

# Watershed Report

## St. Francis Bay

### 0802020305

The Center for Advanced Spatial Technologies at the University of Arkansas has developed the Arkansas Automated Reporting and Mapping System with funding from the Arkansas 85th General Assembly through the Arkansas Natural Resource Commission. The 308 ten-digit watershed units and the 1556 twelve-digit watershed units were delineated by the Natural Resources Conservation Service, a division of the US Department of Agriculture. For all watersheds that cross the Arkansas border, only the Arkansas portion of the watershed was used for mapping and statistical reporting.

## Watershed Summary (10 Digit HUC)

### *St. Francis Bay (0802020305)*

#### **Area Summary**

Area - Square Miles.....	538.16
Area - Acres.....	348450.79

#### **Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	158.00	518.00
Elevation Minimum.....	52.00	171.00
Elevation Average.....	76.00	249.00

#### **Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....	1310.21
Total Miles of Interstate Highways.....	.00
Total Miles of US Highways.....	119.50
Total Miles of State Highways.....	203.72
Total Miles of City Streets Unpaved.....	131.55
Total Miles of City Streets Paved.....	258.69
Total Miles of All City Streets.....	390.24
Total Miles of Miscellaneous Roads.....	10.75
Total Miles of All County Roads Types.....	976.24
Total Miles of County Roads Paved.....	74.05
Total Miles of County Roads Gravel.....	715.59
Total Miles of County Roads Graded.....	57.68
Total Miles of County Roads Unimproved.....	128.92

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# Sub-Watershed Summary (12 Digit HUC)

## ***Gum Slough (080202030505)***

### ***Area Summary***

Area - Square Miles.....:	47.72
Area - Acres.....:	30901.09

### ***Elevation Summary***

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	131.00	430.00
Elevation Minimum.....:	65.00	213.00
Elevation Average.....:	72.00	236.00

### ***Transportation Summary***

	<u>Miles</u>
Total Miles of All Road Types.....:	118.95
Total Miles of Interstate Highways.....:	.00
Total Miles of US Highways.....:	19.97
Total Miles of State Highways.....:	10.50
Total Miles of City Streets Unpaved.....:	18.02
Total Miles of City Streets Paved.....:	24.81
Total Miles of All City Streets.....:	42.83
Total Miles of Miscellaneous Roads.....:	.69
Total Miles of All County Roads Types.....:	87.79
Total Miles of County Roads Paved.....:	8.13
Total Miles of County Roads Gravel.....:	75.34
Total Miles of County Roads Graded.....:	.36
Total Miles of County Roads Unimproved.....:	3.96

**Ditch No. 123**  
**(080202030504)**

**Area Summary**

Area - Square Miles.....:	<b>34.41</b>
Area - Acres.....:	<b>22278.82</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>70.00</b>	<b>230.00</b>
Elevation Minimum.....:	<b>59.00</b>	<b>194.00</b>
Elevation Average.....:	<b>65.00</b>	<b>213.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>123.03</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>26.13</b>
Total Miles of State Highways.....:	<b>14.92</b>
Total Miles of City Streets Unpaved.....:	<b>.24</b>
Total Miles of City Streets Paved.....:	<b>1.13</b>
Total Miles of All City Streets.....:	<b>1.37</b>
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>81.98</b>
Total Miles of County Roads Paved.....:	<b>5.73</b>
Total Miles of County Roads Gravel.....:	<b>43.28</b>
Total Miles of County Roads Graded.....:	<b>9.38</b>
Total Miles of County Roads Unimproved.....:	<b>23.59</b>

**Upper Ditch No. 10  
(080202030506)**

**Area Summary**

Area - Square Miles.....:	33.05
Area - Acres.....:	21400.35

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	73.00	239.00
Elevation Minimum.....:	63.00	207.00
Elevation Average.....:	68.00	223.00

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	83.03
Total Miles of Interstate Highways.....:	.00
Total Miles of US Highways.....:	5.70
Total Miles of State Highways.....:	11.06
Total Miles of City Streets Unpaved.....:	1.26
Total Miles of City Streets Paved.....:	7.00
Total Miles of All City Streets.....:	8.26
Total Miles of Miscellaneous Roads.....:	.00
Total Miles of All County Roads Types.....:	66.27
Total Miles of County Roads Paved.....:	2.35
Total Miles of County Roads Gravel.....:	58.18
Total Miles of County Roads Graded.....:	.36
Total Miles of County Roads Unimproved.....:	5.38

**Little Bay Outlet  
(080202030508)**

**Area Summary**

Area - Square Miles.....:	<b>30.46</b>
Area - Acres.....:	<b>19722.56</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>119.00</b>	<b>390.00</b>
Elevation Minimum.....:	<b>62.00</b>	<b>203.00</b>
Elevation Average.....:	<b>75.00</b>	<b>246.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>61.39</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>24.21</b>
Total Miles of State Highways.....:	<b>11.61</b>
Total Miles of City Streets Unpaved.....:	<b>20.02</b>
Total Miles of City Streets Paved.....:	<b>104.06</b>
Total Miles of All City Streets.....:	<b>124.08</b>
Total Miles of Miscellaneous Roads.....:	<b>.66</b>
Total Miles of All County Roads Types.....:	<b>24.91</b>
Total Miles of County Roads Paved.....:	<b>.00</b>
Total Miles of County Roads Gravel.....:	<b>24.39</b>
Total Miles of County Roads Graded.....:	<b>.00</b>
Total Miles of County Roads Unimproved.....:	<b>.52</b>

**Middle Ditch No. 10  
(080202030509)**

**Area Summary**

Area - Square Miles.....:	<b>46.19</b>
Area - Acres.....:	<b>29904.89</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>72.00</b>	<b>236.00</b>
Elevation Minimum.....:	<b>60.00</b>	<b>197.00</b>
Elevation Average.....:	<b>66.00</b>	<b>216.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>127.67</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>13.82</b>
Total Miles of State Highways.....:	<b>17.61</b>
Total Miles of City Streets Unpaved.....:	<b>4.27</b>
Total Miles of City Streets Paved.....:	<b>20.00</b>
Total Miles of All City Streets.....:	<b>24.27</b>
Total Miles of Miscellaneous Roads.....:	<b>.28</b>
Total Miles of All County Roads Types.....:	<b>95.96</b>
Total Miles of County Roads Paved.....:	<b>5.43</b>
Total Miles of County Roads Gravel.....:	<b>61.67</b>
Total Miles of County Roads Graded.....:	<b>4.74</b>
Total Miles of County Roads Unimproved.....:	<b>24.12</b>

**Lower Ditch No. 10  
(080202030510)**

**Area Summary**

Area - Square Miles.....:	<b>42.96</b>
Area - Acres.....:	<b>27818.03</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>69.00</b>	<b>226.00</b>
Elevation Minimum.....:	<b>58.00</b>	<b>190.00</b>
Elevation Average.....:	<b>64.00</b>	<b>210.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>113.23</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>.00</b>
Total Miles of State Highways.....:	<b>16.19</b>
Total Miles of City Streets Unpaved.....:	
Total Miles of City Streets Paved.....:	
Total Miles of All City Streets.....:	
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>97.04</b>
Total Miles of County Roads Paved.....:	<b>5.47</b>
Total Miles of County Roads Gravel.....:	<b>53.20</b>
Total Miles of County Roads Graded.....:	<b>11.76</b>
Total Miles of County Roads Unimproved.....:	<b>26.61</b>

**Purcell Slough  
(080202030503)**

**Area Summary**

Area - Square Miles.....:	<b>45.78</b>
Area - Acres.....:	<b>29642.49</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>77.00</b>	<b>253.00</b>
Elevation Minimum.....:	<b>64.00</b>	<b>210.00</b>
Elevation Average.....:	<b>68.00</b>	<b>223.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>97.59</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>.00</b>
Total Miles of State Highways.....:	<b>20.65</b>
Total Miles of City Streets Unpaved.....:	<b>5.76</b>
Total Miles of City Streets Paved.....:	<b>17.38</b>
Total Miles of All City Streets.....:	<b>23.14</b>
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>76.94</b>
Total Miles of County Roads Paved.....:	<b>15.03</b>
Total Miles of County Roads Gravel.....:	<b>60.49</b>
Total Miles of County Roads Graded.....:	<b>.72</b>
Total Miles of County Roads Unimproved.....:	<b>.70</b>



**Ditch No. 1 Headwaters  
(080202030511)**

**Area Summary**

Area - Square Miles.....:	<b>47.79</b>
Area - Acres.....:	<b>30945.27</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>134.00</b>	<b>440.00</b>
Elevation Minimum.....:	<b>63.00</b>	<b>207.00</b>
Elevation Average.....:	<b>86.00</b>	<b>282.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>128.80</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>5.99</b>
Total Miles of State Highways.....:	<b>33.40</b>
Total Miles of City Streets Unpaved.....:	<b>38.78</b>
Total Miles of City Streets Paved.....:	<b>59.60</b>
Total Miles of All City Streets.....:	<b>98.38</b>
Total Miles of Miscellaneous Roads.....:	<b>1.98</b>
Total Miles of All County Roads Types.....:	<b>87.43</b>
Total Miles of County Roads Paved.....:	<b>6.14</b>
Total Miles of County Roads Gravel.....:	<b>61.90</b>
Total Miles of County Roads Graded.....:	<b>8.79</b>
Total Miles of County Roads Unimproved.....:	<b>10.60</b>

**Thompson Ditch  
(080202030502)**

**Area Summary**

Area - Square Miles.....: **34.57**  
Area - Acres.....: **22381.69**

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>158.00</b>	<b>518.00</b>
Elevation Minimum.....:	<b>69.00</b>	<b>226.00</b>
Elevation Average.....:	<b>86.00</b>	<b>282.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>79.44</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>5.41</b>
Total Miles of State Highways.....:	<b>4.82</b>
Total Miles of City Streets Unpaved.....:	
Total Miles of City Streets Paved.....:	
Total Miles of All City Streets.....:	
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>69.21</b>
Total Miles of County Roads Paved.....:	<b>3.00</b>
Total Miles of County Roads Gravel.....:	<b>62.53</b>
Total Miles of County Roads Graded.....:	<b>.44</b>
Total Miles of County Roads Unimproved.....:	<b>3.24</b>

**Little Bay Ditch Headwaters  
(080202030507)**

**Area Summary**

Area - Square Miles.....:	<b>33.82</b>
Area - Acres.....:	<b>21900.90</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>149.00</b>	<b>489.00</b>
Elevation Minimum.....:	<b>66.00</b>	<b>216.00</b>
Elevation Average.....:	<b>84.00</b>	<b>276.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>71.35</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>7.21</b>
Total Miles of State Highways.....:	<b>8.69</b>
Total Miles of City Streets Unpaved.....:	<b>42.94</b>
Total Miles of City Streets Paved.....:	<b>18.70</b>
Total Miles of All City Streets.....:	<b>61.64</b>
Total Miles of Miscellaneous Roads.....:	<b>2.98</b>
Total Miles of All County Roads Types.....:	<b>52.47</b>
Total Miles of County Roads Paved.....:	<b>7.70</b>
Total Miles of County Roads Gravel.....:	<b>44.41</b>
Total Miles of County Roads Graded.....:	<b>.00</b>
Total Miles of County Roads Unimproved.....:	<b>.36</b>

**Big Bay Ditch  
(080202030501)**

**Area Summary**

Area - Square Miles.....:	<b>32.48</b>
Area - Acres.....:	<b>21029.45</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>149.00</b>	<b>489.00</b>
Elevation Minimum.....:	<b>69.00</b>	<b>226.00</b>
Elevation Average.....:	<b>78.00</b>	<b>256.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>71.37</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>2.14</b>
Total Miles of State Highways.....:	<b>12.68</b>
Total Miles of City Streets Unpaved.....:	<b>.26</b>
Total Miles of City Streets Paved.....:	<b>5.65</b>
Total Miles of All City Streets.....:	<b>5.91</b>
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>56.55</b>
Total Miles of County Roads Paved.....:	<b>3.44</b>
Total Miles of County Roads Gravel.....:	<b>53.11</b>
Total Miles of County Roads Graded.....:	<b>.00</b>
Total Miles of County Roads Unimproved.....:	<b>.00</b>

**Clark Corner Cutoff  
(080202030514)**

**Area Summary**

Area - Square Miles.....:	<b>41.77</b>
Area - Acres.....:	<b>27042.89</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>137.00</b>	<b>449.00</b>
Elevation Minimum.....:	<b>52.00</b>	<b>171.00</b>
Elevation Average.....:	<b>87.00</b>	<b>285.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>84.24</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>7.20</b>
Total Miles of State Highways.....:	<b>8.49</b>
Total Miles of City Streets Unpaved.....:	<b>.36</b>
Total Miles of City Streets Paved.....:	<b>.36</b>
Total Miles of All City Streets.....:	<b>2.68</b>
Total Miles of Miscellaneous Roads.....:	<b>65.87</b>
Total Miles of All County Roads Types.....:	<b>6.65</b>
Total Miles of County Roads Paved.....:	<b>46.15</b>
Total Miles of County Roads Gravel.....:	<b>6.56</b>
Total Miles of County Roads Graded.....:	<b>6.51</b>
Total Miles of County Roads Unimproved.....:	<b>6.51</b>

**St. Francis Bay  
(080202030513)**

**Area Summary**

Area - Square Miles.....:	<b>33.58</b>
Area - Acres.....:	<b>21739.86</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>140.00</b>	<b>459.00</b>
Elevation Minimum.....:	<b>53.00</b>	<b>174.00</b>
Elevation Average.....:	<b>78.00</b>	<b>256.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>57.05</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>1.72</b>
Total Miles of State Highways.....:	<b>17.67</b>
Total Miles of City Streets Unpaved.....:	
Total Miles of City Streets Paved.....:	
Total Miles of All City Streets.....:	
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>37.66</b>
Total Miles of County Roads Paved.....:	<b>.00</b>
Total Miles of County Roads Gravel.....:	<b>20.78</b>
Total Miles of County Roads Graded.....:	<b>9.34</b>
Total Miles of County Roads Unimproved.....:	<b>7.54</b>

**Ditch No. 1 Outlet  
(080202030512)**

**Area Summary**

Area - Square Miles.....: **33.58**  
Area - Acres.....: **21742.50**

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>137.00</b>	<b>449.00</b>
Elevation Minimum.....:	<b>59.00</b>	<b>194.00</b>
Elevation Average.....:	<b>82.00</b>	<b>269.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>93.07</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>.00</b>
Total Miles of State Highways.....:	<b>15.43</b>
Total Miles of City Streets Unpaved.....:	
Total Miles of City Streets Paved.....:	
Total Miles of All City Streets.....:	
Total Miles of Miscellaneous Roads.....:	<b>1.48</b>
Total Miles of All County Roads Types.....:	<b>76.16</b>
Total Miles of County Roads Paved.....:	<b>4.98</b>
Total Miles of County Roads Gravel.....:	<b>50.16</b>
Total Miles of County Roads Graded.....:	<b>5.23</b>
Total Miles of County Roads Unimproved.....:	<b>15.79</b>

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