10%), 6,062 (4%)  | 18.00                                | “  |
| Flecha Caida Wash<br>@ Confluence with Rillito Creek | 1,370   |  | 1.42                                 | Pima County Regional<br>Flood Control District<br>Special Study (#55). Used<br>in FEMA Map Revision<br>(10-09-3332P) |
| @ River Road   | 846   |  | 0.83                                 | “  |
| @ Via Ra Posa  | 781   |  | 0.69                                 | “  |
| @ Paseo del Bac                                      | 604   |  | 0.47                                 | “  |

| <b>Watercourse</b>                                  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|---|---|--|--------------------------------------|--|
| Flecha Caida Wash-Eastern Tributary<br>@ River Road | 574   |  | 0.41                                 |  |
| Forty-Niners Wash<br>@ National Forest Boundary     | 4,578   |  |                                      | From Previous Discharge<br>Table   |
| @ Tanque Verde Road                                 | 3,500   |  |                                      | “  |
| Franco Wash<br>@ Wentworth Road                     | 2,188   |  | 4.20                                 | Lee Moore Wash Basin<br>Management Study<br>Lee More Wash Basin<br>Management Study                                  |
| @ Houghton Road Fairgrounds                         | 2,586   |  | 10.10                                | “  |
| @ Wilmot Road                                       | 2,782   |  | 21.70                                | “  |
| @ Swan Road   | 2,755   |  | 22.70                                | “  |
| @ Old Vail Connection Road                          | 4,449   |  | 30.80                                | “  |
| @ Nogales Highway                                   | 4,394   |  | 31.30                                | “  |
| Freeman Wash<br>@ Tanque Verde Creek                | 2,467   |  |                                      | From Previous Discharge<br>Table   |
| @ St. James Road                                    | 2,785   |  |                                      | “  |
| Friendly Village Wash<br>@ Stone Loop               | 1,610   | 2,639 (0.2%)   | 1.16                                 | Pima County Regional<br>Flood Control District<br>Special Study (#73). Used<br>in FEMA Map Revision<br>(08-09-0473P) |

| Watercourse                        | Regulatory Discharge <sup>1</sup><br>(1% Return Frequency) | Other Discharge Values<br>(Return Frequencies) <sup>2</sup> | Drainage Area<br>(sq. miles) | Source of Discharge<br>Information |
|------------------------------------|--|---|------------------------------|------------------------------------|
| @ Yvon Road                        | 1,671  | 2,780 (0.2%)  | 1.11                         | “                                  |
| Friendly Village Wash, East Branch |  |   |                              | Pima County Regional               |
| @ Agave Road                       | 666  | 1,042 (0.2%)  | 0.29                         | Flood Control District             |
| @ First Avenue                     | 442  | 697 (0.2%)  | 0.18                         | Special Study (#73). Used          |
|                                    |  |   |                              | in FEMA Map Revision               |
|                                    |  |   |                              | (08-09-0473P)                      |
| Friendly Village Wash, West Branch |  |   |                              |                                    |
| @ Approximately 1,800 Feet         |  |   |                              |                                    |
| Upstream of Yvon Road              | 1,101  | 1,747 (0.2%)  | 0.62                         | “                                  |
| @ First Avenue                     | 1,007  | 1,496 (0.2%)  | 0.42                         | “                                  |
| Fuller Wash                        |  |   |                              | From Previous Discharge            |
| Upstream of Fuller Road            | 4,162  |   |                              | Table                              |
| Garfield Wash                      |  |   |                              | Pima County Regional               |
| @ La Cholla Boulevard              | 1,137  |   | 1.43                         | Flood Control District             |
| @ La Cañada Boulevard              | 886  |   | 0.75                         | internal memorandum by             |
|                                    |  |   |                              | Evan Canfield                      |
|                                    |  |   |                              | (12-28-2008)                       |
| Garfield Tributary                 | 308  |   | 0.16                         | “                                  |
| @ La Cañada Boulevard              |  |   |                              | “                                  |
| Geronimo Wash                      |  |   |                              | Pima County Regional               |
| @ confluence with Pima Wash        | 4,894  | 3,052 (4%), 7,995 (0.2%)                                    | 3.37                         | Flood Control District             |
| Approximately 500 feet upstream of |  |   |                              | Special Study (#54)                |
| confluence with Pima Wash          | 4,002  | 2,450 (4%), 6,495 (0.2%)                                    | 2.54                         | “                                  |

| <b>Watercourse</b>                                      | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                                |
|---|---|--|--------------------------------------|---|
| Geronimo Wash (Continued)                               |   |  |                                      | Pima County Regional<br>Flood Control District<br>Special Study (#54)     |
| South of Orange Grove Road                              | 4,132   | 2,342 (4%), 6,592 (0.2%)   | 2.33                                 |   |
| @ Skyline Avenue  | 4,005   | 2,507 (4%), 5,680 (0.2%)   | 1.90                                 | “   |
| @ Ina Road  | 3,713   | 2,563 (4%), 5,206 (0.2%)   | 1.68                                 | “   |
| North of Calle Sin Desengana                            | 2,411   | 1,711 (4%), 3,336 (0.2%)   | 0.99                                 | “   |
| Gibson Arroyo   |   |  |                                      | FEMA, Flood Insurance<br>Study  |
| @ West 2 <sup>nd</sup> Avenue, Ajo Arizona <sup>6</sup> | 2,400   | 920 (10%), 1,850 (2%),<br>4,750 (0.2%)                             | 2.20                                 |   |
| @ State Highway 85, Ajo Arizona                         | 3,990   | 1,560 (10%), 3,140 (2%),<br>4,200 (0.2%)                           | 1.70                                 | “   |
| Golder Wash   |   | 1,938 (10%)  | 3.7                                  | Pima County Regional<br>Flood Control District<br>Special Study (#9)      |
| @ Confluence with Southerland<br>Wash                   | 5,140   |  |                                      |   |
| Green Valley Drainageway #1                             |   |  |                                      | Green Valley<br>Drainageways and Basin<br>Management Study, 6-27-<br>2014 |
| @ Santa Cruz River                                      | 1,963   |  | 0.91                                 |   |
| @ Interstate 19   | 1,488   |  | 0.59                                 | “   |
| @ La Cañada Drive                                       | 1,007   |  | 0.38                                 | “   |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|--|---|--|--------------------------------------|--|
| Green Valley Drainageway #2<br>@ Santa Cruz River                          | 567   |  | 0.16                                 | “  |
| @ Abrego Drive   | 359   |  | 0.08                                 | “  |
| Green Valley Drainageway #3<br>@ Santa Cruz River                          | 2,849   |  | 1.78                                 | “  |
| @ Interstate 19  | 2,832   |  | 1.49                                 | “  |
| 200 feet upstream of Interstate 19   | 830   |  | 0.33                                 | “  |
| @ La Cañada Drive  | 437   |  | 0.17                                 | “  |
| Green Valley Drainageway #4<br>Above confluence with GV<br>Drainageway # 3 | 1,981   |  | 1.03                                 | “  |
| @ La Cañada Drive  | 793   |  | 0.35                                 | “  |
| Green Valley Drainageway #5<br>Above confluence with GV<br>Drainageway # 4 | 1,134   |  | 0.56                                 | “  |
| @ La Cañada Drive  | 473   |  | 0.21                                 | “  |
| Green Valley Drainageway #6<br>@ Santa Cruz River                          | 3,016   |  | 1.44                                 | “  |
| @ Interstate 19  | 3,017   |  | 1.31                                 | “  |
| @ La Cañada Drive  | 2,781   |  | 1.16                                 | “  |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|---|---|--|--------------------------------------|--|
| Green Valley Drainageway #7<br>@ Santa Cruz River                                 | 1,492   |  | 0.51                                 | “  |
| @ Interstate 19   | 1,575   |  | 1.49                                 | “  |
| @ La Cañada Drive   | 1,260   |  | 0.35                                 | “  |
| Green Valley Drainageway #8<br>@ Santa Cruz River                                 | 597   |  | 0.15                                 | “  |
| @ Abrego Drive  | 586   |  | 0.13                                 | “  |
| Green Valley Drainageway #9<br>@ Santa Cruz River                                 | 3,430   |  | 6.32                                 | “  |
| @ Interstate 19   | 3,473   |  | 6.31                                 | “  |
| @ La Cañada Drive   | 3,456   |  | 6.22                                 | “  |
| Green Valley Drainageway #9 –Middle<br>Tributary<br>Downstream of Camino Del Poso | 337   |  | 0.13                                 | “  |
| Green Valley Drainageway #9 –<br>Southern Tributary<br>@ Camino Del Monte         | 353   |  | 0.11                                 | “  |
| Green Valley Drainageway #10<br>@Santa Cruz River                                 | 235   |  | 0.05                                 | “  |
| Green Valley Drainageway #11<br>@Santa Cruz River                                 | 286   |  | 0.07                                 | “  |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|---|---|--|--------------------------------------|--|
| Green Valley Drainageway #12<br>@Santa Cruz River                             | 264   |  | 0.07                                 | “  |
| Green Valley Drainageway #13<br>@Santa Cruz River Floodplain                  | 2,162   |  | 1.32                                 | “  |
| @ Interstate 19   | 2,204   |  | 1.31                                 | “  |
| @ La Cañada Drive   | 1,253   |  | 0.59                                 | “  |
| Green Valley Drainageway #13<br>Tributary #1<br>Downstream of Paseo Del Prado | 1,018   |  | 0.56                                 | “  |
| Upstream of confluence with<br>Tributary 2                                    | 438   |  | 0.22                                 | “  |
| Green Valley Drainageway #13<br>Tributary #2<br>Downstream of Vista Hermosa   | 638   |  | 0.32                                 | “  |
| Green Valley Drainageway #14<br>@Santa Cruz River Floodplain                  | 147   |  | 0.03                                 | “  |
| Green Valley Drainageway #15<br>@Santa Cruz River Floodplain                  | 161   |  | 0.03                                 | “  |
| Green Valley Drainageway #16<br>@Santa Cruz River Floodplain                  | 412   |  | 0.64                                 |  |
| Green Valley Drainageway #17<br>@Santa Cruz River Floodplain                  | 1,281   |  | 0.72                                 | “  |
| @ Interstate 19   | 1,241   |  | 0.67                                 | “  |
| @ La Cañada Drive   | 1,110   |  | 0.59                                 | “  |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|--|---|--|--------------------------------------|--|
| Green Valley Drainageway #18<br>@Santa Cruz River Floodplain | 202   |  | 0.04                                 | “  |
| Green Valley Drainageway #19<br>@Santa Cruz River Floodplain | 215   |  | 0.05                                 | “  |
| Green Valley Drainageway #20<br>@Santa Cruz River Floodplain | 739   |  | 0.34                                 | “  |
| @ interstate 19  | 649   |  | 0.29                                 | “  |
| Green Valley Drainageway #21<br>@Santa Cruz River Floodplain | 382   |  | 0.12                                 | “  |
| @ Interstate 19  |   |  |                                      |  |
| Green Valley Drainageway #22<br>@Santa Cruz River Floodplain | 503   |  | 0.15                                 | “  |
| @ Interstate 19  | 236   |  | 0.07                                 | “  |
| Green Valley Drainageway #23<br>@Santa Cruz River Floodplain | 1,638   |  | 0.73                                 | “  |
| @ Interstate 19  | 1,044   |  | 0.5                                  | “  |
| Green Valley Drainageway #24<br>@Santa Cruz River Floodplain | 1,637   |  | 0.84                                 | “  |
| @ Interstate 19  | 767   |  | 0.44                                 | “  |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                             |
|--|---|--|--------------------------------------|--|
| Green Valley Drainageway #24<br>Tributary 1<br>@above confluence with<br>Drainageway #24 | 907   |  | 0.33                                 | “  |
| @ Interstate 19  | 815   |  | 0.27                                 | “  |
| Green Valley Drainageway #25<br>@Santa Cruz River  | 1,164   |  | 0.34                                 | “  |
| @ Interstate 19  | 963   |  | 0.26                                 | “  |
| Gunnery Range Wash<br>@ at El Toro Road (multiple threads)                               | 1,900   | 435 (10%), 867 (4%)  | 9.00                                 | Lee Moore Wash Basin<br>Management Study                               |
| @ South Section Line,<br>Section 32, T16S, R14E  | 4,480   | 911 (10%), 1,948 (4%)  | 28.00                                | “  |
| Hacienda Del Sol Wash<br>@ Rillito Creek   | 806   |  | 0.66                                 | Pima County Regional<br>Flood Control District<br>Special Study (#48). |
| Hardy Wash<br>@ Camino De Oeste Road   | 4,536   |  |                                      | From Previous Discharge<br>Table                                       |
| Hughes Wash<br>@ Hughes Access Road  | 2,416   |  |                                      | From Previous Discharge<br>Table                                       |
| @ Old Nogales Highway  | 7,946   |  |                                      | “  |
| @ Santa Cruz River   | 6,021   |  |                                      | “  |
| Idle Hour Wash   |   |  |                                      | Within Hydrology Report<br>for FEMA, Conditional<br>Map Revision       |
| Above Idle Hour East Wash Confluence   | 4,697   |  | 4.02                                 | (10-09-3686R)  |
| @ Silverbell Road  | 5,515   |  | 6.48                                 | “  |

| Watercourse   | Regulatory Discharge <sup>1</sup><br>(1% Return Frequency) | Other Discharge Values<br>(Return Frequencies) <sup>2</sup>  | Drainage Area<br>(sq. miles)       | Source of Discharge<br>Information                                   |
|---|--|--|------------------------------------|--|
| Indian Hills Wash<br>@ Bear Canyon Road<br>@ Catalina Highway   | 1,935<br>1,340   |  |                                    | From Previous Discharge<br>Table<br>“                                |
| Ironwood Wash<br>Upstream of the intersection of Neal<br>Ave. and San Joaquin Rd.   | 2,985  |  | 3.19                               | Pima County Regional<br>Flood Control District<br>Special Study (#8) |
| Julian Wash <sup>7</sup><br>Approximately 950 feet upstream of<br>Campbell Avenue<br><br>Just downstream of Wilmot Road   | 3,360<br>2,270   |  | 24.90<br>16.50                     | FEMA Map Revision<br>(99-09-1084P)<br>“                              |
| King Canyon Wash<br>@ Kinney Road   | 3,902  |  |                                    | From Previous Discharge<br>Table                                     |
| Lee Moore Wash<br>1,600 feet upstream of Petty Ranch<br>Wash and downstream of Fagan<br>Wash<br><br>Lee Moore Wash breakout flow<br>returning to Lee Moore Wash within<br>Section 16, T14S, R30E<br><br>Downstream of Nogales Highway<br>Lee Moore Wash (Continued)<br>Upstream of Fagan Wash (breakout<br>flow excluded) | 19,210<br>10,420<br>20,210<br>3,560                        | 4,159 (10%), 8,565 (4%)<br>951 (10%), 3,313 (4%)<br>4,445 (10%), 8,985 (4%)<br>1,620 (10%), 2,447 (4%) | 115.00<br>42.00<br>121.00<br>29.00 | Lee Moore Wash Basin<br>Management Study<br>“<br>“<br>“              |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                                    |
|---|---|--|--------------------------------------|---|
| Little Brawley Wash<br>USGS Gage Station 09487100<br>(discontinued gage site) | 13,800  |  | 11.9                                 | USGS Water-Resources<br>Investigations Open File<br>Report 78-33 (March 1978) |
| Los Robles Wash<br>Downstream of Confluence with<br>Blanco Wash               | 37,000  | 14,500 (10%), 30,000<br>(2%), 74,000 (0.2%)                        | 1,340                                | FEMA, Flood Insurance<br>Study  |
| @ Trico Road  | 35,000  | 14,000 (10%), 28,000<br>(2%), 70,000 (0.2%)                        | 1,175                                | “   |
| Mescal Arroyo<br>@ Pantano Wash   | 12,000  |  |                                      | From Previous Discharge<br>Table  |
| Millagrosa Hills Wash<br>@ Confluence with Soldier Canyon<br>Wash             | 1801  |  | 1.24                                 | Pima County Regional<br>Flood Control District<br>Special Study (#33)         |
| Mission Wash<br>@ West side of San Xavier Estates                             | 4,460   |  | 16.6                                 | Pima County Regional<br>Flood Control District<br>Special Study (#40)         |
| Monument Wash<br>@ Speedway Boulevard   | 9,495   |  |                                      | From Previous Discharge<br>Table  |
| Nanini Wash<br><br>@ Rillito Creek  | 2,246   |  | 1.83                                 | FEMA Conditional Map<br>Revision (06-09-BG74R-<br>Riverside Crossing III)     |
| @La Cholla Boulevard  | 1,903   |  | 1.78                                 | Pima County Regional<br>Flood Control District<br>Special Study (#74)         |
| @ La Cañada Boulevard   | 1,831   |  | 1.04                                 | “   |
| Old Granddad Tank Wash<br>@ Tanque Verde Creek Confluence                     | 3,942   | 2,723 (4%), 5,575 (0.2%)   | 2.02                                 | Pima County Regional<br>Flood Control District<br>Special Study (#57)         |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b> |
|--|---|--|--------------------------------------|--|
| Pantano Wash<br>@ Craycroft Road                             | 32,000  | 8,400 (10%), 20,000<br>(2%), 64,000 (0.2%)                         | 604.0                                | FEMA, Flood Insurance<br>Study             |
| @ Houghton Road  | 31,000  | 8,100 (10%), 19,500<br>(2%), 62,000 (0.2%)                         | 570.00                               | “  |
| Upstream of Confluence with<br>Rincon Creek                  | 29,000  | 7,400 (10%), 17,500<br>(2%), 58,000 (0.2%)                         | 475.00                               | “  |
| Pegler Wash<br>@ Rillito Creek                               | 3,412   |  |                                      | FEMA Map Revision<br>(04-09-0465X)         |
| @ Shannon Road   | 1,874   |  |                                      | FEMA Map Revision<br>(09-09-0020P)         |
| Petty Ranch Wash<br>1,300 feet upstream of Lee Moore<br>Wash | 1,230   | 310 (10%), 488 (4%)  | 6.00                                 | Lee Moore Wash Basin<br>Management Study   |
| Picture Rock Wash<br>@ Picture Rocks Road                    | 3,479   |  |                                      | From Previous Discharge<br>Table           |
| Pima Wash<br>Upstream of Confluence with Rillito<br>Creek    | 5,300   | 1,800 (10%), 4,050 (2%),<br>10,700 (0.2%)                          | 9.80                                 | FEMA, Flood Insurance<br>Study             |
| Upstream of Confluence with<br>Geronimo Wash                 | 4,250   | 1,400 (10%), 3,200 (2%),<br>8,500 (0.2%)                           | 6.30                                 | “  |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                             |
|--|---|--|--------------------------------------|--|
| Pontotoc Canyon Wash<br>@ Coronado National Forest<br>Boundary   | 2,503   |  | 1.10                                 | FEMA Map Revision<br>(11-09-0275P)                                     |
| Race Track Wash<br>@ River Road                                  | 1,883   | 1,211 (4%), 2,830 (0.2%)   | 1.38                                 | Pima County Regional<br>Flood Control District<br>Special Study (#71). |
| Between Camino Padre Isidoro and<br>Calle de la Culebra          | 1,680   | 1,130 (4%), 2,420 (0.2%)   | 0.93                                 | “  |
| Rillito Creek<br>Upstream of Confluence with Santa<br>Cruz River | 32,000  | 12,500 (10%), 23,000<br>(2%), 62,000 (0.2%)                        | 935.00                               | FEMA, Flood Insurance<br>Study   |
| @ First Avenue   | 32,000  | 12,500 (10%), 24,000<br>(2%), 64,000 (0.2%)                        | 892.00                               | “  |
| Rincon Creek<br>Upstream of Confluence with<br>Pantano Wash      | 21,000  | 6,700 (10%), 16,000<br>(2%), 42,000 (0.2%)                         | 81.10                                | FEMA, Flood Insurance<br>Study   |
| Upstream of Confluence with<br>Coyote Wash                       | 18,500  | 5,800 (10%), 14,000<br>(2%), 37,000 (0.2%)                         | 60.70                                | “  |
| At USGS Gaging Station at Sentinel<br>Butte                      | 16,000  | 5,000 (10%), 12,000<br>(2%), 32,000 (0.2%)                         | 44.80                                | “  |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|--|---|--|--------------------------------------|--|
| Rinconado Wash<br>@ Redington Road                                 | 949   |  |                                      | From Previous Discharge Table  |
| Roger Wash<br>@ Silverbell Road                                    | 5,745   |  | 5.36                                 | Pima County Regional Flood Control District Special Study (#65). Used in FEMA Map Revision (10-09-3256P) |
| Sabino Creek<br>Upstream of Confluence with<br>Tanque Verde Creek  | 18,000  | 4,900 (10%), 12,000<br>(2%), 36,000 (0.2%)                         | 66.40                                | FEMA, Flood Insurance Study  |
| Upstream of Confluence with Bear<br>Creek                          | 12,500  | 3,750 (10%), 8,500 (2%),<br>25,000 (0.2%)                          | 36.80                                | “  |
| Saddle Brook Wash<br>@ Confluence with Canada Del Oro <sup>8</sup> | 1,014   | 1,479 (0.2%)   | 3.11                                 | FEMA Map Revision (12-09-0547P)  |
| Santa Cruz River<br>@ Cortaro Road                                 | 70,000  | 21,800 (10%), 48,000<br>(2%), 107,400 (0.2%)                       | 3,503.0                              | FEMA, Flood Insurance Study  |
| Upstream of Confluence with Canada<br>Del Oro Wash                 | 70,000  | 21,800 (10%),<br>48,000 (2%), 107,400<br>(0.2%)                    | 3,232.0                              | “  |
| Upstream of Confluence with Rillito<br>Creek                       | 60,000  | 16,800 (10%), 41,000<br>(2%), 93,000 (0.2%)                        | 2,282.0                              | “  |
| Santa Cruz River Continued<br><br>@ Congress Street                | 60,000  | 16,800 (10%), 41,000<br>(2%), 93,000 (0.2%)                        | 2,222.0                              | FEMA, Flood Insurance Study  |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>                                    |
|---|---|--|--------------------------------------|---|
| @ Drexel Road   | 60,000  | 16,800 (10%), 41,000 (2%), 93,000 (0.2%)                           | 2,101.0                              | “   |
| Santa Cruz River (Continued)<br>@ Continental Road            | 45000   |  | 1,662.0                              | FEMA, Flood Insurance Study   |
| San Pedro River<br>@ Redington Road                           | 50,000  |  |                                      | From Previous Discharge Table   |
| Scott’s Knob Wash<br>@ Tanque Verde Creek Confluence          | 6,790   | 4,325 (4%), 10,286 (0.2%)  | 5.05                                 | Pima County Regional Flood Control District Special Study (#69)               |
| Soldier Wash<br>@ Catalina Highway                            | 5,562   |  | 3.61                                 | Pima County Regional Flood Control District Special Study (#18)               |
| Sopori Wash<br>@ U.S. Highway 89                              | 19,900  | 6,700 (10%), 14,300 (2%), 47,860 (0.2%)                            | 164.0                                | FEMA, Flood Insurance Study   |
| Summit Wash<br>@ Old Nogales Highway                          | 603   |  | 1.20                                 | Lee Moore Wash Basin Management Study   |
| Sutherland Wash<br>@ Northern boundary of Catalina State Park | 13,656  | 4,507 (10), 7,315 (4%)<br>10,349 (2%), 19,550 (0.2%)               | 16.6                                 | Pima County Regional Flood Control District Special Study (#9)                |
| Near National Forest Service Boundary                         | 12,752  |  | 11.6                                 | “”  |
| @ Confluence with Cañada Del Oro                              | 15,518  |  | 40.89                                | Tech Memorandum for Canada Del Oro Wash Hydrology. Michel Baker Jr. 11/1/2008 |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|---|---|--|--------------------------------------|--|
| Sweetwater Wash<br>@ Silverbell Road                                    | 5,622   |  | 4.8                                  | Pima County Regional Flood Control District Special Study (#66). Used in FEMA Map Revision (10-09-2793P) |
| Sycamore Canyon Wash<br>Upstream of Wilmot Road                         | 1,770   | 647 (10%), 1,041 (4%)  | 4.0                                  | Lee Moore Wash Basin Management Study  |
| Sycamore Canyon Wash Tributaries<br>Sycamore Canyon "A" at Tatanka Lane | 1,890   | 768 (10%), 1,301 (4%)  | 4.0                                  | Lee Moore Wash Basin Management Study  |
| Sycamore Canyon "C1" at Sahuarita Road                                  | 1,480   | 426 (10%), 761 (4%)  | 4.0                                  | "  |
| Sycamore Canyon "C2" @ Sahuarita Road                                   | 930   | 314 (10%), 528 (4%)  | 3.0                                  | "  |
| Tanque Verde Creek<br>Upstream of Confluence with Rillito Creek         | 34,000  | 10,500 (10%), 24,000 (2%), 68,000 (0.2%)                           | 241.0                                | FEMA, Flood Insurance Study  |
| Upstream of Confluence with Sabino Creek                                | 28,000  | 8,700 (10%), 20,000 (2%), 56,000 (0.2%)                            | 149.0                                | "  |
| Near the confluence with the Agua Caliente Wash                         | 23,000  | 7,300 (10%), 17,500 (2%), 46,000 (0.2%)                            | 99.60                                | "  |
| Upstream of Confluence with Canyon Del Salto                            | 16,000  | 5,000 (10%), 12,500(2%), 32,000 (0.2%)                             | 43.10                                | "  |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|---|---|--|--------------------------------------|--|
| Tanuri Wash<br>@ Tanque Verde Creek   | 2,409   |  | 1.80                                 | Pima County Regional<br>Flood Control District<br>Special Study (#51).   |
| Upstream of confluence with East<br>Branch of Tanuri Wash   | 1,884   |  | 1.20                                 | “  |
| Tanuri Wash (East Branch)   | 1,092   |  | 0.50                                 | “  |
| Tortolita Fan <sup>9 10</sup> (discharge values are<br>at the fan apex of each subbasin)<br>@ Canada Agua Canyon East | 3,623 (x-sec 2, T11,R13,<br>Sec 21)                                   |  |                                      | Pima County Regional<br>Flood Control District<br>Special Study (#22)  |
| @ Canada Agua Canyon West   | 1,030 (x-sec 2, T11,R13,<br>Sec 29)                                   |  |                                      | “  |
| Tortolita Fan (Continued) <sup>8 9</sup><br>@ North Ranch   | 1,123 (x-sec 1, T11,<br>R13, Sec 27)                                  |  |                                      | Pima County Regional<br>Flood Control District<br>Special Study (#22)  |
| @ Prospect Wash   | 5,912 prospect (x-sec 2,<br>T11,R13, Sec 30)                          |  |                                      | “  |
| Trails End Wash<br>@ Silverbell Road  | 2,546   |  | 2.84                                 | Pima County Regional<br>Flood Control District<br>Special Study (#60). Used<br>in FEMA Map Revision<br>(10-09-2498P) |

| <b>Watercourse</b>  | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|---|---|--|--------------------------------------|--|
| Twenty-Seven Wash<br>@ Oracle Road                                  | 3,690   | 1,849 (10%)  | 4.08                                 | Pima County Regional<br>Flood Control District<br>Special Study (#22)  |
| Unnamed Wash 1<br>@ Silverbell Road                                 | 1,229   |  | 0.81                                 | Pima County Regional<br>Flood Control District<br>Special Study (#67). Used<br>in FEMA Map Revision<br>(10-09-3002P) |
| Unamend Wash at Hacienda Del Sol<br>and River Roads<br>@ River Road | 690   |  | 0.36                                 | Pima County Regional<br>Flood Control District<br>Special Study (#48)  |
| Valencia Wash<br>@ Valencia Road                                    | 5,310   |  | 2.52                                 | FEMA Map Revision<br>13-09-0833P   |
| Valley View Wash<br>Near River Road                                 | 3,514   |  | 4                                    | Pima County Regional<br>Flood Control District<br>Special Study (#3)   |
| @ Flecha Drive  | 3,219   |  | 1.94                                 | “  |
| Valley View Wash (Continued)  |   |  |                                      | Pima County Regional<br>Flood Control District<br>Special Study (#50)  |
| @ Swan Road   | 2,802   |  | 1.42                                 |  |

| <b>Watercourse</b>   | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|--|---|--|--------------------------------------|--|
| Ventana Canyon Wash<br>@ Confluence with Tanque Verde<br>Creek | 11,527  | 5,066 (10%), 9,030 (2%),<br>18,238 (0.2%)                          | 16.64                                | Pima County Regional<br>Flood Control District<br>Special Study (#68). Used<br>in FEMA Map Revision<br>(09-09-2406P) |
| Downstream of River Road                                       | 12,058  | 5,325 (10%), 9,453 (2%),<br>19,072 (0.2%)                          | 15.87                                | “  |
| Upstream of Kolb Road  | 15,939  | 7,271 (10%), 12,547<br>(2%), 25,162 (0.2%)                         | 14.14                                | “  |
| Downstream of confluence with<br>Esperero Wash                 | 17,753  | 8,122 (10%), 14,053<br>(2%), 27,253 (0.2%)                         | 14.1                                 | “  |
| Upstream of confluence with Esperero<br>Wash                   | 11,484  | 5,271 (10%), 9,151 (2%),<br>17,544 (0.2%)                          | 7.94                                 | “  |
| Upstream of Sunrise Drive                                      | 12,044  | 5,378 (10%), 9,448 (2%),<br>17,805 (0.2%)                          | 6.98                                 | “  |
| Upstream of Resort Drive                                       | 10,596  | 5,179 (10%), 8,813 (2%),<br>14,864 (0.2%)                          | 3.85                                 | “  |
| Via Entrada Wash East Branch<br>@ River Road                   | 944   |  | 0.54                                 | Pima County Regional<br>Flood Control District<br>Special Study (#77)  |
| Via Entrada Wash West Branch<br>@ River Road                   | 1,630   |  | 0.67                                 | Pima County Regional<br>Flood Control District<br>Special Study (#77).   |

| <b>Watercourse</b>                               | <b>Regulatory Discharge<sup>1</sup><br/>(1% Return<br/>Frequency)</b> | <b>Other Discharge Values<br/>(Return Frequencies)<sup>2</sup></b> | <b>Drainage Area<br/>(sq. miles)</b> | <b>Source of Discharge<br/>Information</b>   |
|--|---|--|--------------------------------------|--|
| Wentworth Wash<br>Upstream of Speedway Boulevard | 4,719   | 2,878 (4%), 7,347 (0.2%)   | 5.3                                  | Pima County Regional<br>Flood Control District<br>Special Study (#58)  |
| West Speedway Wash<br>@ Silverbell Road          | 1,458   |  | 1.42                                 | Pima County Regional<br>Flood Control District<br>Special Study (#62). Used<br>in FEMA Map Revision<br>(10-09-2567P) |
| Woodland Wash<br>@ Sabino Creek                  | 5,778   | 3,543 (4%), 9,134 (0.2%)   | 5.95                                 | Pima County Regional<br>Flood Control District<br>Special Study (#53)  |
| Wyoming Wash<br>@ Mission Road                   | 2,235   |  |                                      | From Previous Discharge<br>Table   |

<sup>1</sup> Often referred to as the 100-yr flood

<sup>2</sup> The 10% return is commonly referred to as the 10-yr flood. The 4% return is commonly referred to as the 25-yr flood. The 2% return is commonly referred to as the 50-yr flood. The 0.2% return is commonly referred to as the 500-yr flood.

<sup>3</sup> Flow reduced due to divergences at the split flow and spur flow reaches

<sup>4</sup> Road name is incorrect in FEMA's FIS report.

<sup>5</sup> Due to the natural variability of discharge values to fluctuate over time through a natural flow split, the discharge values were increased by 20% through each split flow path.

<sup>6</sup> Significant split flow reduces discharge in larger events

<sup>7</sup> Discharge values are lower due to regional detention basins

<sup>8</sup> There are 19 detention basins in the upstream watershed in Pinal County.

<sup>9</sup> Discharge values from cross section data at locations shown in Appendix C of Special Study 22, "Tortolita Area Basin Management Plan Phase IIB".

<sup>10</sup> The design storm and flow dynamics change as runoff proceeds downstream of the fan apexes towards the railroad. For more information on discharge values and flow distribution downstream of the apexes, refer to Marana's Tortolita Drainage Study, 2009.