

Below is an Electronic Version of an Out-of-Print Publication

You can scroll to view or print this publication here, or you can borrow a paper copy from the Texas State Library, 512/463-5455. You can also view a copy at the TCEQ Library, 512/239-0020, or borrow one through your branch library using interlibrary loan.

The TCEQ's current print publications are listed in our catalog at www.tnrcc.state.tx.us/admin/topdoc/index.html.

Table of Contents

Volume 3

| | |
|--|------------|
| Foreword | iii |
| Explanation of Basin/Water Body Fact Sheet | |
| Information | 1 |
| Basin Narrative Summary | 1 |
| Basin Map | 1 |
| Basin Graphical Summary | 1 |
| Water Body Fact Sheets | 2 |
| Basin Name and Segment Number | 2 |
| Water Body Description | 2 |
| Water Body Classification and Water Body Type | 3 |
| Length/Surface Area | 3 |
| Use Support Summary | 3 |
| Water Quality Concerns Summary | 3 |
| Additional Information Summary | 3 |
| Monitoring Sites Used in the Assessment | 4 |
| Published Studies | 4 |
| Permitted Wastewater Treatment Facilities | 4 |
| Summary of Historical Fish Kills | 4 |
| Explanation of Water Quality Indicator Icons | |
| Used on the Basin Maps | 5 |
| Conceptual Icon | 5 |
| Icons for Designated Uses | 5 |
| Basin 12: Brazos River Basin | 11 |
| Brazos River Basin Narrative Summary | 12 |
| Map: Lower Brazos River Basin Identified Water Quality Issues | 13 |
| Map: Middle Brazos River Basin Identified Water Quality Issues | 15 |
| Map: Upper Brazos River Basin Identified Water Quality Issues | 17 |
| Brazos River Basin Graphical Summary | 19 |
| Segment 1201: Brazos River Tidal | 35 |
| Segment 1202: Brazos River Below Navasota River | 37 |
| Segment 1203: Whitney Lake | 38 |
| Segment 1204: Brazos River Below Lake Granbury | 40 |
| Segment 1205: Lake Granbury | 42 |
| Segment 1206: Brazos River Below Possum Kingdom Lake | 44 |
| Segment 1207: Possum Kingdom Lake | 45 |
| Segment 1208: Brazos River Above Possum Kingdom Lake | 47 |

| | |
|---|-----|
| Segment 1209: Navasota River Below Lake Limestone | 49 |
| Segment 1209A: Bryan Municipal Lake | 51 |
| Segment 1209B: Fin Feather Lake | 52 |
| Segment 1209C: Carters Creek | 53 |
| Segment 1209D: Unnamed Tributary to Bryan Municipal Lake | 54 |
| Segment 1210: Lake Mexia | 55 |
| Segment 1211: Yegua Creek | 56 |
| Segment 1212: Sommerville Lake | 57 |
| Segment 1212A: Middle Yegua Creek | 59 |
| Segment 1213: Little River | 60 |
| Segment 1214: San Gabriel River | 62 |
| Segment 1215: Lampasas River Below Stillhouse Hollow Lake | 63 |
| Segment 1216: Stillhouse Hollow Lake | 64 |
| Segment 1217: Lampasas River Above Stillhouse Hollow Lake | 65 |
| Segment 1217A: Rocky Creek | 66 |
| Segment 1217B: Sulphur Creek | 68 |
| Segment 1218: Nolan Creek/South Nolan Creek | 69 |
| Segment 1219: Leon River Below Belton Lake | 71 |
| Segment 1220: Belton Lake | 72 |
| Segment 1220A: Cowhouse Creek | 74 |
| Segment 1221: Leon River Below Proctor Lake | 75 |
| Segment 1221B: South Leon River | 77 |
| Segment 1222: Proctor Lake | 78 |
| Segment 1222A: Duncan Creek | 80 |
| Segment 1222B: Rush-Copperas Creek | 82 |
| Segment 1222C: Sabana River | 83 |
| Segment 1223: Leon River Below Leon Reservoir | 84 |
| Segment 1224: Leon Reservoir | 85 |
| Segment 1224A: Lake Olden | 86 |
| Segment 1225: Waco Lake | 87 |
| Segment 1226: North Bosque River | 89 |
| Segment 1226A: Duffau Creek | 91 |
| Segment 1226B: Green Creek | 92 |
| Segment 1226C: Meridian Creek | 93 |
| Segment 1226D: Neils Creek | 94 |
| Segment 1227: Nolan River | 95 |
| Segment 1228: Lake Pat Cleburne | 97 |
| Segment 1229: Paluxy River/North Paluxy River | 98 |
| Segment 1230: Lake Palo Pinto | 100 |
| Segment 1231: Lake Graham | 101 |
| Segment 1232: Clear Fork Brazos River | 102 |
| Segment 1232A: California Creek | 104 |
| Segment 1232B: Deadman Creek | 105 |
| Segment 1233: Hubbard Creek Reservoir | 106 |
| Segment 1234: Lake Cisco | 108 |
| Segment 1235: Lake Stamford | 109 |

| | |
|--|-----|
| Segment 1236: Fort Phantom Hill Reservoir | 110 |
| Segment 1237: Lake Sweetwater | 111 |
| Segment 1238: Salt Fork Brazos River | 112 |
| Segment 1239: White River | 113 |
| Segment 1240: White River Lake | 114 |
| Segment 1241: Double Mountain Fork Brazos River | 115 |
| Segment 1242: Brazos River Below Whitney Lake | 116 |
| Segment 1242A: Marlin City Lake System | 118 |
| Segment 1243: Salado Creek | 119 |
| Segment 1244: Brushy Creek | 121 |
| Segment 1244A: North Fork Brushy Creek | 123 |
| Segment 1245: Upper Oyster Creek | 124 |
| Segment 1246: Middle Bosque/South Bosque River | 126 |
| Segment 1247: Granger Lake | 128 |
| Segment 1248: San Gabriel/North Fork San Gabriel River | 129 |
| Segment 1249: Lake Georgetown | 131 |
| Segment 1250: South Fork San Gabriel River | 132 |
| Segment 1251: North Fork San Gabriel River | 133 |
| Segment 1252: Lake Limestone | 134 |
| Segment 1253: Navasota River Below Lake Mexia | 135 |
| Segment 1254: Aquilla Reservoir | 136 |
| Segment 1255: Upper North Bosque River | 138 |

Basin 13: Brazos-Colorado Coastal Basin **141**

| | |
|--|-----|
| Brazos-Colorado Coastal Basin Narrative Summary | 142 |
| Map: Brazos-Colorado Coastal Basin Identified Water Quality Issues | 143 |
| Brazos-Colorado Coastal Basin Graphical Summary | 145 |
| Segment 1301: San Bernard River Tidal | 147 |
| Segment 1302: San Bernard River Above Tidal | 148 |
| Segment 1304: Caney Creek Tidal | 150 |
| Segment 1304A: Linville Bayou | 152 |
| Segment 1305: Caney Creek Above Tidal | 153 |

Basin 14: Colorado River Basin **155**

| | |
|--|-----|
| Colorado River Basin Narrative Summary | 156 |
| Map: Lower Colorado River Basin Identified Water Quality Issues | 157 |
| Map: Middle Colorado River Basin Identified Water Quality Issues | 159 |
| Map: Upper Colorado River Basin Identified Water Quality Issues | 161 |
| Colorado River Basin Graphical Summary | 163 |
| Segment 1401: Colorado River Tidal | 175 |
| Segment 1402: Colorado River Below La Grange | 176 |
| Segment 1402A: Cummins Creek | 178 |
| Segment 1403: Lake Austin | 179 |
| Segment 1403A: Bull Creek | 181 |
| Segment 1404: Lake Travis | 182 |
| Segment 1405: Marble Falls Lake | 184 |

| | |
|--|-----|
| Segment 1406: Lake Lyndon B. Johnson | 185 |
| Segment 1406A: Sandy Creek | 187 |
| Segment 1407: Inks Lake | 188 |
| Segment 1408: Lake Buchanan | 189 |
| Segment 1409: Colorado River Above Lake Buchanan | 191 |
| Segment 1410: Colorado River Below O.H. Ivie Reservoir | 192 |
| Segment 1411: E.V. Spence Reservoir | 193 |
| Segment 1412: Colorado River Below Lake J.B. Thomas | 194 |
| Segment 1412A: Lake Colorado City | 196 |
| Segment 1412B: Beals Creek | 197 |
| Segment 1413: Lake J.B. Thomas | 198 |
| Segment 1414: Pedernales River | 199 |
| Segment 1415: Llano River | 201 |
| Segment 1415A: Johnson Fork Creek | 202 |
| Segment 1416: San Saba River | 203 |
| Segment 1416A: Brady Creek | 204 |
| Segment 1417: Lower Pecan Bayou | 205 |
| Segment 1418: Lake Brownwood | 207 |
| Segment 1418A: Hords Creek | 208 |
| Segment 1419: Lake Coleman | 209 |
| Segment 1420: Pecan Bayou Above Lake Brownwood | 210 |
| Segment 1421: Concho River | 211 |
| Segment 1422: Lake Nasworthy | 213 |
| Segment 1423: Twin Buttes Reservoir | 215 |
| Segment 1423A: Spring Creek | 216 |
| Segment 1424: Middle Concho/South Concho River | 217 |
| Segment 1424A: West Rocky Creek | 218 |
| Segment 1425: O.C. Fisher Reservoir | 219 |
| Segment 1426: Colorado River Below E.V. Spence Reservoir | 220 |
| Segment 1426A: Oak Creek Reservoir | 222 |
| Segment 1427: Onion Creek | 223 |
| Segment 1427A: Slaughter Creek | 225 |
| Segment 1427B: Williamson Creek | 226 |
| Segment 1427C: Bear Creek | 227 |
| Segment 1428: Colorado River Below Town Lake | 228 |
| Segment 1428A: Boggy Creek | 230 |
| Segment 1428B: Walnut Creek | 231 |
| Segment 1428C: Gilleland Creek | 232 |
| Segment 1429: Town Lake | 233 |
| Segment 1429A: Shoal Creek | 235 |
| Segment 1429B: Eanes Creek | 236 |
| Segment 1430: Barton Creek | 237 |
| Segment 1431: Mid Pecan Bayou | 239 |
| Segment 1432: Upper Pecan Bayou | 240 |
| Segment 1433: O.H. Ivie Reservoir | 242 |
| Segment 1434: Colorado River Above La Grange | 243 |

| | |
|---|------------|
| Basin 15: Colorado-Lavaca Coastal Basin | 245 |
| Colorado-Lavaca Coastal Basin Narrative Summary | 246 |
| Map: Colorado-Lavaca Coastal Basin Identified Water Quality Issues | 247 |
| Colorado-Lavaca Coastal Basin Graphical Summary | 249 |
| Segment 1501: Tres Palacios Creek Tidal | 251 |
| Segment 1502: Tres Palacios Creek Above Tidal | 252 |
| | |
| Basin 16: Lavaca River Basin | 253 |
| Lavaca River Basin Narrative Summary | 254 |
| Map: Lavaca River Basin Identified Water Quality Issues | 255 |
| Lavaca River Basin Graphical Summary | 257 |
| Segment 1601: Lavaca River Tidal | 259 |
| Segment 1601A: Catfish Bayou | 261 |
| Segment 1601B: Redfish Bayou | 262 |
| Segment 1602: Lavaca River Above Tidal | 263 |
| Segment 1603: Navidad River Below Lake Texana | 265 |
| Segment 1604: Lake Texana | 266 |
| Segment 1604A: East Mustang Creek | 268 |
| Segment 1604B: West Mustang Creek | 269 |
| Segment 1604C: Sandy Creek | 270 |
| Segment 1605: Navidad River Above Lake Texana | 271 |
| | |
| Basin 17: Lavaca-Guadalupe Coastal Basin | 273 |
| Lavaca-Guadalupe Coastal Basin Narrative Summary | 274 |
| Map: Lavaca-Guadalupe Coastal Basin Identified Water Quality Issues | 275 |
| Lavaca-Guadalupe Coastal Basin Graphical Summary | 277 |
| Segment 1701: Victoria Barge Canal Tidal | 279 |
| | |
| Basin 18: Guadalupe River Basin | 281 |
| Guadalupe River Basin Narrative Summary | 282 |
| Map: Guadalupe River Basin Identified Water Quality Issues | 283 |
| Guadalupe River Basin Graphical Summary | 285 |
| Segment 1801: Guadalupe River Tidal | 291 |
| Segment 1803: Guadalupe River Below San Marcos River | 292 |
| Segment 1803A: Elm Creek | 294 |
| Segment 1803B: Sandies Creek | 295 |
| Segment 1804: Guadalupe River Below Comal River | 296 |
| Segment 1804A: Geronimo Creek | 298 |
| Segment 1804B: Peach Creek | 299 |
| Segment 1805: Canyon Lake | 300 |
| Segment 1806: Guadalupe River Above Canyon Lake | 302 |
| Segment 1806A: Camp Meeting Creek | 304 |
| Segment 1806B: Cypress Creek | 305 |
| Segment 1806C: Goat Creek | 306 |
| Segment 1806D: Quinlan Creek | 307 |
| Segment 1806E: Town Creek | 308 |

| | |
|---|------------|
| Segment 1806F: Turtle Creek | 309 |
| Segment 1806G: Verde Creek | 310 |
| Segment 1807: Coleta Creek | 311 |
| Segment 1808: Lower San Marcos River | 312 |
| Segment 1809: Lower Blanco River | 313 |
| Segment 1810: Plum Creek | 314 |
| Segment 1811: Comal River | 316 |
| Segment 1811A: Dry Comal Creek | 317 |
| Segment 1812: Guadalupe River Below Canyon Dam | 318 |
| Segment 1813: Upper Blanco River | 319 |
| Segment 1814: Upper San Marcos River | 320 |
| Segment 1815: Cypress Creek | 322 |
| Segment 1816: Johnson Creek | 323 |
| Segment 1817: North Fork Guadalupe River | 324 |
| Segment 1818: South Fork Guadalupe River | 325 |
| | |
| Basin 19: San Antonio River Basin | 327 |
| San Antonio River Basin Narrative Summary | 328 |
| Map: San Antonio River Basin Identified Water Quality Issues | 329 |
| San Antonio River Basin Graphical Summary | 331 |
| Segment 1901: Lower San Antonio River | 335 |
| Segment 1902: Lower Cibolo Creek | 337 |
| Segment 1903: Medina River Below Medina Diversion Lake | 339 |
| Segment 1904: Medina Lake | 341 |
| Segment 1905: Medina River Above Medina Lake | 342 |
| Segment 1906: Lower Leon Creek | 343 |
| Segment 1907: Upper Leon Creek | 345 |
| Segment 1908: Upper Cibolo Creek | 346 |
| Segment 1909: Medina Diversion Lake | 348 |
| Segment 1910: Salado Creek | 349 |
| Segment 1911: Upper San Antonio River | 352 |
| Segment 1912: Medio Creek | 355 |
| Segment 1913: Mid Cibolo Creek | 356 |
| | |
| Basin 20: San Antonio-Nueces Coastal Basin | 359 |
| San Antonio-Nueces Coastal Basin Narrative Summary | 360 |
| Map: San Antonio-Nueces Coastal Basin Identified Water Quality Issues | 361 |
| San Antonio-Nueces Coastal Basin Graphical Summary | 363 |
| Segment 2001: Mission River Tidal | 365 |
| Segment 2002: Mission River Above Tidal | 366 |
| Segment 2003: Aransas River Tidal | 367 |
| Segment 2004: Aransas River Above Tidal | 368 |
| | |
| Basin 21: Nueces River Basin | 371 |
| Nueces River Basin Narrative Summary | 372 |
| Map: Nueces River Basin Identified Water Quality Issues | 373 |

| | |
|--|------------|
| Nueces River Basin Graphical Summary | 375 |
| Segment 2101: Nueces River Tidal | 379 |
| Segment 2102: Nueces River Below Lake Corpus Christi | 380 |
| Segment 2103: Lake Corpus Christi | 381 |
| Segment 2104: Nueces River Above Frio River | 383 |
| Segment 2105: Nueces River Above Holland Dam | 385 |
| Segment 2106: Nueces/Lower Frio River | 386 |
| Segment 2107: Atascosa River | 387 |
| Segment 2108: San Miguel Creek | 389 |
| Segment 2109: Leona River | 390 |
| Segment 2110: Lower Sabinal River | 391 |
| Segment 2111: Upper Sabinal River | 392 |
| Segment 2112: Upper Nueces River | 393 |
| Segment 2113: Upper Frio River | 394 |
| Segment 2114: Hondo Creek | 396 |
| Segment 2115: Seco Creek | 397 |
| Segment 2116: Choke Canyon Reservoir | 398 |
| Segment 2117: Frio River Above Choke Canyon Reservoir | 400 |
| | |
| Basin 22: Nueces-Rio Grande Coastal Basin | 403 |
| Nueces-Rio Grande Coastal Basin Narrative Summary | 404 |
| Map: Nueces-Rio Grande Coastal Basin Identified Water Quality Issues | 405 |
| Nueces-Rio Grande Coastal Basin Graphical Summary | 407 |
| Segment 2201: Arroyo Colorado Tidal | 409 |
| Segment 2202: Arroyo Colorado Above Tidal | 414 |
| Segment 2202A: Donna Reservoir System | 416 |
| Segment 2203: Petronila Creek Tidal | 417 |
| Segment 2204: Petronila Creek Above Tidal | 418 |
| | |
| Basin 23: Rio Grande Basin | 421 |
| Rio Grande Basin Narrative Summary | 422 |
| Map: Rio Grande Basin Identified Water Quality Issues | 425 |
| Rio Grande Basin Graphical Summary | 427 |
| Segment 2301: Rio Grande Tidal | 431 |
| Segment 2302: Rio Grande Below Falcon Reservoir | 432 |
| Segment 2303: International Falcon Reservoir | 434 |
| Segment 2304: Rio Grande Below Amistad Reservoir | 436 |
| Segment 2305: International Amistad Reservoir | 438 |
| Segment 2306: Rio Grande Above Amistad Reservoir | 439 |
| Segment 2307: Rio Grande Below Riverside Diversion Dam | 441 |
| Segment 2308: Rio Grande Below International Dam | 443 |
| Segment 2309: Devils River | 444 |
| Segment 2310: Lower Pecos River | 445 |
| Segment 2310A: Independence Creek | 447 |
| Segment 2311: Upper Pecos River | 448 |
| Segment 2312: Red Bluff Reservoir | 450 |

| | |
|--|------------|
| Segment 2313: San Felipe Creek | 451 |
| Segment 2314: Rio Grande Above International Dam | 452 |
| Basin 24: Bays and Estuaries | 453 |
| Bays and Estuaries Narrative Summary | 454 |
| Map: Lower Bays and Estuaries Identified Water Quality Issues | 457 |
| Map: Middle Bays and Estuaries Identified Water Quality Issues | 459 |
| Map: Upper Bays and Estuaries Identified Water Quality Issues | 461 |
| Bays and Estuaries Graphical Summary | 463 |
| Segment 2411: Sabine Pass | 473 |
| Segment 2412: Sabine Lake | 474 |
| Segment 2421: Upper Galveston Bay | 475 |
| Segment 2422: Trinity Bay | 478 |
| Segment 2423: East Bay | 480 |
| Segment 2424: West Bay | 482 |
| Segment 2425: Clear Lake | 486 |
| Segment 2426: Tabbs Bay | 487 |
| Segment 2427: San Jacinto Bay | 489 |
| Segment 2428: Black Duck Bay | 490 |
| Segment 2429: Scott Bay | 491 |
| Segment 2430: Burnett Bay | 493 |
| Segment 2431: Moses Lake | 495 |
| Segment 2432: Chocolate Bay | 496 |
| Segment 2433: Bastrop Bay/Oyster Lake | 498 |
| Segment 2434: Christmas Bay | 499 |
| Segment 2435: Drum Bay | 500 |
| Segment 2436: Barbours Cut | 501 |
| Segment 2437: Texas City Ship Channel | 502 |
| Segment 2438: Bayport Channel | 504 |
| Segment 2439: Lower Galveston Bay | 505 |
| Segment 2441: East Matagorda Bay | 508 |
| Segment 2442: Cedar Lakes | 510 |
| Segment 2451: Matagorda Bay/Powderhorn Lake | 511 |
| Segment 2452: Tres Palacios Bay/Turtle Bay | 514 |
| Segment 2453: Lavaca Bay/Chocolate Bay | 516 |
| Segment 2453A: Garcitas Creek Tidal | 520 |
| Segment 2453B: Lynns Bayou Basin | 521 |
| Segment 2454: Cox Bay | 522 |
| Segment 2454A: Cox Lake | 524 |
| Segment 2455: Keller Bay | 525 |
| Segment 2456: Carancahua Bay | 526 |
| Segment 2456A: West Carancahau Creek Tidal | 528 |
| Segment 2461: Espiritu Santo Bay | 529 |
| Segment 2462: San Antonio Bay/Hynes Bay/Guadalupe Bay | 530 |
| Segment 2463: Mesquite Bay/Carlos Bay/Ayres Bay | 532 |
| Segment 2471: Aransas Bay | 533 |

| | |
|---|------------|
| Segment 2472: Copano Bay/Port Bay/Mission Bay | 535 |
| Segment 2473: St. Charles Bay | 537 |
| Segment 2481: Corpus Christi Bay | 539 |
| Segment 2482: Nueces Bay | 542 |
| Segment 2483: Redfish Bay | 544 |
| Segment 2483A: Conn Brown Harbor | 545 |
| Segment 2484: Corpus Christi Inner Harbor | 546 |
| Segment 2485: Oso Bay | 548 |
| Segment 2491: Laguna Madre | 550 |
| Segment 2492: Baffin Bay/Alazan Bay/Cayo del Grullo/Laguna Salada | 553 |
| Segment 2493: South Bay | 555 |
| Segment 2494: Brownsville Ship Channel | 556 |
| Segment 2494A: Port Isabel Fishing Harbor | 557 |
| Basin 25: Gulf of Mexico | 559 |
| Gulf of Mexico Narrative Summary | 560 |
| Map: Gulf of Mexico Identified Water Quality Issues | 561 |
| Gulf of Mexico Graphical Summary | 563 |
| Segment 2501: Gulf of Mexico | 565 |

