

# Appendix C

## Occupancy Rate and Revenue Data

**Corps Campground Usage  
2008-2011**

Year	Campground Name	Number of Campsites	Days Available	Days Occupied	Average length of stay	% Usage Weekdays (Mon-Thu)	% Usage Weekends (Fri-Sun)	Total Percent Usage	Number of Visitors	Visitor Days	Total Fees Collected	Visitor Hours	Lake Area #	X Coord	Y Coord
2008	Belle Starr	115	16,286	4,568	3.33	21.20%	37.44%	28.05%	5,057	5,057	\$5,057	5,057	3	269389	3912411
2009	Belle Starr	115	16,104	5,724	3.41	27.41%	46.49%	35.54%	5,869	5,869	\$5,869	5,869	3	269389	3912411
2010	Belle Starr	115	20,453	7,541	3.64	28.85%	47.46%	36.87%	8,422	8,422	\$8,422	8,422	3	269389	3912411
2011	Belle Starr	115	20,679	6,841	3.70	25.57%	42.97%	33.08%	7,689	7,689	\$7,689	7,689	3	269389	3912411
2008	Brooken Cove	75	11,473	4,235	3.70	30.47%	45.75%	36.91%	3,803	11,486	\$56,224	275,664	4	281530	3908023
2009	Brooken Cove	75	11,346	5,035	4.08	37.88%	53.12%	44.38%	4,487	14,412	\$63,950	345,888	4	281530	3908023
2011	Brooken Cove	75	13,725	684	4.78	20.80%	24.54%	22.46%	376	1,645	\$8,031	39,480	4	281530	3908023
2008	Dam Site	57	10,672	1,287	2.94	6.99%	18.94%	12.06%	1,944	4,587	\$17,208	110,088	4	284141	3909386
2009	Dam Site	57	10,614	1,449	2.63	7.26%	22.26%	13.65%	2,880	6,942	\$19,875	166,608	4	284141	3909386
2010	Dam Site	57	10,498	1,448	3.11	8.20%	21.18%	13.79%	3,240	8,504	\$20,260	204,096	4	284141	3909386
2011	Dam Site	57	10,614	733	3.84	11.35%	23.46%	16.59%	817	3,339	\$11,298	80,136	4	284141	3909386
2008	Gentry Creek	37	6,908	1,052	3.08	9.99%	22.87%	15.45%	857	3,155	\$11,394	75,720	1	257889	3931040
2009	Gentry Creek	37	6,771	1,520	3.06	15.32%	32.05%	22.45%	1,138	3,764	\$16,291	90,336	1	257889	3931040
2010	Gentry Creek	37	6,697	1,503	3.01	16.22%	31.98%	22.44%	1,913	6,244	\$17,180	149,856	1	257889	3931040
2011	Gentry Creek	37	6,771	1,199	3.22	12.55%	24.50%	17.71%	1,804	5,840	\$14,895	140,160	1	257889	3931040
2008	Hwy 9 Landing	80	14,823	4,702	3.40	24.99%	40.79%	31.72%	4,924	4,924	\$4,924	4,924	3	273207	3902955
2009	Hwy 9 Landing	80	14,823	4,963	3.60	26.58%	42.77%	33.48%	4,818	4,818	\$4,818	4,818	3	273207	3902955
2010	Hwy 9 Landing	80	14,823	5,377	3.64	28.00%	42.42%	36.27%	4,847	4,847	\$4,847	4,847	3	273207	3902955
2011	Hwy 9 Landing	80	14,823	4,482	3.68	23.11%	39.62%	30.24%	3,999	3,999	\$3,999	3,999	3	273207	3902955
2008	Porum Landing	54	9,250	3,167	3.60	27.40%	43.62%	34.24%	3,258	10,561	\$41,425	253,464	4	282356	3915203
2009	Porum Landing	54	9,150	3,606	3.70	31.81%	49.64%	39.41%	3,937	13,316	\$45,588	319,584	4	282356	3915203
2010	Porum Landing	54	9,050	3,725	3.79	34.87%	50.13%	41.16%	3,634	12,369	\$46,910	296,856	4	282356	3915203
2011	Porum Landing	54	9,150	3,094	4.06	27.94%	41.63%	33.85%	3,813	10,445	\$41,247	250,680	4	282356	3915203
<b>Totals/Avg</b>			<b>275,503</b>	<b>77,935</b>	<b>3.52</b>	<b>21.95%</b>	<b>36.77%</b>	<b>28.34%</b>	<b>83,526</b>	<b>162,234</b>	<b>\$477,401</b>	<b>2,844,241</b>			
			<b>Totals</b>		<b>Averages</b>				<b>Totals</b>						









**Belle Starr CG  
2008 - 2011**

<b>Year</b>	<b>Campground Name</b>	<b>Number of Campsites</b>	<b>Days Available</b>	<b>Days Occupied</b>	<b>Average length of stay</b>	<b>% Usage Weekdays (Mon-Thu)</b>	<b>% Usage Weekends (Fri-Sun)</b>	<b>Total Percent Usage</b>	<b>Number of Visitors</b>	<b>Visitor Days</b>	<b>Total Fees Collected</b>	<b>Visitor Hours</b>	<b>Lake Area #</b>
2008	Belle Starr	115	16,286	4,568	3.33	21.20%	37.44%	28.05%	5,057	15,845	\$57,820	380,280	3
2009	Belle Starr	115	16,104	5,724	3.41	27.41%	46.49%	35.54%	5,869	18,303	\$70,901	439,272	3
2010	Belle Starr	115	20,453	7,541	3.64	28.85%	47.46%	36.87%	8,422	29,189	\$95,745	700,536	3
2011	Belle Starr	115	20,679	6,841	3.70	25.57%	42.97%	33.08%	7,689	27,027	\$99,458	648,648	3
<b>Average</b>			<b>18,381</b>	<b>6,169</b>	<b>3.52</b>	<b>25.76%</b>	<b>43.59%</b>	<b>33.39%</b>	<b>6,759</b>	<b>22,591</b>	<b>\$80,981</b>	<b>542,184</b>	

**Brooken Cove CG  
2008 - 2011**

<b>Year</b>	<b>Campground Name</b>	<b>Number of Campsites</b>	<b>Days Available</b>	<b>Days Occupied</b>	<b>Average length of stay</b>	<b>% Usage Weekdays (Mon-Thu)</b>	<b>% Usage Weekends (Fri-Sun)</b>	<b>Total Percent Usage</b>	<b>Number of Visitors</b>	<b>Visitor Days</b>	<b>Total Fees Collected</b>	<b>Visitor Hours</b>	<b>Lake Area #</b>
2008	Brooken Cove	75	11,473	4,235	3.70	30.47%	45.75%	36.91%	3,803	11,486	\$56,224	275,664	4
2009	Brooken Cove	75	11,346	5,035	4.08	37.88%	53.12%	44.38%	4,487	14,412	\$63,950	345,888	4
2011	Brooken Cove	75	13,725	684	4.78	20.80%	24.54%	22.46%	376	1,645	\$8,031	39,480	4
<b>Averages</b>			<b>12,181</b>	<b>3,318</b>	<b>4.19</b>	<b>29.72%</b>	<b>41.14%</b>	<b>34.58%</b>	<b>2,889</b>	<b>9,181</b>	<b>\$42,735</b>	<b>220,344</b>	



**Dam Site CG  
2008 - 2011**

<b>Year</b>	<b>Campground Name</b>	<b>Number of Campsites</b>	<b>Days Available</b>	<b>Days Occupied</b>	<b>Average length of stay</b>	<b>% Usage Weekdays (Mon-Thu)</b>	<b>% Usage Weekends (Fri-Sun)</b>	<b>Total Percent Usage</b>	<b>Number of Visitors</b>	<b>Visitor Days</b>	<b>Total Fees Collected</b>	<b>Visitor Hours</b>	<b>Lake Area #</b>
2008	Dam Site	57	10,672	1,287	2.94	6.99%	18.94%	12.06%	1,944	4,587	\$17,208	110,088	4
2009	Dam Site	57	10,614	1,449	2.63	7.26%	22.26%	13.65%	2,880	6,942	\$19,875	166,608	4
2010	Dam Site	57	10,498	1,448	3.11	8.20%	21.18%	13.79%	3,240	8,504	\$20,260	204,096	4
2011	Dam Site	57	10,614	733	3.84	11.35%	23.46%	16.59%	817	3,339	\$11,298	80,136	4
<b>Averages</b>			<b>10,600</b>	<b>1,229</b>	<b>3.13</b>	<b>16.90%</b>	<b>21.46%</b>	<b>14.02%</b>	<b>2,220</b>	<b>5,843</b>	<b>\$17,160</b>	<b>140,232</b>	

**Gentry Creek CG  
2008 - 2011**

<b>Year</b>	<b>Campground Name</b>	<b>Number of Campsites</b>	<b>Days Available</b>	<b>Days Occupied</b>	<b>Average length of stay</b>	<b>% Usage Weekdays (Mon-Thu)</b>	<b>% Usage Weekends (Fri-Sun)</b>	<b>Total Percent Usage</b>	<b>Number of Visitors</b>	<b>Visitor Days</b>	<b>Total Fees Collected</b>	<b>Visitor Hours</b>	<b>Lake Area #</b>
2008	Gentry Creek	37	6,908	1,052	3.08	9.99%	22.87%	15.45%	857	3,155	\$11,394	75,720	1
2009	Gentry Creek	37	6,771	1,520	3.06	15.32%	32.05%	22.45%	1,138	3,764	\$16,291	90,336	1
2010	Gentry Creek	37	6,697	1,503	3.01	16.22%	31.98%	22.44%	1,913	6,244	\$17,180	149,856	1
2011	Gentry Creek	37	6,771	1,199	3.22	12.55%	24.50%	17.71%	1,804	5,840	\$14,895	140,160	1
<b>Averages</b>			<b>6,787</b>	<b>1,319</b>	<b>3.09</b>	<b>13.52%</b>	<b>27.85%</b>	<b>19.51%</b>	<b>1,428</b>	<b>4,751</b>	<b>\$14,940</b>	<b>114,018</b>	

**Hwy 9 Landing CG  
2008 - 2011**

<b>Year</b>	<b>Campground Name</b>	<b>Number of Campsites</b>	<b>Days Available</b>	<b>Days Occupied</b>	<b>Average length of stay</b>	<b>% Usage Weekdays (Mon-Thu)</b>	<b>% Usage Weekends (Fri-Sun)</b>	<b>Total Percent Usage</b>	<b>Number of Visitors</b>	<b>Visitor Days</b>	<b>Total Fees Collected</b>	<b>Visitor Hours</b>	<b>Lake Area #</b>
2008	Hwy 9 Landing	80	14,823	4,702	3.40	24.99%	40.79%	31.72%	4,924	15,383	\$58,172	369,192	3
2009	Hwy 9 Landing	80	14,823	4,963	3.60	26.58%	42.77%	33.48%	4,818	15,712	\$63,028	377,088	3
2010	Hwy 9 Landing	80	14,823	5,377	3.64	28.00%	42.42%	36.27%	4,847	16,122	\$65,598	386,928	3
2011	Hwy 9 Landing	80	14,823	4,482	3.68	23.11%	39.62%	30.24%	3,999	13,147	\$63,996	315,528	3
<b>Averages</b>			<b>14,823</b>	<b>4,881</b>	<b>3.58</b>	<b>25.67%</b>	<b>41.40%</b>	<b>32.93%</b>	<b>4,647</b>	<b>15,091</b>	<b>\$62,699</b>	<b>362,184</b>	

**Porum Landing CG  
2008 - 2011**

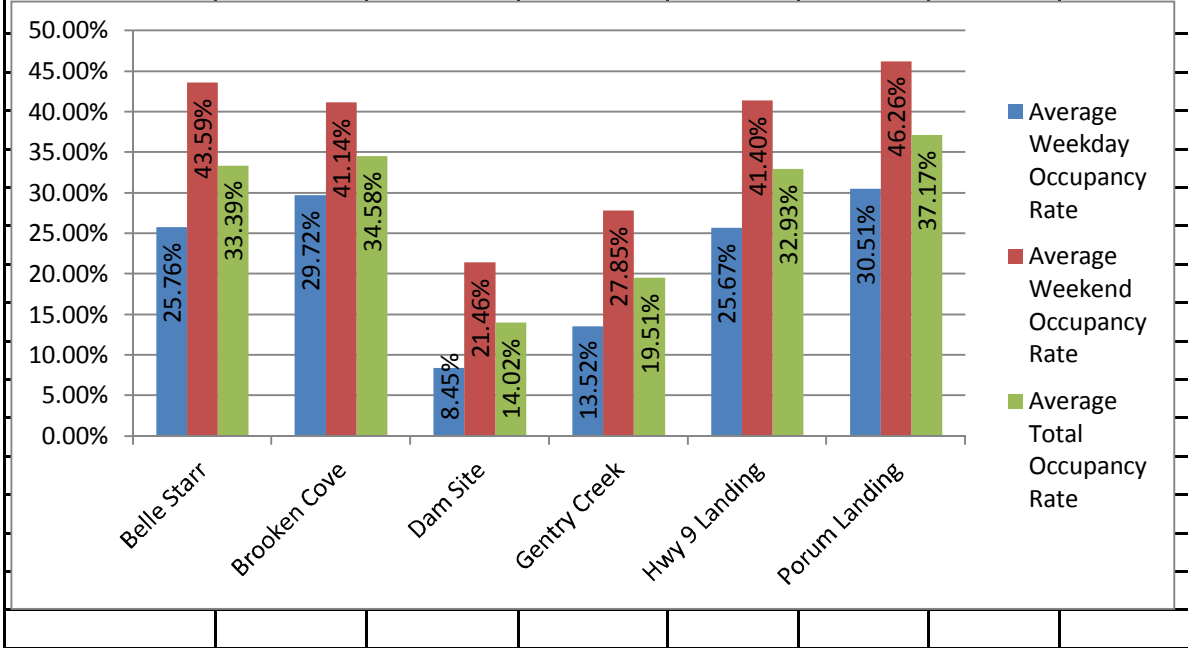
<b>Year</b>	<b>Campground Name</b>	<b>Number of Campsites</b>	<b>Days Available</b>	<b>Days Occupied</b>	<b>Average length of stay</b>	<b>% Usage Weekdays (Mon-Thu)</b>	<b>% Usage Weekends (Fri-Sun)</b>	<b>Total Percent Usage</b>	<b>Number of Visitors</b>	<b>Visitor Days</b>	<b>Total Fees Collected</b>	<b>Visitor Hours</b>	<b>Lake Area #</b>
2008	Porum Landing	54	9,250	3,167	3.60	27.40%	43.62%	34.24%	3,258	10,561	\$41,425	253,464	4
2009	Porum Landing	54	9,150	3,606	3.70	31.81%	49.64%	39.41%	3,937	13,316	\$45,588	319,584	4
2010	Porum Landing	54	9,050	3,725	3.79	34.87%	50.13%	41.16%	3,634	12,369	\$46,910	296,856	4
2011	Porum Landing	54	9,150	3,094	4.06	27.94%	41.63%	33.85%	3,813	10,445	\$41,247	250,680	4
<b>Averages</b>			<b>9,150</b>	<b>3,398</b>	<b>3.79</b>	<b>30.51%</b>	<b>46.26%</b>	<b>37.17%</b>	<b>3,661</b>	<b>11,673</b>	<b>\$43,793</b>	<b>280,146</b>	

**Lake Area #3 CG's  
2008 - 2011**

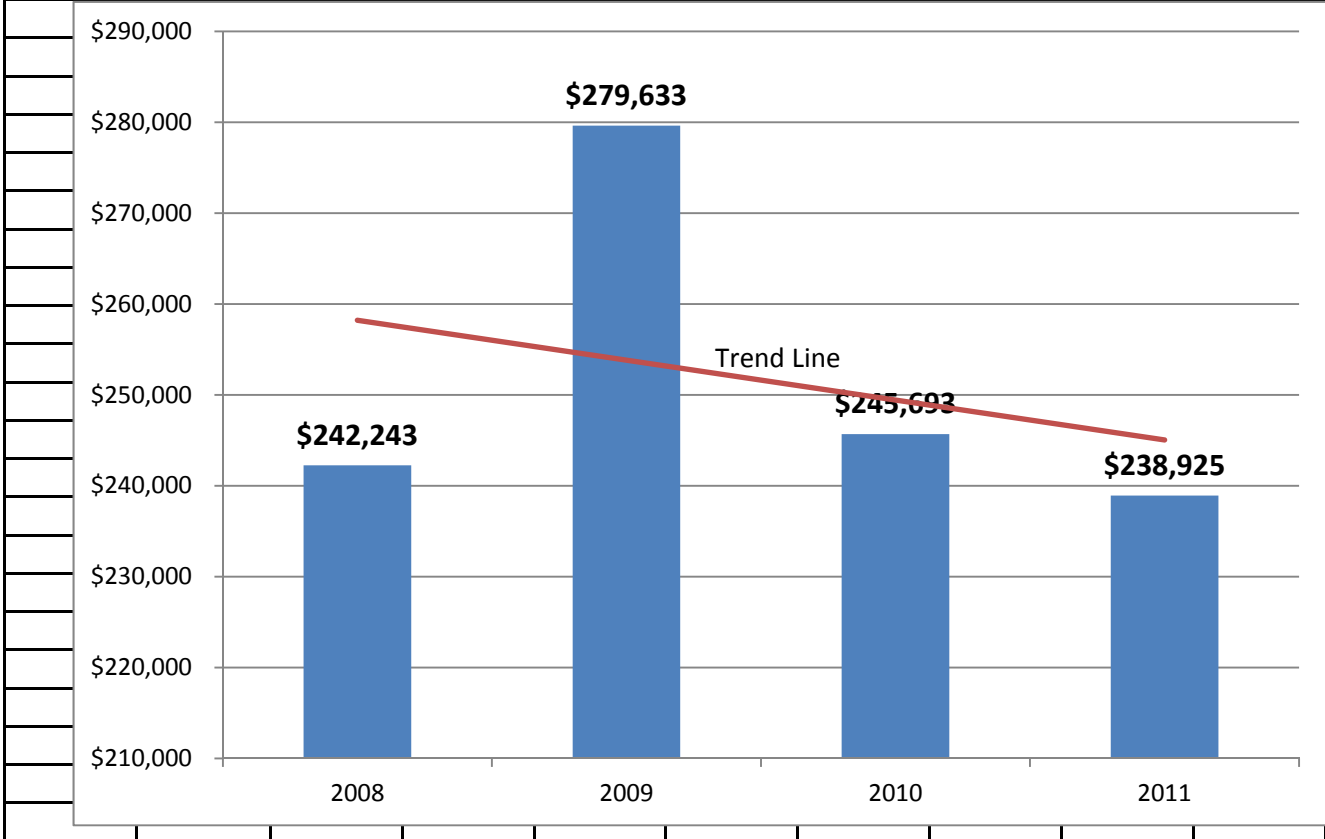
Year	Campground Name	Number of Campsites	Days Available	Days Occupied	Average length of stay	% Usage Weekdays (Mon-Thu)	% Usage Weekends (Fri-Sun)	Total Percent Usage	Number of Visitors	Visitor Days	Total Fees Collected	Visitor Hours	Lake Area #
2008	Belle Starr	115	16,286	4,568	3.33	21.20%	37.44%	28.05%	5,057	5,057	\$5,057	5,057	3
2009	Belle Starr	115	16,104	5,724	3.41	27.41%	46.49%	35.54%	5,869	5,869	\$5,869	5,869	3
2010	Belle Starr	115	20,453	7,541	3.64	28.85%	47.46%	36.87%	8,422	8,422	\$8,422	8,422	3
2011	Belle Starr	115	20,679	6,841	3.70	25.57%	42.97%	33.08%	7,689	7,689	\$7,689	7,689	3
2008	Hwy 9 Land	80	14,823	4,702	3.40	24.99%	40.79%	31.72%	4,924	4,924	\$4,924	4,924	3
2009	Hwy 9 Land	80	14,823	4,963	3.60	26.58%	42.77%	33.48%	4,818	4,818	\$4,818	4,818	3
2010	Hwy 9 Land	80	14,823	5,377	3.64	28.00%	42.42%	36.27%	4,847	4,847	\$4,847	4,847	3
2011	Hwy 9 Land	80	14,823	4,482	3.68	23.11%	39.62%	30.24%	3,999	3,999	\$3,999	3,999	3
<b>Totals/Avg</b>			<b>132,814</b>	<b>44,198</b>	<b>3.52</b>	<b>21.95%</b>	<b>36.77%</b>	<b>28.34%</b>	<b>45,625</b>	<b>45,625</b>	<b>\$45,625</b>	<b>45,625</b>	
			<b>Totals</b>		<b>Averages</b>				<b>Totals</b>				



Campground Name	Average Weekday Occupancy Rate	Average Weekend Occupancy Rate	Average Total Occupancy Rate				
Belle Starr	25.76%	43.59%	33.39%				
Brooken Cove	29.72%	41.14%	34.58%				
Dam Site	8.45%	21.46%	14.02%				
Gentry Creek	13.52%	27.85%	19.51%				
Hwy 9 Landing	25.67%	41.40%	32.93%				
Porum Landing	30.51%	46.26%	37.17%				
Averages	22.27%	36.95%	28.60%				



Year	Revenue								
2008	\$242,243								
2009	\$279,633								
2010	\$245,693								
2011	\$238,925								





# Appendix D

## REAS and Recreation Economic Impact Analyses

## US Army Corps of Engineers Recreation Economic Assessment System

### Estimating Economic Impacts of Corps of Engineers Visitor Spending on Regional Economies

**Steps to complete an analysis are:**

1. Choose or edit a set of visitor spending profiles - SPEND Page
2. Choose or enter visitation data for your project - VISITS Page
3. Choose Multipliers for the study region - MULTIPLIERS Page
4. View and/or Print Results - SUMMARY Page
5. Create charts - PRINT-CHARTS Page

**Wen-Huei Chang, Scott Jackson**

Engineer Research and Development Center, US Army Corps of Engineers

**Daniel Stynes, Dennis Propst**

Department of Park, Recreation, and Tourism Resources , Michigan State University

**POC: [Wen-Huei.Chang@usace.army.mil](mailto:Wen-Huei.Chang@usace.army.mil) (703)428-7214**

*Based on the MGM2 Model developed by:*

*Daniel Stynes, Dennis Propst, Wen-Huei Chang and Ya-Yen Sun,*

*Department of Park, Recreation, and Tourism Resources , Michigan State University*

Table 1. Visitor Spending by Market Segment in Local Area (w/30 miles of the lak Visit

National Average

2006

CATEGORY	SEGMENT						AVG PER	TOTAL	PCT						
	Camp/ Boater	Camp/ NonB	Day/ Boater	Day/ NonB	OVN/ Boater	OVN/ NonB									
Motel, hotel cabin or B&B	0.87	0.13	0.00	0.00	20.33	21.06	0.00	0.00	0.00	0.00	0.00	0.00	0.62	65	3.0%
Camping fees	16.16	16.72	0.00	0.00	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.42	44	2.1%
Restaurants & bars	8.53	9.79	2.84	3.54	15.06	16.88	0.00	0.00	0.00	0.00	0.00	0.00	4.04	424	19.8%
Groceries, take-out food/drinks	21.16	17.24	4.55	4.55	15.27	6.55	0.00	0.00	0.00	0.00	0.00	0.00	4.95	520	24.3%
Gas & oil	24.46	16.86	13.48	5.34	29.78	14.32	0.00	0.00	0.00	0.00	0.00	0.00	6.49	682	31.8%
Other auto expenses	1.08	1.66	1.88	0.34	6.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.48	51	2.4%
Other boat expenses	5.49	0.00	2.35	0.00	13.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.20	21	1.0%
Entertainment and recreation fe	2.78	3.46	1.15	0.62	5.17	1.97	0.00	0.00	0.00	0.00	0.00	0.00	0.77	81	3.8%
Sporting goods	4.09	1.29	2.65	0.74	4.25	2.03	0.00	0.00	0.00	0.00	0.00	0.00	0.93	98	4.6%
Souvenirs and other expenses	3.57	6.34	0.53	1.42	3.59	1.80	0.00	0.00	0.00	0.00	0.00	0.00	1.49	157	7.3%
Other services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.0%
Other merchandise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0	0.0%
<b>Total</b>	<b>88.19</b>	<b>73.49</b>	<b>29.44</b>	<b>16.54</b>	<b>113.78</b>	<b>64.66</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>20.40</b>	<b>2,142</b>	<b>100.0%</b>

Scroll down  
for options

### Import Spending Data

#### A. Generic Spending Profiles

choose one of the following

- National Average Spending
- High spending (30% higher than average)
- Low spending (30% lower than average)

Select Low, Typical, or High Spending based on your region's characteristics

#### B. Import Custom Spending Profiles

- Import Custom Spending Profile

Click Percent Adjustment to increase/ decrease spending by a specific percentage. This adjustment applies to all segments.

The current percent change is **0%**

**Table 2. USER INPUTS: Visitation to Your Project (2006 NRMS)**

**STEP 1**

**Select a Project**

SANDY LAKE - RESERVOIRS AT HEADWATI

SANTA FE DAM

SANTA ROSA DAM AND LAKE

SARDIS LAKE TULSA

SARDIS LAKE VICKSBURG

SAYLORVILLE LAKE

SENECAVILLE LAKE

SEPULVEDA DAM

SHENANGO RIVER LAKE

Selecting a project will retrieve the 2006 Visit figures for the project and paste multipliers for the local region into the Multipliers page. You may then proceed to results on Summary page or edit spending, visits or multiplier data.

**Current Project**

**SARDIS LAKE TULSA**

**NUMBER OF VISITS IN PERSON TRIPS**

**104,969**

**STEP 2. Edit the distribution of visits by segment (see instructions). Note that default other overnight visit is "0"**

Enter as Percentages of Total    
  Enter as number of visits by segment (in person-trips)

Space is provided for up to 12 segments. Click on "Balance Shares" if percents do not sum to 100%.

SEGMENT	SHARE	Visit
Camp/ Boater	0.2%	192
Camp/ NonB	2.3%	2,466
Day/ Boater	6.8%	7,155
Day/ NonB	87.7%	92,087
OVN/ Boater	0.2%	221
OVN/ NonB	2.7%	2,848
	0.0%	0
	0.0%	0
	0.0%	0
	0.0%	0
	0.0%	0
	0.0%	0
<b>CHECK SUM</b>	<b>100.0%</b>	<b>104,969</b>

**Instructions to enter visits yourself:**

1. Use option buttons in green area to enter visitor types as percentages or absolute number of visits (person trips).
2. If using percents, enter total visits in cell E3 .
3. If visits < million, enter visits in units and choose "Units" button.
4. Balancing button may be used to recompute totals or force percents to add to 100%.
5. When visits are complete, inspect total spending on TOTSP page and then select Multipliers.

**Show Me**

USE UNITS = **Visit**  
 Current Project: **SARDIS LAKE TULSA**  
 Note that units must be consistent between spending data in Table 1 and number of visitors above (cell E3).

**Table 3. Total spending by Visitor (\$ Thousands)**

**SARDIS LAKE TULSA**

	SEGMENT												Total
	Camp/ Boat	Camp/ Non Day/ Boate	Day/ NonB	OVN/ Boat	OVN/ Nor		0	0	0	0	0	0	
Motel, hotel cabin or B&B	0.17	0.31	0.00	0.00	4.50	59.98	0.00	0.00	0.00	0.00	0.00	0.00	64.96
Camping fees	3.10	41.22	0.00	0.00	0.03	0.11	0.00	0.00	0.00	0.00	0.00	0.00	44.45
Restaurants & bars	1.63	24.13	20.33	326.31	3.33	48.07	0.00	0.00	0.00	0.00	0.00	0.00	423.80
Groceries, take-out food/drinks	4.05	42.50	32.55	418.67	3.38	18.66	0.00	0.00	0.00	0.00	0.00	0.00	519.81
Gas & oil	4.69	41.58	96.47	491.42	6.59	40.79	0.00	0.00	0.00	0.00	0.00	0.00	681.54
Other auto expenses	0.21	4.10	13.42	31.58	1.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00	50.80
Other boat expenses	1.05	0.00	16.84	0.00	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20.87
Entertainment and recreation fees	0.53	8.54	8.26	56.91	1.14	5.62	0.00	0.00	0.00	0.00	0.00	0.00	81.01
Sporting goods	0.78	3.18	18.98	68.08	0.94	5.79	0.00	0.00	0.00	0.00	0.00	0.00	97.76
Souvenirs and other expenses	0.68	15.63	3.82	130.58	0.79	5.12	0.00	0.00	0.00	0.00	0.00	0.00	156.63
Other services	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other merchandise	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Total</b>	<b>16.90</b>	<b>181.20</b>	<b>210.68</b>	<b>1,523.55</b>	<b>25.18</b>	<b>184.15</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>2,141.65</b>

If total spending values are all zero, you forgot to enter visits on VISITS page.

When satisfied with spending estimates, proceed to choose multipliers on MULTIPLIER page to complete the impact analysis

**Choose generic or custom sets of multipliers**

Regional economic impacts are obtained by applying the changes in spending to a set of economic ratios and multipliers for the region. The default multipliers in Table M are for a typical rural region. Four sets of generic multipliers may be chosen by selecting buttons at the right. These represent regions of increasing economic development. You may also import multipliers for specific regions using the "Import custom multipliers" button.

Computations of Direct and Total effects are shown below in Tables M1 and M2 using the chosen multipliers. Most users may proceed directly to the SUMMARY page, where overall economic impacts are summarized.

**Generic Multipliers**

- Rural
- Smaller metro
- Larger metro
- US 2006

Model Name SWTSARDIS.iap YEAR 2001

**Table M. Multipliers for selected tourism-related sectors**

Sector	Direct effects		Property Inc/sales	Value Added	Total effects multipliers			VA		adjusted job/sales			US Model 2006	
	Jobs/ MM sales	Personal Inc/sales			Jobs/ sales	MMsales	Incl/ sales	II/sales	Sales I	RPC	Direct	Total Prop Inc II		
84 All other food manufacturing														
107 Cut and sew apparel manufacturing	11.190	0.078	0.045	0.124	1.310	15.387	0.167	0.280	1.238	0.404	9.49	13.18	0.387	
142 Petroleum refineries	0.422	0.066	0.015	0.091	1.824	5.133	0.219	0.380	1.727	0.871	0.13	4.27	0.322	
348 Motor home manufacturing											0.00	0.00	0.290	
349 Travel trailer and camper manufacturir	6.024	0.203	0.074	0.282	1.345	9.622	0.301	0.442	1.217	0.410	4.89	8.05	0.365	
358 Boat building	8.919	0.238	0.125	0.367	1.247	12.041	0.315	0.501	1.112	0.004	5.18	7.92	0.436	
359 Motorcycle, bicycle, and parts manufacturing											0.00	0.00	0.279	
381 Sporting and athletic goods manufactu	8.105	0.080	0.020	0.107	1.374	12.874	0.192	0.289	1.292	0.000	5.83	10.02	0.371	
389 Buttons, pins, and all other miscellaneous m											0.00	0.00	0.418	
390 Wholesale trade	10.726	0.376	0.093	0.658	1.349	15.917	0.495	0.860	1.137	0.323	8.45	13.01	0.336	
391 Air transportation											0.00	0.00	0.310	
395 Transit and ground passenger transpo	81.372	0.300	0.011	0.340	1.530	88.554	0.463	0.606	1.326	0.132	53.88	60.19	0.315	
397 Scenic and sightseeing transportation and su											0.00	0.00	0.368	
405 Food and beverage stores	21.299	0.423	0.045	0.566	1.439	27.780	0.571	0.815	1.192	0.777	17.93	23.62	0.355	
407 Gasoline stations	24.390	0.353	0.010	0.458	1.459	31.238	0.508	0.716	1.240	0.950	15.23	21.25	0.337	
409 Sporting goods, hobby, book and mus	20.512	0.411	0.052	0.563	1.432	26.898	0.556	0.809	1.193	0.451	19.44	25.05	0.369	
410 General merchandise stores	20.264	0.491	0.085	0.688	1.409	26.223	0.628	0.923	1.138	0.950	14.21	19.45	0.362	
432 Automotive equipment rental and leasi	17.114	0.236	0.433	0.719	1.305	21.432	0.335	0.884	1.161	0.156	13.78	17.57	0.617	
478 Other amusement, gambling, and reocr	27.283	0.359	0.190	0.603	1.392	33.076	0.488	0.820	1.181	0.645	25.81	30.90	0.470	
479 Hotels and motels, including casino hot	28.655	0.438	0.182	0.708	1.369	34.139	0.559	0.917	1.130	0.385	20.11	24.92	0.447	
480 Other accommodations	7.564	0.131	0.147	0.308	1.481	15.099	0.288	0.566	1.357	0.800	10.82	17.43	0.499	
481 Food services and drinking places	22.553	0.468	-0.004	0.528	1.417	28.307	0.600	0.758	1.156	0.900	17.54	22.59	0.339	
483 Automotive repair and maintenance, e:	7.690	0.203	0.222	0.466	1.417	13.077	0.333	0.670	1.273	0.900	12.50	17.23	0.468	

adjusted job to sales based on US 2006 to 2001 ratios totals use genI CPI on secondary sales

Set to 6 for 2001 models Set to 7 for all other years - straight CPI adjustment

6

Lookups

1 2 3 4 5 6 7 8 9 10 11 12 13 14

1.31

Values in yellow below may be changed

added total property income

**Table M1 . Computation of Direct Effects**

Spending	Spending, sales, income and value added in (\$ Thousands)					Direct production portion				Total effects					Sales I IMPLAN S <sub>i</sub> Prop Inc II		
	Retail Margin	Wholesale Margin	R Margin captured	W Margin	Sales Captured	Direct Jobs	Personal Income	Property Inc	Value Added	Sales II	Jobs/ MMsales	Incl/ sales	VA II/sales				
Motel, hotel cabin or B&I	65		100%	-	65	1	28	11.8	46.0	89	2	36	60	73	479	29.0	
Camping fees	44		100%	-	44	0	6	6.5	13.7	66	1	13	25	60	480	22.2	
Restaurants & bars	424		100%	-	424	7	198	(1.8)	223.7	600	10	254	321	490	481	143.9	
Other into expenses	51		100%	-	51	1	10	11.3	23.7	72	1	17	34	65	483	23.8	
Other boat expenses	21		100%	-	21	0	4	4.6	9.7	30	0	7	14	27	483	9.8	
Entertainment and recreati	81		100%	-	81	2	29	15.4	48.8	113	3	40	66	96	478	38.1	
Other services	-		100%	-	-	-	-	-	-	0	-	-	-	-	478	-	
Grocery stores	520	25.3%	12.3%		64	132	2	56	5.9	74.4	189	3	75	107	157	405	46.6
Gas stations	682	22.3%	8.3%		57	152	2	54	1.6	69.6	222	3	77	109	188	407	51.2
Clothing retail	-	41.6%	16.6%		-	-	-	-	-	0	-	-	-	-	410	-	
Sporting goods retail	98	34.3%	11.4%		11	34	1	14	1.8	18.9	48	1	19	27	40	409	12.4
Other retail	157	50.0%	11.4%		18	78	1	38	6.7	53.9	110	2	49	72	89	410	28.3
Food processing	-		0%		-	-	-	-	-	0	-	-	-	-	84	-	
Petroleum refining	-		87%		412	0	27	6.1	37.6	751	2	90	156	711	142	132.8	
Apparel	-		40%		-	-	-	-	-	0	-	-	-	-	107	-	
Sporting goods manuf	-		0%		0	0	0	0.0	0.0	0	0	0	0	0	381	0.0	
Other manuf	-		0%		-	-	-	-	-	0	-	-	-	-	389	-	
Wholesale margin captured	-		32%		48	0	18	4.5	31.8	65	1	24	42	55	390	16.3	
<b>Total</b>	<b>2,142</b>				<b>150</b>	<b>1,541</b>	<b>19</b>	<b>483</b>	<b>74</b>	<b>652</b>	<b>2,355</b>	<b>27</b>	<b>701</b>	<b>1,034</b>	<b>2,051</b>	<b>554</b>	
Capture rate	72%																
Local Goods production						412	0	27	6	38	751	2	90	156	711		

Retail Margins from Census of Retail trade, 1996, BR/97-RV, Current Business Reports, Annual Benchmark Report for Retail Trade, January 1988 through December 1997

Wholesale Trade Margins from Annual Benchmark Report for Wholesale Trade, January 1988 through December 1997

	2006 IMPLAN margins	
Grocery stores	26.3%	5.5%
Gas stations	22.0%	36.1%
Clothing retail	40.3%	8.5%
Sporting goods retail	41.0%	12.4%
Other retail	40.1%	9.5%
	Old Trade margins	
Grocery stores	25.3%	12.3%
Gas stations	22.3%	8.3%
Clothing retail	41.6%	16.6%
Sporting goods retail	34.3%	11.4%
Other retail	50.0%	11.4%

- 479 Hotels and motels, including casino hotels
- 478 Other amusement, gambling, and recreation
- 481 Food services and drinking places
- 405 Food and beverage stores
- 407 Gasoline stations
- 409 Sporting goods, hobby, book and music sto
- 480 Other accommodations
- 478 Other amusement, gambling, and recreation
- 483 Automotive repair and maintenance, except
- 410 General merchandise stores
- 425 Nondepository credit intermediation and re
- 390 Wholesale trade
- 428 Insurance agencies, brokerages, and relate
- 358 Boat building
- 286 Other engine equipment manufacturing
- 349 Travel trailer and camper manufacturing
- 381 Sporting and athletic goods manufacturing
- 401 Motor vehicle and parts dealers
- 84 All other food manufacturing
- 107 Cut and sew apparel manufacturing

Multiplier Lookup Table

<p><b>Group 1: Rural</b> Smaller rural regions with low population (below 30,000). Low sales multipliers and high job to sales ratios Representative regions: DWORSHAK DAM &amp; RESERVOIR, NIMROD LAKE, BLUE MOUNTAIN LAKE</p>
<p><b>Group 2: Small Metro</b> Larger rural regions or small metro areas with population up to 500,000. Regions with smaller populations that serve as population centers of the surrounding areas may fit into this category. Low to medium sales multipliers and medium to high job to sales ratios. Representative regions: LAKE OUACHITA, MILFORD LAKE, (WOLF CREEK DAM) LAKE CUMBERLAND</p>
<p><b>Group 3: Large Metro</b> Medium to larger metro areas with population up to 1,000,000. Regions with smaller populations that serve as population centers of the surrounding areas may fit into this category. Medium to high sales multipliers and medium to low job to sales ratios. Representative regions: LEWISVILLE LAKE, LAKE SIDNEY LANIER, J PERCY PRIEST DAM AND RESERVOIR</p>
<p><b>Group 4: State</b> State level regions or regions including larger metro areas (1,000,000 and more). High sales multipliers and low job to sales ratios. Representative regions: States, Districts, Divisions</p>

# SUMMARY OF RESULTS

Always click this button to update the text box below

Total visitation in SARDIS LAKE TULSA was 104,969 ( Visit, ) in 2006. CE visitors in the area spent \$2,142 thousand on trip within 30 miles of the project.

72% of this spending was captured by local economy yielding \$1,541 thousand in direct sales to tourism related firms. These sales generated \$0,483 thousand in direct personal income and supported 19 direct jobs.

With multiplier effects visitor spending resulted in \$2,355 thousand total sales, \$0,701 thousand in total personal income, and supported 27 jobs.

Spending data set	Units	Input
Year of spending data		2006
Multipliers		SWTSARDIS.iap
VISITS	Visit,	104,969
Average spending	per Visit	\$ 20.40

**Table 1. Economic Impacts of Visitor Spending**

Sector/Spending category	Sales (\$ Thousands)	Jobs	Labor Income (\$ Thousands)	Value Added (\$ Thousands)	
<b>Direct Effects</b>					
Motel, hotel cabin	64.96	1	28.48	46.01	1
Other Lodging	44.45	0	5.85	13.67	2
Restaurants & bars	423.80	7	198.20	223.69	3
Auto repair	50.80	1	10.30	23.67	4
Boat repair and maint.	20.87	0	4.23	9.73	5
Entertainment and recreation fees	81.01	2	29.12	48.82	6
Other services	-	-	-	0.00	7
Grocery stores	131.51	2	55.60	74.41	8
Gas stations	151.98	2	53.60	69.63	9
Clothing retail	-	-	-	0.00	10
Sporting goods retail	33.53	1	13.77	18.89	11
Other retail	78.32	1	38.45	53.92	12
Wholesale trade	48.33	0	18.18	31.82	13
<u>Manf</u>	<u>411.84</u>	<u>0</u>	<u>27.33</u>	<u>37.61</u>	14
Total Direct Effects	1,541.41	19	483.11	651.86	15
<u>Secondary Effects</u>	<u>813.72</u>	<u>8</u>	<u>217.90</u>	<u>382.01</u>	16
Total Effects	\$ 2,355	27	\$ 701	\$ 1,034	17
Multiplier	1.53	1.40	1.45	1.59	
Total Visitor Spending (\$ Thousands)		\$ 2,142			
Capture rate		72%			
Effective spending multiplier		1.10			



**Table 3. Marginal Impacts per \$1,000 of spending and per 1,000 visits**

	change per \$1,000 of visitor spending	change per 1,000 visits
Direct personal income	\$ 226	\$ 4,602
Direct value added	\$ 304	\$ 6,209
Direct jobs	0.009	0.182
Total personal income	\$ 327	\$ 6,677
Total value added	\$ 483	\$ 9,848
Total jobs	0.000	0.000

### OPTIONS TO PRINT RESULTS, GENERATE GRAPHS, SAVE WORKBOOK

1. **SAVING WORKBOOK:** You may save the workbook with the spending data, visits and multipliers you have chosen

Choose a new file name reflecting your application.

Do NOT overwrite the original REAS.XLS file.

**SAVE**

2. **PRINTING RESULTS:** Use buttons at the right or print any pages directly using Excel print commands.

Table 1 = Average spending by segment. (SPEND page)

Table 3 = Total Visitor Spending by segment. (TOTSP Page)

Table 2. Entries for Number of Visits by Segment

Table M . Multipliers

Print the Summary page

**Print SpendingTables 1 & 3**

**Print Economic Impact Summary**

**CHART  
HELP**

**CREATE  
ALL  
CHARTS**

**Print  
Charts**

### 3. CREATE OR PRINT CHARTS

Create individual charts by selecting the buttons below. Use the button at the right to create or print all of the charts. Note that some charts may require editing to clean them up for overlapping labels.

#### SPENDING:

**Chart 1: (bar) Average Spending Spending Category**

**Chart0**

**Chart 2: (bar) Average Spending by Segment**

**Chart 3: (pie) Trip Spending by Spending Category**

**Chart 4: (pie) Trip Spending by Segment**

**Chart 6: (bar) Total Spending by Segment**

#### VISITS:

**Chart 5: (pie) Visits by Segment Share**

**Chart 7: (bar) Total Trips by Segment**

Table D1. Visits by Segments for All CE Projects in 2006 (in person trips, 1,000s)

(Page 1 of 4, Table D1)

DIVISION	DISTRICT	Model No.	Project	Campers		Day users (inc. OVN) <sup>1</sup>		Other Overnight		Total
				Boater	Non-Boater	Boater	Non-Boater	Boaters	Non-Boater	
SPD	ALBUQUERQUE	341	ABIQUIU DAM	449	3,270	22,414	163,439	693	5,055	195,320
SWD	GALVESTON	402	ADDICKS DAM	0	0	0	4,561,894	0	141,089	4,702,983
SAD	MOBILE	319	ALABAMA RIVER LAKES DANNELLY	13,251	13,553	1,546,471	1,581,682	47,829	48,918	3,251,704
SPD	LOS ANGELES	360	ALAMO LAKE	0	0	14,890	47,153	461	1,458	63,962
NWD	SEATTLE	298	ALBENI FALLS DAM AND LAKE PEND OREILLE	698	6,252	24,606	220,471	761	6,819	259,606
SAD	MOBILE	321	ALLATOONA LAKE	34,894	69,831	1,947,307	3,896,951	60,226	120,524	6,129,733
NAD	BALTIMORE	184	ALMOND LAKE	853	1,846	42,434	91,893	1,312	2,842	141,180
LRD	HUNTINGTON	7	ALUM CREEK LAKE	1,045	14,420	188,634	2,601,813	5,834	80,468	2,892,215
NAD	BALTIMORE	185	ALVIN R BUSH - KETTLE CREEK	0	0	30,542	64,903	945	2,007	98,397
SWD	FORT WORTH	375	AQUILLA DAM & LAKE	117	329	21,106	59,545	653	1,842	83,591
SWD	TULSA	429	ARCADIA LAKE	848	5,202	83,592	512,642	2,585	15,855	620,724
MVD	VICKSBURG	130	ARKABUTLA LAKE	2,228	12,773	145,612	834,940	4,503	25,823	1,025,878
MVD	NEW ORLEANS	465	ATCH BASIN FLOODWAY	0	0	15,412	73,009	477	2,258	91,155
LRD	HUNTINGTON	8	ATWOOD LAKE	3,324	34,277	117,082	1,207,372	3,621	37,341	1,403,017
NAD	BALTIMORE	186	AYLESWORTH CREEK LAKE	0	0	0	14,031	0	434	14,465
SAD	WILMINGTON	335	B EVERETT JORDAN DAM AND LAKE	15,084	34,616	321,967	738,880	9,958	22,852	1,143,357
MVD	ST. PAUL	150	BALDHILL DAM LAKE ASHTABULA	2,057	5,293	38,501	99,052	1,191	3,063	149,157
NAD	NEW ENGLAND	195	BALL MOUNTAIN LAKE	0	5,550	0	91,413	0	2,827	99,790
POD	HONOLULU	466	BARBERS POINT	0	0	12,590	53,675	389	1,660	68,315
SWD	FORT WORTH	376	BARDWELL LAKE	1,001	6,749	17,855	120,344	552	3,722	150,223
LRD	NASHVILLE	81	BARKLEY LOCK AND DAM LAKE BARKLEY	5,775	22,425	600,321	2,330,935	18,567	72,091	3,050,114
NAD	NEW ENGLAND	196	BARRE FALLS DAM	0	0	819	87,258	25	2,699	90,801
LRD	LOUISVILLE	53	BARREN RIVER LAKE	2,656	18,629	149,519	1,048,553	4,624	32,429	1,256,411
MVD	VICKSBURG	131	BAYOU BODCAU RESERVOIR	325	1,675	23,334	120,435	722	3,725	150,215
LRD	HUNTINGTON	9	BEACH CITY LAKE	0	0	649	67,616	20	2,091	70,376
NWD	OMAHA	234	BEAR CREEK LAKE	74	5,726	4,648	361,352	144	11,176	383,120
SWD	LITTLE ROCK	405	BEAVER LAKE	11,357	28,930	729,761	1,858,961	22,570	57,494	2,709,072
LRD	HUNTINGTON	10	BEECH FORK LAKE	3,974	19,851	167,581	837,103	5,183	25,890	1,059,582
LRD	HUNTINGTON	11	BELLEVILLE LOCKS AND DAM <OHIO R>	0	0	103,737	541,392	3,208	16,744	665,081
SWD	FORT WORTH	377	BELTON LAKE	6,602	22,950	535,777	1,862,508	16,570	57,603	2,502,010
NAD	PHILADELPHIA	229	BELTZVILLE LAKE	0	0	138,405	257,038	4,281	7,950	407,673
SWD	FORT WORTH	378	BENBROOK LAKE	723	8,577	61,931	735,127	1,915	22,736	831,010
LRD	PITTSBURGH	102	BERLIN LAKE	8,100	12,401	191,191	292,715	5,913	9,053	519,373
NWD	OMAHA	235	BIG BEND DAM LAKE SHARPE	2,728	5,473	276,295	554,417	8,545	17,147	864,605
MVD	ST. PAUL	153	BIGSTONE LAKE WHETSTONE R	0	0	1,471	6,273	46	194	7,984
NAD	NEW ENGLAND	430	BIRCH HILL DAM	458	8,392	14,270	261,743	441	8,095	293,399
SWD	TULSA	197	BIRCH LAKE	110	1,484	2,954	39,729	91	1,229	45,597
SPD	SACRAMENTO	350	BLACK BUTTE LAKE	1,996	4,304	36,606	78,943	1,132	2,442	125,422
NAD	NEW ENGLAND	198	BLACK ROCK LAKE	0	0	727	76,602	22	2,369	79,720
SAD	MOBILE	322	BLACK WARRIOR AND TOMBIGBEE LAKES	5,821	9,229	1,436,872	2,277,895	44,439	70,450	3,844,707
NAD	NEW ENGLAND	199	BLACKWATER DAM	0	0	650	23,989	20	742	25,401
NAD	PHILADELPHIA	230	BLUE MARSH LAKE	0	0	100,490	330,243	3,108	10,214	444,054
SWD	LITTLE ROCK	406	BLUE MOUNTAIN LAKE	1,715	6,062	43,602	154,138	1,349	4,767	211,633
NWD	PORTLAND	280	BLUE RIVER LAKE	338	1,653	21,742	106,377	672	3,290	134,072
LRD	HUNTINGTON	12	BLUESTONE LAKE	856	31,811	34,954	1,299,160	1,081	40,180	1,408,042
LRD	HUNTINGTON	13	BOLIVAR DAM	0	0	282	148,366	9	4,589	153,246
MVD	NEW ORLEANS	467	BONNETT CARRE	73	1,373	7,158	134,591	221	4,163	147,580
NWD	PORTLAND	281	BONNEVILLE LOCK AND DAM	3,886	50,387	193,578	2,510,028	5,987	77,630	2,841,496
NWD	OMAHA	237	BOWMAN HALEY LAKE	118	832	4,441	31,204	137	965	37,698
SPD	LOS ANGELES	361	BREA DAM	0	0	0	672,325	0	20,794	693,119
SWD	TULSA	431	BROKEN BOW LAKE	691	11,059	47,623	762,285	1,473	23,576	846,706
LRD	LOUISVILLE	54	BROOKVILLE LAKE	2,836	12,453	98,017	430,378	3,031	13,311	560,026
LRD	LOUISVILLE	55	BUCKHORN LAKE	295	2,376	45,503	365,916	1,407	11,317	426,814
NAD	NEW ENGLAND	200	BUFFUMVILLE LAKE	0	0	17,109	119,871	529	3,707	141,216
SWD	LITTLE ROCK	407	BULL SHOALS LAKE	8,087	18,213	954,788	2,150,215	29,530	66,501	3,227,334
LRD	HUNTINGTON	14	BURNSVILLE LAKE	1,056	30,181	22,851	653,214	707	20,202	728,211
MVD	VICKSBURG	132	CADDO LAKE	0	0	239	29,301	7	906	30,454
LRD	LOUISVILLE	56	CAESAR CREEK LAKE	1,602	14,581	110,141	1,002,393	3,406	31,002	1,163,125
LRD	LOUISVILLE	57	CAGLES MILL LAKE	1,678	20,253	22,896	276,398	708	8,548	330,481
LRD	LOUISVILLE	58	CANNELTON LOCK AND DAM +OHIO RIVER	0	0	3,275	62,233	101	1,925	67,534
SWD	TULSA	432	CANTON LAKE	1,719	9,385	85,489	466,768	2,644	14,436	580,441
SWD	FORT WORTH	379	CANYON LAKE	7,244	17,606	133,142	323,606	4,118	10,008	495,724
NAD	NEW ENGLAND	201	CAPE COD CANAL	1,508	30,382	131,553	2,649,696	4,069	81,949	2,899,158
SAD	WILMINGTON	336	CAPE FEAR RIVER <3 LOCKS AND DAMS>	0	0	7,960	67,631	246	2,092	77,928
LRD	HUNTINGTON	15	CAPT ANTHONY MELDAHL LOCKS AND DAM <OHIO R>	1,017	2,532	41,707	103,868	1,290	3,212	153,627
SPD	LOS ANGELES	362	CARBON CANYON DAM	0	0	0	95,416	0	2,951	98,367
MVD	ST. LOUIS	175	CARLYLE LAKE	10,322	41,467	544,806	2,188,792	16,850	67,695	2,869,931
LRD	LOUISVILLE	59	CARR CREEK LAKE	295	3,318	48,250	542,329	1,492	16,773	612,458
SAD	MOBILE	323	CARTERS LAKE	3,382	5,439	200,425	322,332	6,199	9,969	547,745
LRD	LOUISVILLE	60	CAVE RUN LAKE	0	0	10,653	460,735	329	14,250	485,967
LRD	LOUISVILLE	61	CECIL M. HARDEN LAKE	2,820	14,598	190,184	984,515	5,882	30,449	1,228,448
LRD	NASHVILLE	82	CENTER HILL LAKE	6,393	14,748	965,722	2,227,804	29,868	68,901	3,313,437
LRD	HUNTINGTON	16	CHARLES MILL LAKE	1,185	55,491	20,697	969,576	640	29,987	1,077,575
NAD	NEW ENGLAND	202	CHARLES RIVER NATURAL VALLEY STORAGE PROJECT	0	0	48,408	157,232	1,497	4,863	212,000
NWD	OMAHA	239	CHATFIELD LAKE	598	9,755	130,586	2,128,693	4,039	65,836	2,339,508
LRD	NASHVILLE	83	CHEATHAM LOCK AND DAM	972	4,421	467,349	2,126,152	14,454	65,757	2,679,105
POD	ALASKA	312	CHENA RIVER LAKES	248	5,223	7,104	149,382	220	4,620	166,797
NWD	OMAHA	240	CHERRY CREEK LAKE	459	6,360	249,931	3,463,748	7,730	107,126	3,835,354
NWD	SEATTLE	299	CHIEF JOSEPH DAM AND RUFUS WOODS LAKE	560	2,192	37,666	147,423	1,165	4,559	193,565
SWD	TULSA	433	CHOUTEAU LOCK AND DAM 17	81	1,069	17,056	225,900	527	6,987	251,620
MVD	ST. LOUIS	176	CLARENCE CANNON DAM AND MARK TWAIN LAKE	22,047	35,516	917,000	1,477,255	28,361	45,688	2,525,867
LRD	LOUISVILLE	62	CLARENCE J BROWN DAM AND RESERVOIR	350	4,700	64,411	865,044	1,992	26,754	963,251
SWD	LITTLE ROCK	408	CLEARWATER LAKE	4,937	15,913	84,627	272,749	2,617	8,436	389,279
LRD	HUNTINGTON	17	CLENDENING LAKE	767	5,246	26,797	183,213	829	5,666	222,518
NWD	KANSAS CITY	263	CLINTON LAKE	5,074	39,588	181,835	1,418,825	5,624	43,881	1,694,826
SPD	ALBUQUERQUE	342	COCHITI LAKE	1,251	5,249	51,713	217,065	1,599	6,713	283,591
NWD	OMAHA	241	COLD BROOK LAKE	0	163	0	37,686	0	1,166	39,015
NAD	NEW ENGLAND	203	COLEBROOK RIVER LAKE	0	0	15,045	102,038	465	3,156	120,704
NAD	NEW ENGLAND	204	CONANT BROOK DAM	0	0	0	37,686	0	1,166	38,852
SPD	ALBUQUERQUE	343	CONCHAS LAKE	1,890	4,110	22,620	49,190	700	1,521	80,031
LRD	PITTSBURGH	103	CONEMAUGH RIVER LAKE	7	60	10,242	83,466	317	2,581	96,674
SWD	FORT WORTH	380	COOPER LAKE	3,500	7,690	65,442	143,772	2,024	4,447	226,875
SWD	TULSA	434	COPAN LAKE	437	3,654	9,543	79,812	295	2,468	96,209
MVD	ROCK ISLAND	169	CORALVILLE LAKE	8,633	22,267	292,942	755,527	9,060	23,367	1,111,796
LRD	NASHVILLE	84	CORDELL HULL DAM AND RESERVOIR	2,118	14,882	293,469	2,061,823	9,076	63,768	2,445,137
NWD	PORTLAND	282	COTTAGE GROVE LAKE	2,113	3,822	124,536	225,283	3,852	6,968	366,572
NWD	OMAHA	243	COTTONWOOD SPRINGS LAKE	0	900	0	10,772	0	333	12,005
NWD	PORTLAND	283	COUGAR LAKE	449	1,835	16,314	66,666	505	2,062	87,831
SWD	TULSA	435	COUNCIL GROVE	124	8,876	4,933	352,537	153	10,903	377,526
NAD	BALTIMORE	187	COWANESQUE LAKE	2,878	5,748	28,107	56,147	869	1,737	95,486
LRD	PITTSBURGH	104	CROOKED CREEK LAKE	82	792	29,183	282,266	903	8,730	321,955
MVD	ST. PAUL	155	CROSS LAKE - RESERVOIRS AT HEADWATERS OF MISS F	2,975	6,290	125,827	266,035	3,892	8,228	413,247
NAD	BALTIMORE	188	CURWENSVILLE LAKE	563	1,152	9,329	19,088	289	590	31,011
LRD	NASHVILLE	85	DALE HOLLOW LAKE	17,610	30,348	1,190,733	2,052,003	36,827	63,464	3,390,985
SWD	LITTLE ROCK	409	DARDANELLE LAKE - ARK.RIV.NAV.SYS	5,093	17,653	428,445	1,485,111	13,251	45,931	1,995,484
SWD	LITTLE ROCK	410	DAVID D. TERRY LOCK AND DAM - ARK.RIV.NAV.SYS	429	1,649	315,609	1,214,247	9,761	37,554	1,579,249
LRD	HUNTINGTON	18	DEER CREEK LAKE	263	11,337	51,747	2,227,844	1,600	68,902	2,361,694
MVD	VICKSBURG	133	DEGRAY LAKE	6,460	22,640	227,797	798,316	7,045	24,690	1,086,949
LRD	HUNTINGTON	19	DELAWARE LAKE	84						

Table D1. Visits by Segments for All CE Projects in 2006 (in person trips, 1,000s)

(Page 2 of 4, Table D1)

DIVISION	DISTRICT	Model No.	Project	Campers		Day users (inc. OVN) <sup>1</sup>		Other Overnight		Total
				Boater	Non-Boater	Boater	Non-Boater	Boaters	Non-Boater	
SWD	LITTLE ROCK	411	DEQUEEN LAKE	827	3,239	38,456	150,612	1,189	4,658	198,981
NWD	PORTLAND	285	DETROIT LAKE	6,082	9,468	70,746	110,144	2,188	3,407	202,035
LRD	HUNTINGTON	20	DEWEY LAKE	248	6,754	41,210	1,122,924	1,275	34,730	1,207,140
NWD	PORTLAND	286	DEXTER LAKE	0	0	436,155	198,899	13,489	6,152	654,694
SWD	LITTLE ROCK	412	DIERKS LAKE	1,039	5,774	20,184	112,169	624	3,469	143,259
LRD	HUNTINGTON	21	DILLON LAKE	75	9,675	9,288	1,196,955	287	37,019	1,253,300
NWD	PORTLAND	287	DORENA LAKE	2,591	6,532	114,807	289,444	3,551	8,952	425,876
LRD	HUNTINGTON	22	DOVER DAM	0	0	2,076	209,804	64	6,489	218,433
LRD	DETROIT	3	DULUTH-SUPERIOR HARBOR	0	0	0	1,269,422	0	39,260	1,308,682
NWD	WALLA WALLA	304	DWORSHAK DAM & RESERVOIR	3,719	6,131	48,358	79,709	1,496	2,465	141,878
LRD	PITTSBURGH	106	EAST BRANCH CLARION RIVER LAKE	385	144	142,141	53,349	4,396	1,650	202,066
NAD	NEW ENGLAND	205	EAST BRIMFIELD LAKE	0	0	10,499	95,764	325	2,962	109,549
LRD	HUNTINGTON	23	EAST LYNN LAKE	518	7,932	31,081	475,943	961	14,720	531,155
NAD	BALTIMORE	189	EAST SIDNEY LAKE	111	203	337	619	10	19	1,299
SPD	SACRAMENTO	351	EASTMAN LAKE	842	3,688	20,991	91,986	649	2,845	121,000
MVD	ST. PAUL	151	EAU GALLE FLOOD CONTROL PROJECT	68	2,282	3,558	119,981	110	3,711	129,710
NAD	NEW ENGLAND	206	EDWARD MACDOWELL LAKE	0	0	2,588	78,290	80	2,421	83,379
SWD	TULSA	436	EL DORADO LAKE	0	0	32,373	417,872	1,001	12,924	464,170
SWD	TULSA	437	ELK CITY LAKE	160	3,629	4,854	109,890	150	3,399	122,082
MVD	VICKSBURG	134	ENID LAKE	6,355	16,545	183,249	477,108	5,667	14,756	703,680
SWD	TULSA	438	EUFULA LAKE	3,064	17,586	348,229	1,998,329	10,770	61,804	2,439,782
NWD	PORTLAND	288	FALL CREEK LAKE	1,267	588	147,816	68,606	4,572	2,122	224,971
SWD	TULSA	439	FALL RIVER LAKE	44	1,886	1,730	74,824	54	2,314	80,851
SAD	WILMINGTON	337	FALLS LAKE	2,617	14,933	247,211	1,410,812	7,646	43,633	1,726,852
NWD	PORTLAND	289	FERN RIDGE LAKE	1,118	8,282	76,841	569,424	2,377	17,611	675,652
SWD	FORT WORTH	381	FERRELLS BRIDGE DAM LAKE O' THE PINES	7,220	17,530	207,346	503,472	6,413	15,571	757,552
LRD	HUNTINGTON	24	FISHTRAP LAKE	78	1,822	15,592	362,862	482	11,223	392,059
SWD	TULSA	440	FORT GIBSON LAKE	1,097	15,553	149,753	2,122,672	4,632	65,650	2,359,356
NWD	OMAHA	244	FORT PECK PROJECT	6,112	11,138	103,094	187,886	3,188	5,811	317,230
NWD	OMAHA	245	FORT RANDALL DAM LAKE FRANCIS CASE	3,735	6,382	71,237	121,712	2,203	3,764	209,034
SWD	TULSA	441	FORT SUPPLY LAKE	110	5,116	5,673	264,476	175	8,180	283,730
NAD	BALTIMORE	290	FOSTER JOSEPH SAYERS DAM	2,651	5,534	106,308	221,904	3,288	6,863	346,547
NWD	PORTLAND	190	FOSTER LAKE	794	2,172	138,455	378,747	4,282	11,714	536,164
NAD	PHILADELPHIA	231	FRANCIS E WALTER DAM	0	0	126,053	126,053	3,899	3,899	259,902
NAD	NEW ENGLAND	207	FRANKLIN FALLS DAM	0	0	1,523	97,375	47	3,012	101,957
SPD	LOS ANGELES	363	FULLERTON DAM	0	0	0	240,721	0	7,445	248,166
SPD	ALBUQUERQUE	344	GALISTEO DAM	0	68	0	6,610	0	204	6,882
NWD	OMAHA	246	GARRISON DAM LAKE SAKAKAWEA	18,602	26,298	416,765	589,184	12,890	18,222	1,081,961
NWD	OMAHA	247	GAVINS POINT PROJECT	5,936	53,964	141,078	1,282,518	4,363	39,666	1,527,525
SAD	MOBILE	324	GEORGE W. ANDREWS LAKE	154	196	103,456	130,925	3,200	4,049	241,980
SWD	LITTLE ROCK	413	GILLHAM LAKE	796	5,512	14,832	102,697	459	3,176	127,472
SWD	FORT WORTH	383	GRANGER LAKE	1,347	8,193	51,917	315,765	1,606	9,766	388,593
SWD	FORT WORTH	384	GRAPEVINE LAKE	3,500	23,055	288,178	1,898,304	8,913	58,710	2,280,660
LRD	HUNTINGTON	25	GRAYSON LAKE	512	8,739	66,919	1,143,189	2,070	35,356	1,256,785
SWD	TULSA	385	GREAT SALT PLAINS	19	1,731	1,613	146,378	50	4,527	154,318
NWD	PORTLAND	291	GREEN PETER LAKE	575	741	85,662	110,405	2,649	3,415	203,448
LRD	LOUISVILLE	63	GREEN RIVER LAKE	2,062	18,131	112,043	985,346	3,465	30,475	1,151,522
LRD	LOUISVILLE	64	GREENRIVER +2 LOCKS	0	0	1,612	21,417	50	662	23,741
LRD	LOUISVILLE	64	GREENRIVER +2 LOCKS	0	0	916	12,175	28	377	13,496
LRD	HUNTINGTON	26	GREENUP LOCKS AND DAM <OHIO R>	0	0	286,717	730,009	8,868	22,578	1,048,171
SWD	LITTLE ROCK	414	GREERS FERRY LAKE	38,593	150,866	2,722,709	10,643,559	84,207	329,182	13,969,117
MVD	VICKSBURG	136	GRENADA LAKE	3,152	14,148	355,294	1,594,728	10,988	49,321	2,027,632
MVD	ST. PAUL	155	GULL LAKE - RESERVOIRS AT HEADWATERS OF MISS R	4,234	6,515	180,887	278,334	5,594	8,608	484,172
NAD	NEW ENGLAND	208	HANCOCK BROOK LAKE	0	0	384	36,944	12	1,143	38,483
SPD	LOS ANGELES	364	HANSEN DAM	0	0	0	1,474,400	0	45,600	1,520,000
NWD	KANSAS CITY	264	HARLAN COUNTY LAKE	8,267	20,833	127,437	321,128	3,941	9,932	491,538
SPD	SACRAMENTO	352	HARRY L ENGLEBRIGHT LAKE	1,192	3,758	124,914	393,615	3,863	12,174	539,516
NWD	KANSAS CITY	265	HARRY S TRUMAN DAM AND RESERVOIR	38,716	21,684	786,653	440,575	24,329	13,626	1,325,583
SAD	SAVANNAH	331	HARTWELL LAKE	36,386	61,321	3,786,992	6,382,160	117,123	197,386	10,581,370
SPD	SACRAMENTO	353	HENSLEY LAKE	1,076	2,927	38,070	103,560	1,177	3,203	150,014
SWD	TULSA	442	HEYBURN LAKE	163	2,083	5,666	72,374	175	2,238	82,699
NWD	PORTLAND	292	HILLS CREEK	0	0	244	5,851	8	181	6,283
NWD	KANSAS CITY	266	HILLSDALE LAKE	3,583	6,417	82,435	147,638	2,550	4,566	247,189
NAD	NEW ENGLAND	209	HODGES VILLAGE DAM	0	0	1,131	102,670	35	3,175	107,012
MVD	ST. PAUL	152	HOMME LAKE	196	436	14,069	31,316	435	969	47,420
NAD	NEW ENGLAND	210	HOP BROOK LAKE	0	0	6,393	128,202	198	3,965	138,758
NAD	NEW ENGLAND	211	HOPKINTON-EVERETT LAKE	0	0	4,119	463,979	127	14,350	482,576
SWD	FORT WORTH	386	HORDS CREEK LAKE	1,026	17,564	33,041	565,521	1,022	17,490	635,664
SWD	TULSA	443	HUGO LAKE	638	5,758	46,572	420,548	1,440	13,007	487,963
SWD	TULSA	444	HULAH LAKE	19	331	3,566	61,499	110	1,902	67,427
NWD	WALLA WALLA	305	ICE HARBOR LOCK & DAM, LAKE SACAJAWEA	1,883	7,234	64,567	248,107	1,997	7,673	331,462
MVD	ROCK ISLAND	171	ILLINOIS WATERWAY	0	0	0	68,091	0	2,106	70,197
NAD	PHILADELPHIA	232	IWW DELAWARE R TO CHESAPEAKE BAY C + D CANAL	0	0	129,253	69,598	3,998	2,153	205,000
LRD	NASHVILLE	86	J PERCY PRIEST DAM AND RESERVOIR	2,552	15,498	964,860	5,858,763	29,841	181,199	7,052,713
LRD	LOUISVILLE	65	J. EDWARD ROUSH LAKE	227	6,273	10,156	280,849	314	8,686	306,505
SAD	SAVANNAH	332	J. STROM THURMOND LAKE	39,720	111,767	1,843,735	5,188,054	57,023	160,455	7,400,753
SPD	ALBUQUERQUE	345	JEMEZ CANYON DAM	0	0	0	24,200	0	748	24,948
NAD	BALTIMORE	191	JENNINGS RANDOLPH LAKE	1,744	2,806	46,197	74,296	1,429	2,298	128,770
SWD	FORT WORTH	387	JOE POOL LAKE	18,835	20,250	391,188	420,574	12,099	13,007	875,954
NWD	PORTLAND	293	JOHN DAY LOCK AND DAM, LAKE UMATILLA	2,876	6,797	453,073	1,070,885	14,013	33,120	1,580,763
SAD	WILMINGTON	338	JOHN H KERR DAM AND RESERVOIR	19,282	34,911	571,403	1,034,565	17,672	31,997	1,709,830
SPD	ALBUQUERQUE	346	JOHN MARTIN DAM	1,168	12,782	10,858	118,864	336	3,676	147,684
SWD	LITTLE ROCK	415	JOHN PAUL HAMMERSCHMIDT LAKE	86	1,151	28,675	383,913	887	11,874	426,585
SWD	TULSA	445	JOHN REDMOND RESERVOIR	29	2,185	1,532	113,670	47	3,516	120,979
LRD	LOUISVILLE	66	JOHN T. MYERS LOCK AND DAM	0	0	9,687	184,048	300	5,692	199,727
LRD	HUNTINGTON	27	JOHN W FLANNAGAN DAM AND RESERVOIR	303	4,297	35,642	505,206	1,102	15,625	562,175
NWD	KANSAS CITY	267	KANOPOLIS LAKE	1,910	16,890	17,417	154,008	539	4,763	195,526
MVD	ST. LOUIS	180	KASKASKIA LOCK - KASKASKIA RIVER NAVIGATION IL	3,048	200	354,236	23,294	10,956	720	392,454
SWD	TULSA	446	KAW LAKE	745	8,449	17,582	199,485	544	6,170	232,974
LRD	DETROIT	4	KEWEENAW WATERWAY	0	0	1,412	12,711	44	393	14,560
NWD	SEATTLE	447	KEYSTONE HARBOR	328	983	110,763	332,288	3,426	10,277	458,064
SWD	TULSA	300	KEYSTONE LAKE	4,202	26,248	160,849	1,004,723	4,975	31,074	1,232,071
LRD	PITTSBURGH	111	KINZUA DAM AND ALLEGHENY RESERVOIR	802	3,008	49,619	186,101	1,535	5,756	246,820
NAD	NEW ENGLAND	212	KNIGHTVILLE DAM	23	1,626	704	49,971	22	1,545	53,891
MVD	ST. PAUL	153	LAC QUI PARLE LAKE	1	185	1,521	256,339	47	7,928	266,022
SWD	FORT WORTH	382	LAKE GEORGETOWN	5,068	18,020	78,046	277,515	2,414	8,583	389,645
MVD	VICKSBURG	135	LAKE GREESON	9,057	30,543	82,679	278,837	2,557	8,624	412,297
SPD	SACRAMENTO	354	LAKE KAWEAH	1,618	3,153	130,697	254,727	4,042	7,878	402,116
SPD	SAN FRANCISCO	372	LAKE MENDOCINO	4,128	14,603	94,270	333,453	2,916	10,313	459,683
SAD	JACKSONVILLE	317	LAKE OKEECHOBEE AND WATERWAY	13,446	34,735	1,538,120	3,973,363	47,571	122,888	5,730,122
MVD	VICKSBURG	137	LAKE OUACHITA	14,401	29,787	369,348	763,969	11,423	23,628	1,212,556
MVD	ROCK ISLAND	173	LAKE RED ROCK	3,142	30,787	50,077	490,712	1,549	15,177	591,444
SAD	MOBILE	326	LAKE SEMINOLE	7,282	10,068	491,048	678,949	15,187	20,998	1,223,532
MVD	ST. LOUIS	182	LAKE SHELBYVILLE	15,667	85,021	550,593	2,987,920	17,029	92,410	3,748,639
SAD	MOBILE	327	LAKE SIDNEY LANIER	29,555	48,324	2,751,380	4,498,633	85,094	139,133	7,552,119
SPD	SAN FRANCISCO	374	LAKE SONOMA	2,587	4,859	159,357	299,356	4,929	9,258	480,345
MVD	ST. PAUL	168	LAKE TRAVERSE	9	39	12,194	51,183	377	1,583	65,385
NWD	SEATTLE	303	LAKE WASHINGTON SHIP CANAL	0	0	152,750	1,045,291	4,724	32,329	1,235,094
LRD	NASHVILLE	87	LAUREL RIVER LAKE	0	0					

Table D1. Visits by Segments for All CE Projects in 2006 (in person trips, 1,000s)

(Page 3 of 4, Table D1)

DIVISION	DISTRICT	Model No.	Project	Campers		Day users (inc. OVN) <sup>1</sup>		Other Overnight		Total
				Boater	Non-Boater	Boater	Non-Boater	Boaters	Non-Boater	
MVD	ST. PAUL	155	LEECH LAKE - RESERVOIRS AT HEADWATERS OF MISS R	5,040	7,365	147,991	216,249	4,577	6,688	387,910
LRD	HUNTINGTON	28	LEESVILLE LAKE	129	813	3,142	19,840	97	614	24,634
SWD	FORT WORTH	389	LEWISVILLE LAKE	9,319	32,733	833,760	2,928,695	25,786	90,578	3,920,871
NWD	SEATTLE	301	LIBBY DAM AND LAKE KOOCANUSA	254	996	28,429	111,617	879	3,452	145,628
NWD	WALLA WALLA	306	LITTLE GOOSE LOCK & DAM, LAKE BRYAN	2,058	4,542	55,452	122,393	1,715	3,785	189,946
NAD	NEW ENGLAND	213	LITTLEVILLE LAKE	0	0	4,535	27,003	140	835	32,514
LRD	HUNTINGTON	29	LONDON LOCKS AND DAM <KANAWHA RIVER>	0	0	0	364	0	11	375
NWD	KANSAS CITY	268	LONG BRANCH LAKE	1,283	2,867	44,399	99,193	1,373	3,068	152,183
NWD	KANSAS CITY	269	LONGVIEW LAKE	830	6,492	111,009	867,904	3,433	26,842	1,016,511
NWD	PORTLAND	294	LOOKOUT POINT LAKE	168	243	36,793	53,385	1,138	1,651	93,378
NWD	PORTLAND	295	LOST CREEK LAKE	4,138	6,145	169,602	251,874	5,245	7,790	444,794
NWD	WALLA WALLA	307	LOWER GRANITE LOCK & DAM	4,871	12,008	451,841	1,113,790	13,974	34,447	1,630,932
NWD	WALLA WALLA	308	LOWER MONUMENTAL LOCK & DAM, LAKE WEST	2,397	5,903	38,156	93,964	1,180	2,906	144,506
LRD	PITTSBURGH	112	LOYALHANNA LAKE	87	1,113	14,210	181,519	439	5,614	202,983
NWD	WALLA WALLA	309	LUCKY PEAK LAKE	5,725	6,453	520,586	586,808	16,101	18,149	1,153,821
LRD	PITTSBURGH	113	MAHONING CREEK LAKE	800	4,242	12,504	66,336	387	2,052	86,319
NAD	NEW ENGLAND	214	MANSFIELD HOLLOW LAKE	0	0	51,259	208,148	1,585	6,438	267,430
SWD	TULSA	448	MARION RESERVOIR	695	7,905	30,372	345,522	939	10,686	396,120
LRD	LOUISVILLE	68	MARKLAND LOCK AND DAM +OHIO RIVER	120	451	55,250	207,844	1,709	6,428	271,801
LRD	HUNTINGTON	30	MARMET LOCKS AND DAM <KANAWHA RIVER>	0	0	0	58,894	0	1,821	60,715
LRD	NASHVILLE	88	MARTINS FORK LAKE	38	219	28,399	164,530	878	5,089	199,154
SPD	SACRAMENTO	355	MARTIS CREEK LAKE	122	2,926	3,237	77,697	100	2,403	86,485
LRD	LOUISVILLE	69	MCALPINE LOCK AND DAM +OHIO RIVER	0	0	6,465	101,281	200	3,132	111,078
NWD	WALLA WALLA	310	MCNARY LOCK & DAM, LAKE WALLULA	588	5,645	360,125	3,454,759	11,138	106,848	3,939,103
NWD	KANSAS CITY	270	MELVERN LAKE	7,233	20,867	65,627	189,334	2,030	5,856	290,947
LRD	PITTSBURGH	115	MICHAEL J KIRWAN DAM AND RESERVOIR	1,114	3,340	43,819	131,388	1,355	4,064	185,079
NWD	KANSAS CITY	271	MILFORD LAKE	16,608	55,042	137,029	454,123	4,238	14,045	681,085
NWD	WALLA WALLA	311	MILL CREEK LAKE	0	0	20,776	231,666	643	7,165	260,250
SWD	LITTLE ROCK	416	MILLWOOD LAKE	4,574	10,826	131,186	310,517	4,057	9,604	470,763
LRD	LOUISVILLE	70	MISSISSINAWA LAKE	2,175	25,117	35,551	410,512	1,100	12,696	487,151
MVD	ST. PAUL	154	MISSISSIPPI RIVER POOL U+L ST ANTHONY FALLS	0	0	12,078	68,442	374	2,117	83,010
MVD	ST. PAUL	156	MISSISSIPPI RIVER POOL NO 1	0	0	20,373	81,490	630	2,520	105,013
MVD	ST. PAUL	157	MISSISSIPPI RIVER POOL NO 2	0	0	213,906	261,441	6,616	8,086	490,049
MVD	ST. PAUL	158	MISSISSIPPI RIVER POOL NO 3	0	0	436,544	291,029	13,501	9,001	750,075
MVD	ST. PAUL	159	MISSISSIPPI RIVER POOL NO 4	788	263	919,617	306,539	28,442	9,481	1,265,129
MVD	ST. PAUL	160	MISSISSIPPI RIVER POOL NO 5	0	0	243,379	104,305	7,527	3,226	358,437
MVD	ST. PAUL	161	MISSISSIPPI RIVER POOL NO 5A	0	0	238,644	159,096	7,381	4,920	410,041
MVD	ST. PAUL	162	MISSISSIPPI RIVER POOL NO 6	0	0	548,842	295,530	16,974	9,140	870,487
MVD	ST. PAUL	163	MISSISSIPPI RIVER POOL NO 7	0	0	309,180	132,506	9,562	4,098	455,346
MVD	ST. PAUL	164	MISSISSIPPI RIVER POOL NO 8	15,210	8,190	595,261	320,525	18,410	9,913	967,509
MVD	ST. PAUL	165	MISSISSIPPI RIVER POOL NO 9	2,487	7,713	161,631	501,335	4,999	15,505	693,670
MVD	ST. PAUL	166	MISSISSIPPI RIVER POOL NO 10	1,111	9,311	86,771	727,218	2,684	22,491	849,586
MVD	ROCK ISLAND	172	MISSISSIPPI RIVER POOLS 11-22 (10 L&D)	4,423	28,461	1,711,761	11,015,083	52,941	340,673	13,153,341
LRD	HUNTINGTON	31	MOHAWK DAM	62	488	3,835	30,011	119	928	35,443
LRD	HUNTINGTON	32	MOHICANVILLE DAM	0	0	9	5,459	0	169	5,637
SPD	LOS ANGELES	365	MOJAVE RIVER DAM	0	0	0	6,821	0	211	7,032
LRD	LOUISVILLE	71	MONROE LAKE	5,521	24,929	169,701	766,320	5,248	23,701	995,420
LRD	PITTSBURGH	118	MOSQUITO CREEK LAKE	2,268	9,515	188,707	791,588	5,836	24,482	1,022,396
LRD	BUFFALO	2	MT MORRIS LAKE	0	0	25,623	109,234	792	3,378	139,028
NWD	SEATTLE	302	MUD MOUNTAIN DAM PROJECT WHITE RIVER	0	0	0	82,161	0	2,541	84,702
SWD	LITTLE ROCK	417	MURRAY LOCK AND DAM - ARK.RIV.NAV.SYS	1,644	11,895	80,338	581,422	2,485	17,982	695,765
SWD	FORT WORTH	390	NAVARRO MILLS LAKE	1,107	11,643	46,328	487,407	1,433	15,074	562,993
SPD	SACRAMENTO	356	NEW HOGAN LAKE	4,693	13,015	51,556	142,996	1,595	4,423	218,278
SAD	SAVANNAH	333	NEW SAVANNAH BLUFF LOCK AND DAM	0	0	42,429	281,457	1,312	8,705	333,903
LRD	LOUISVILLE	72	NEWBURGH LOCK AND DAM +OHIO RIVER	0	0	14,131	187,739	437	5,806	208,113
SWD	TULSA	449	NEWT GRAHAM LOCK AND DAM 18	70	980	17,512	244,647	542	7,566	271,317
SWD	LITTLE ROCK	418	NIMROD LAKE	1,446	5,562	54,921	211,297	1,699	6,535	281,459
LRD	LOUISVILLE	73	NOLIN RIVER LAKE	3,470	15,380	357,902	1,586,160	11,069	49,057	2,023,038
SWD	LITTLE ROCK	419	NORFORK LAKE	11,690	13,208	615,498	695,467	19,036	21,509	1,376,409
SWD	LITTLE ROCK	420	NORRELL LOCK AND DAM - ARK.RIV.NAV.SYS	4	4	6,876	8,506	213	263	15,866
LRD	HUNTINGTON	33	NORTH BRANCH KOKOSING RIVER LAKE	235	1,865	22,085	174,929	683	5,410	205,208
LRD	HUNTINGTON	34	NORTH FORK OF POUND RIVER LAKE	0	0	152	101,385	5	3,136	104,678
NAD	NEW ENGLAND	215	NORTH HARTLAND LAKE	0	0	126	105,124	4	3,251	108,505
NAD	NEW ENGLAND	216	NORTH SPRINGFIELD LAKE	0	0	38	29,314	1	907	30,260
NAD	NEW ENGLAND	217	NORTHFIELD BROOK LAKE	0	0	0	52,896	0	1,636	54,532
SWD	FORT WORTH	391	O.C. FISHER LAKE	27	745	4,700	130,362	145	4,032	140,011
NWD	OMAHA	250	OAHE DAM LAKE OAHE	7,820	24,415	66,420	207,363	2,054	6,413	314,485
SAD	MOBILE	325	OKATIBBEE LAKE	1,062	12,143	59,970	685,929	1,855	21,214	782,173
LRD	NASHVILLE	89	OLD HICKORY LOCK AND DAM	9,735	23,199	2,439,368	5,812,892	75,444	179,780	8,540,419
MVD	NEW ORLEANS	468	OLD RIVER (LA)	0	0	1,704	7,265	53	225	9,246
SWD	TULSA	450	OLOGAH LAKE	739	6,183	89,610	749,433	2,771	23,178	871,915
SWD	TULSA	451	OPTIMA LAKE	0	0	162	18,908	5	585	19,660
MVD	ST. PAUL	167	ORWELL LAKE	0	0	2,739	5,464	85	169	8,456
NAD	NEW ENGLAND	218	OTTER BROOK LAKE	0	0	94	29,318	3	907	30,322
MVD	VICKSBURG	138	OUACHITA-BLACK RIVERS (4 L&D, CALION POOL)	0	0	18,396	13,586	569	420	32,971
MVD	VICKSBURG	140	OUACHITA-BLACK RIVERS (4 L&D, COLUMBIA POOL)	464	657	60,610	85,898	1,875	2,657	152,160
MVD	VICKSBURG	139	OUACHITA-BLACK RIVERS (4 L&D, FELSENTHAL POOL)	5,107	3,343	100,787	65,969	3,117	2,040	180,363
MVD	VICKSBURG	141	OUACHITA-BLACK RIVERS (4 L&D, JONESVILLE POOL)	146	579	67,975	269,369	2,102	8,331	348,502
SWD	LITTLE ROCK	421	OZARK LAKE - ARK.RIV.NAV.SYS	920	6,815	55,566	411,765	1,719	12,735	489,519
LRD	HUNTINGTON	35	PAINT CREEK LAKE	1,022	20,548	63,042	1,266,960	1,950	39,184	1,392,707
SPD	LOS ANGELES	366	PAINTED ROCK DAM	0	0	0	0	0	0	0
LRD	HUNTINGTON	36	PAINTSVILLE LAKE	62	436	135,112	950,123	4,179	29,385	1,119,296
NWD	OMAHA	261	PAPILLION CREEK AND TRIBUTARIES LAKES NE	271	5,015	42,863	792,667	1,326	24,515	866,657
SWD	TULSA	452	PAT MAYSE LAKE	289	10,361	6,799	244,083	210	7,549	269,291
LRD	LOUISVILLE	74	PATOKA LAKE	2,430	15,116	84,797	527,459	2,623	16,313	648,738
MVD	VICKSBURG	142	PEARL RIVER (3 LOCKS AND DAMS)	0	0	25,059	100,236	775	3,100	129,171
SWD	TULSA	453	PEARSON-SKUBITZ BIG HILL LAKE	532	4,568	19,852	170,487	614	5,273	201,326
NWD	KANSAS CITY	272	PERRY LAKE	16,943	45,808	184,872	499,839	5,718	15,459	768,637
SAD	WILMINGTON	339	PHILPOTT LAKE	2,773	9,677	139,717	487,660	4,321	15,082	659,230
LRD	HUNTINGTON	37	PIEDMONT LAKE	881	5,294	23,903	143,604	739	4,441	178,863
SWD	TULSA	454	PINE CREEK LAKE	1,367	8,383	38,693	237,291	1,197	7,339	294,270
SPD	SACRAMENTO	357	PINE FLAT LAKE	4,812	4,188	197,894	172,209	6,120	5,326	390,549
NWD	OMAHA	253	PIPESTEM LAKE	57	846	3,768	56,142	117	1,736	62,666
LRD	HUNTINGTON	38	PLEASANT HILL LAKE	210	19,990	8,295	789,348	257	24,413	842,513
MVD	ST. PAUL	155	POKEGEMA LAKE - RESERVOIRS AT HEADWATERS OF M	3,499	7,619	104,821	228,261	3,242	7,060	354,501
NWD	KANSAS CITY	273	POMME DE TERRE LAKE	15,437	19,727	735,673	940,119	22,753	29,076	1,762,784
NWD	KANSAS CITY	274	POMONA LAKE	6,412	18,703	126,847	370,007	3,923	11,444	537,335
SWD	LITTLE ROCK	422	POOL 3 LOCK AND DAM - ARK.RIV.NAV.SYS	261	1,189	9,918	45,089	307	1,395	58,158
SWD	LITTLE ROCK	423	POOL 4 LOCK AND DAM - ARK.RIV.NAV.SYS	120	276	97,262	222,995	3,008	6,897	330,558
SWD	LITTLE ROCK	424	POOL 5 LOCK AND DAM - ARK.RIV.NAV.SYS	606	2,130	38,981	137,084	1,206	4,240	184,246
MVD	NEW ORLEANS	469	PORT ALLEN LOCK	0	0	1,222	5,208	38	161	6,629
SPD	LOS ANGELES	367	PRADO DAM	0	3,750	0	2,350,941	0	72,710	2,427,400
SWD	FORT WORTH	392	PROCTOR LAKE	3,358	7,442	84,528	187,354	2,614	5,794	291,091
NAD	PHILADELPHIA	233	PROMPTON LAKE	0	0	28,052	7,013	868	217	36,150
LRD	HUNTINGTON	39	R D BAILEY LAKE	346	4,354	33,153	417,291	1,025	12,906	469,075
LRD	HUNTINGTON	40	RACINE LOCKS AND DAM <OHIO R>	0	0	2,872	5,830	89	180	8,971
NWD	KANSAS CITY	275	RATHBUN LAKE	5,161	27,689	103,930	557,623	3,214	17,246	714,863
SWD	FORT WORTH	393	RAY ROBERTS LAKE	5,928	17,672	487,995	1,454,662	15,093	44,990	2,026,339
NAD	BALTIMORE	192	RAYSTOWN LAKE	8,619	21					

Table D1. Visits by Segments for All CE Projects in 2006 (in person trips, 1,000s)

(Page 4 of 4, Table D1)

DIVISION	DISTRICT	Model No.	Project	Campers		Day users (inc. OVN) <sup>1</sup>		Other Overnight		Total
				Boater	Non-Boater	Boater	Non-Boater	Boaters	Non-Boater	
MVD	ST. LOUIS	178	REND LAKE	12,576	26,724	966,302	2,053,392	29,886	63,507	3,152,386
SAD	SAVANNAH	334	RICHARD B RUSSELL DAM AND LAKE	2,846	3,554	398,965	498,190	12,339	15,408	931,302
MVD	ST. LOUIS	179	RIVERS PROJECT - ILLINOIS RIVER	0	0	41,488	77,050	1,283	2,383	122,204
MVD	ST. LOUIS	180	RIVERS PROJECT - LOWER RIVER	0	0	206,583	383,655	6,389	11,866	608,493
MVD	ST. LOUIS	181	RIVERS PROJECT - UPPER RIVER	0	0	1,033,277	1,549,915	31,957	47,936	2,663,084
LRD	HUNTINGTON	41	ROBERT C. BYRD LOCKS AND DAM <OHIO R>	0	0	9,576	55,525	296	1,717	67,115
SWD	TULSA	394	ROBERT S. KERR, LOCK AND DAM 15	89	4,432	13,037	652,137	403	20,169	690,267
SWD	LITTLE ROCK	425	ROCKEFELLER LAKE-ORMAND L & D-ARK.RIV.NAV.SYS	362	2,659	37,805	277,764	1,169	8,591	328,350
LRD	LOUISVILLE	75	ROUGH RIVER LAKE	3,813	22,287	249,095	1,455,866	7,704	45,027	1,783,792
SPD	SAN FRANCISCO	373	S F BAY MODEL REGIONAL VISITOR CENTER	0	0	1,028	101,751	32	3,147	105,957
LRD	LOUISVILLE	76	SALAMONIE LAKE	2,122	26,868	30,792	389,862	952	12,058	462,654
SPD	LOS ANGELES	368	SALINAS DAM SANTA MARGARITA LAKE	72	228	16,226	51,383	502	1,589	70,000
NWD	OMAHA	254	SALT CREEK AND TRIBUTARIES NE	4,114	23,386	102,850	584,648	3,181	18,082	736,260
SWD	FORT WORTH	395	SAM RAYBURN RESERVOIR	15,944	22,633	732,896	1,040,383	22,667	32,177	1,866,699
MVD	ST. PAUL	155	SANDY LAKE - RESERVOIRS AT HEADWATERS OF MISS R	1,935	12,148	24,559	154,182	760	4,769	198,352
SPD	LOS ANGELES	369	SANTA FE DAM	0	0	0	754,526	0	23,336	777,862
SPD	ALBUQUERQUE	347	SANTA ROSA DAM AND LAKE	747	11,147	3,680	54,915	114	1,698	72,301
SWD	TULSA	455	SARDIS LAKE TULSA	192	2,466	7,155	92,087	221	2,848	104,969
MVD	VICKSBURG	144	SARDIS LAKE VICKSBURG	5,397	11,353	528,624	1,112,047	16,349	34,393	1,708,163
MVD	ROCK ISLAND	174	SAYLORVILLE LAKE	5,153	28,094	176,289	961,060	5,452	29,723	1,205,772
LRD	HUNTINGTON	42	SENECAVILLE LAKE	2,813	43,761	100,247	1,559,468	3,100	48,231	1,757,620
SPD	LOS ANGELES	370	SEPULVEDA DAM	0	0	0	2,231,000	0	69,000	2,300,000
LRD	PITTSBURGH	123	SHENANGO RIVER LAKE	6,550	15,890	167,800	407,055	5,190	12,589	615,074
SWD	TULSA	456	SKIATOOK LAKE	445	5,862	31,512	415,462	975	12,849	467,104
LRD	LOUISVILLE	77	SMITHLAND LOCK AND DAM +OHIO RIVER	0	0	309	4,105	10	127	4,550
NWD	KANSAS CITY	276	SMITHVILLE LAKE	20,993	38,647	438,708	807,622	13,568	24,978	1,344,516
SWD	FORT WORTH	396	SOMERVILLE LAKE	13,882	44,347	279,429	892,672	8,642	27,608	1,266,580
LRD	DETROIT	5	ST MARYS RIVER	0	0	0	694,470	0	21,478	715,948
SPD	SACRAMENTO	358	STANISLAUS RIVER PARKS	386	1,446	71,621	268,299	2,215	8,298	352,265
SWD	FORT WORTH	397	STILLHOUSE HOLLOW RESERVOIR	1,346	5,183	189,380	729,495	5,857	22,562	953,823
NWD	KANSAS CITY	277	STOCKTON LAKE	9,616	18,834	353,993	693,323	10,948	21,443	1,108,157
LRD	PITTSBURGH	124	STONEWALL JACKSON LAKE	1,665	2,319	326,066	454,184	10,085	14,047	808,366
LRD	DETROIT	6	STURGEON BAY AND LAKE MICHIGAN SHIP CANAL	0	0	0	13,008	0	402	13,410
SPD	SACRAMENTO	359	SUCCESS LAKE	2,250	8,150	59,148	214,305	1,829	6,628	292,310
LRD	HUNTINGTON	43	SUMMERSVILLE LAKE	2,046	12,954	113,837	720,743	3,521	22,291	875,391
NAD	NEW ENGLAND	219	SURRY MOUNTAIN LAKE	0	0	213	55,820	7	1,726	57,766
LRD	HUNTINGTON	44	SUTTON LAKE	484	11,966	18,639	460,508	576	14,243	506,416
SWD	LITTLE ROCK	426	TABLE ROCK LAKE	13,274	62,403	907,593	4,266,824	28,070	131,964	5,410,127
LRD	HUNTINGTON	45	TAPPAN LAKE	4,542	32,384	130,214	928,433	4,027	28,714	1,128,314
LRD	LOUISVILLE	78	TAYLORSVILLE LAKE	870	3,642	151,804	635,560	4,695	19,657	816,227
SWD	TULSA	457	TENKILLER FERRY LAKE	7,129	41,071	349,481	2,013,472	10,809	62,272	2,484,234
SAD	MOBILE	328	TENNESSEE-TOMBIGBEE WATERWAY	16,378	34,867	850,277	1,810,165	26,297	55,984	2,793,969
SWD	TULSA	458	TEXOMA LAKE	22,745	81,305	1,264,615	4,520,448	39,112	139,808	6,068,032
NWD	PORTLAND	284	THE DALLES LOCK AND DAM, LAKE CEILO	1,062	3,219	305,791	926,740	9,457	28,662	1,274,931
NAD	NEW ENGLAND	220	THOMASTON DAM	0	0	0	148,964	0	4,607	153,571
NAD	BALTIMORE	193	TIOGA-HAMMOND LAKES	1,307	11,334	19,149	166,042	592	5,135	203,559
LRD	PITTSBURGH	125	TIONESTA LAKE	1,349	10,301	54,313	414,712	1,680	12,826	495,181
SWD	LITTLE ROCK	427	TOAD SUCK FERRY LOCK AND DAM-ARK.RIV.NAV.SYS	786	4,673	66,583	396,119	2,059	15,251	482,471
LRD	HUNTINGTON	46	TOM JENKINS DAM AND BURR OAK LAKE	1	768	36	45,288	1	1,401	47,495
SWD	TULSA	459	TORONTO LAKE	417	3,083	11,748	86,892	363	2,687	105,191
SWD	FORT WORTH	398	TOWN BLUFF DAM B.A. STEINHAGEN LAKE	3,165	15,335	35,856	173,707	1,109	5,372	234,544
NAD	NEW ENGLAND	221	TOWNSHEND LAKE	0	0	372	78,736	11	2,435	81,554
SPD	ALBUQUERQUE	348	TRINIDAD LAKE	53	3,347	6,278	393,601	194	12,173	415,647
NAD	NEW ENGLAND	222	TULLY LAKE	41	1,709	882	36,486	27	1,128	40,274
NWD	KANSAS CITY	278	TUTTLE CREEK LAKE	145	2,405	29,815	494,177	922	15,284	542,748
SPD	ALBUQUERQUE	349	TWO RIVERS DAM	0	19	0	1,647	0	51	1,717
LRD	PITTSBURGH	126	TYGART LAKE	715	2,766	82,610	319,581	2,555	9,884	418,111
LRD	PITTSBURGH	127	UNION CITY DAM	0	0	0	29,918	0	925	30,843
NAD	NEW ENGLAND	223	UNION VILLAGE DAM	0	0	0	40,030	0	1,238	41,268
SAD	WILMINGTON	340	W KERR SCOTT DAM AND RESERVOIR	2,935	7,265	260,696	645,441	8,063	19,962	944,362
SWD	FORT WORTH	399	WACO LAKE	3,607	11,297	301,424	944,131	9,322	29,200	1,298,982
MVD	VICKSBURG	145	WALLACE LAKE	0	0	0	26,419	0	817	27,236
SWD	GALVESTON	404	WALLISVILLE RESERVOIR	0	0	24,358	127,880	753	3,955	156,946
SAD	MOBILE	329	WALTER F. GEORGE LAKE	14,635	23,211	1,614,067	2,559,885	49,920	79,172	4,340,890
MVD	ST. LOUIS	183	WAPPAPELLO LAKE	6,872	15,528	552,458	1,248,253	17,086	38,606	1,878,803
SWD	TULSA	461	WAURIKA LAKE	1,283	7,070	70,745	389,836	2,188	12,057	483,179
SWD	TULSA	462	WD MAYO LOCK AND DAM 14	0	0	12,286	135,383	380	4,187	152,236
SWD	TULSA	463	WEBBERS FALLS LOCK AND DAM 16	96	1,509	30,868	483,602	955	14,957	531,987
LRD	LOUISVILLE	79	WEST FORK OF MILL CREEK LAKE	5	4,795	688	624,784	21	19,323	649,617
NAD	NEW ENGLAND	224	WEST HILL DAM	0	0	652	45,945	20	1,421	48,038
SAD	MOBILE	330	WEST POINT PROJECT	17,130	41,898	912,550	2,232,005	28,223	69,031	3,300,836
NAD	NEW ENGLAND	225	WEST THOMPSON LAKE	262	938	25,223	90,160	780	2,788	120,151
NAD	NEW ENGLAND	226	WESTVILLE LAKE	0	0	1,107	55,072	34	1,703	57,916
SWD	FORT WORTH	400	WHITNEY LAKE	5,493	32,707	128,601	765,704	3,977	23,682	960,164
NAD	BALTIMORE	194	WHITNEY POINT	5	10	22,863	49,558	707	1,533	74,676
SPD	LOS ANGELES	371	WHITTIER NARROWS DAM	0	0	0	2,575,011	0	79,640	2,654,651
SWD	LITTLE ROCK	428	WILBUR D. MILLS LOCK AND DAM-ARK.RIV.NAV.SYS	2,131	5,269	68,559	169,493	2,120	5,242	252,814
NWD	PORTLAND	296	WILLAMETTE FALLS LOCKS	0	0	469	340	15	11	834
LRD	LOUISVILLE	80	WILLIAM H HARSHA LAKE	3,559	18,236	137,744	705,760	4,260	21,828	891,387
NWD	PORTLAND	297	WILLOW CREEK	511	3,767	14,184	104,612	439	3,235	126,748
LRD	HUNTINGTON	47	WILLOW ISLAND LOCKS AND DAM <OHIO R>	57	254	16,771	74,676	519	2,310	94,587
LRD	HUNTINGTON	48	WILLS CREEK LAKE	1	133	239	29,328	7	907	30,616
NWD	KANSAS CITY	279	WILSON LAKE	5,259	9,391	60,250	107,578	1,863	3,327	187,669
LRD	HUNTINGTON	49	WINFIELD LOCK AND DAM <KANAWHA RIVER>	0	0	42,873	408,421	1,326	12,632	465,252
MVD	ST. PAUL	155	WINNIBIGOSH LAKE - RESERVOIRS AT HEADWATERS OF	4,887	8,190	141,016	236,335	4,361	7,309	402,098
SWD	TULSA	464	WISTER LAKE	113	3,979	3,881	137,238	120	4,244	149,575
LRD	NASHVILLE	90	WOLF CREEK DAM LAKE CUMBERLAND	38,352	34,024	2,230,649	1,978,917	68,989	61,204	4,412,135
LRD	PITTSBURGH	128	WOODCOCK CREEK LAKE	97	5,453	5,426	306,395	168	9,476	327,015
SWD	FORT WORTH	401	WRIGHT PATMAN DAM AND LAKE	4,083	22,277	132,600	723,437	4,101	22,374	908,873
LRD	HUNTINGTON	50	YATESVILLE LAKE	569	2,730	46,162	221,290	1,428	6,844	279,023
LRD	PITTSBURGH	129	YOUGHIOGHENY RIVER LAKE	1,484	8,816	73,568	436,965	2,275	13,514	536,622
Total				1,251,528	4,087,414	78,359,441	277,362,195	2,423,488	8,578,212	372,062,279
Average				2,980	9,732	186,570	660,386	5,770	20,424	885,863

Notes: LRD = Great Lakes and Ohio River; MVD = Mississippi Valley; NAD = North Atlantic; NWD = Northwestern; POD = Pacific Ocean; SAD = South Atlantic; SPD = South Pacific; SWD = Southwestern.

!. Projects where survey were conducted to create the spending profiles for this study.

#. Projects where the IMPLAN economic impact models have been built (Becker, 1997).

1. Includes other overnight visits.

# Appendix E

## Recreation Area Maps

# Recreation Areas Managed by USACE

Belle Starr Campground

Brooken Cove Campground

Cardinal Point Recreation Area

Dam Site South Campground

Elm Point Campground and Recreation Area

Gaines Creek Recreation Area

Gentry Creek Campground

Hickory Point Recreation Area

Highway 31 Landing Recreation Area

Highway 9 Landing Campground

Holiday Cove Recreation Area

Mill Creek Campground and Recreation Area






Oak Ridge Campground and Recreation Area

Porum Landing Campground





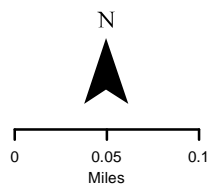
**Legend**

-  Roads
-  Shoreline
-  Boat Ramps
-  Marina
-  Eufaula Lake Recreation Area

**Site Information**

Camp Sites	115
Picnic Sites	0
Swim/Beach	Y
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	569

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Belle Starr Campground  
Eufaula Lake SMP & MP EIS  
Recreation Study



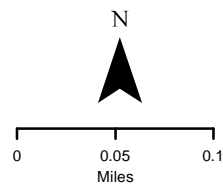


- Legend**
- Roads
  - Shoreline
  - 🚤 Boat Ramps
  - 🍃 Picnic Sites
  - 🏕️ Camp Sites
  - 🏊 Swimming
  - 🌿 Eufaula Lake Recreation Area
  - 👣 Playgrounds
  - 🚿 Shower
  - 🚻 Restroom
  - 🏠 Group Shelter
  - 👮 Guard Booth

**Site Information**

Camp Sites	75
Picnic Sites	3
Swim/Beach	Y
Playgrounds	Y
Boat Ramps	1
Wet Slips	0
Acres	550

*Site information is not official and is subject to change during recreation surveys.*






U.S. Army Corps of Engineers  
Tulsa District  
Brooken Cove Campground  
Eufaula Lake SMP & MP EIS  
Recreation Study

Updated: May 21, 2012

Basemap Source: Copyright 2012 Bing Map Service



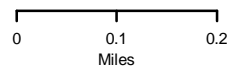
**Legend**

-  Shoreline
-  Eufaula Lake Recreation Area
-  Boat Ramp

**Site Information**

Camp Sites	0
Picnic Sites	10
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	285

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Cardinal Point Recreation Area  
Eufaula Lake SMP & MP EIS  
Recreation Study





**Legend**

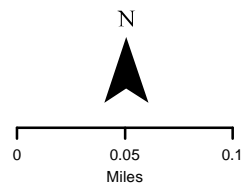
- Shoreline
- Roads
- Boat Ramps
- Shower
- Picnic Sites
- Restroom
- Camp Sites
- Group Shelter
- Playgrounds
- Guard Booth
- Eufaula Lake Recreation Area

Basemap Source: Copyright 2012 Bing Map Service

**Site Information**

Camp Sites	57
Picnic Sites	0
Swim/Beach	N
Playgrounds	Y
Boat Ramps	2
Wet Slips	0
Acres	646

Site information is not official and is subject to change during recreation surveys.






U.S. Army Corps of Engineers  
Tulsa District  
Dam Site South Campground  
Eufaula Lake SMP & MP EIS  
Recreation Study

Updated: July 26, 2012





**Legend**

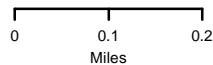
-  Shoreline
-  Eufaula Lake Recreation Area
-  Boat Ramp

**Site Information**

Camp Sites	17
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	244

Site information is not official and is subject to change during recreation surveys.

N



U.S. Army Corps of Engineers  
Tulsa District  
Elm Point Campground & Recreation Area  
Eufaula Lake SMP & MP EIS  
Recreation Study





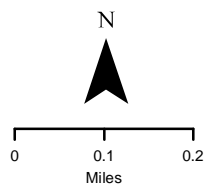
**Legend**

- Shoreline
- Eufaula Lake Recreation Area
- Boat Ramp

**Site Information**

Camp Sites	0
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	575

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
 Tulsa District  
 Gaines Creek Recreation Area  
 Eufaula Lake SMP & MP EIS  
 Recreation Study



**Legend**

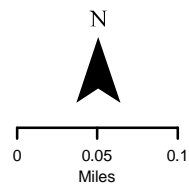
- Roads
- Shoreline
- Boat Ramps
- Picnic Sites
- Camp Sites
- Eufaula Lake Recreation Area
- Shower
- Restroom
- Group Shelter
- Guard Booth

Basemap Source: Copyright 2012 Bing Map Service

**Site Information**

Camp Sites	37
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	414

Site information is not official and is subject to change during recreation surveys.






U.S. Army Corps of Engineers  
Tulsa District  
Gentry Creek Campground  
Eufaula Lake SMP & MP EIS  
Recreation Study

Updated: July 26, 2012





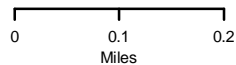
**Legend**

-  Shoreline
-  Boat Ramps
-  Eufaula Lake Recreation Area

**Site Information**

Camp Sites	0
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	265

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Hickory Point Recreation Area  
Eufaula Lake SMP & MP EIS  
Recreation Study





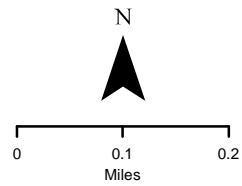
**Legend**

- Shoreline
- Road
- Boat Ramps
- Eufaula Lake Recreation Area

**Site Information**

Camp Sites	0
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	203

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Highway 31 Landing Recreation Area  
Eufaula Lake SMP & MP EIS  
Recreation Study





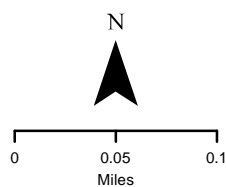
**Legend**

- Roads
- Shoreline
- ☀ Boat Ramps
- 🌳 Picnic Sites
- 🏕 Camp Sites
- 🏊 Swimming
- 🌿 Eufaula Lake Recreation Area
- 👣 Playgrounds
- 🚿 Shower
- 🚻 Restroom
- 🏠 Group Shelter
- 👮 Guard Booth

**Site Information**

Camp Sites	80
Picnic Sites	3
Swim/Beach	Y
Playgrounds	Y
Boat Ramps	3
Wet Slips	0
Acres	215

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Highway 9 Landing Campground  
Eufaula Lake SMP & MP EIS  
Recreation Study

Basemap Source: Copyright 2012 Bing Map Service

Updated: July 25, 2012





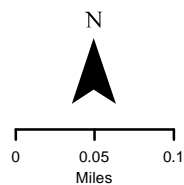
**Legend**

- Shoreline
- Road
- Boat Ramps
- Eufaula Lake Recreation Area

**Site Information**

Camp Sites	0
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	174

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Holiday Cove Recreation Area  
Eufaula Lake SMP & MP EIS  
Recreation Study





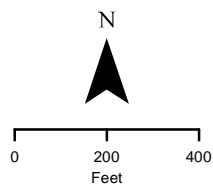
**Legend**

- Shoreline
- Road
- Boat Ramps
- Eufaula Lake Recreation Area

**Site Information**

Camp Sites	16
Picnic Sites	1
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	54

*Site information is not official and is subject to change during recreation surveys.*






U.S. Army Corps of Engineers  
 Tulsa District  
 Mill Creek Campground  
 and Recreation Area  
 Eufaula Lake SMP & MP EIS  
 Recreation Study





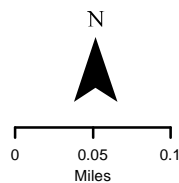
**Legend**

-  Shoreline
-  Boat Ramps
-  Eufaula Lake Recreation Area

**Site Information**

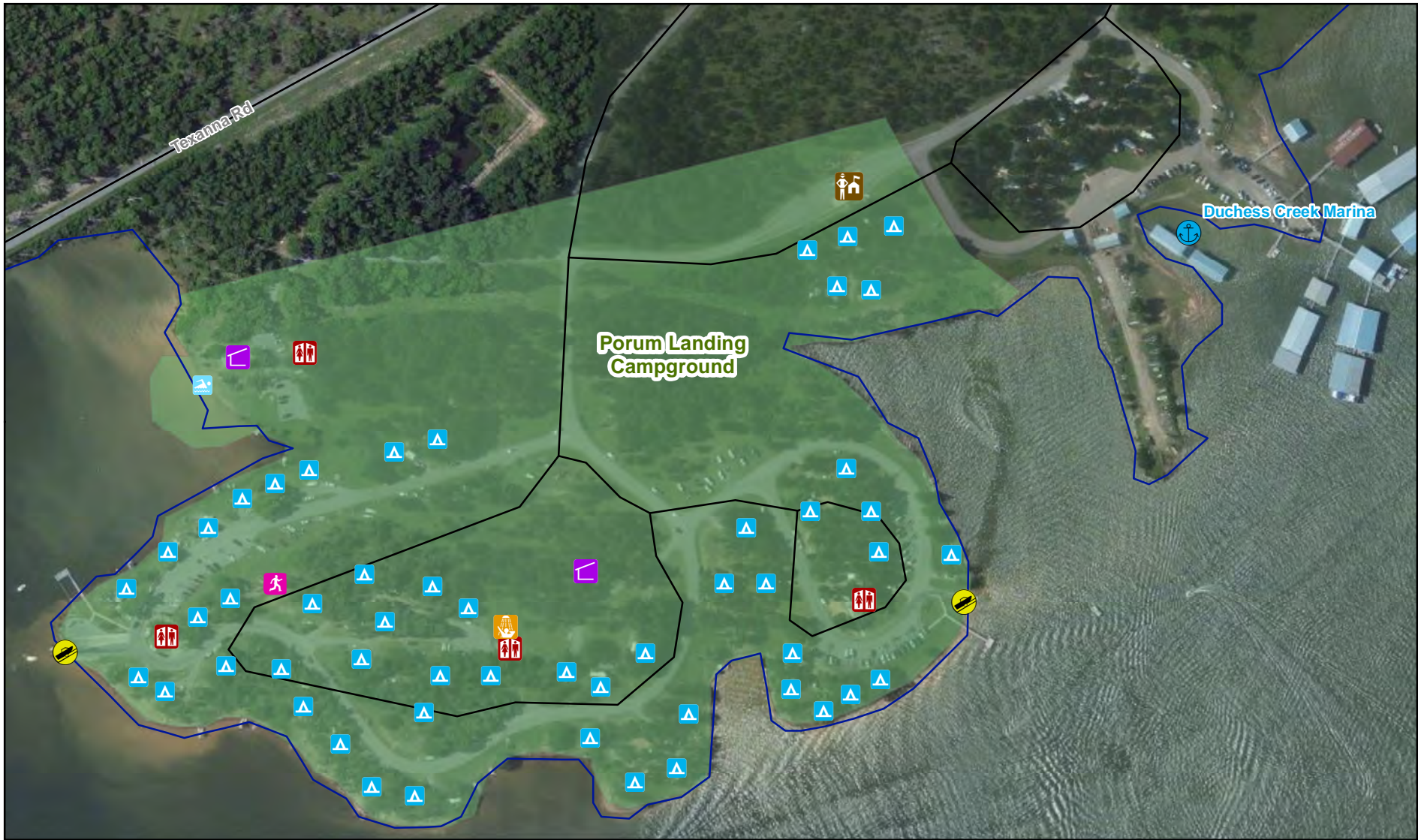
Camp Sites	12
Picnic Sites	0
Swim/Beach	N
Playgrounds	N
Boat Ramps	1
Wet Slips	0
Acres	136

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
 Tulsa District  
 Oak Ridge Campground and  
 Recreation Area  
 Eufaula Lake SMP & MP EIS  
 Recreation Study





- Legend**
- Roads
  - Shoreline
  - ⚓ Marina
  - 🚤 Boat Ramps
  - 🏠 Picnic Sites
  - 🏕️ Camp Sites
  - 🌳 Eufaula Lake Recreation Area
  - 👣 Playgrounds
  - 🏊 Swimming
  - 🚿 Shower
  - 🚻 Restroom
  - 🏠 Group Shelter
  - 👮 Guard Booth

**Site Information**

Camp Sites	54
Picnic Sites	5
Swim/Beach	Y
Playgrounds	Y
Boat Ramps	2
Wet Slips	0
Acres	160

*Site information is not official and is subject to change during recreation surveys.*

U.S. Army Corps of Engineers  
Tulsa District  
Porum Landing Campground  
Eufaula Lake SMP & MP EIS  
Recreation Study

Updated: July 25, 2012

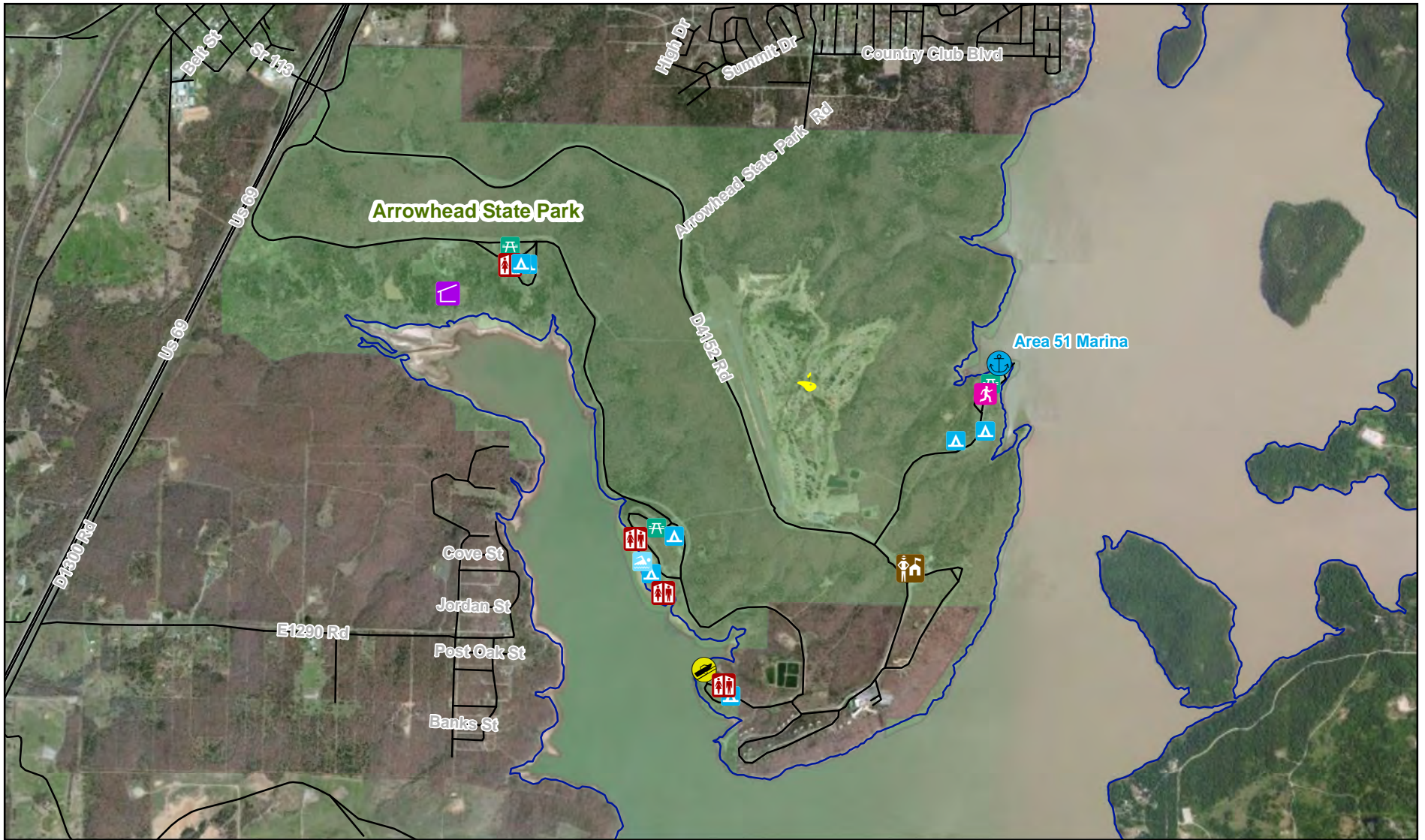
Basemap Source: Copyright 2012 Bing Map Service

# Recreation Areas Managed by the State of Oklahoma

Arrowhead State Park

Lake Eufaula State Park





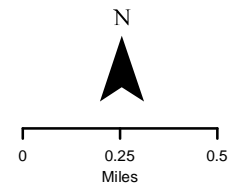
**Legend**

- Shoreline
- Road
- Eufaula Lake Recreation Area
- Boat Ramps
- Picnic Sites
- Camp Sites
- Swimming
- Playgrounds
- Shower
- Restroom
- Group Shelter
- Guard Booth
- Golf Course

**Site Information**

Camp Sites	198
Picnic Sites	3
Swim/Beach	Y
Playgrounds	Y
Boat Ramps	1
Wet Slips	18
Acres	2,203

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Arrowhead State Park  
Eufaula Lake SMP & MP EIS  
Recreation Study



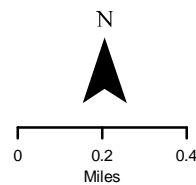


**Legend**

- Shoreline
- Road
- Boat Ramps
- Marina
- Eufaula Recreation Area
- Picnic Area
- Campsite
- Swimming
- Playground
- Shower
- Restroom
- Group Shelter
- Guard Booth

**Site Information**

Camp Sites	250
Picnic Sites	0
Swim/Beach	Y
Playgrounds	Y
Boat Ramps	2
Wet Slips	82
Acres	2,852



U.S. Army Corps of Engineers  
Tulsa District  
Eufaula State Park  
Eufaula Lake SMP & MP EIS  
Recreation Study

# Recreation Areas Managed by County and City Governments

Crowder City Park and Crowder Point Recreation Areas

Eufaula City Park and Eufaula Cove South

Juniper Point Recreation Area





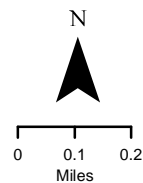
**Legend**

- Roads
- Shoreline
- Eufaula Lake Recreation Area
- Boat Ramp

**Site Information**

Crowder City Park		Crowder Point	
Camp Sites	0	Camp Sites	60
Picnic Sites	0	Picnic Sites	34
Swim/Beach	N	Swim/Beach	N
Playgrounds	N	Playgrounds	N
Boat Ramps	1	Boat Ramps	3
Wet Slips	0	Wet Slips	0
Acres	11	Acres	243

Site information is not official and is subject to change during recreation surveys.



U.S. Army Corps of Engineers  
Tulsa District  
Crowder City Park and Crowder  
Point Recreation Areas  
Eufaula Lake SMP & MP EIS  
Recreation Study





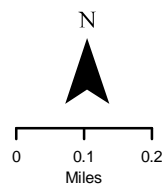
**Legend**

- Shoreline
- Boat Ramps
- Marina
- Eufaula Lake Recreation Area

**Site Information**

Eufaula Cove South		Eufaula City Park	
Camp Sites	0	Camp Sites	8
Picnic Sites	0	Picnic Sites	0
Swim/Beach	N	Swim/Beach	Y
Playgrounds	N	Playgrounds	Y
Boat Ramps	1	Boat Ramps	4
Wet Slips	0	Wet Slips	400
Acres	81	Acres	111

*Site information is not official and is subject to change during recreation surveys.*



U.S. Army Corps of Engineers  
Tulsa District  
Eufaula City Park and Eufaula  
Cove South Recreation Areas  
Eufaula Lake SMP & MP EIS  
Recreation Study





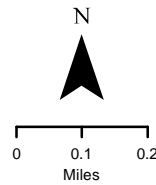
**Legend**

- Roads
- Shoreline
- Eufaula Lake Recreation Area
- Boat Ramp

**Site Information**

Camp Sites	0
Picnic Sites	18
Swim/Beach	N
Playgrounds	N
Boat Ramps	2
Wet Slips	0
Acres	242

Site information is not official and is subject to change during recreation surveys.



U.S. Army Corps of Engineers  
 Tulsa District  
 Juniper Point Recreation Area  
 Eufaula Lake SMP & MP EIS  
 Recreation Study

# Appendix F

## Boating Accident Database

**Eufaula Lake  
Boating Accident Data  
2003 - 2011**

BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2010-0009	Eufaula Lake	McIntosh	1/2 mile South and 1/4 mile West of 5 Ash boat ramp	?	2010	5/29/2010	Saturday	1	\$0	0	1	No	?	?
OK-2011-0013	Eufaula Lake	Pittsburg	MILE E. OF KIAMICHI BOAT RAMP	3	2011	5/28/2011	Saturday	1	\$0	0	2	No	269971	3903298
OK-2003-0009	Eufaula Lake	Pittsburg	Arrowhead Estates	6	2003	6/1/2003	Sunday	1	\$0	0	1	No	261838	3896555
OK-2010-0005	Eufaula Lake	Pittsburg	Arrowhead Estates	6	2010	5/21/2010	Friday	1	\$0	1	0	Yes	261838	3896555
OK-2007-0032	Eufaula Lake	McIntosh	Belle Starr	3	2007	6/14/2007	Thursday	1	\$0	0	0	No	269389	3912411
OK-2003-0007	Eufaula Lake	McIntosh	Belle Starr	3	2003	5/31/2003	Saturday	1	\$0	0	1	No	269389	3912411
OK-2003-0063	Eufaula Lake	McIntosh	Belle Starr	3	2003	8/17/2003	Sunday	1	\$0	0	1	No	269389	3912411
OK-2004-0030	Eufaula Lake	McIntosh	Belle Starr	3	2004	7/4/2004	Sunday	2	\$8,500	1	3	Yes	269389	3912411
OK-2005-0061	Eufaula Lake	McIntosh	Belle Starr	3	2005	8/12/2005	Friday	2	\$1,800	1	3	No	269389	3912411
OK-2005-0044	Eufaula Lake	Haskell	Brooken Cove	4	2005	7/16/2005	Saturday	2	\$900	0	0	No	281530	3908023
OK-2006-0052	Eufaula Lake	Pittsburg	Bugtussel Boat Ramp	6	2006	7/17/2006	Monday	1	\$0	0	2	No	254641	3879894
OK-2011-0038	EUFULA LAKE	Pittsburg	CANADIAN SHORES ESTATES BOAT RAMP	6	2011	7/15/2011	Friday	2	\$1,000	0	2	No	248071	3895706
OK-2009-0054	Eufaula Lake	Pittsburg	Cardinal Point	6	2009	8/23/2009	Sunday	1	\$0	0	1	No	254636	3884651
OK-2004-0001	Eufaula Lake	Pittsburg	Crowder Point (East)	6	2004	1/3/2004	Saturday	1	\$0	1	0	No	254721	3888348
OK-2003-0064	Eufaula Lake	Pittsburg	Crowder Point (West)	6	2003	8/18/2003	Monday	1	\$0	1	0	No	254095	3888374
OK-2006-0013	Eufaula Lake	Pittsburg	Crowder Point (West)	6	2006	5/27/2006	Saturday	1	\$1,950	0	0	No	254095	3888374
OK-2005-0021	Eufaula Lake	McIntosh	Dam Site	4	2005	6/3/2005	Friday	1	\$12,000	0	0	No	284141	3907086
OK-2006-0075	Eufaula Lake	McIntosh	Dock	?	2006	8/27/2006	Sunday	2	\$5,350	0	0	No	?	?
OK-2009-0029	Eufaula Lake	Pittsburg	Dock	?	2009	6/18/2009	Thursday	1	\$1,700	0	2	Yes	?	?
OK-2003-0048	Eufaula Lake	McIntosh	Duchess Creek	4	2003	7/5/2003	Saturday	2	\$3,500	0	0	No	282426	3916297
OK-2003-0071	Eufaula Lake	McIntosh	Eufaula Cove	3	2003	8/30/2003	Saturday	1	\$5,500	0	0	No	265560	3907086
OK-2004-0063	Eufaula Lake	McIntosh	Eufaula Cove	3	2004	8/29/2004	Sunday	2	\$100	0	0	No	265560	3907086
OK-2005-0057	Eufaula Lake	Pittsburg	Eufaula Cove	3	2005	7/31/2005	Sunday	2	\$500	0	0	No	265560	3907086
OK-2009-0058	Eufaula Lake	McIntosh	Eufaula Cove	3	2009	9/24/2009	Thursday	1	\$0	1	0	No	265560	3907086
OK-2010-0011	Eufaula Lake	McIntosh	Eufaula Cove	3	2010	5/30/2010	Sunday	1	\$8,000	0	1	Yes	265560	3907086
OK-2010-0029	Eufaula Lake	McIntosh	Eufaula Cove	3	2010	7/5/2010	Monday	3	\$2,700	0	0	No	265560	3907086
OK-2003-0060	Eufaula Lake	McIntosh	Hickory Hills	4	2003	8/9/2003	Saturday	1	\$4,000	0	0	No	275105	3910975
OK-2008-0027	Eufaula Lake	Pittsburg	Highway 31 Landing	6	2008	7/7/2008	Monday	1	\$0	0	1	No	257960	3871951
OK-2007-0049	Eufaula Lake	Pittsburg	Highway 9 Landing	3	2007	8/12/2007	Sunday	2	\$30,000	1	3	Yes	273207	3902955
OK-2007-0063	Eufaula Lake	Pittsburg	Highway 9 Landing	3	2007	9/2/2007	Sunday	2	\$10,000	0	3	No	273207	3902955
OK-2005-0031	Eufaula Lake	McIntosh	Indian Springs	3	2005	7/3/2005	Sunday	2	\$1,300	0	1	Yes	267025	3914941
OK-2011-0009	EUFULA LAKE	MCINTOSH	Indian Springs	3	2011	5/22/2011	Sunday	1	\$500	2	0	No	267025	3914941
OK-2006-0059	Eufaula Lake	McIntosh	Kathy Mountain Shore Line	3	2006	7/23/2006	Sunday	2	\$3,900	0	0	No	266661	3914080
OK-2007-0064	Eufaula Lake	McIntosh	Lake View Estates Cove	3	2007	9/2/2007	Sunday	1	\$2,000	0	1	Yes	284725	3912731
OK-2008-0050	Eufaula Lake	McIntosh	Leisure Land	2	2008	8/9/2008	Saturday	1	\$20,000	0	2	No	265310	3919003
OK-2004-0038	Eufaula Lake	McIntosh	Mid-Channel Marker	?	2004	7/11/2004	Sunday	1	\$0	0	1	Yes	?	?
OK-2007-0038	Eufaula Lake	McIntosh	Oakwood Harbor	2	2007	7/22/2007	Sunday	1	\$0	0	1	No	263891	3926045
OK-2009-0004	Eufaula Lake	Pittsburg	Open Water	?	2009	3/10/2009	Tuesday	1	\$0	0	2	No	?	?
OK-2006-0087	Eufaula Lake	Pittsburg	Piney Creek	3	2006	7/3/2006	Monday	2	\$0	0	0		272158	3905474
OK-2011-0037	EUFULA LAKE	Pittsburg	Piney Creek	3	2011	7/17/2011	Sunday	1	\$0	0	2	Yes	272158	3905474
OK-2003-0045	Eufaula Lake	McIntosh	Porum Landing	4	2003	7/12/2003	Saturday	2	\$27,500	0	3	Yes	282950	3915236
OK-2004-0050	Eufaula Lake	McIntosh	Porum Landing	4	2004	8/14/2004	Saturday	1	\$12,000	0	4	No	282950	3915236

**Eufaula Lake  
Boating Accident Data  
2003 - 2011**

BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2006-0022	Eufaula Lake	McIntosh	Porum Landing	4	2006	6/3/2006	Saturday	2	\$0	0	1	No	282950	3915236
OK-2011-0021	Eufaula Lake	McIntosh	Porum Landing	4	2011	5/28/2011	Saturday	3	\$2,400	0	0	Yes	282950	3915236
OK-2011-0010	EUFULA LAKE	MCINTOSH	Porum Landing	4	2011	5/28/2011	Saturday	1	\$2,500	0	0	Yes	282950	3907086
OK-2009-0036	Eufaula Lake	Pittsburg	River View Terrace Addition Boat Dock	3	2009	7/18/2009	Saturday	1	\$31,000	0	0	No	273388	3909067
OK-2004-0045	Eufaula Lake	McIntosh	Rolling Oaks	2	2004	7/31/2004	Saturday	2	\$1,100	1	1	No	264337	3915985
OK-2011-0057	EUFULA LAKE	MCINTOSH	Rolling Oaks	2	2011	9/3/2011	Saturday	1	\$800	0	1	No	264337	3915985
OK-2006-0054	Eufaula Lake	McIntosh	Sherwood Forest	3	2006	7/16/2006	Sunday	2	\$1,000	0	1		267704	3906818
OK-2006-0057	Eufaula Lake	McIntosh	Sherwood Forest	3	2006	7/22/2006	Saturday	1	\$3,500	0	0	No	267704	3906818
OK-2007-0024	Eufaula Lake	Pittsburg	Sissy Beach	3	2007	6/2/2007	Saturday	2	\$14,000	0	3	No	272050	3903566
OK-2007-0014	Eufaula Lake	Pittsburg	Snug Harbor	3	2007	5/28/2007	Monday	1	\$0	0	0	No	272149	3904536
OK-2011-0047	EUFULA LAKE	PITTSBURG	Sooner Haven	3	2011	7/31/2011	Sunday	1	\$0	1	0	Yes	269985	3900869
OK-2009-0015	Eufaula Lake	McIntosh	Standing Rock	4	2009	6/12/2009	Friday	1	\$14,000	0	1	No	271825	3915236
OK-2010-0061	Eufaula Lake	McIntosh	Standing Rock	4	2010	9/4/2010	Saturday	2	\$20,000	1	7	Yes	271825	3915236
OK-2004-0020	Eufaula Lake	Pittsburg	Three Hills Indian Nation Development	3	2004	6/5/2004	Saturday	1	\$150	0	1	Yes	274519	390798
OK-2003-0027	Eufaula Lake	McIntosh	?	?	2003	6/29/2003	Sunday	1	\$200	0	1	No	?	?
OK-2004-0043	Eufaula Lake	McIntosh	?	?	2004	7/5/2004	Monday	2	\$1,000	0	1	No	?	?



**Boating Accidents  
Lake Area #2  
2003 - 2011**

BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2008-0050	Eufaula Lake	Mcintosh	Leisure Land	2	2008	8/9/2008	Saturday	1	\$20,000	0	2	No	265310	3919003
OK-2007-0038	Eufaula Lake	McIntosh	Oakwood Harbor	2	2007	7/22/2007	Sunday	1	\$0	0	1	No	263891	3926045
OK-2004-0045	Eufaula Lake	McIntosh	Rolling Oaks	2	2004	7/31/2004	Saturday	2	\$1,100	1	1	No	264337	3915985
OK-2011-0057	Eufaula Lake	Mcintosh	Rolling Oaks	2	2011	9/3/2011	Saturday	1	\$800	0	1	No	264337	3915985

Boating Accidents  
Lake Area #3  
2003 - 2011

BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2011-0013	Eufaula Lake	Pittsburg	1/4 MILE N. & 1/4 MILE E. OF KIAMICHI BOAT RAMP	3	2011	5/28/2011	Saturday	1	\$0	0	2	No	269971	3903298
OK-2007-0032	Eufaula Lake	McIntosh	Belle Star	3	2007	6/14/2007	Thursday	1	\$0	0	0	No	269389	3912411
OK-2003-0007	Eufaula Lake	McIntosh	Belle Starr	3	2003	5/31/2003	Saturday	1	\$0	0	1	No	269389	3912411
OK-2003-0063	Eufaula Lake	McIntosh	Belle Starr	3	2003	8/17/2003	Sunday	1	\$0	0	1	No	269389	3912411
OK-2004-0030	Eufaula Lake	McIntosh	Belle Starr	3	2004	7/4/2004	Sunday	2	\$8,500	1	3	Yes	269389	3912411
OK-2005-0061	Eufaula Lake	McIntosh	Belle Starr	3	2005	8/12/2005	Friday	2	\$1,800	1	3	No	269389	3912411
OK-2003-0071	Eufaula Lake	McIntosh	Eufaula Cove	3	2003	8/30/2003	Saturday	1	\$5,500	0	0	No	265560	3907086
OK-2004-0063	Eufaula Lake	McIntosh	Eufaula Cove	3	2004	8/29/2004	Sunday	2	\$100	0	0	No	265560	3907086
OK-2005-0057	Eufaula Lake	Pittsburg	Eufaula Cove	3	2005	7/31/2005	Sunday	2	\$500	0	0	No	265560	3907086
OK-2009-0058	Eufaula Lake	McIntosh	Eufaula Cove	3	2009	9/24/2009	Thursday	1	\$0	1	0	No	265560	3907086
OK-2010-0011	Eufaula Lake	McIntosh	Eufaula Cove	3	2010	5/30/2010	Sunday	1	\$8,000	0	1	Yes	265560	3907086
OK-2010-0029	Eufaula Lake	McIntosh	Eufaula Cove	3	2010	7/5/2010	Monday	3	\$2,700	0	0	No	265560	3907086
OK-2007-0049	Eufaula Lake	Pittsburg	Highway 9 Landing	3	2007	8/12/2007	Sunday	2	\$30,000	1	3	Yes	273207	3902955
OK-2007-0063	Eufaula Lake	Pittsburg	Highway 9 Landing	3	2007	9/2/2007	Sunday	2	\$10,000	0	3	No	273207	3902955
OK-2005-0031	Eufaula Lake	McIntosh	Indian Springs	3	2005	7/3/2005	Sunday	2	\$1,300	0	1	Yes	267025	3914941
OK-2011-0009	EUFULA LAKE	McIntosh	Indian Springs	3	2011	5/22/2011	Sunday	1	\$500	2	0	No	267025	3914941
OK-2006-0059	Eufaula Lake	McIntosh	Kathy Mountain Shore Line	3	2006	7/23/2006	Sunday	2	\$3,900	0	0	No	266661	3914080
OK-2007-0064	Eufaula Lake	McIntosh	Lake View Estates Cove	3	2007	9/2/2007	Sunday	1	\$2,000	0	1	Yes	284725	3912731
OK-2006-0087	Eufaula Lake	Pittsburg	Piney Creek	3	2006	7/3/2006	Monday	2	\$0	0	0		272158	3905474
OK-2011-0037	EUFULA LAKE	Pittsburg	Piney Creek	3	2011	7/17/2011	Sunday	1	\$0	0	2	Yes	272158	3905474
OK-2009-0036	Eufaula Lake	Pittsburg	River View Terrace Addition Boat Dock	3	2009	7/18/2009	Saturday	1	\$31,000	0	0	No	273388	3909067
OK-2006-0054	Eufaula Lake	McIntosh	Sherwood Forest	3	2006	7/16/2006	Sunday	2	\$1,000	0	1		267704	3906818
OK-2006-0057	Eufaula Lake	McIntosh	Sherwood Forest	3	2006	7/22/2006	Saturday	1	\$3,500	0	0	No	267704	3906818
OK-2007-0024	Eufaula Lake	Pittsburg	Sissy Beach	3	2007	6/2/2007	Saturday	2	\$14,000	0	3	No	272050	3903566
OK-2007-0014	Eufaula Lake	Pittsburg	Snug Harbor	3	2007	5/28/2007	Monday	1	\$0	0	0	No	272149	3904536
OK-2011-0047	EUFULA LAKE	PITTSBURG	Sooner Haven	3	2011	7/31/2011	Sunday	1	\$0	1	0	Yes	269985	3900869
OK-2004-0020	Eufaula Lake	Pittsburg	Three Hills Indian Nation Development	3	2004	6/5/2004	Saturday	1	\$150	0	1	Yes	274519	390798

**Boating Accidents  
Lake Area #4  
2003 - 2011**

BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2005-0044	Eufaula Lake	Haskell	Brooken Cove	4	2005	7/16/2005	Saturday	2	\$900	0	0	No	281530	3908023
OK-2005-0021	Eufaula Lake	McIntosh	Dam Site	4	2005	6/3/2005	Friday	1	\$12,000	0	0	No	284141	3907086
OK-2003-0048	Eufaula Lake	McIntosh	Duchess Creek	4	2003	7/5/2003	Saturday	2	\$3,500	0	0	No	282426	3916297
OK-2003-0060	Eufaula Lake	McIntosh	Hickory Hills	4	2003	8/9/2003	Saturday	1	\$4,000	0	0	No	275105	3910975
OK-2003-0045	Eufaula Lake	McIntosh	Porum Landing	4	2003	7/12/2003	Saturday	2	\$27,500	0	3	Yes	282950	3915236
OK-2004-0050	Eufaula Lake	McIntosh	Porum Landing	4	2004	8/14/2004	Saturday	1	\$12,000	0	4	No	282950	3915236
OK-2006-0022	Eufaula Lake	McIntosh	Porum Landing	4	2006	6/3/2006	Saturday	2	\$0	0	1	No	282950	3915236
OK-2011-0021	Eufaula Lake	McIntosh	Porum Landing	4	2011	5/28/2011	Saturday	3	\$2,400	0	0	Yes	282950	3915236
OK-2011-0010	EUFULA LAKE	McIntosh	Porum Landing	4	2011	5/28/2011	Saturday	1	\$2,500	0	0	Yes	282950	3907086
OK-2009-0015	Eufaula Lake	McIntosh	Standing Rock	4	2009	6/12/2009	Friday	1	\$14,000	0	1	No	271825	3915236
OK-2010-0061	Eufaula Lake	McIntosh	Standing Rock	4	2010	9/4/2010	Saturday	2	\$20,000	1	7	Yes	271825	3915236

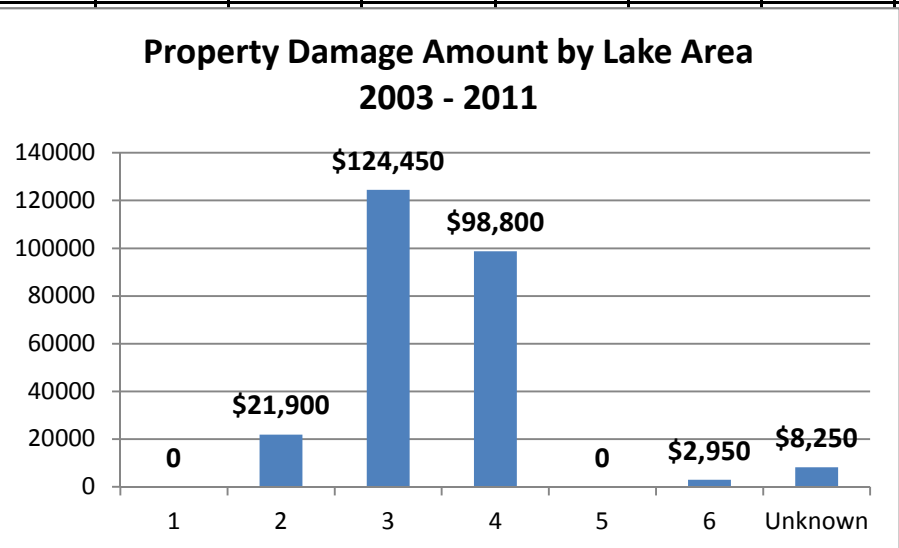
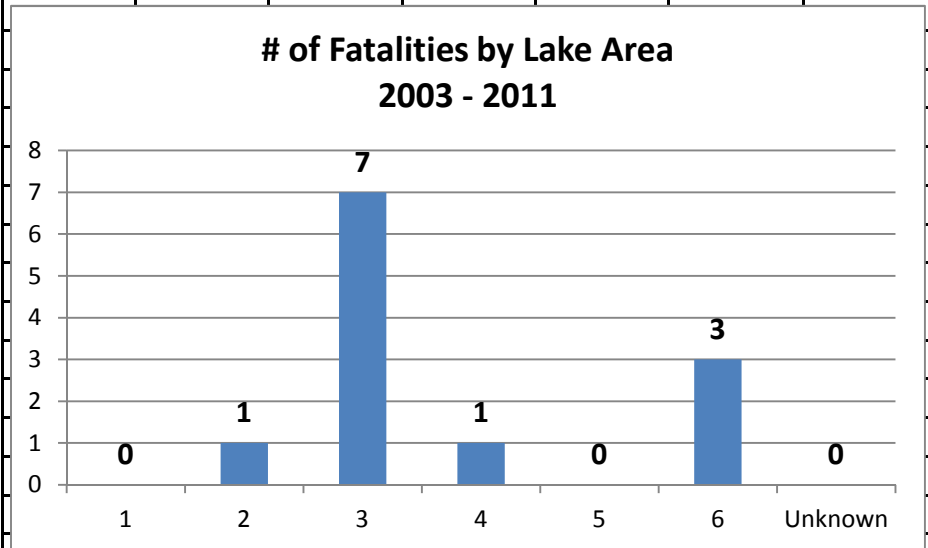
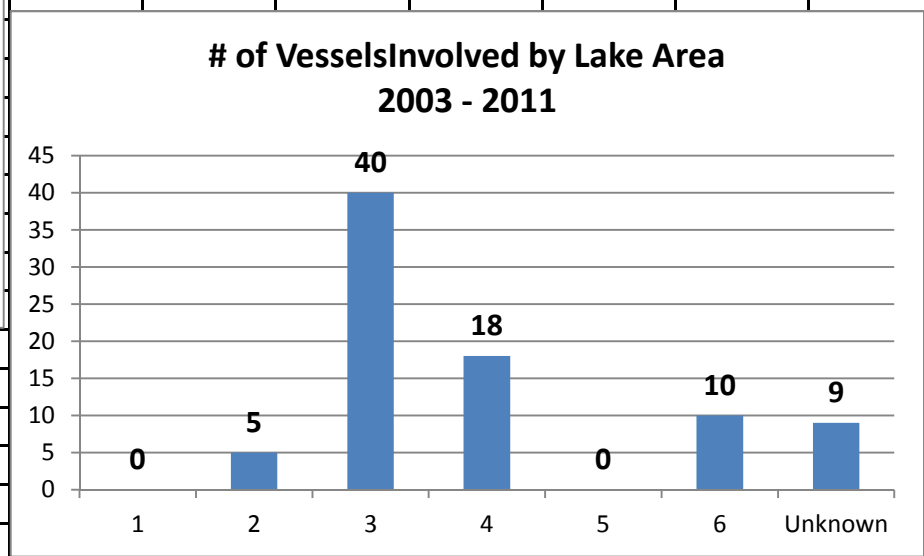
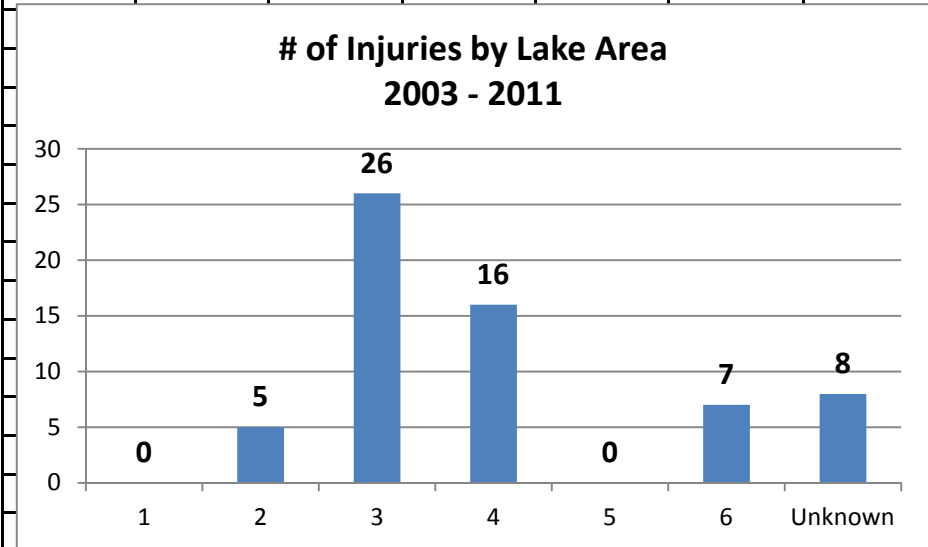
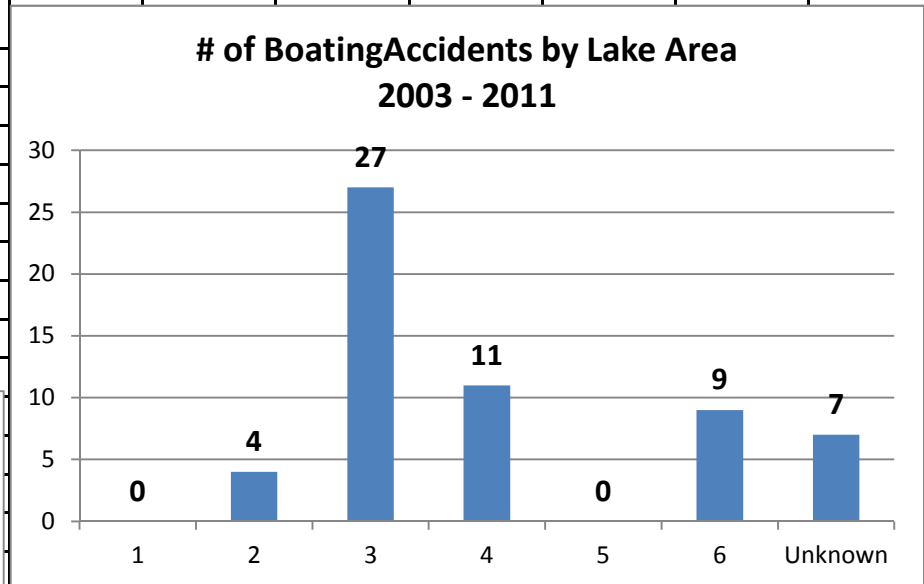
**Boating Accidents  
Lake Area #6  
2003 - 2011**

BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2003-0009	Eufaula Lake	Pittsburg	Arrowhead Estates	6	2003	6/1/2003	Sunday	1	\$0	0	1	No	261838	3896555
OK-2010-0005	Eufaula Lake	Pittsburg	Arrowhead Estates	6	2010	5/21/2010	Friday	1	\$0	1	0	Yes	261838	3896555
OK-2006-0052	Eufaula Lake	Pittsburg	Bugtussel Boat Ramp	6	2006	7/17/2006	Monday	1	\$0	0	2	No	254641	3879894
OK-2011-0038	Eufaula Lake	Pittsburg	CANADIAN SHORES ESTATES BOAT RAMP	6	2011	7/15/2011	Friday	2	\$1,000	0	2	No	248071	3895706
OK-2009-0054	Eufaula Lake	Pittsburg	Cardinal Point	6	2009	8/23/2009	Sunday	1	\$0	0	1	No	254636	3884651
OK-2004-0001	Eufaula Lake	Pittsburg	Crowder Point (East)	6	2004	1/3/2004	Saturday	1	\$0	1	0	No	254721	3888348
OK-2003-0064	Eufaula Lake	Pittsburg	Crowder Point (West)	6	2003	8/18/2003	Monday	1	\$0	1	0	No	254095	3888374
OK-2006-0013	Eufaula Lake	Pittsburg	Crowder Point (West)	6	2006	5/27/2006	Saturday	1	\$1,950	0	0	No	254095	3888374
OK-2008-0027	Eufaula Lake	Pittsburg	Highway 31 Landing	6	2008	7/7/2008	Monday	1	\$0	0	1	No	257960	3871951

**Boating Accidents  
Lake Area Unknown  
2003 - 2011**

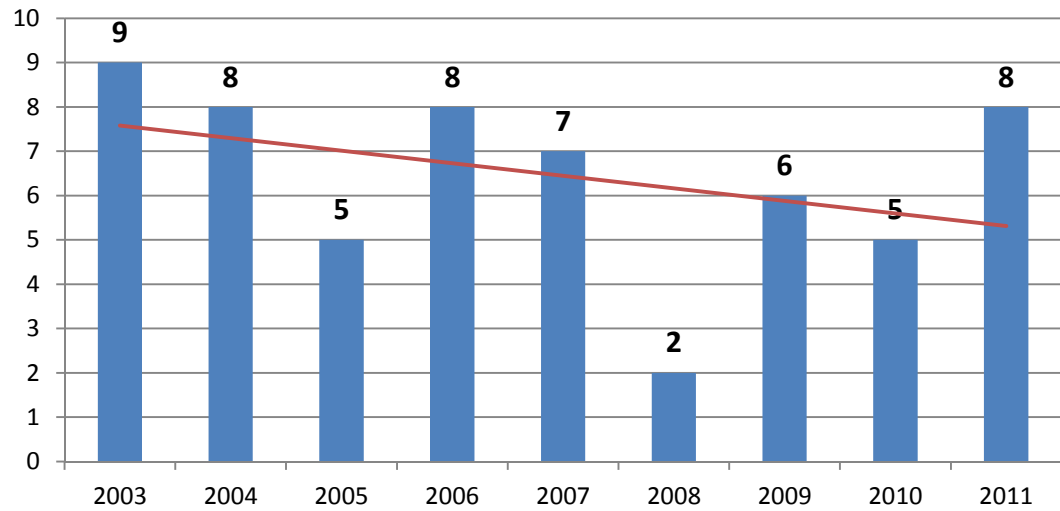
BARD #	NAME OF BODY OF WATER	ACCIDENT COUNTY	ACCIDENT LOCATION DESCRIPTION	LAKE AREA #	YEAR	ACCIDENT DATE	DAY OF WEEK	NUMBER OF VESSELS INVOLVED	TOTAL PROPERTY DAMAGE AMOUNT	NUMBER OF DECEASED	NUMBER OF INJURED	ALCOHOL INVOLVED	X Coord	Y Coord
OK-2010-0009	Eufaula Lake	McIntosh	1/2 mile South and 1/4 mile West of 5 Ash boat ramp	?	2010	5/29/2010	Saturday	1	\$0	0	1	No	?	?
OK-2006-0075	Eufaula Lake	McIntosh	Dock	?	2006	8/27/2006	Sunday	2	\$5,350	0	0	No	?	?
OK-2009-0029	Eufaula Lake	Pittsburg	Dock	?	2009	6/18/2009	Thursday	1	\$1,700	0	2	Yes	?	?
OK-2004-0038	Eufaula Lake	McIntosh	Mid-Channel Marker	?	2004	7/11/2004	Sunday	1	\$0	0	1	Yes	?	?
OK-2009-0004	Eufaula Lake	Pittsburg	Open Water	?	2009	3/10/2009	Tuesday	1	\$0	0	2	No	?	?
OK-2003-0027	Eufaula Lake	McIntosh	?	?	2003	6/29/2003	Sunday	1	\$200	0	1	No	?	?
OK-2004-0043	Eufaula Lake	McIntosh	?	?	2004	7/5/2004	Monday	2	\$1,000	0	1	No	?	?

Lake Area Number	# of Boating Accidents	# of Vessels Involved	# of Injuries	# of Fatalities	Property Damage Amount
1	0	0	0	0	0
2	4	5	5	1	\$21,900
3	27	40	26	7	\$124,450
4	11	18	16	1	\$98,800
5	0	0	0	0	0
6	9	10	7	3	\$2,950
Unknown	7	9	8	0	\$8,250



Year	# of Boating Accidents
2003	9
2004	8
2005	5
2006	8
2007	7
2008	2
2009	6
2010	5
2011	8

**# of Boating Accidents by Year  
2003 - 2011**



# Appendix G

## Public Fatality Database



Public Fatalities  
Eufaula Lake  
1999 - 2011

XCOORD	YCOORD	Lake Area Number	ID	SWT_REPORT	PROJ	YEAR	DATE	DAY	TIME	LOCATION	LEASE	DESCRIPTOR	SEX	AGE	ETHNICITY	ALCOHOL	PFD AVAIL	PFD USED	DETAILS	INCIDENTS	Link
254636	3884651	6	21	SWT-99-810	OD-EE	1999	30-Apr-99	FRIDAY	20:45	CARDINAL POINT	N	BOAT-DROWN	F	30	U	N	U	N	Victim and family (5) were checking trotline in bad weather, boat capsized and victim drowned. Ref. 99-809-807.	4	A
254636	3884651	6	22	SWT-99-809	OD-EE	1999	30-Apr-99	FRIDAY	20:45	CARDINAL POINT	N	BOAT-DROWN	M	3	U	N	Y	Y	Victim and family (5) were checking trotline in bad weather, boat capsized and victim drowned. Ref. 99-810, 808 & 807.	4	A
254636	3884651	6	23	SWT-99-808	OD-EE	1999	30-Apr-99	FRIDAY	20:45	CARDINAL POINT	N	BOAT-DROWN	M	23	U	N	N	N	Victim and family (5) were checking trotline in bad weather, boat capsized and victim drowned. Ref. 99-810, 809 & 807.	4	A
254636	3884651	6	24	SWT-99-807	OD-EE	1999	30-Apr-99	FRIDAY	20:45	CARDINAL POINT	N	BOAT-DROWN	F	11	U	N	N	N	Victim and family (5) were checking trotline in bad weather, boat capsized and victim drowned. Ref. 99-810, 809 & 808..	4	A
282356	3915203	4	38	SWT-99-811	OD-EE	1999	21-Jun-99	MONDAY	15:30	PORUM LANDING	N	BOAT-DROWN	M	34	U	N	U	N	Victim fell into water while fishing from boat, possible heart attack or seizure.	1	
262839	3877650	2	32	SWT-99-813	OD-EE	1999	03-Jul-99	SATURDAY	13:00	HOLIDAY COVE	U	BOAT-DROWN	M	52	U	Y	Y	N	Victim was on front deck of vessel, was thrown from bow and did not resurface. Upon recovery, head region had lacerations.	1	
257960	3871951	6	33	SWT-00-815	OD-EE	1999	31-Jul-99	SATURDAY	17:30	HWY 31 LANDING	N	DROWN	M	17	U	N	N	N	Victim reportedly went swimming to cool off, swam a short distance, started struggling, went under and did not resurface.	1	
272838	3902314	3	36	SWT-00-805	OD-EE	2000	05-Mar-00	SUNDAY	10:15	HWY 9 EAST	N	BOAT-DROWN	M	52	U	N	U	N	Victim and grandson were fishing, boat took on water and capsized, victim drown but grandson was rescued. Cold water conditions.	1	
257889	3931040	1	31	SWT-00-806	OD-EE	2000	01-Apr-00	SATURDAY	16:00	GENTRY CREEK	N	DROWN	M	58	U	N	U	N	Victim fell from boat dock and drowned. Cold water conditions.	1	
254721`	3888348	6	26	SWT-00-810	OD-EE	2000	10-Jun-00	SATURDAY	4:00	CROWDER POINT	Y	DROWN	M	34	U	Y	U	N	Victim was with friends, jumped or fell from 20' cliffs, became disoriented and swam away from shore, went under and never resurfaced.	1	
257960	3871951	6	34	SWT-00-827	OD-EE	2000	12-Sep-00	TUESDAY	14:10	HWY 31 LANDING	N	BOAT-DROWN	F	59	U	N	U	N	Victim was fishing in small boat with son, son fell into water and victim attempted to rescue and drowned in process.	2	B
257960	3871951	6	35	SWT-00-826	OD-EE	2000	12-Sep-00	TUESDAY	14:10	HWY 31 LANDING	N	BOAT-DROWN	M	37	U	N	U	N	Victim was fishing in small boat with mother, fell from boat, boat drifted away as mother attempted to rescue. Both parties drowned.	2	B
260923	3892105	6	18	SWT-01-812	OD-EE	2001	09-Jun-01	SATURDAY	15:00	ARROWHEAD ST PARK	Y	DROWN	M	4	U	N	N	N	Victim was left unattended near shoreline, became missing and was found in the water later in the day.	1	

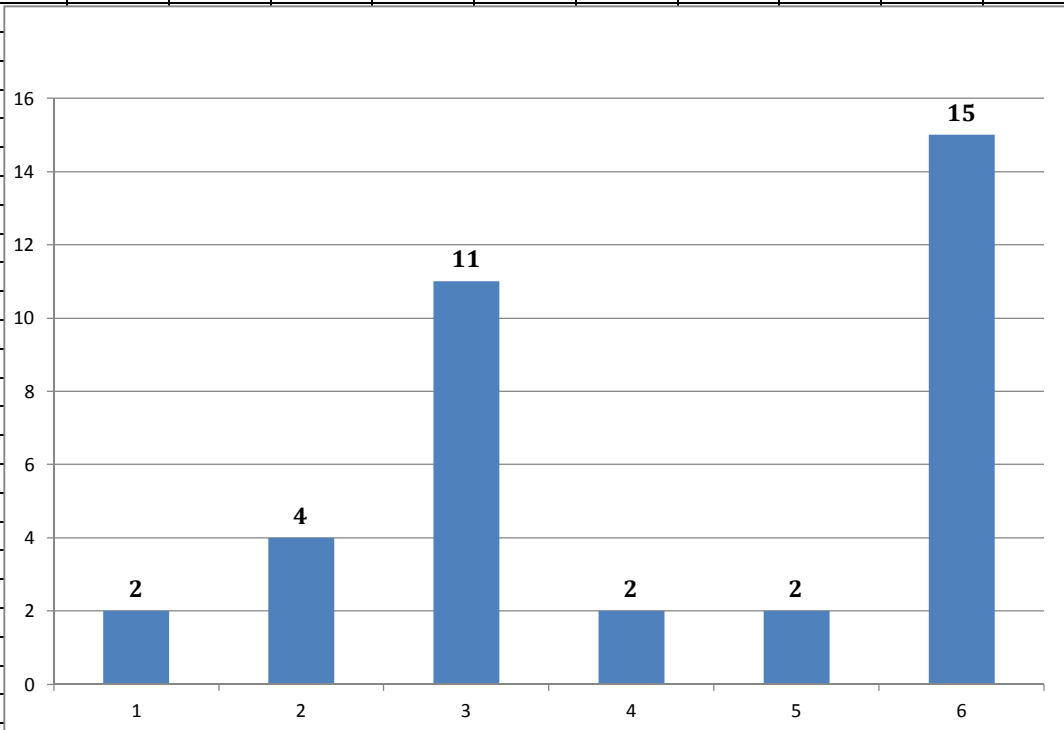
Public Fatalities  
Eufaula Lake  
1999 - 2011

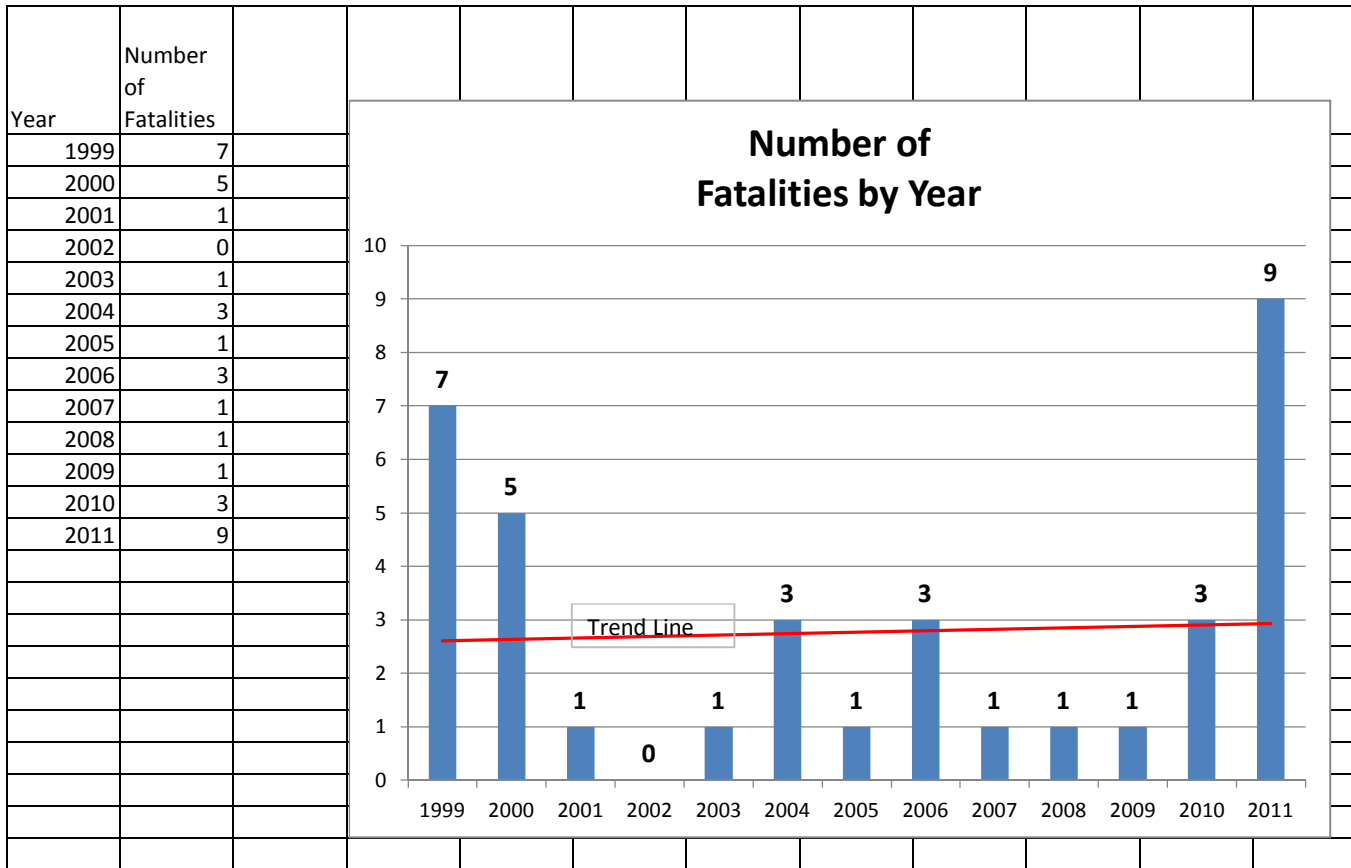
XCOORD	YCOORD	Lake Area Number	ID	SWT_REPORT	PROJ	YEAR	DATE	DAY	TIME	LOCATION	LEASE	DESCRIPTOR	SEX	AGE	ETHNICITY	ALCOHOL	PFD AVAIL	PFD USED	DETAILS	INCIDENTS	Link
254721`	3888348	6	27	SWT-03-818	OD-EE	2003	18-Aug-03	MONDAY	15:30	CROWDER POINT	Y	BOAT-DROWN	M	81	U	N	Y	N	Victim exited boat to work on motor and could not get back in. Swam to shore holding PFD and was found by public later.	1	
254636	3884651	6	25	SWT-04-802	OD-EE	2004	03-Jan-04	SATURDAY	7:30	CARDINAL POINT	N	BOAT-DROWN	M	49	U	N	Y	N	Victim had boat pulled up to shoreline. Boat started drifting off shoreline and victim attempted to swim to boat.	1	
269389	3912411	3	19	SWT-04-807	OD-EE	2004	04-Jul-04	SUNDAY	2:40	BELLE STARR	N	BOAT-DROWN	M	54	U	Y	Y	N	Victim was in vessel that was struck by another vessel. Cause of death was not determined.	1	
264337	3915985	2	39	SWT-04-810	OD-EE	2004	31-Jul-04	SATURDAY	15:00	ROLLING OAKS	U	BOAT-DROWN	M	12	U	N	Y	Y	Victim was struck by another PWC, fell into the water unconscious and drown.	1	
269389	3912411	3	20	SWT-05-818	OD-EE	2005	12-Aug-05	FRIDAY	18:00	BELLE STARR	N	BOAT-DROWN	F	11	U	N	Y	Y	Victim was riding PWC and was struck by another. Cause of death was drowning.	1	
256038	3889709	6	201	SWT-06-808	OD-EE	2006	27-May-06	SATURDAY	13:15	CROWDER CITY PARK	Y	DROWN	F	5	U	N	N	N	Victim was swimming with family members, became missing and was located under the water in swim area.	1	
265560	3907086	3	30	SWT-06-814	OD-EE	2006	28-Jul-06	FRIDAY	17:08	EUFAULA COVE	Y	DROWN	M	51	W	N	Y	N	Victim swam from marina to retrieve a remote controlled boat, went under and did not resurface.	1	
263750	3903667	5	28	SWT-06-815	OD-EE	2006	02-Aug-06	WEDNESDAY	12:30	EAGLE BLUFF	N	DROWN	M	21	U	Y	N	N	Victim was swimming with friend, stepped off into deep water, went under and did not resurface.	1	
273745	3902195	3	37	SWT-07-817	OD-EE	2007	12-Aug-07	SUNDAY	22:22	HWY 9 SOUTH	N	BOAT-DROWN	M	42	U	Y	Y	N	Victim was thrown from vessel when it collided with another vessel.	1	
265560	3907086	3	29	SWT-08-818	OD-EE	2008	03-Aug-08	SUNDAY	1:30	EUFAULA COVE	Y	DROWN	F	62	W	Y	N	N	Victim reportedly slipped when entering a vessel, fell in the water and did not resurface. No witnesses.	1	
265560	3907086	3	202	SWT-09-813	OD-EE	2009	24-Sep-09	THURSDAY	13:50	EUFAULA COVE	U	BOAT-DROWN	M	68	U	N	N	N	Victim was a passenger aboard a vessel when the operator of the vessel suddenly throttled down, caused the victim to fall overboard. Victim went underwater and did not resurface.	1	
261838	3896555	6	217	SWT-10-803	OD-EE	2010	21-May-10	FRIDAY	21:55	ARROWHEAD ESTATES	Y	BOAT-DROWN	M	22	U	Y	N	N	Victim fell head-first into water from vessel and did not resurface.	1	
264181	3897421	6	228	SWT-10-814	OD-EE	2010	12-Aug-10	TUESDAY		GAINES CREEK	N	DROWN	M	39	U	N	N	N	Victim had been given permission by an adjacent landowner to access lake and swim on 9 Aug 2010. Landowner reported missing on 12 Aug 2010 - OHP Lake Patrol.	1	

Public Fatalities  
Eufaula Lake  
1999 - 2011

XCOORD	YCOORD	Lake Area Number	ID	SWT_REPORT	PROJ	YEAR	DATE	DAY	TIME	LOCATION	LEASE	DESCRIPTOR	SEX	AGE	ETHNICITY	ALCOHOL	PFD AVAIL	PFD USED	DETAILS	INCIDENTS	Link
271825	3909196	4	229	SWT-10-815	OD-EE	2010	04-Sep-10	SATURDAY	18:22	STANDING ROCK	N	BOAT-IMPACT	M	38	W	Y	N	N	Victim's boat was stopped when struck in the rear by boat traveling approximately 40 MPH, landing on top of it. Driver left scene.	1	
267025	3914941	3	237	SWT-11-809	OD-EE	2011	22-May-11	SUNDAY	20:00	INDIAN SPRINGS	N	BOAT-DROWN	M	47	U	N	N	N	OHP notified of 2 missing persons on a boat in the area of Indian Springs Cove. Located capsized vessel. On 23 May both bodies were recovered.	2	C
267025	3914941	3	237 A	SWT-11-810	OD-EE	2011	22-May-11	SUNDAY	20:00	INDIAN SPRINGS	N	BOAT-DROWN	M	66	U	N	N	N	OHP notified of 2 missing persons on a boat in the area of Indian Springs Cove. Located capsized vessel. On 23 May both bodies were recovered.	2	C
261015	3921516	2	240	SWT-11-812	OD-EE	2011	29-May-11	SUNDAY	14:00	EUFAULA STATE PARK	N	DROWN	F	42	U	N	N	N	Swimming and fell into a hole, did not resurface.	1	
263034	3924797	2	241	SWT-11-813	OD-EE	2011	01-Jun-11	WEDNESDAY	14:46	ENCHANTED OAKS SUBDIVISION	N	DROWN	M	49	U	N	N	N	Victim reported missing. Last seen looking for his dog. Found by OHP in 2 feet of water near the subdivision.	1	
261170	3928097	1	243	SWT-11-815	OD-EE	2011	19-Jun-11	SUNDAY	13:45	PARADISE POINT	N	DROWN	M	13	U	N	N	N	Victim tried to save his sister who panicked when she entered into the water. Victim went under and did not resurface.	1	
254721	3888348	6	249	SWT-11-822	OD-EE	2011	21-Jul-11	THURSDAY	1:00	CROWDER POINT	Y	DROWN	M	51	U	Y	N	N	Victim fell from boat into mud on the shoreline. Victim then entered into the water to wash off the mud and went under water and did not resurface.	1	
263750	3903667	5	251	SWT-11-824	OD-EE	2011	24-Jul-11	SUNDAY	18:15	EAGLE BLUFF	N	DROWN	M	59	U	N	N	N	Victim was bluff jumping with friend. Appeared to panic and went under water and did not resurface.	1	
273745	3902195	3	255	SWT-11-828	OD-EE	2011	31-Jul-11	SUNDAY	17:30	HWY 9 SOUTH	N	BOAT-DROWN	M	41	U	Y	Y	N	Jumped from boat and did not resurface.	1	
265560	3907086	3	256	SWT-11-829	OD-EE	2011	20-Aug-11	SATURDAY	15:30	EUFAULA COVE	Y	DROWN	M	21	U	N	N	N	Swimming with his brother, went under water and did not resurface.	1	

Lake Area #	Number of Fatalities
1	2
2	4
3	11
4	2
5	2
6	15









Lake Area #	Total Number of Fatalities 2000-2011	Total Visitor Days 2000-2011	Frequency Rate (FR = # of Fatalities per Million Visitor days)				
1	2	596,522	3.36				
2	4	596,522	6.71				
3	11	6,860,004	1.6				
4	2	3,579,133	0.56				
5	2	1,491,305	1.34				
6	15	16,702,620	0.9				

