

US Army Corps of Engineers®

FY98-FY23 USACE Public Recreation Fatalities Data Summary

13 Dec 2023

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Executive Summary

The U.S. Army Corps of Engineers (USACE) National Operations Center for Water Safety, a.k.a. USACE National Water Safety Program, was established in 1994 and has been tracking USACE public recreation fatality statistics and trends since 1998. This data summary includes summary sheets for USACE and their divisions, line graph showing the number of USACE water-related public recreation fatalities back to 1971, causes of death, and fatalities by month, day, and time.

As shown on the line graph on page 2, 162.5 is the annual average of USACE water-related public recreation fatalities since 1987, which is the year after USACE began promoting water safety nationwide through a unified safety education campaign and 155.2 fatalities is the annual average over the last five years (FY19-23).

The line graph also shows that since 1987 the highest number of USACE water-related public recreation fatalities occurred in 1998, 214 fatalities, and has not exceeded 200 fatalities since then. The lowest number of water-related fatalities since 1987 occurred in 2015, 118 fatalities. This shows that the unified approach of promoting water safety is working, but more needs to be done to bring the number of fatalities even lower including focusing on the target audience and increasing life jacket wear.

The FY98-23 summary sheet on page 3 shows that 88% of the public recreation fatalities were male, 89% were not wearing a life jacket, 82% were 18 or older, 47% were swimming in undesignated areas, 20% were from falls from boats, docks, and shore, and 21% alcohol was involved or suspected. The ten year, FY23, FY22, and division summary sheets show similar statistics. Knowing these statistics makes the target audience at USACE lakes and river projects when it comes to water safety adult males not wearing life jackets, so we must focus on them through education and enforcement.

Page 8 shows that most USACE public recreation fatalities occur in the months of May through August with June and July having the highest number of fatalities, on Saturdays and Sundays, between 1400 and 1800 hours.

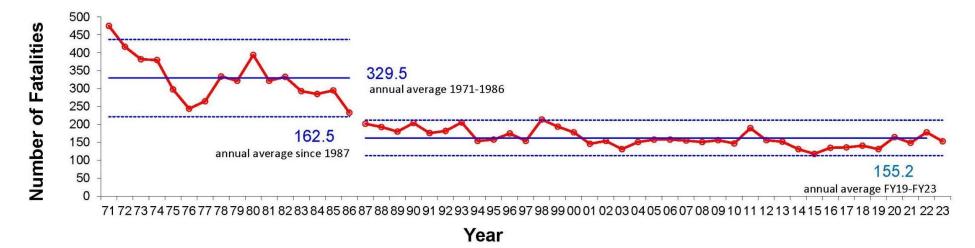
The spreadsheet on page 9 shows the number of public recreation fatalities broken down by USACE divisions and districts from FY98-FY23. In FY22, there were 184 public recreation fatalities and in FY23 there were 161, which is a 13% decrease.

In FY22, the breakdown by division is LRD 27, MVD 12, NAD 4, NWD 24, SAD 38, SPD 4, and SWD 75 and the districts with the most fatalities include SWF 41, SAM 23, SWT 18, SWL 16, and LRN 13.

In FY23, the breakdown by division is LRD 33, MVD 8, NAD 2, NWD 17, SAD 29, SPD 5, and SWD 67 and the districts with the most fatalities include SWF 34, SWT 20, LRN 17, SAM 14, and SWL 13.

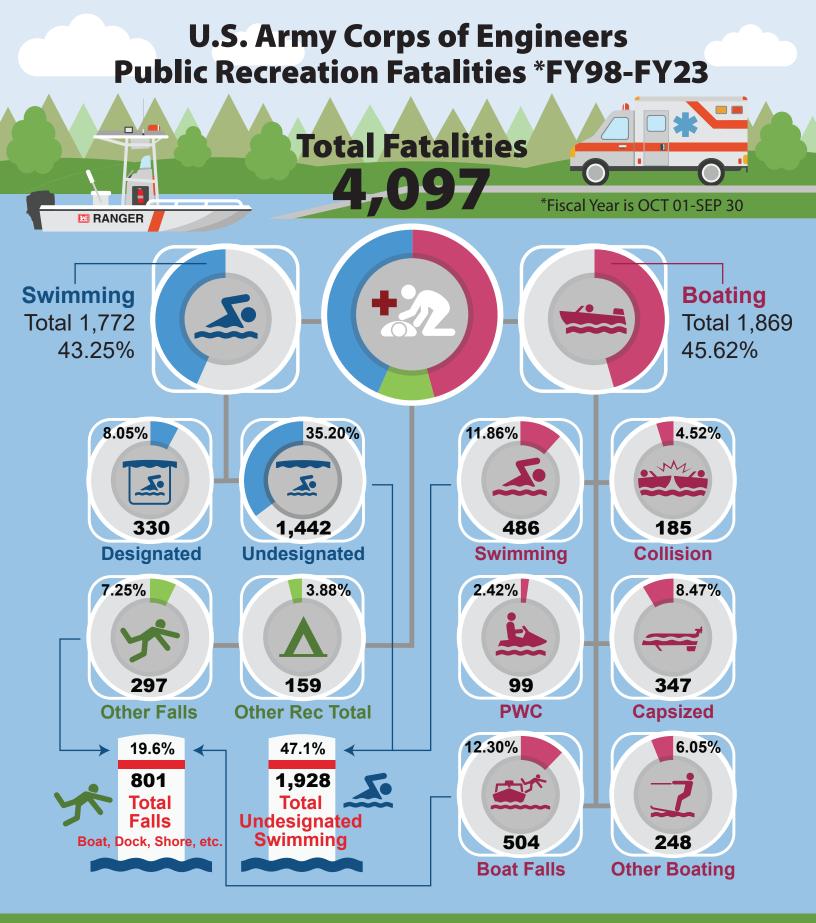
If it wasn't for the hard work and dedication of USACE employees across the nation promoting water safety the numbers in this data summary would be higher, so that is something to be thankful for, but there is still work that needs to be done. Remember that the target audience is adult males not wearing life jackets at USACE lakes and river projects, so please do whatever you can to increase the number of adults wearing life jackets.

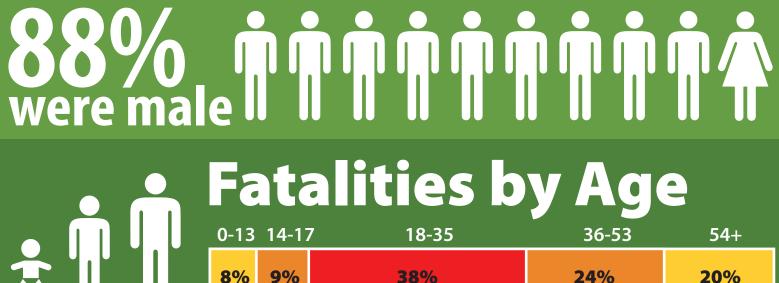
USACE Public Recreation Water-Related Fatalities



- Notes: 1971 Enactment of the Federal Boat Safety Act, U.S. Coast Guard and the States began working within the forum of National Association of State Boating Law Administrators (NASBLA)
 - 1986 USACE began promoting water safety nationwide through an annual, unified safety education campaign
 - 1994 USACE National Operations Center (NOC) for Water Safety was established
 - 1998 NOC began quantifying water-related public recreation fatalities data

USACE PUR	olic Recr	eation	Fatalit	ies On	e-Page	e Summ	ary FY	98 - FY	′23 ##	
Activity Summary	Number	% of	1							
		Total								
Swimming Total	1772	43.25%								
Designated Area	330	8.05%								
Undesignated Area	1442	35.20%	\rightarrow	То		signated			47.1%	
Boating Total	1869	45.62%			Total Fa	lls Boat, D	ock, Sho	ore, etc.	19.6%	
Swimming	486	11.86%	Y '	77						
Collision	185	4.52%								
PWC	99	2.42%								
Capsized	347	8.47%	1//							
Falls from Boat	504	12.30%	Υ /							
*****Other Boating	248	6.05%								
Other Falls	297	7.25%	ν							
Other Recr Total	159	3.88%								
TOTAL	4097	100.0%								
				Cate	gory Sum	nmary				
	Gender		%			*Wearin	ng PFD	%		
	460	Female	11.2%			YES	228	5.6%		
		Male	88.3%			NO	3653	89.2%		
		Unknown	0.5%			Unknown	101	2.5%		
	4097	Total				*N/A	115	2.8%		
	C 0	mmon Ag	e Grouping	<u> </u>	3		4097			
	13 and under		8%	s 331	**Alco	hol/Drug	%	###Outo	ranted	%
	Age14-17		9%	363	YES	702	17%	YES	239	25%
	Age18-35		38%	1555	NO	1840	45%	NO	707	75%
	Age36-53		24%	985	#SUSP	167	4%	•	946	
	Age 54 & Ove	ər	20%	802	Unk	1388	34%			
				4097		4097				
			rouningo		•	**** Swimmin Designated		(incl boat8	swim) 324	%
		0 Yr Age (Joupings			Designated	Area		.3/4	14%
				214						000
	Age 0-9		5%	214 849	-	U ndesignate			1940	86%
	Age 0-9 Age 10-20		5% 21%	849		Undesignate	ed Area		1940	86%
	Age 0-9 Age 10-20 Age 21-30		5%				ed Area	***Cause		86%
	Age 0-9 Age 10-20		5% 21% 21%	849 868 624		Undesignate Total Swimr D = Drownin	ed Area ning Only	***Cause	1940	
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60		5% 21% 21% 15%	849 868 624		Undesignate Total Swimr D = Drownir T = Trauma	ed Area ning Only ng	***Cause	1940 2264	86.0%
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70		5% 21% 21% 15% 13% 11% 7%	849 868 624 542 443 299		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot	ed Area ning Only ng hermia	***Cause	1940 2264 3525 409 59	86.0% 10.0% 1.4%
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over		5% 21% 21% 15% 13% 11% 7% 5%	849 868 624 542 443 299 197		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica	ed Area ning Only ng hermia	***Cause	1940 2264 3525 409 59 25	86.09 10.09 1.49 0.69
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70	n	5% 21% 21% 15% 13% 11% 7%	849 868 624 542 443 299 197 61		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea	ed Area ning Only ng hermia I at Related		1940 2264 3525 409 59 25 3	869 86.09 10.09 1.49 0.69 0.19
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over	1	5% 21% 21% 15% 13% 11% 7% 5%	849 868 624 542 443 299 197		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea ***CO = Cal	ed Area ning Only ng hermia I at Related rbon Mono		1940 2264 3525 409 59 25 3 24	86.09 10.09 1.49 0.69 0.19 0.69
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over	<u>ו</u>	5% 21% 21% 15% 13% 11% 7% 5%	849 868 624 542 443 299 197 61		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea	ed Area ning Only ng hermia I at Related rbon Mono		1940 2264 3525 409 59 25 3 24 52	86.0 10.0 1.4 0.6 0.1 0.6 1.3
	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknow		5% 21% 21% 15% 13% 11% 7% 5% 1%	849 868 624 542 443 299 197 61		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea ***CO = Cal	ed Area ning Only ng hermia I at Related rbon Mono		1940 2264 3525 409 59 25 3 24	86.0 10.0 1.4 0.6 0.1 0.6 1.3
Not applicable category in PF	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknow	rted in FY0	5% 21% 21% 15% 13% 11% 5% 1%	849 868 624 542 443 299 197 61 4097		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea ***CO = Car U = Unknow	ed Area ning Only ng hermia I at Related rbon Mono /n	xide	1940 2264 3525 409 59 25 3 24 52 4097	86.09 10.09 1.49 0.69 0.19 0.69 1.39 1009
Not applicable category in PF	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknow	rted in FY0	5% 21% 21% 15% 13% 11% 5% 1%	849 868 624 542 443 299 197 61 4097		Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea ***CO = Car U = Unknow	ed Area ning Only ng hermia I at Related rbon Mono /n	xide	1940 2264 3525 409 59 25 3 24 52 4097	86.09 10.09 1.49 0.69 0.19 0.69 1.39 1009
Not applicable category in PF FY06-combined alcohol/drug	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown	r <mark>ted in FY0</mark> we could s	5% 21% 21% 15% 13% 7% 5% 1%	849 868 624 542 443 299 197 61 4097	ussumed that	Undesignate Total Swimr D = Drownir T = Trauma DH = Hypot M = Medica ***HR = Hea ***CO = Car U = Unknow	ed Area ning Only ng hermia i at Related rbon Mono /n	xide hen no dru	1940 2264 3525 409 59 25 3 24 52 4097	86.09 10.09 1.49 0.69 0.19 0.69 1.39 1009
Not applicable category in PF *FY06-combined alcohol/drug **Started tracking in FY06 - ca	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown	rted in FY0 we could s de as new (5% 21% 21% 15% 13% 11% 5% 1% 1%	849 868 624 542 443 299 197 61 4097 rior data, a	ssumed tha	Undesignate Total Swimr D = Drownir T = Trauma $DH = HypotM = Medica***HR = Hea***CO = CanU = Unknowat if no alcoho2 - heat relate$	ed Area ning Only ng hermia t Related rbon Mono /n ol reported t	xide hen no dru	1940 2264 3525 409 59 25 3 24 52 4097	86.09 10.09 1.49 0.69 0.19 0.69 1.39 1009
Not applicable category in PF *FY06-combined alcohol/drug **Started tracking in FY06 - ca *** All swimming-related drow	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown	rted in FY0 we could s le as new o nally enter	5% 21% 21% 15% 13% 7% 5% 1% 1%	849 868 624 542 443 299 197 61 4097 rior data, a tarted trac	ssumed that king in FY22 pating & swin	Undesignate Total Swimr D = Drownir T = Trauma $DH = HypotM = Medica***HR = Hea***CO = CanU = Unknowat if no alcoho2 - heat relate$	ed Area ning Only ng hermia t Related rbon Mono /n ol reported t	xide hen no dru	1940 2264 3525 409 59 25 3 24 52 4097	86.09 10.09 1.49 0.69 0.19 0.69 1.39 1009
Not applicable category in PF *FY06-combined alcohol/drug **Started tracking in FY06 - ca *** All swimming-related drow ****BAC, BAE, BAM,BAS (Co Started tracking "Suspected"	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown D section sta is together so arbon monoxid nings (intentic ntrol/Speed, E	rted in FY0 we could s le as new o nally enter lectrical, C 10	6 cause and s ing water) ir carbon Mono	849 868 624 542 443 299 197 61 4097 rior data, a tarted trac	ssumed that king in FY22 pating & swin	Undesignate Total Swimr D = Drownir T = Trauma $DH = HypotM = Medica***HR = Hea***CO = CanU = Unknowat if no alcoho2 - heat relate$	ed Area ning Only ng hermia t Related rbon Mono /n ol reported t	xide hen no dru	1940 2264 3525 409 59 25 3 24 52 4097	86.09 10.09 1.49 0.69 0.19 0.69 1.39 1009
Note: Not applicable category in PF *FY06-combined alcohol/drug **Started tracking in FY06 - ca *** All swimming-related drow ****BAC, BAE, BAM,BAS (Co * Started tracking "Suspected" # Started including all public of ## In FY18, started showing	Age 0-9 Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown D section sta is together so arbon monoxid nings (intentic ntrol/Speed, E Alcohol in 20 recreation-rela	rted in FY0 we could s de as new o nally enter lectrical, C 10 ted fatalitie	6 cause and s ing water) ir carbon Mono es in FY11	849 868 624 542 443 299 197 61 4097 rior data, a tarted tract holuding bo poxide, Skiin	king in FY22 bating & swin g/Towing)	Undesignate Total Swimr D = Drownir T = Trauma $DH = HypotM = Medica***HR = Hea***CO = CanU = Unknow$	ed Area ning Only ng hermia t Related rbon Mono /n ol reported t	xide hen no dru	1940 2264 3525 409 59 25 3 24 52 4097	86.0 10.0 1.4 0.6 0.1 0.6 1.3 100







89% Were Not Wearing a Life Jacket



US Army Corps of Engineers®

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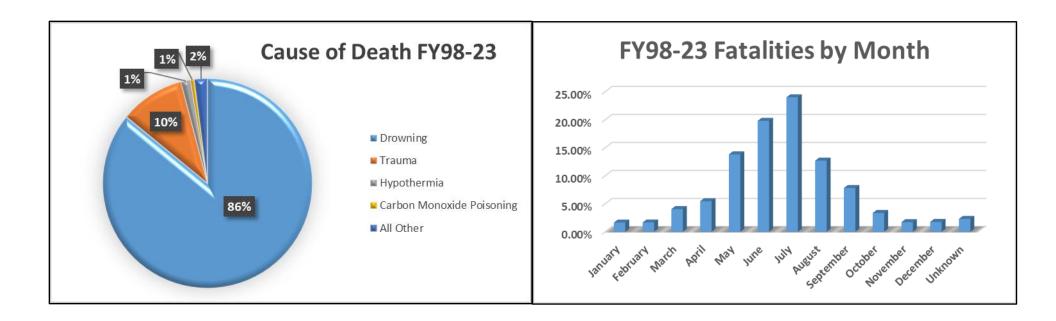
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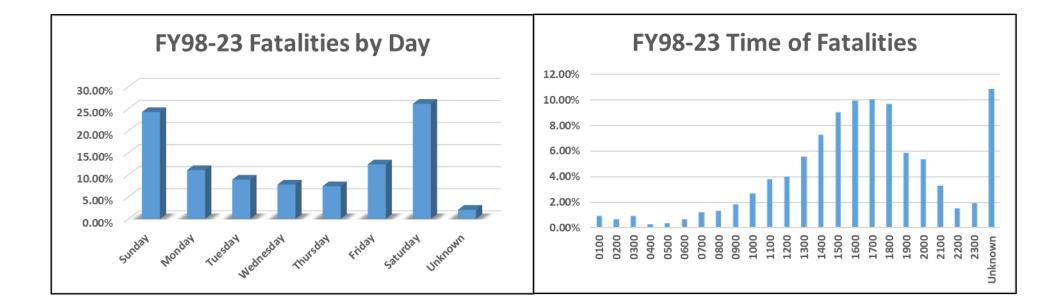


		<i></i>	1							
Activity Summary	Number	% of Total								
Swimming Total	553	37.16%								
Designated Area	90	6.05%								
Undesignated Area	463	31.12%	→	Т	otal Unde	signated	Swimmin	g Area	46.8%	
Boating Total	747	50.20%				IIs Boat, D			21.0%	
Swimming	234	15.73%	\vee	71						
Collision	41	2.76%								
PWC		2.82%								
Capsized		9.41%								
Falls from Boat		12.30%								
*****Other Boating		7.19%								
Other Falls		8.74%								
Other Recr Total	58	3.90%	ľ							
TOTAL	1488	100.0%		0-1-	0					
				Cate	gory Sum			<u> </u>		
	Gender	- ·	%			*Wearin		%		
	177	Female	11.9%			YES	107	7.2%		
	1311 0	Male	88.1%			NO	1324 0	89.0%		
		Unknown Total	0.0%			Unknown *N/A	57	0.0% 3.8%		
	1400	Total				11/7	1488	0.070		
	Co	mmon Age	e Grouping	S	1					
	13 and under		6%	90	**Alco	hol/Drug	%	###Outo	granted	%
	Age14-17		7%	111	YES	175	12%	YES	239	25%
	Age18-35		36%	540	NO	496	33%	NO	707	75%
	Age36-53 Age 54 & Ove	or	24% 26%	361 386	#SUSP Unk	107 710	7% 48%		946	
	Age 34 & OW		2070	1488	UIK	1488	40 /0			
				1400		**** Swimmi	ng Fatalities	(incl boat8	swim)	%
	1	0 Yr Age (Groupings		1	Designated		(84	119
	Age 0-9		4%	62		Undesignate			708	89%
	Age 10-20		17%	255	1					
	Age 21-30		21%	319	1	Total Swimr			792	
	Age 31-40		14%	209				***Cause		
	Age 41-50		14%	211]	D = D rownir			1291	86.8%
	Age 51-60		13%	189	1	T = Trauma			172	11.6%
	Age 61-70		10%	149	1	DH = Hypot			11	0.7%
	71 & Over	-	6%	94	4	M = Medica			0	0.0%
	Age Unknow	n	0%	0	J	***HR = Hea		vide	3	0.2%
				1488		***CO = Car U = Unknow		xide	11 0	0.7%
									1488	100%
ote:									1400	1007
Not applicable category in PF	D section sta	rted in FY0	6							
*FY06-combined alcohol/drug				rior data, a	ssumed that	at if no alcoho	ol reported t	hen no dru	gs were inv	volved
	_									
**Started tracking in FY06 - ca										
	nings (intentic	nally enter	ing water) ir	ncluding bo	ating & swi	mming when	location is	known		
****BAC, BAE, BAM,BAS (Co	ntrol/Speed, E	lectrical, C								
****BAC, BAE, BAM,BAS (Co Started tracking "Suspected"	ntrol/Speed, E Alcohol in 20	lectrical, C	arbon Mono							
*** All swimming-related drow ****BAC, BAE, BAM,BAS (Co & Started tracking "Suspected" ## Started including all public r ## In FY18, started showing I	ntrol/Speed, E Alcohol in 20 recreation-rela	lectrical, C 10 ited fatalitie	arbon Mond s in FY11	oxide, Skiir	g/Towing)					

Activity	FY22	FY22 %						
Summary		of Total				Fatalities	By Division	
Swimming Total	66	35.9%				LRD 27	14.67%	
Designated Area	8					MVD 12	6.52%	
Undesignated Area					FY22	NAD 4	2.18%	
Boating Total	94	51.1%	Total Undesignated	Swimming Area	47%	NWD 24	13.04%	
Swimming	28	15.2%	7	- J		SAD 38	20.65%	
Collision		0.5%	-			SPD 4	2.18%	
PWC						SWD 75	40.76%	
Capsized		14.7%				Districts wit	h most fatali	ties
Falls from Boat		11.4%			FY22	SWF 41	22.28%	
*****Other Boating	14	7.6%	Total Falls Boat	t, Shore, etc.	21%	SAM 23	12.50%	
Other Falls Total	17	9.2%				SWT 18	9.78%	
Other Recreation	7	3.8%				SWL 16	8.70%	
TOTAL	184					LRN 13	7.07%	
-		Publ	ic Recreation Fata	alitv Data Sumi	marv	-		
Gender	E)	(22		Wearing PFD		(22		
Female	18	9.8%		YES	14	7.6%		
Male	166	90.2%		NO	164	89.1%	1	
Unknown	0	0.0%		Unknown	0	0.0%	1	
Total	184			N/A	6	3.3%	1	
10 yr Age Grpgs	F۱	(22		Alcohol/Drug	F	(22		
Age 0-9	3.8%	7		YES	16	8.7%		
Age 10-20	15.2%	28		NO	43	23.4%		
Age 21-30	20.7%	38		SUSPECTED	7	3.8%		
Age 31-40	14.1%	26		Unknown	118	64.1%		
Age 41-50	13.0%	24						
Age 51-60	13.6%	25	Designated	nming Fatalities	FY22		ranted	%
Age 61-70	12.0%	22	Area Undesignated	7	7.3%	YES	50	27.2%
71 & Over	7.6%	14	Area	89	92.7%	NO	134	72.8%
Age Unknown	0.0%	0	Total	96				
Total		184					_	
				Cause	F	(22		
Common Age Grps		(22		D = D rowning	157	85.3%	1	
13 & under	6.0%	11		T = Trauma	22	12.0%	4	
Age14-17	8.2%	15		DH = H ypothermia	2	1.1%	4	
Ages 18-35	32.6%	60		HR = Heat Related	2	1.1%	4	
Ages 36-53	21.7%	40		CO=Carbon Monoxide	1	0.5%		
Age 54 +	31.5%	58		U = Unknown	0	0.0%	1	
Note:				1		-		
			nally entering water) in lectrical, Carbon Mon			when location	on is knowr	า

Activity Summary	FY23	FY23 % of Total				Fatalities	By Division	
Swimming Total	65	40.4%				LRD 33	20.50%	
Designated Area	8	5.0%				MVD 8	4.97%	
Undesignated Area		35.4%			FY23	NAD 2	1.24%	
Boating Total	72	44.7%	Total Undesignate	d Swimming Area	55%	NWD 17	10.56%	
Swimming	32	19.9%				SAD 29	18.01%	
Collision		0.6%				SPD 5	3.11%	
PWC						SWD 67	41.61%	
Capsized							h most fatali	ties
Falls from Boat	-		~		FY23	SWF 34	21.12%	
*****Other Boating			Total Falls Boa	at, Shore, etc.	20%	SWT 20	12.42%	
Other Falls Total	17	10.6%				LRN 17	10.56%	
Other Recreation	7	4.3%				SAM 14	8.70%	
TOTAL	161					SWL 13	8.07%	
			c Recreation Fat					
Gender		/23		Wearing PFD		Y23		
emale	11	6.8%		YES	7	4.3%	_	
Male	150	93.2%		NO	145	90.1%	4	
Jnknown	0	0.0%		Unknown	0	0.0%	4	
Total	161			N/A	9	5.6%		
	E	(00		Aleehel/Drug	-	Y23		
10 yr Age Grpgs Age 0-9	3.7%	6		Alcohol/Drug YES	21	13.0%	-	
Age 10-20	19.3%	31		NO	63	39.1%	4	
Age 21-30	19.3%	31		SUSPECTED	3	1.9%	4	
Age 31-40	12.4%	20		Unknown	74	46.0%	1	
Age 41-50	14.3%	23					_	
Age 51-60	9.9%	16	****Swi	mming Fatalities	FY23	Outo	ranted	%
Age 61-70	12.4%	20	Designated Area	8	8.2%	YES	38	23.6
71 & Over	8.7%	14	U ndesignated Area	89	91.8%	NO	123	76.4
Age Unknown	0.0%	0	Total	97			J	
Total		161		-	I			
				Cause	F	Y23		
Common Age Grps	F۱	(23		D = D rowning	139	86.3%		
3 & under	6.8%	4		T = Trauma	19	11.8%		
\ge14-17	5.6%	9		DH = Hypothermia	0	0.0%		
Ages 18-35	36.0%	37		HR=Heat Related	1	0.6%	4	
Ages 36-53	23.0%	37		CO=Carbon Monoxide	2	1.2%		
\ge 54 +	28.6%	46		MICHOXIGE		1	-1	
Note:								
*** All swimming-rel			nally entering water)			when location	on is knowr	1
			lectrical, Carbon Mor					





Corps of Engineers Pub	olic Recreation	Fatali	ties FY	98 - FY	23																									
Division	District		1998			2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Total	Average
1																_	-		_			-				-	-			J
	Buffalo	LRB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
river	Chicago	LRC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0.0
chip tr.	Detroit	LRE	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
⁰ 0/	Huntington	LRH	7	4	3	7	10	2	0	6	7	3	1	5	4	3	5	3	1	8	4	3	6	1	2	4	7	5	111	4.3
ues all	Louisville	LRL	6	6	3	2	3	4	5	10	14	7	8	9	6	4	9	9	7	9	7	6	4	12	13	3	6	9	181	7.0
Great Lakes and Ohio River	Nashville	LRN	21	17	17	10	11	5	11	13	16	16	11	14	15	19	10	14	18	14	13	17	17	13	20	15	13	17	377	14.5
Great	Dittoburgh	LRP	6	2	2	3	0	0	0	0	0	1	3		6	1	5	5	10	2	1	4	3	10	0	3	1	1	55	2.1
S	Pittsburgh TOTAL		-				-	-		-	-	-		4	-			-	1		1	•		1	-			1		
	TOTAL	LRD	40	29	25	22	24	11	10	30	37	27	23	32	31	27	29	31	27	33	25	30	30	27	35	25	27	33	726	27.9
			40	10	-		-	-	0	4		4	_	-				4	0	4	4			-					404	10
	Vicksburg	MVK		10	8	9	2	7	8	4	1	4	5	2	9	2	4	4	0	1	4	0	4	5	3	3	8	5	124	4.8
alley	Memphis	MVM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
voj Visi	New Orleans		0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	1	0	0	0	4	0.2
rissipt	St. Paul	MVP	0	0	0	0	1	1	2	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	0.3
Miss		MVR	1	5	0	0	1	2	1	2	8	3	2	0	1	0	2	3	5	2	2	0	1	5	0	0	3	3	52	2.0
	St. Louis	MVS		3	2	3	2	5	1	5	3	8	1	2	5	4	3	2	3	3	2	3	3	2	4	5	1	0	86	3.3
	TOTAL	MVD	24	18	10	12	6	15	12	11	12	20	8	4	15	8	10	9	8	6	8	3	8	12	8	8	12	8	275	10.6
	Baltimore	NAB	1	1	0	0	0	0	2	3	1	2	1	0	1	2	4	2	2	2	2	1	0	0	1	2	1	0	31	1.2
otic	New England	NAE	0	1	0	0	1	1	0	1	2	0	0	0	1	2	0	0	1	0	3	0	0	1	0	0	1	0	15	0.6
Atlan	New York	NAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
North Atlantic	Norfolk	NAO	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
₩.	Philadelphia	NAP	0	3	1	2	0	0	0	1	0	1	0	1	0	2	0	0	0	0	0	1	0	0	1	0	2	2	17	0.7
	TOTAL	NAD	1	5	1	2	1	1	2	5	4	3	1	1	2	6	4	2	3	2	5	2	0	1	2	2	4	2	64	2.5
				_						_		_							_		_		_						-	
	Kansas City	NWK	6	14	4	2	9	9	8	11	12	5	5	7	9	7	6	16	10	6	5	5	5	1	6	12	6	8	194	7.5
~	Omaha	NWO		8	8	3	5	1	3	2	3	3	4	2	1	4	9	7	3	8	3	6	9	5	4	7	9	6	126	4.8
estell	Portland	NWP		2	4	0	1	5	2	4	3	5	4	5	2	1	2	1	0	4	2	2	3	3	2	3	5	1	74	2.8
Northwestern	Seattle	NWS		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	3	0.1
1 ⁴⁰		NWW		2	2	2	1	1	2	5	7	1	2	3	4	2	2	1	1	0	1	1	4	0	1	1	4	2	52	2.0
	TOTAL	NWD		27		7	16	16	<u>_</u> 15	22	25	14	2 15	17	16		19	25	15	18	11	14	-	9	13	24	24	17	449	17.3
	TOTAL	NWD	17	21	10	1	10	10	15	22	25	14	15	17	10	14	19	25	15	10	11	14	21	9	15	24	24	17	449	17.5
- cean	Alaska	POA	4	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.2
O _{O208} .	Alaska		4	0	1	0	0	0	0	0	0	I	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
pacific Ocean	TOTAL	POD	4	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0.2
	Charleston	SAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0
otic	Jacksonville	SAJ	0	2	3	0	0	0	2	2	0	0	2	5	1	2	1	1	1	4	2	0	1	0	0	0	0	0	29	1.1
Atlan	Mobile	SAM	19	33	15	13	20	16	22	18	18	24	23	16	17	31	21	17	24	14	22	21	19	16	26	14	23	14	516	19.8
South Atlantic	Savannah	SAS		12	7	10	9	6	10	3	4	8	8	3	10	9	8	5	7	7	7	6	8	10	2	9	6	6	193	7.4
-0	Wilmington	SAW		4	10	6	8	5	8	1	5	4	9	10	2	5	3	6	4	3	3	7	4	3	8	6	9	9	153	5.9
	TOTAL	SAD	43	51	35	29	37	27	42	24	27	36	42	34	30	47	33	29	36	28	34	34	32	29	36	29	38	29	891	34.3
	Albuquerque	SPA	2	2	3	4	1	0	4	2	1	0	2	0	0	2	2	1	0	0	1	3	3	0	1	0	0	0	34	1.3
acific	Sacramento		5	1	2	8	7	5	6	5	2	4	0	4	3	8	3	2	2	1	0	6	4	3	3	2	4	5	95	3.7
.th Pa	Los Angeles		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0.0
SouthPacific	San Francisco			0	3	1	1	1	1	1	2	1	0	6	0	0	0	1	0	1	0	2	1	2	0	0	0	0	29	1.1
			12	3	8	13	9	6	11	8	6	5	2	10	3	10	5	4	2	2	1	11	8	5	4	2	4	5	159	6.1
	ĺ																													
_	Fort Worth	SWF	35	30	43	30	26	22	23	23	23	16	33	30	27	40	25	24	26	14	25	21	30	25	35	27	41	34	728	28.0
stern	Galveston	SWG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	4	0	0	0	0	5	0.2
*hwes	Little Rock	SWL		15	9	10		14	18	17	10	13	3	15	7	11	15	19	17	6	16	7	5	7	5	19	16	13	324	12.5
Southwestern	Tulsa	SWT		16	28	21		19	12	18	14	20	24	13	16	34	17	19	7	12	14	18	14	12	30	18	18	20	470	18.1
	TOTAL		73			61			53	58	47	49	60	58	50	85	57	62	51	32	55	46	49	48	70	64	75	67	1527	58.7
wide	TOTAL	COE	214	194	178	146	154	131	151	158	158	155	151	156	147	197	157	162	142	121	139	140	148	131	168	154	184	161	4097	157.6
Nationwide										2005									2014		2016			2019			2022			Average
	Change			-9%		-18%			15%						-6%			3%				1%		-11%	-					uge
	Change			-9%	-070	-1070	570	-13%	1370	5%	070	-270	-3%	370	-0%	34%	-20%	3%	-12%	-15%	13%	1 70	070	-1170	20%	-0%	19%	-13%		
				Noto: 9	Startad	record	ing all r	ublic	racroot	ion fatal	litice in		nrior to	that o	nly wate	er-related	4													
				INDIE. 3	Janed	1 COID	n iy ali f	JUDIIC I	ecreat	บบบาสเสเ	1162 I	ı ı т I I,		u ial O	my wate	-ieidle(4		1					1	1	1	1			

LRD Public	Recreatior	Fatalitie	s One-Page	Summary	/ FY98 - FY	′23 #	#
			<u>v</u>				
Activity Summary		% of					
(Based on Codes)	Number	Total					
	076						
Swimming Total	276	38.02%					
Designated Area		7.44%					
Undesignated Area		30.58%	\nearrow				
Boating Total	368	50.69%			wimming Are	a	42.15%
Swimming	84	11.57%	Total Falls	Boat, Shor	e, etc.		23.69%
Collision	50	6.89%	11				
PWC	19	2.62%					
Capsized		7.30%					
Falls from Boat		15.56%	Y /				
*****Other Boating		6.75%	/				
Other Falls Total	49 59		V				
		8.13%				0/	
Other Recreation	23	3.17%			granted	%	
TOTAL	726			YES	40	23%	
				NO	137	77%	
					177		
LRD F	Recreation Fa	atality Data	a Summary FY9				
Gender		%	Weari	ng PFD	%		
Female	82	11.3%	YES	45	6.2%		
Male	643	88.6%	NO	652	89.8%		
Unknown	1	0.1%	Unknown	13	1.8%		
Total	726		*N/A	16	2.2%		
				726			
	e Groupings	-		nol/Drug	%		
Age 0-9	5%	33	YES	129	17.8%		
Age 10-20	21%	150	NO	262	36.1%		
Age 21-30	19%	136	#Suspected	34	4.7%		
Age 31-40	16%	115	Unknown	301			
Age 41-50	15%			726			
Age 51-60	11%					_	0/
Age 61-70	8%	55		A ** = =		50	%
71 & Over	4%	32	Designated			53	14.6%
Age Unknown Total	2%	13 726		eu Area		310 363	85.4%
		120	TUtal			303	
Other Commo	n Age Groupin	as			Cause		
13 & under	6%	-	D = Drownin			630	86.8%
Age14-17	7%	47	$\mathbf{T} = \mathbf{T}$ rauma	Ч.		630 72	<u>80.8%</u> 9.9%
Ages 18-35	39%		DH = Hypoth	permia		5	0.7%
Ages 36-53	26%					4	0.7%
Age 54 & Over	20%			bon Monoxic	e	4	0.6%
Age Unknown	20%					- 4	0.0%
	270	726				11	1.5%
Note:		.20					726
* Not applicable category	in PFD section	started in EY	06				120
**FY06-combined alcoho				s data assum	ed that if no alc	ohol re	ported
then no drugs were involv						3110110	pontou
***Started tracking in FY(ovido ao now	cause and in EV22	boot related			

*** Started tracking in FY06 - carbon monoxide as new cause and in FY22 -heat related as new cause

**** All swimming-related drownings including swimming around boats when location is known *****BAC, BAE, BAM,BAS (Control/Speed, Electrical, Carbon Monoxide, Skiing/Towing)

Started tracking "Suspected" Alcohol in 2010

Started including all public recreation-related fatalities in FY11

In FY18, started showing how many of the fatalities occurred in Outgranted areas.

MVD Public	Recreation	n Fatali	ities (Dne-	Page S	umma	ry FY98 -	FY23	8 ##
		% of							
Activity Summary (Based on Codes)	Number	76 OI Total							
Swimming Total	98	35.64%							
Designated Area		14.18%							
Undesignated Area		21.45%							
Boating Total	140	50.91%		Тс	otal Unde	signated	Swimming	Area	36.36%
Swimming	41	14.91%					Boat, Shore		22.91%
Collision		8.00%	1				Boat, onore	, 0.0.	22.3170
PWC		1.45%	//						
Capsized	19	6.91%							
Falls from Boat		14.55%							
*****Other Boating		5.09%							
Other Falls Total	23	8.36%			###Out		%		
Other Recreation	14	5.09%			YES	6	11%		
TOTAL	275				NO	50	89%		
						56			
				Fatal			7 FY98 - FY2	3	
	Gende	er	%		*Wearii		%		
	Female	34	12.4%		YES	19	6.9%		
	Male	241	87.6%		NO	244	88.7%		
	Unknown	0	0.0%		Unknown	6	2.2%		
	Total	275			*N/A	6	2.2%		
		e Grouping			**Alcoh	275	%		
	Age 0-9	6%	3 16		YES	49	/⁄/ 18%		
	Age 10-20	19%	52		NO	128	47%		
	Age 21-30	19%	51	****	Suspected	120	4%		
	Age 31-40	16%	44		Unk	88	32%		
	Age 41-50	13%	37		****Swimmin	g Fatalities (i	ncludes boat/swir	n)	%
	Age 51-60	12%	33		Designated	Area		38	29%
	Age 61-70	8%	22		Undesigna	ted Area		101	77%
	71 & Over	5%	15						
	Age Unknown	2%	5		Total			139	
	Total		275				Cause	0.10	07.00
	Other Comme		uningo		D = Drown T = Trauma	•		240	87.3%
	Other Commo							24	8.7%
	13 & under Age14-17	10% 8%	28 22		DH = H ypo M = M edica			7	2.5% 0.4%
	Ages 18-35	34%	94			arbon Mon	oxide	3	1.1%
	Ages 36-53	23%	62		***HR = He			0	0.0%
	Age 54 & Over	23%	64		U = U nkno			0	0.0%
	-		275					275	
Note:									
* Not applicable category									
**FY06-combined alcoho		so we could	d summa	rize with	previous d	ata, assum	ed that if no alc	ohol rep	orted
then no drugs were invol ***Started tracking in FY		ovide as pe		and in F	Y22 - heat	related as	new cause		
**** All swimming-related									
*****BAC, BAE, BAM,BA		-	-						
# Started tracking "Susp					,	-97	I		
## Started including all p			ities in F	Y11					
### In FY18, started sho					outrgranted	areas.			

NAD Publ	ic Recreatio	n Fatali	ties O	ne-Page Summary FY98 - FY23 ##	
		0/ 5			
Activity Summary	Number	% of			
(Based on Codes)	00				
Swimming Total	33	51.56%			
Designated Area		4.69%			
Undesignated Area		46.88%			
Boating Total	23	35.94%		Total Undesignated Swimming Area	54.69%
Swimming	5	7.81%		Total Falls Boat, Shore, etc.	6.25%
Collision	5	7.81%			
PWC	0	0.00%			
Capsized	6	9.38%			
Falls from Boat		3.13%	//		
*****Other Boating	5	7.81%			
Other Falls Total	2	3.13%	/		
Recr-not water	6	9.38%		###Outgranted %	
TOTAL		0.0070		YES 3 0%	
TOTAL	. 04			NO 8 0%	
		NAD Reci	reation	Fatality Data Summary FY98 - FY23	
	Gende		%	Wearing PFD %	
	Female	8	12.5%	YES 2 3.1%	
	Male	56	87.5%	NO 52 81.3%	
	Unknown	0	0.0%	Unknown 4 6.3%	
	Total	64	0.070	*N/A 6 9.4%	
				64	
	10 yr Ag	e Grouping	S	**Alcohol/Drug %	
	Age 0-9	3%		YES 4 6%	
	Age 10-20	25%	16	NO 29 45%	
	Age 21-30	19%	12	# SUSPECTEE 2 3%	
	Age 21-30 Age 31-40	19% 9%	6		
	Age 21-30 Age 31-40 Age 41-50	19% 9% 9%	6 6	# SUSPECTED 2 3% Unknown 29 45%	0/
	Age 21-30 Age 31-40 Age 41-50 Age 51-60	19% 9% 9% 17%	6 6 11	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim)	%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70	19% 9% 9% 17% 3%	6 6 11 2	# SUSPECTEE 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3	8%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over	19% 9% 9% 17% 3% 9%	6 6 11 2 6	# SUSPECTED 2 3% Unknown 29 45% *****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35	
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown	19% 9% 9% 17% 3% 9% 5%	6 6 11 2 6 3	# SUSPECTEE 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3	8%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over	19% 9% 9% 17% 3% 9%	6 6 11 2 6 3	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38	8%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown	19% 9% 17% 3% 9% 5% 100%	6 6 11 2 6 3 64	# SUSPECTED 2 3% Unknown 29 45% *****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35	8%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total	19% 9% 17% 3% 9% 5% 100%	6 6 11 2 6 3 64 upings	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38	8% 92%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Commo	19% 9% 17% 3% 9% 5% 100%	6 6 11 2 6 3 64 4	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38 Cause D = Drowning 48	8% 92% 75.0%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under	19% 9% 17% 3% 5% 100% 0n Age Gro 6%	6 6 11 2 6 3 64 upings 4 10	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38 Cause 0 D = Drowning 48 T = Trauma 9 DH = Hypothermia 2 M = Medical 3	8% 92% 75.0% 14.1%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Age14-17	19% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17%	6 6 11 2 6 3 64 4 10 19 11	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38 Cause 0 D = Drowning 48 T = Trauma 9 DH = Hypothermia 2 M = Medical 3 ****CO = Carbon Monoxide 1	8% 92% 75.0% 14.1% 3.1%
	Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35	19% 9% 17% 3% 9% 5% 100% on Age Gro 6% 16% 30%	6 6 11 2 6 3 64 4 10 19 11 17	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38 Cause 0 D = Drowning 48 T = Trauma 9 DH = Hypothermia 2 M = Medical 3 ****CO = Carbon Monoxide 1 ****HR = Heat Related 0	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0%
	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35 Ages 36-53	19% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17%	6 6 11 2 6 3 64 4 10 19 11	#SUSPECTED2 3% Unknown29 45% ****Swimming Fatalities(incl boat, swim) Designated Area3Undesignated Area35Total Swimming38DDrowning48T = Trauma9DH = Hypothermia2M = Medical3***CO = Carbon Monoxide1***HR = Heat Related0U = Unknown1	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6%
Note:	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35 Ages 36-53 Age 54 +	19% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17% 27%	6 6 3 64 4 10 19 11 17 64	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 Total Swimming 38 D = Drowning 48 T = Trauma 9 DH = Hypothermia 2 M = Medical 3 ***CO = Carbon Monoxide 1 ****HR = Heat Related 0	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0%
* Not applicable category	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35 Ages 36-53 Age 54 +	19% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17% 27%	6 6 3 6 4 4 10 19 11 17 64	#SUSPECTED2 3% Unknown29 45% ****Swimming Fatalities(incl boat, swim) Designated Area33Undesignated Area35Total Swimming38 M = Drowning48T = Trauma9DH = Hypothermia2M = Medical3***CO = Carbon Monoxide1***CO = Carbon Monoxide1 M = Unknown1	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 1.6% 100%
* Not applicable category **FY06-combined alcohol	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35 Ages 36-53 Age 54 +	19% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17% 27%	6 6 3 6 4 4 10 19 11 17 64	#SUSPECTED2 3% Unknown29 45% ****Swimming Fatalities(incl boat, swim) Designated Area3Undesignated Area35Total Swimming38DDrowning48T = Trauma9DH = Hypothermia2M = Medical3***CO = Carbon Monoxide1***HR = Heat Related0U = Unknown1	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 1.6% 100%
* Not applicable category **FY06-combined alcohol, then no drugs were involv	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35 Ages 36-53 Age 54 +	19% 9% 17% 3% 5% 100% 0n Age Gro 6% 16% 30% 17% 27% arted in FYC o we could s	6 6 3 6 4 10 19 11 17 64 06 summarize	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 35 Total Swimming 38 Ø D = Drowning 48 T = Trauma 9 9 DH = Hypothermia 2 3 M = Medical 3 ***CO = Carbon Monoxide 1 ****HR = Heat Related 0 0 0 U = Unknown 1 64	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 100%
* Not applicable category **FY06-combined alcohol then no drugs were involv ***Started tracking in FY0	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Ages 18-35 Ages 36-53 Age 54 +	19% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17% 27% arted in FYC 5 we could s	6 6 3 64 upings 4 10 19 11 17 64 upings 20 6 cause and	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 3 Total Swimming 38 38 Ø D= Drowning 48 T = Trauma 9 9 DH = Hypothermia 2 3 M = Medical 3 ***CO = Carbon Monoxide 1 ****HR = Heat Related 0 0 0 U = Unknown 1 64 e with previous data, assumed that if no alcohol rep d in FY22 - heat related as a new cause	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 1.6% 100%
* Not applicable category **FY06-combined alcohol then no drugs were involv ***Started tracking in FY0 **** Includes all swimming	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Commond 13 & under Ages 36-53 Age 54 +	19% 9% 9% 17% 3% 9% 5% 100% 0n Age Gro 6% 16% 30% 17% 27% arted in FYC 5 we could s cide as new gs even arou	6 6 3 6 4 4 10 19 11 17 64 06 summarize cause anu	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 35 Total Swimming 38 Ø D = Drowning 48 T = Trauma 9 9 DH = Hypothermia 2 3 M = Medical 3 ****CO = Carbon Monoxide 1 ****CO = Carbon Monoxide 1 ****HR = Heat Related 0 U = Unknown 1 64 e with previous data, assumed that if no alcohol rep d in FY22 - heat related as a new cause when location is known	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 1.6% 100%
* Not applicable category **FY06-combined alcohol then no drugs were involv ***Started tracking in FY0	Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Common 13 & under Age 14-17 Ages 36-53 Age 54 +	19% 9% 9% 9% 9% 9% 17% 3% 9% 5% 100% on Age Gro 6% 16% 30% 17% 27% arted in FYC o we could s side as new gs even arou Electrical, C	6 6 3 6 4 4 10 19 11 17 64 06 summarize cause anu	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 35 Total Swimming 38 Ø D = Drowning 48 T = Trauma 9 9 DH = Hypothermia 2 3 M = Medical 3 ****CO = Carbon Monoxide 1 ****CO = Carbon Monoxide 1 ****HR = Heat Related 0 U = Unknown 1 64 e with previous data, assumed that if no alcohol rep d in FY22 - heat related as a new cause when location is known	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 1.6% 100%
* Not applicable category **FY06-combined alcohol, then no drugs were involv ***Started tracking in FY0 **** Includes all swimming *****BAC, BAE, BAM,BAS	Age 21-30 Age 31-40 Age 31-40 Age 51-60 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Commo 13 & under Age14-17 Ages 18-35 Age 54 + in PFD section sta /drugs together so ed 6 - carbon monox g-related drowning 6 (Control/Speed, cted" Alcohol in 2	19% 9% 9% 17% 3% 9% 5% 100% 000 Age Gro 6% 16% 30% 16% 30% 17% 27% arted in FYC 5 we could s cide as new gs even arou Electrical, C 010	6 6 3 6 3 64 4 10 19 11 17 64 5 5 5 6 4 5 6 6 6 5 6 6 6 6 6 7 6 7 7 6 7 7 7 6 7 7 7 7	# SUSPECTED 2 3% Unknown 29 45% ****Swimming Fatalities(incl boat, swim) Designated Area 3 Undesignated Area 35 35 Total Swimming 38 D = Drowning 48 T = Trauma 9 9 DH = Hypothermia 2 3 M = Medical 3 ***CO = Carbon Monoxide 1 ****CO = Carbon Monoxide 1 ****CO = Carbon Monoxide 1 e with previous data, assumed that if no alcohol rep 64 when location is known ponxide, Skiing/Towing) ponxide, Skiing/Towing)	8% 92% 75.0% 14.1% 3.1% 4.7% 1.6% 0% 1.6% 1.6% 100%

Activity Summary		% of						
(Based on Codes)	Number	Total						
wimming Total	160	36%						
Designated Area Undesignated Area	26 134							
0				Total Under	inneted			400
Dating Total	218	49%		Total Undes				43%
Swimming	61	14%		10	tal Falls I	50at, 5nd	bre, etc.	1 9 %
Collision	17	4%						
PWC	12	3%						
Capsized	54	12%						
Falls from Boat	50	11%						
*****Other Boating	24		/	###Outgra	anted	%		
ther Falls	34	8%		YES	39	36%		
her Recreation	37	8%		NO	69	64%		
	449		•		108			
	NV	VD Wate	er-Relate	ed Fatality Dat	a Summa	ry FY98	- FY23	
	Gender		%	Wearing		%		
	Female	47	10%	YES	24	5%		
	Male	399	89%	NO	384	86%		
	Unknown	3	1%	Unknown	22	5%		
	Total	449		*N/A	19	4%		
				** Aleehel	449	0/		
	10 yr Age			**Alcohol/	-	%		
	Age 0-9 Age 10-20	6% 17%	25 77	YES NO	87 184	19% 41%		
	Age 21-30	19%	87	#Suspected	104	4%		
	Age 31-40	14%		Unk	159	35%		
	Age 41-50	14%	63		449			
	Age 51-60	11%	50	Swimming Fatali		ooat/swim) %	, D	***
	Age 61-70	8%	36	Designated Ar		27	12%	
	71 & Over	8%		Undesignated	Area	195	88%	
	Age Unknown	2%		Total		222		
	Total		449			Cause		
	Other Con	nmon Ag	6	D = D rowning		Gause	367	81
	13 & under	7%		T = Trauma			48	10
	Age14-17	9%		DH = Hypothe	rmia		13	2
	Ages 18-35	33%		M = Medical			2	0
	Ages 36-53	26%		***CO = Carbo	on Monoxic	e	7	1
	Age 54 & Over	24%	109	*** HR = Heat	Related		0	
			449	U = U nknown			12	2
							449	1(
ote:								
lot applicable category sta						16 m m = 1	1	
Y06-combined alcohol/dr	ugs together so v	ve could s	summarize	e previous data, as	sumed that	it no alcoho	ol reported t	hen n
igs were involved Started tracking in FY06 -	carbon monovid		001100-000	Lin EV22_bootro	lated as a n			
* All swimming-related dro						ew cause		
**BAC, BAE, BAM,BAS (C	JUNUU/JURED F							

SAD Public	Recreation	on Fatal	ities (Dne-Page Summar	y FY	98 - F	Y23 #	#
					-			
Activity Summary	Number	% of						
(Based on Codes)		Total						
Swimming Total	413	46.51%						
Designated Area								
Undesignated Area			\rightarrow					
Boating Total	376	42.34%		Total Undesignate				48.31%
Swimming	90			Total Fal	ls Boa	t, Shor	e, etc.	21.17%
Collision	31	3.49%	71					
PWC		2.25%						
Capsized	58							
Falls from Boat		12.27%						
*****Other Boating	68	7.66%	/					
Other Falls Total	79	8.90%						
Other Recreation	20	2.25%		###Outgranted		%		
TOTAL	888	•		YES	52	27%		
				NO	138	73%		
					190			
		SAD Re	creatior	• Fatality Data Summary	FY98 -	- FY23		
	Gend	ler	%	Wearing PFD		%		
	Female	91	10.2%	YES	34	3.8%		
	Male	792	89.2%	NO	826	93.0%		
	Unknown	5	0.6%	Unknown	14	1.6%		
	Total	888		*N/A	14	1.6%		
	10 yr A	ge Grouping	0	**Alcohol/Drug	888	%	ŀ	
		ye Grouping				/0		
	Age 0-9	5%	44	YES	136	15 3%		
	Age 0-9 Age 10-20	5% 21%	44 189	YES NO	136 441	15.3% 49.7%		
	Age 10-20	5% 21% 23%	44 189 202	NO	136 441 40	15.3% 49.7% 4.5%		
	- Ŭ	21%	189		441	49.7%		
	Age 10-20 Age 21-30	21% 23%	189 202	NO #Suspected	441 40	49.7% 4.5%		
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60	21% 23% 13%	189 202 118 110 102	NO #Suspected Unknown	441 40 271 888	49.7% 4.5% 30.5%	vim)	%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70	21% 23% 13% 12% 11% 9%	189 202 118 110 102 76	NO #Suspected Unknown **** Swimming Fatalitie Designated Area	441 40 271 888	49.7% 4.5% 30.5%	73	14.5%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over	21% 23% 13% 12% 11% 9% 4%	189 202 118 110 102 76 35	NO #Suspected Unknown	441 40 271 888	49.7% 4.5% 30.5%		
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown	21% 23% 13% 12% 11% 9%	189 202 118 110 102 76 35 12	NO #Suspected Unknown **** Swimming Fatalitie Designated Area U ndesignated Area	441 40 271 888	49.7% 4.5% 30.5%	73 429	14.5%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over	21% 23% 13% 12% 11% 9% 4%	189 202 118 110 102 76 35	NO #Suspected Unknown **** Swimming Fatalitie Designated Area	441 40 271 888	49.7% 4.5% 30.5%	73	14.5%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total	21% 23% 13% 12% 11% 9% 4% 1%	189 202 118 110 102 76 35 12 888	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming	441 40 271 888	49.7% 4.5% 30.5%	73 429	14.5%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown	21% 23% 13% 12% 11% 9% 4% 1%	189 202 118 110 102 76 35 12 888	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming Cause	441 40 271 888	49.7% 4.5% 30.5%	73 429 502	14.5% 85.5%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total	21% 23% 13% 12% 11% 9% 4% 1%	189 202 118 110 102 76 35 12 888	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming	441 40 271 888	49.7% 4.5% 30.5%	73 429	14.5%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under	21% 23% 13% 12% 11% 9% 4% 1% 0n Age Grou	189 202 118 110 102 76 35 12 888 888 39 373	NO #Suspected Unknown ****Swimming Fatalitie Designated Area Undesignated Area Total Swimming Cause D = Drowning T = Trauma DH = Hypothermia	441 40 271 888	49.7% 4.5% 30.5%	73 429 502 778	14.5% 85.5% 88% 10% 0%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23%	189 202 118 110 102 76 35 12 888 49 73 83 342 203	NO #Suspected Unknown ****Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming D = Drowning T = Trauma DH = Hypothermia M = Medical	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5	14.5% 85.5% 88% 10% 0% 1%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Age14-17 Ages 18-35	21% 23% 13% 12% 11% 9% 4% 1% 0n Age Grou 8% 9% 39%	189 202 118 110 102 76 35 12 888 Jpings 73 83 342	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming Cause D = Drowning T = Trauma DH = Hypothermia M = Medical ***CO = Carbon Monoxide	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 5 6	14.5% 85.5% 88% 10% 0% 1% 1%
	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23%	189 202 118 110 102 76 35 12 888 49 73 83 342 203	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming Cause D = D rowning T = T rauma DH = H ypothermia M = Medical ***CO = Carbon Monoxide *** HR = Heat Related	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0	14.5% 85.5% 88% 10% 0% 1% 0%
Noto:	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23%	189 202 118 110 102 76 35 12 888 49 73 83 342 203	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming Cause D = Drowning T = Trauma DH = Hypothermia M = Medical ***CO = Carbon Monoxide	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0 10	14.5% 85.5% 88% 10% 0% 1% 0%
Note:	Age 10-20 Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53 Age 54 & Over	21% 23% 13% 12% 11% 9% 4% 1% 0n Age Grou 8% 9% 39% 23% 20%	189 202 118 110 102 76 35 12 888 Jpings 73 83 342 203 175	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming Cause D = D rowning T = T rauma DH = H ypothermia M = Medical ***CO = Carbon Monoxide *** HR = Heat Related	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0	14.5% 85.5% 88% 10% 0% 1% 0%
* Not applicable category	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53 Age 54 & Over	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23% 20%	189 202 118 110 102 76 35 12 888 888 73 83 342 203 175	NO #Suspected Unknown ****Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming T = Trauma DH = Hypothermia M = Medical ***CO = Carbon Monoxide ***HR = Heat Related U = Unknown	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0 10 888	14.5% 85.5% 88% 10% 0% 1% 0% 1%
* Not applicable category	Age 10-20 Age 21-30 Age 31-40 Age 41-50 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53 Age 54 & Over	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23% 20%	189 202 118 110 102 76 35 12 888 888 73 83 342 203 175	NO #Suspected Unknown **** Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming Cause D = D rowning T = T rauma DH = H ypothermia M = Medical ***CO = Carbon Monoxide *** HR = Heat Related	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0 10 888	14.5% 85.5% 88% 10% 0% 1% 0% 1%
* Not applicable category **FY06-combined alcohc drugs were involved	Age 10-20 Age 21-30 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Ages 18-35 Ages 36-53 Age 54 & Over	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23% 20% \$tarted in FY so we could	189 202 118 110 102 76 35 12 888 35 12 888 35 12 888 35 12 888 203 175	NO #Suspected Unknown ****Swimming Fatalitie Designated Area Undesignated Area Total Swimming Total Swimming T = Trauma DH = Hypothermia M = Medical ***CO = Carbon Monoxide ***HR = Heat Related U = Unknown	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0 10 888	14.5% 85.5% 88% 10% 0% 1% 0% 1%
* Not applicable category **FY06-combined alcoho drugs were involved ***Started tracking in FY0 **** Includes swimming-r	Age 10-20 Age 21-30 Age 31-40 Age 31-40 Age 51-60 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Age14-17 Ages 18-35 Age 54 & Over	21% 23% 13% 12% 11% 9% 4% 1% 1% 0n Age Grou 8% 9% 39% 23% 20% \$tarted in FY so we could oxide as new s even boat/s	189 202 118 110 102 76 35 12 888 Jpings 73 83 342 203 175 06 summariz	NO #Suspected Unknown ****Swimming Fatalitie Designated Area Undesignated Area Total Swimming Designated Area Total Swimming Teal Swimming Designated Area Total Swimming Cause D = Drowning T = Trauma DH = Hypothermia M = Medical ***CO = Carbon Monoxide ***HR = Heat Related U = Unknown	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0 10 888	14.5% 85.5% 88% 10% 0% 1% 0% 1%
* Not applicable category **FY06-combined alcoho drugs were involved ***Started tracking in FY0	Age 10-20 Age 21-30 Age 31-40 Age 31-40 Age 51-60 Age 61-70 71 & Over Age Unknown Total Other Comm 13 & under Age14-17 Ages 18-35 Age 36-53 Age 54 & Over	21% 23% 13% 12% 11% 9% 4% 1% 0n Age Grou 8% 9% 39% 23% 20% 39% 23% 20% \$tarted in FY so we could oxide as new s even boat/s d, Electrical, 0	189 202 118 110 102 76 35 12 888 Jpings 73 83 342 203 175 06 summariz	NO #Suspected Unknown ****Swimming Fatalitie Designated Area Undesignated Area Total Swimming Designated Area Total Swimming Teal Swimming Designated Area Total Swimming Cause D = Drowning T = Trauma DH = Hypothermia M = Medical ***CO = Carbon Monoxide ***HR = Heat Related U = Unknown	441 40 271 888 s (incl k	49.7% 4.5% 30.5%	73 429 502 778 87 2 5 6 0 10 888	14.5% 85.5% 88% 10% 0% 1% 0% 1%

Started including all public recreation-related fatalities in FY11

In FY18, started showing how many of the fatalities occurred in Outgranted areas.

SPD Public	Recreatio	n Fatal	lities O	ne-Page Sum	nmary F	- Y98 - I	-Y23	##
	-							
Activity Summary (Based on Codes)	Number	% of Total						
Swimming Total	78	49.06%						
Designated Area	4	2.52%						
Undesignated Area	74	46.54%						
Boating Total	61	38.36%		Total Undesig	gnated Sv	vimming	Area	57.86%
Swimming	18	11.32%		Tota	I Falls Bo	oat, Shore	e, etc.	18.24%
Collision	4	2.52%	/1					
PWC	5	3.14%						
Capsized	11	6.92%						
Falls from Boat								
*****Other Boating								
Other Falls Total	14	8.81%						
Other Recreation	6	3.77%		###Outg	ranted	%		
TOTAL	-		l	YES	1	4%		
IUIAL	139			NO	27	96%		
					28	0070		
		SPD Re	creation I	Fatality Data Sum	mary FY	98 - FY23		
	Gend		%	*Wearin		%		
	Female	25	15.7%	YES	10	6.3%		
	Male	132	83.0%	NO	140	88.1%		
	Unknown	2	1.3%	Unknown	7	4.4%		
	Total	159		*N/A	2	1.3%		
					159			
		ge Groupin		**Alcoho		%		
	Age 0-9	8% 24%	13	YES NO	22	14%		
	Age 10-20 Age 21-30	24% 19%	38 30	#Suspected	85 5	53% 3%		
	Age 31-40	15%	24	Unk	47	30%		
	Age 41-50	15%	24			s (incl boat sw	vim)	%
	Age 51-60	6%	10	Designated /	-		2	2%
	Age 61-70	4%	6	Undesignate			95	98%
	71 & Over	4%	7					
	Age Unknown	4%	7	Total			97	
	Total		159			ause	10-	
	Other Const			D = Drownin	y		137	86.2%
	Other Comm			T = Trauma	ormia		16	10.1%
	13 & under Age14-17	12% 9%	19 14	DH = Hypoth M = Medical			2	1.3% 0.6%
	Ages 18-35	9% 40%	63	***CO = Car		ide	0	0.6%
	Ages 36-53	24%	38	***HR = Hea			0	0.0%
	Age 54 & Over	11%	18	U = Unknow			3	1.9%
	-		159		I		159	
Note:								
* Not Applicable categor								
**FY06-combined alcoho	ol/drugs togethei	r so we coul	d summariz	e with previous data, a	assumed that	at if no alcoh	nol repor	ted then
no drugs were involved ***Started tracking in FY	06 - carbon mor	novide as po	w cause an	d in FY22 - heat relate	ed as a new	Cause		
**** All swimming-related						oduse -		
*****BAC, BAE, BAM,BA					g)			
# Started tracking "Susp	ected" Alcohol ir	า 2010			<u>-</u>			
## Started including all p								
### In FY18, started sho	wing how many	of the fatalit	ties occurre	d in Outgranted areas				

Swimming 191 12.51% Total Falls Boat, Shore, etc. 16 Collision 57 3.73% PWC 39 2.55% Signature 143 9.36% Signature 143 9.36% Signature 11.13% 11.13% Signature 11.13% Signature 11.13% <	9.97% 6.63%
Number Total Swimming Total 701 45.91% Designated Area 129 8.45% Undesignated Area 572 37.46% Boating Total 676 44.27% Swimming 191 12.51% Collision 57 3.73% PWC 39 2.55% Capsized 143 9.36% Falls from Boat 170 11.13% *****Other Boating 76 4.98% Other Falls Total 84 5.50% Other Recreation 66 4.32% TOTAL 1527 ###Outgranted % SWD Recreation Fatality Data Summary FY98 - FY23 373	
Swimming Total 701 45.91% Designated Area 129 8.45% Undesignated Area 572 37.46% Boating Total 676 44.27% Swimming 191 12.51% Collision 57 3.73% PWC 39 2.55% Capsized 143 9.36% Falls from Boat 170 11.13% *****Other Boating 76 4.98% Other Falls Total 84 5.50% Other Recreation 66 4.32% TOTAL 1527 ###Outgranted % YES 95 25% NO 278 75% 373 373 373	
Designated Area 129 8.45% Undesignated Area 572 37.46% Boating Total 676 44.27% Swimming 191 12.51% Total Undesignated Swimming Area 48 Collision 57 3.73% Total Falls Boat, Shore, etc. 16 PWC 39 2.55% Total Falls Boat, Shore, etc. 16 Capsized 143 9.36% Mark Mark Mark Falls from Boat 170 11.13% Mark Mark Mark Mark Other Falls Total 84 5.50% Mark Mark Mark Mark TOTAL 1527 Mark Mark Mark Mark Mark SWD Recreation Fatality Data Summary FY98 - FY23 SWD Recreation Fatality Data Summary FY98 - FY23	
Undesignated Area 572 37.46% Boating Total 676 44.27% Swimming 191 12.51% Collision 57 3.73% PWC 39 2.55% Capsized 143 9.36% Falls from Boat 170 11.13% *****Other Boating 76 4.98% Other Falls Total 84 5.50% Other Recreation 66 4.32% TOTAL 1527 YES 95 25% NO 278 75% 373 SWD Recreation Fatality Data Summary FY98 - FY23	
Swimming 191 12.51% Total Falls Boat, Shore, etc. 16 Collision 57 3.73% 9 3 3 3 3 3 3 3	
Swimming 191 12.51% Total Falls Boat, Shore, etc. 16 Collision 57 3.73% 9 3 3 3 3 3 3 3	6.63%
Collision 57 3.73% PWC 39 2.55% Capsized 143 9.36% Falls from Boat 170 11.13% *****Other Boating 76 4.98% Other Falls Total 84 5.50% Other Recreation 66 4.32% TOTAL 1527 ###Outgranted % SWD Recreation Fatality Data Summary FY98 - FY23	
PWC 39 2.55% Capsized 143 9.36% Falls from Boat 170 11.13% *****Other Boating 76 4.98% Other Falls Total 84 5.50% Other Recreation 66 4.32% TOTAL 1527 YES 95 25% NO 278 75% 373 SWD Recreation Fatality Data Summary FY98 - FY23	
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373 SWD Recreation Fatality Data Summary FY98 - FY23	
SWD Recreation Fatality Data Summary FY98 - FY23	
Conder 0/ Measing DED 0/	
Gender % Wearing PFD %	
Female 170 11% YES 97 6%	
Male 1349 88% NO 1346 88%	
Unknown 8 1% Unknown 34 2% Total 1527 *N/A 50 3%	
1527 IV/A 50 576	
10 yr Age Groupings **Alcohol/Drug %	
Age 0-9 5% 80 YES 273 18%	
Age 10-20 21% 325 NO 707 46%	
Age 21-30 23% 347 # Suspected 57 4%	
Age 31-40 16% 251 Unk 490 32%	
Age 41-50 13% 193 1527	0/
Age 51-6010%152**** Swimming Fatalities (incl boat, swim)Age 61-707%102Designated Area126	%
Age 61-70 7% 102 Designated Area 126 71 & Over 4% 64 Undesignated Area 764	14% 86%
Age Unknown 1% 13	0070
Total 1527 Total Swimming 890	
Other Common Age Groupings	
13 & under 8% 126 Cause	
	86.2%
*	10.2% 1.8%
Ages 36-53 24% 368 DH = Hypothermia 28 Age 54 & Over 18% 268 M = Medical 7	1.8%
1527 *** CO = Carbon Monoxide 4	0.9%
***HR = Heat Related 3	0.2%
U = U nknown 14	0.9%
Note: 1527	
* Not applicable category started in PFD section in FY06	
**FY06-combined alcohol/drugs together so we could summarize with previous data, assumed that if no alcohol reported	90
then no drugs were involved ***Started tracking in FY06 - carbon monoxide as new cause and in FY22 - heat related as a new cause	
**** All swimming-related drownings including boating & swimming when location is known	
******BAC, BAE, BAM,BAS (Control/Speed, Electrical, Carbon Monoxide, Skiing/Towing)	
# Started tracking "Suspected" Alcohol in 2010	
## Started counting all public recreation-related fatalities in FY11	
### In FY18, started showing how many of the fatalities occurred in Outgranted areas.	

Acronyms List

USACE: U.S. Army Corps of Engineers

FY: Fiscal Year (October 1 – September 30)

LRD: Great Lakes and Ohio River Division

LRH: Huntington District

LRL: Louisville District

LRN: Nashville District

LRP: Pittsburgh District

MVD: Mississippi Valley Division

MVK: Vicksburg District

MVR: Rock Island District

MVS: St. Louis District

NAD: North Atlantic Division

NAE: New England District

NWD: Northwestern Division

NWK: Kansas City District

NWO: Omaha District

NWP: Portland District

SAD: South Atlantic Division

SAM: Mobile District

SAS: Savannah District

SAW: Wilmington District

SPD: South Pacific Division

SPK: Sacramento District

SPN: San Francisco District

SWD: Southwestern Division

SWF: Fort Worth District

SWG: Galveston District

SWL: Little Rock District

SWT: Tulsa District

Link to USACE Division and District Map: www.usace.army.mil/locations.aspx