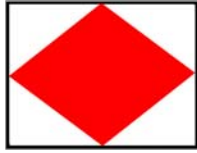


F CL



2016 Clean Up Report



The Friends of Claytor Lake, Inc.

February 17, 2017



Table of Contents:

2016 Clean Up Report:
History.....
2016 Clean Up Work
2016 Results
Clean Up Day.....
Upper Lake Abutment.....
2017 Estimates

History:

FOCL

The Friends of Claytor Lake (FOCL's) mission statement states FOCL is dedicated to preserving and protecting the quality, sustainability, and tranquility of the environment of Claytor Lake for all. FOCL obtained 501(c)(3) status in 1999 initially and permanently in 2005. Clean up is an integral part of our mission.



History & Equipment

In 1992 FOCL began clean up in response to Peak Creek becoming blocked by debris and running red in color. FOCL began with volunteers and open boats hauling out trash and debris.



These dedicated few evolved into a major operation through the dedicated efforts of many volunteers and partners. In 2012 our current effort included a four person crew working

with 2 barges holding roll-off dumpsters, a conveyor sitting atop a third barge, small salvage boat, and a small v-hull fishing boat. The crew worked in the water with chain saws clearing woody debris and trash from the shore. The majority of debris was harvested by an excavator operating on barges. Smaller debris is pushed onto a conveyor which loaded it into roll off containers. Trash, tires, and other objects are raked out, picked up and bagged, and transported to county landfill facilities provided by Pulaski County.

Clean up is funded from many sources including Pulaski County, American Electric Power, and FOCL donations from a variety of sources. Clean up at Claytor Lake serves 2100 lake affected residents along with the estimated 453,743 visitors to the Claytor Lake State Park and public boat landings plus those from private marinas annually. The average dumpster roll-off weighs an estimated minimum of 15 tons with water logged woody debris. In addition, 100 trash bags equals a full roll-off at an estimated 4-5 tons.

Previous Year Totals:

2015: 232.75 Roll-Offs, 452.5 Bags of Trash, 42 Tires/Wheel, 6 55 Gallon Barrels, 13 Docks, 1 Freezer, 1 Water Heater, 1 Propane Tank, 1 Tractor Tire

2014: 304.5 Roll-Offs, 637 Bags of Trash, 179 Tires/Wheels, 24 55 Gallon Barrels, 35.5 Docks, 1 Freezer, 1 Water Heater, 1 Propane Tank, 1 Waterski Jump, 1 Metal Boat House, 1 Car Gas Tank, and 1 set of steps.

2013: 305- roll-offs, 380 Trash Bags, 85 Tires, 15- 55 gal. barrels, 3 propane tanks, 25 docks, and 2 refrigerators.

2012: 147 Roll-Offs, 301 Trash Bags, 46 Tires, 4 Docks, and 3 55 Gallon Barrels

2011: 234.5 Roll-Offs, 388 Trash Bags, and 86 Tires

2010: 209 Roll-Offs, 294 Trash Bags, and 52 Tires

2016 Clean Up Work:

The 2016 season saw a dramatic decrease of clean up collection in regards to debris. The main attributes of this was a generally pleasant season weather wise along with the improved efficiency of the clean up crew and equipment in keeping the Claytor Lake debris removed quickly.

Much needed repairs to the barges and conveyor also improved work efficiency with the smaller type of debris unable to be collected by the barges and excavator.



Homeowners have been very impressed with the operation this year and we received a record number of calls with praise of the job our crew was doing on the lake in the residential areas and public boat ramps.

In December, the crew began burning the debris pile at Big Hole Hollow in order to prepare the area for 2017 and all clean up operations were completed on February 10, 2017.

Community Foundation of the NRV:

The Friends of Claytor Lake were successful in their bid for an operational grant for environmental use in the amount of \$4,000. FOCL has used these funds to upgrade our smaller flat bottom boats to replace the ones that are starting to have structural problems leading to water leaks.

Monitoring and Inspection:

Continued joint efforts monitoring and monthly inspection of the lake by FOCL and AEP. These inspections continued every month with a team from FOCL and AEP with occasional inclusion of Pulaski County. The lake was visually inspected from the water from Allisonia to the Dam to determine priority cleaning areas and progress. This year, as last, donations were sought and received from businesses to support FOCL's 2016 clean up operation. Gatorade donated all the Gatorade for our crew, Walmart donated numerous gift cards, Virginia Eagle donated bottled water, Conrad Brothers Marine donated repair, launch, and storage facilities, Valley Welding donated discount repair and fabrication services. Jackson Beamer, FOCL's Vice President, donated the use of his dock to allow the crew to park the FOCL boat and avoid any theft of gear and items as experienced in 2013.

2016 Clean Up Day:

The 2016 ALL LAKE CLEAN UP had its annual event on June 25, 2016. Drop off stations were set up at the Claytor Lake State Park, Harry DeHaven Park, and the Shop-Eez at Lowman's Ferry Bridge for anyone on the lake to collect trash. FOCL provided bags and other materials to help boaters keep our lake clean and beautiful. Fortunately this year the lake hadn't accumulated a lot of trash that hadn't already been collected by our Clean Up crew. None the less, everyone went out in droves to collect what trash they could find.

The Friends of Claytor Lake would like to thank all those involved for helping us keep our great lake clean! [#keepclaytorclean!](#)



2016 Clean Up Operations:

2016 showed to be another good collection year. Absent of the abundant flooding from 2013 which effected 2014 clean up efforts, and the hard work by the crew in 2015, quickly made the best efforts to reach not only the frequently visited areas that collected trash but to get into areas where past clean up years have overlooked.

Roll Off Loads of Woody Debris	191.75
Bags of Trash	410
Tires/Wheels	48
55 Gallon Barrels	11
Docks	14
Pipe	1
Picnic Table	1
Metal Steps	1



2016 Clean Up Budget:

2016 Clean Up Expense Breakdown

CATEGORY	EXPENDITURES	TOTAL
Repairs	\$ 5,254.07	
Parts	\$ 9,656.09	
Gas	\$ 4,551.84	
Payroll	\$ 55,306.13	
Equipment	\$ 33,496.53	
Abutment	\$ 110,499.67	
Reporting/Storage	\$ 602.44	
Executive Dir. Pay	\$ 10,000.00	
Water Quality	\$ 8,463.60	
	Total Clean Up: \$ 237,830.37	

Upper Lake Abutment:

The Friends of Claytor Lake completed construction of the abutment off Clark Road in the upper part of Claytor Lake in September 2016. Virginia Shoreline was contracted to do the construction, which was previously approved by Appalachian Power, Pulaski County Board of Supervisors, and Virginia Department of Transportation. The abutment allowed FOCL's 2016 Clean Up operations to get over Loman's Ferry Bridge and begin cleaning up the upper part of Claytor Lake. This project took close to two years to develop and permit, and has an estimated cost of \$200,000. The abutment allows FOCL to provide clean up services to those in the upper lake, and we remain very excited to continue this new chapter in our clean up program.



2017 Estimates:

With clean up operations expanding to the upper part of Claytor Lake, from Lowman's Ferry Bridge to Allisonia, FOCL expects to have a significant increase of operation expenditures. With the lake being harder to maneuver for our barges and time and energy used in the transfer of equipment to operate the upper part of the lake, all aspects of clean up will be effected. 2017 goal is to being operations in the upper part in order to prevent most debris from floating down the lake resulting in the crew spending the majority of time in certain areas surrounding DeHaven park.

The Friends of Claytor Lake are still trying to finalize an area to unload the debris that is close to the Clark Road abutment and saving the crew time and fuel in reloading. All of this obviously will depend on equipment readiness and weather for operations in the upper lake. It is FOCL's goal to have the upper lake serviced by the end of April where by we can transfer all the equipment to the lower part of Claytor Lake in May.

FOCL estimates that the clean up operations will meet or exceed \$170,000 in operational costs for the season which includes the burning of the debris fields in late November or early December. Given that there will be a drawdown this year, all equipment will have to be out of the water prior to drawdown.

FOCL Clean up breakdown:

Date	Location Number	Location Description	Roll off Loads	Tires / Tires	Trash Bags	Barrels	Docks	Miscellaneous
28-Apr	1	Upper Peak Creek	1					
9-May	2	Claytor Lake Estates	3			1		
11-May	3	DeHaven Park Inlet	3					
12-May	3	DeHaven Park Inlet				1		
16-May	3	DeHaven Park Inlet	3	2	8			
17-May	3	DeHaven Park Inlet	3					
18-May	4	DeHaven Park Shoreline	1	1	5			
19-May	2	Claytor Lake Estates	4		11			
23-May	2	Claytor Lake Estates	1		9			
24-May	2	Claytor Lake Estates	3		6			
25-May	2	Claytor Lake Estates	2.5		8			
26-May	5	Lakeview		3	33			
31-May	1	Upper Peak Creek						1 plastic pipe
31-Mat	3	DeHaven Park Inlet			1			
3-Jun	5	Lakeview	4					
6-Jun	5	Lakeview	3.75					
7-Jun	5	Lakeview	1		1			
8-Jun	5	Lakeview	2.5					
9-Jun	5	Lakeview	3	2	3			
13-Jun	6	Shadowland		1	4			
13-Jun	6	Shadowland	2.5	1	5			
15-Jun	6	Shadowland	4	1	6			
16-Jun	6	Shadowland	4	1	8			
20-Jun	7	Cabin Land		1	16			
21-Jun	8	Shoreline Across from Cabin Land	4		1			
22-Jun	8	Shoreline Across from Cabin Land	4		16			
29-Jun	8	Shoreline Across from Cabin Land	1		4			
30-Jun	8	Shoreline Across from Cabin Land	5	3	2			
5-Jul	8	Shoreline Across from Cabin Land		2	1			
6-Jul	9	Shoreline Across from Shadowland	2	2	11	1	1	
7-Jul	9	Shoreline Across from Shadowland	1	3	5			
8-Jul	9	Shoreline Across from Shadowland	2.5					
12-Jul	10	Shoreline - Cliffs & Cliff View	1		4			
13-Jul	10	Shoreline - Cliffs & Cliff View	3					
14-Jul	10	Shoreline - Cliffs & Cliff View	3.5	1	2		1	
18-Jul	10	Shoreline - Cliffs & Cliff View			2	2		
19-Jul	10	Shoreline - Cliffs & Cliff View	2		2			
20-Jul	11	Twin Hollow	2	1	4			
21-Jul	11	Twin Hollow	6		10			
25-Jul	11	Twin Hollow	5		18	2	2	
26-Jul	11	Twin Hollow	4		16			
27-Jul	11	Twin Hollow	2		12			
28-Jul	11	Twin Hollow	3		3		1	
1-Aug	12	Shoreline - Hilton to Allison Road Cove	2	2	2			
2-Aug	12	Shoreline - Hilton to Allison Road Cove	2	1	2			
3-Aug	12	Shoreline - Hilton to Allison Road Cove	3		2			
8-Aug	12	Shoreline - Hilton to Allison Road Cove	1		2			
9-Aug	13	Shoreline - Allison Rd Cove to Nunn Hollow	2		4			
10-Aug	13	Shoreline - Allison Rd Cove to Nunn Hollow	2					
11-Aug	13	Shoreline - Allison Rd Cove to Nunn Hollow	3		1			1 Picnic table
15-Aug	13	Shoreline - Allison Rd Cove to Nunn Hollow	2		3			
16-Aug	13	Shoreline - Allison Rd Cove to Nunn Hollow	2		2			
17-Aug	13	Shoreline - Allison Rd Cove to Nunn Hollow	1	1	3			
18-Aug	14	Nunn Hollow	4	1	5			
19-Aug	14	Nunn Hollow	5	1				
23-Aug	14	Nunn Hollow	1	2	5			
24-Aug	14	Nunn Hollow	1		5			
25-Aug	14	Nunn Hollow	1		8	1	1	

29-Aug	15	Shoreline - Clapboard Hollow to Twin Hollow				4
30-Aug	16	Shoreline - Lowmans Bridge to Lizard Lodge	2			3
31-Aug	15	Shoreline - Clapboard Hollow to Twin Hollow	3			4
1-Sep	15	Shoreline - Clapboard Hollow to Twin Hollow				7
2-Sep	15	Shoreline - Clapboard Hollow to Twin Hollow	4			
6-Sep	17	State Park - Coves at Park Mgr and Cabins	1			1
7-Sep	17	State Park - Coves at Park Mgr and Cabins	1			4
8-Sep	18	Shoreline - State Park Cabins to Hidden Valley	2	2		3
12-Sep	17	State Park - Coves at Park Mgr and Cabins	2.5	1		5
13-Sep	18	Shoreline - State Park Cabins to Hidden Valley	2	4		5
14-Sep	18	Shoreline - State Park Cabins to Hidden Valley	2			6
15-Sep	18	Shoreline - State Park Cabins to Hidden Valley	1.5	1		3
20-Sep	18	Shoreline - State Park Cabins to Hidden Valley	2			5
21-Sep	19	Hidden Valley	1			
22-Sep	19	Hidden Valley	1.5			3
27-Sep	20	Smith Hollow	4			3
28-Sep	20	Smith Hollow	3.5	1	3	1
29-Sep	20	Smith Hollow	1.5			
3-Oct	20	Smith Hollow	1			5
4-Oct	21	Felts Hollow	1	1	6	2
5-Oct	21	Felts Hollow	2			5
6-Oct	22	Cove at Bryd Lodge	1			1
10-Oct	23	Cook Hollow	1			2
11-Oct	24	Shoeline at AEP Cabin	1	1	2	
11-Oct	25	Behind island at dam	1.5			
12-Oct	26	Spooky Hollow	4	1	3	
13-Oct	27	Cove upstream of Big Hole Hollow	1			4
19-Oct	27	Cove upstream of Big Hole Hollow	1			1
20-Oct	1	Upper Peak Creek	1	3	5	
24-Oct	1	Upper Peak Creek	1			12
25-Oct	9	Shoreline Across from Shadowland	3		1	1
26-Oct	9	Shoreline Across from Shadowland	1			5
27-Oct	9	Shoeline Across from Shadowland	1			4
27-Oct	28	Cove at Shop Eze				1 Metal Steps
31-Oct	9	Shoreline Across from Shadowland	1			
3-Nov	29	Big Hole Hollow				5
7-Nov	29	Big Hole Hollow				10
8-Nov	30	Lakeland Shoreline	1			3
23-Nov	31	Baptist Church Hollow	1.5			