

**Groundwater Management Area (GMA) 11**  
**Modeled Available Groundwater for Relevant Aquifers by County**  
**2021 Joint Planning**

| Aquifer        | County    | Regional Water Planning Area | River Basin | Modeled Available Groundwater (acre-feet per year) |        |        |        |        |        |        |
|----------------|-----------|------------------------------|-------------|--|--------|--------|--------|--------|--------|--------|
|                |           |                              |             | 2020   | 2030   | 2040   | 2050   | 2060   | 2070   | 2080   |
| Carrizo-Wilcox | Anderson  | I                            | Neches      | 21,958   | 21,958 | 21,958 | 21,958 | 21,958 | 21,958 | 21,958 |
| Carrizo-Wilcox | Anderson  | I                            | Trinity     | 5,066  | 5,066  | 5,066  | 5,066  | 5,066  | 5,066  | 5,066  |
| Carrizo-Wilcox | Angelina  | I                            | Neches      | 27,611   | 27,611 | 27,611 | 27,611 | 27,611 | 27,611 | 27,611 |
| Carrizo-Wilcox | Bowie     | D                            | Sulphur     | 9,645  | 9,645  | 9,645  | 9,645  | 9,645  | 9,645  | 9,645  |
| Carrizo-Wilcox | Camp      | D                            | Cypress     | 3,862  | 3,862  | 3,862  | 3,862  | 3,862  | 3,862  | 3,862  |
| Carrizo-Wilcox | Cass      | D                            | Cypress     | 12,865   | 12,865 | 12,865 | 12,865 | 12,865 | 12,865 | 12,865 |
| Carrizo-Wilcox | Cass      | D                            | Sulphur     | 777  | 777    | 777    | 777    | 777    | 777    | 777    |
| Carrizo-Wilcox | Cherokee  | I                            | Neches      | 15,241   | 15,241 | 15,241 | 15,241 | 15,241 | 15,241 | 15,241 |
| Carrizo-Wilcox | Franklin  | D                            | Cypress     | 5,334  | 5,334  | 5,334  | 5,334  | 5,334  | 5,334  | 5,334  |
| Carrizo-Wilcox | Franklin  | D                            | Sulphur     | 398  | 398    | 398    | 398    | 398    | 398    | 398    |
| Carrizo-Wilcox | Gregg     | D                            | Cypress     | 726  | 726    | 726    | 726    | 726    | 726    | 726    |
| Carrizo-Wilcox | Gregg     | D                            | Sabine      | 5,346  | 5,346  | 5,346  | 5,346  | 5,346  | 5,346  | 5,346  |
| Carrizo-Wilcox | Harrison  | D                            | Cypress     | 4,636  | 4,636  | 4,636  | 4,636  | 4,636  | 4,636  | 4,636  |
| Carrizo-Wilcox | Harrison  | D                            | Sabine      | 4,460  | 4,460  | 4,460  | 4,460  | 4,460  | 4,460  | 4,460  |
| Carrizo-Wilcox | Henderson | C                            | Trinity     | 3,226  | 3,226  | 3,226  | 3,226  | 3,226  | 3,226  | 3,226  |
| Carrizo-Wilcox | Henderson | I                            | Neches      | 3,996  | 3,996  | 3,996  | 3,996  | 3,996  | 3,996  | 3,996  |
| Carrizo-Wilcox | Hopkins   | D                            | Cypress     | 309  | 309    | 309    | 309    | 309    | 309    | 309    |
| Carrizo-Wilcox | Hopkins   | D                            | Sabine      | 2,426  | 2,426  | 2,426  | 2,426  | 2,426  | 2,426  | 2,426  |
| Carrizo-Wilcox | Hopkins   | D                            | Sulphur     | 2,017  | 2,017  | 2,017  | 2,017  | 2,017  | 2,017  | 2,017  |
| Carrizo-Wilcox | Houston   | I                            | Neches      | 1,721  | 1,721  | 1,721  | 1,721  | 1,721  | 1,721  | 1,721  |
| Carrizo-Wilcox | Houston   | I                            | Trinity     | 634  | 634    | 634    | 634    | 634    | 634    | 634    |
| Carrizo-Wilcox | Marion    | D                            | Cypress     | 1,966  | 1,966  | 1,966  | 1,966  | 1,966  | 1,966  | 1,966  |

**Groundwater Management Area (GMA) 11**  
**Modeled Available Groundwater for Relevant Aquifers by County**  
**2021 Joint Planning**

| Aquifer        | County        | Regional Water Planning Area | River Basin | Modeled Available Groundwater (acre-feet per year) |        |        |        |        |        |        |
|----------------|---------------|------------------------------|-------------|--|--------|--------|--------|--------|--------|--------|
|                |               |                              |             | 2020   | 2030   | 2040   | 2050   | 2060   | 2070   | 2080   |
| Carrizo-Wilcox | Morris        | D                            | Cypress     | 2,156  | 2,156  | 2,156  | 2,156  | 2,156  | 2,156  | 2,156  |
| Carrizo-Wilcox | Morris        | D                            | Sulphur     | 415  | 415    | 415    | 415    | 415    | 415    | 415    |
| Carrizo-Wilcox | Nacogdoches   | I                            | Neches      | 20,859   | 20,859 | 20,859 | 20,859 | 20,859 | 20,859 | 20,859 |
| Carrizo-Wilcox | Panola        | I                            | Cypress     | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Carrizo-Wilcox | Panola        | I                            | Sabine      | 4,999  | 4,999  | 4,999  | 4,999  | 4,999  | 4,999  | 4,999  |
| Carrizo-Wilcox | Rains         | D                            | Sabine      | 1,411  | 1,411  | 1,411  | 1,411  | 1,411  | 1,411  | 1,411  |
| Carrizo-Wilcox | Rusk          | I                            | Neches      | 7,111  | 7,111  | 7,111  | 7,111  | 7,111  | 7,111  | 7,111  |
| Carrizo-Wilcox | Rusk          | I                            | Sabine      | 6,907  | 6,907  | 6,907  | 6,907  | 6,907  | 6,907  | 6,907  |
| Carrizo-Wilcox | Sabine        | I                            | Neches      | 356  | 356    | 356    | 356    | 356    | 356    | 356    |
| Carrizo-Wilcox | Sabine        | I                            | Sabine      | 1,032  | 1,032  | 1,032  | 1,032  | 1,032  | 1,032  | 1,032  |
| Carrizo-Wilcox | San Augustine | I                            | Neches      | 303  | 303    | 303    | 303    | 303    | 303    | 303    |
| Carrizo-Wilcox | San Augustine | I                            | Sabine      | 284  | 284    | 284    | 284    | 284    | 284    | 284    |
| Carrizo-Wilcox | Shelby        | I                            | Neches      | 2,621  | 2,621  | 2,621  | 2,621  | 2,621  | 2,621  | 2,621  |
| Carrizo-Wilcox | Shelby        | I                            | Sabine      | 3,698  | 3,698  | 3,698  | 3,698  | 3,698  | 3,698  | 3,698  |
| Carrizo-Wilcox | Smith         | D                            | Sabine      | 7,939  | 7,939  | 7,939  | 7,939  | 7,939  | 7,939  | 7,939  |
| Carrizo-Wilcox | Smith         | I                            | Neches      | 17,607   | 17,607 | 17,607 | 17,607 | 17,607 | 17,607 | 17,607 |
| Carrizo-Wilcox | Titus         | D                            | Cypress     | 5,594  | 5,594  | 5,594  | 5,594  | 5,594  | 5,594  | 5,594  |
| Carrizo-Wilcox | Titus         | D                            | Sulphur     | 1,942  | 1,942  | 1,942  | 1,942  | 1,942  | 1,942  | 1,942  |
| Carrizo-Wilcox | Trinity       | H                            | Trinity     | 1  | 1      | 1      | 1      | 1      | 1      | 1      |
| Carrizo-Wilcox | Trinity       | I                            | Neches      | 266  | 266    | 266    | 266    | 266    | 266    | 266    |
| Carrizo-Wilcox | Upshur        | D                            | Cypress     | 5,107  | 5,107  | 5,107  | 5,107  | 5,107  | 5,107  | 5,107  |
| Carrizo-Wilcox | Upshur        | D                            | Sabine      | 1,550  | 1,550  | 1,550  | 1,550  | 1,550  | 1,550  | 1,550  |

**Groundwater Management Area (GMA) 11**  
**Modeled Available Groundwater for Relevant Aquifers by County**  
**2021 Joint Planning**

| Aquifer        | County    | Regional Water Planning Area | River Basin | Modeled Available Groundwater (acre-feet per year) |        |        |        |        |        |        |
|----------------|-----------|------------------------------|-------------|--|--------|--------|--------|--------|--------|--------|
|                |           |                              |             | 2020   | 2030   | 2040   | 2050   | 2060   | 2070   | 2080   |
| Carrizo-Wilcox | Van Zandt | D                            | Neches      | 2,616  | 2,616  | 2,616  | 2,616  | 2,616  | 2,616  | 2,616  |
| Carrizo-Wilcox | Van Zandt | D                            | Sabine      | 3,286  | 3,286  | 3,286  | 3,286  | 3,286  | 3,286  | 3,286  |
| Carrizo-Wilcox | Van Zandt | D                            | Trinity     | 1,030  | 1,030  | 1,030  | 1,030  | 1,030  | 1,030  | 1,030  |
| Carrizo-Wilcox | Wood      | D                            | Cypress     | 925  | 925    | 925    | 925    | 925    | 925    | 925    |
| Carrizo-Wilcox | Wood      | D                            | Sabine      | 16,977   | 16,977 | 16,977 | 16,977 | 16,977 | 16,977 | 16,977 |
| Queen City     | Anderson  | I                            | Neches      | 11,489   | 11,489 | 11,489 | 11,488 | 11,488 | 11,488 | 11,488 |
| Queen City     | Anderson  | I                            | Trinity     | 5,102  | 5,102  | 5,102  | 5,102  | 5,102  | 5,102  | 5,102  |
| Queen City     | Angelina  | I                            | Neches      | 1,095  | 1,095  | 1,095  | 1,095  | 1,095  | 1,095  | 1,095  |
| Queen City     | Camp      | D                            | Cypress     | 1,594  | 1,594  | 1,594  | 1,594  | 1,594  | 1,594  | 1,594  |
| Queen City     | Cass      | D                            | Cypress     | 15,855   | 15,855 | 15,855 | 15,855 | 15,855 | 15,855 | 15,855 |
| Queen City     | Cass      | D                            | Sulphur     | 624  | 624    | 624    | 624    | 624    | 624    | 624    |
| Queen City     | Cherokee  | I                            | Neches      | 8,812  | 8,812  | 8,812  | 8,812  | 8,812  | 8,812  | 8,812  |
| Queen City     | Gregg     | D                            | Cypress     | 456  | 456    | 456    | 456    | 456    | 456    | 456    |
| Queen City     | Gregg     | D                            | Sabine      | 2,056  | 2,056  | 2,056  | 2,056  | 2,056  | 2,056  | 2,056  |
| Queen City     | Harrison  | D                            | Cypress     | 2,976  | 2,976  | 2,976  | 2,976  | 2,976  | 2,976  | 2,976  |
| Queen City     | Harrison  | D                            | Sabine      | 561  | 561    | 561    | 561    | 561    | 561    | 561    |
| Queen City     | Henderson | C                            | Trinity     | 154  | 154    | 154    | 154    | 154    | 154    | 154    |
| Queen City     | Henderson | I                            | Neches      | 10,516   | 10,516 | 10,516 | 10,516 | 10,516 | 10,516 | 10,516 |
| Queen City     | Houston   | I                            | Neches      | 2,080  | 2,080  | 2,080  | 2,080  | 2,080  | 2,080  | 2,080  |
| Queen City     | Houston   | I                            | Trinity     | 216  | 216    | 216    | 216    | 216    | 216    | 216    |
| Queen City     | Marion    | D                            | Cypress     | 7,389  | 7,389  | 7,389  | 7,389  | 7,389  | 7,389  | 7,389  |
| Queen City     | Morris    | D                            | Cypress     | 3,278  | 3,278  | 3,278  | 3,278  | 3,278  | 3,278  | 3,278  |

**Groundwater Management Area (GMA) 11**  
**Modeled Available Groundwater for Relevant Aquifers by County**  
**2021 Joint Planning**

| Aquifer    | County        | Regional Water Planning Area | River Basin | Modeled Available Groundwater (acre-feet per year) |        |        |        |        |        |        |
|------------|---------------|------------------------------|-------------|--|--------|--------|--------|--------|--------|--------|
|            |               |                              |             | 2020   | 2030   | 2040   | 2050   | 2060   | 2070   | 2080   |
| Queen City | Nacogdoches   | I                            | Neches      | 2,946  | 2,946  | 2,946  | 2,946  | 2,946  | 2,946  | 2,946  |
| Queen City | Rusk          | I                            | Neches      | 39   | 39     | 39     | 39     | 39     | 39     | 39     |
| Queen City | Rusk          | I                            | Sabine      | 20   | 20     | 20     | 20     | 20     | 20     | 20     |
| Queen City | Sabine        | I                            | Neches      | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | Sabine        | I                            | Sabine      | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | San Augustine | I                            | Neches      | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | Shelby        | I                            | Sabine      | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | Smith         | D                            | Sabine      | 12,457   | 12,457 | 12,457 | 12,457 | 12,457 | 12,457 | 12,457 |
| Queen City | Smith         | I                            | Neches      | 20,121   | 20,121 | 20,121 | 20,121 | 20,121 | 20,121 | 20,121 |
| Queen City | Titus         | D                            | Cypress     | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | Trinity       | H                            | Trinity     | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | Trinity       | I                            | Neches      | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Queen City | Upshur        | D                            | Cypress     | 6,216  | 6,215  | 6,215  | 6,215  | 6,215  | 6,215  | 6,215  |
| Queen City | Upshur        | D                            | Sabine      | 5,949  | 5,949  | 5,949  | 5,949  | 5,949  | 5,949  | 5,949  |
| Queen City | Van Zandt     | D                            | Neches      | 2,343  | 2,343  | 2,343  | 2,343  | 2,343  | 2,343  | 2,343  |
| Queen City | Wood          | D                            | Cypress     | 779  | 779    | 779    | 779    | 779    | 779    | 779    |
| Queen City | Wood          | D                            | Sabine      | 5,731  | 5,731  | 5,731  | 5,731  | 5,731  | 5,731  | 5,731  |
| Sparta     | Anderson      | I                            | Neches      | 109  | 109    | 109    | 109    | 109    | 109    | 109    |
| Sparta     | Anderson      | I                            | Trinity     | 198  | 198    | 198    | 198    | 198    | 198    | 198    |
| Sparta     | Angelina      | I                            | Neches      | 390  | 390    | 390    | 390    | 390    | 390    | 390    |
| Sparta     | Cass          | D                            | Cypress     | 0  | 0      | 0      | 0      | 0      | 0      | 0      |
| Sparta     | Cherokee      | I                            | Neches      | 352  | 352    | 352    | 352    | 352    | 352    | 352    |

**Groundwater Management Area (GMA) 11**  
**Modeled Available Groundwater for Relevant Aquifers by County**  
**2021 Joint Planning**

| Aquifer                              | County        | Regional Water Planning Area | River Basin | Modeled Available Groundwater (acre-feet per year) |                |                |                |                |                |                |
|--------------------------------------|---------------|------------------------------|-------------|--|----------------|----------------|----------------|----------------|----------------|----------------|
|                                      |               |                              |             | 2020   | 2030           | 2040           | 2050           | 2060           | 2070           | 2080           |
| Sparta                               | Houston       | I                            | Neches      | 505  | 505            | 505            | 505            | 505            | 505            | 505            |
| Sparta                               | Houston       | I                            | Trinity     | 977  | 977            | 977            | 977            | 977            | 977            | 977            |
| Sparta                               | Marion        | D                            | Cypress     | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Nacogdoches   | I                            | Neches      | 362  | 362            | 362            | 362            | 362            | 362            | 362            |
| Sparta                               | Rusk          | I                            | Neches      | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Sabine        | I                            | Neches      | 36   | 36             | 36             | 36             | 36             | 36             | 36             |
| Sparta                               | Sabine        | I                            | Sabine      | 13   | 13             | 13             | 13             | 13             | 13             | 13             |
| Sparta                               | San Augustine | I                            | Neches      | 163  | 163            | 163            | 163            | 163            | 163            | 163            |
| Sparta                               | San Augustine | I                            | Sabine      | 3  | 3              | 3              | 3              | 3              | 3              | 3              |
| Sparta                               | Shelby        | I                            | Sabine      | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Smith         | D                            | Sabine      | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Smith         | I                            | Neches      | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Trinity       | H                            | Trinity     | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Trinity       | I                            | Neches      | 152  | 152            | 152            | 152            | 152            | 152            | 152            |
| Sparta                               | Upshur        | D                            | Sabine      | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| Sparta                               | Wood          | D                            | Sabine      | 0  | 0              | 0              | 0              | 0              | 0              | 0              |
| <b>GMA 11 Totals</b>                 |               |                              |             |  |                |                |                |                |                |                |
| <b>Carrizo-Wilcox Aquifer</b>        |               |                              |             | <b>251,217</b>                                     | <b>251,217</b> | <b>251,216</b> | <b>251,216</b> | <b>251,216</b> | <b>251,216</b> | <b>251,215</b> |
| <b>Queen City Aquifer</b>            |               |                              |             | <b>130,854</b>                                     | <b>130,854</b> | <b>130,853</b> | <b>130,853</b> | <b>130,853</b> | <b>130,852</b> | <b>130,852</b> |
| <b>Sparta Aquifer</b>                |               |                              |             | <b>3,259</b>                                       | <b>3,259</b>   | <b>3,259</b>   | <b>3,259</b>   | <b>3,259</b>   | <b>3,259</b>   | <b>3,259</b>   |
| <b>GMA 11 Total for All Aquifers</b> |               |                              |             | <b>385,329</b>                                     | <b>385,329</b> | <b>385,329</b> | <b>385,328</b> | <b>385,328</b> | <b>385,327</b> | <b>385,325</b> |