

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Characteristics of Dam			
							Project Functions	Type	Height (Feet)	Length (Feet)
ALASKA										
Chena River Lakes	Chena Tanana	Chena River	Fairbanks	1979	2,000	NPP	FRD	Earth	50	40,200
ARIZONA										
Adobe	Gila	Skunk Creek	Phoenix	1982	18,350	NPP	FR	Earth	109	2,275
Alamo	Colorado	Bill Wms. River	Wenden	1968	1,045,300	560	FRSWX	Earth	283	975
Cave Buttes	Gila	Cave Creek	Phoenix	1979	46,600	NPP	FRX	Earth	109	2,275
Dreamy Draw	Gila	Dreamy Draw	Phoenix	1973	320	NPP	FRX	Earth	50	448
New River	Gila	New River	Phoenix	1985	43,520	NPP	F	Earth	104	2,320
Painted Rock	Gila	Gila River	Gila Bend	1959	2,476,340	NPP	FR	Earth	181	4,780
Tat Momolikot	Gila	Santa Rosa Wash	Casa Grande	1974	198,550	NPP	GWX	Earth	75.5	12,500
Whitlow Ranch	Gila	Queen Creek	Superior	960	34,500	NPP	F	Earth	25	978
ARKANSAS										
Blakely Mountain	Ouachita Dam	Ouachita	Mountain Pine	1953	2,768,500	20,900	FPRSW	Earth	235	1,100
Blue Mountain	Arkansas	Petit Jean River	Paris	1947	257,900	2,910	FRS	Earth	115	2,800
DeGray	Ouachita	Caddo	Arkadelphia	1969	881,900	6,400	FPRSQNW	Earth	243	3,400
DeQueen	Red	Rolling Fork River	DeQueen	1977	136,100	1,680	FQRSW	Earth	160	2,360
Dierks	Red	Saline River	Dierks	1975	96,800	1,360	FQRSW	Earth & Rock	153	2,500
Gillham	Red	Cossatot River	Gillham	1975	221,800	1,370	FQRSW	Earth & Rock	160	1,750
Millwood	Red	Little River	Ashdown	1966	1,854,930	29,200	FQRSW	Earth	88	17,554
Narrows Dam	Ouachita	Little Missouri	Murfreesboro	1949	407,900	2,500	FPRSW	Concrete	175	941
Nimrod	Arkansas	Fourche LaFve	Plainview	1942	336,010	3,550	FRSW	Concrete	97	1,012

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		River								
CALIFORNIA										
Black Butte	Sacramento	Stony Creek	Orland	1963	136,200	770	FIRX	Earth	156	2,970
Brea	Santa Ana	Brea Creek	Fullerton	1942	4,009	NPP	FR	Earth	87	1,765
Buchanan Dam	San Joaquin	Chowchilla	Chowchilla	1975	150,000	470	FIRW	Earth & Rock	205.5	1,800
H.V. Eastman Lake		River								
Carbon Canyon	Santa Ana	Carbon Canyon River	Brea	1961	6,614	NPP	FR	Earth	99	2,150
Coyote Valley	Russian	East Fork Russian River	Ukiah	1959	116,500	1,922	FRXS	Earth	160	3,500
Dry Creek (Warm Springs) Lake and Channel	Russian	Dry Creek	Healdsburg	1983	381,000	3,600	FRSW	Earth	319	3,000
Farmington	San Joaquin	Littlejohn Creek	Farmington	1952	52,000	NPP	F	Earth	60	7,800
Fullerton	Santa Ana	East Fullerton Crk	Fullerton	1941	764	NPP	FR	Earth	46	575
Hansen	Los Angeles	Big Tujunga Wash	Los Angeles	1940	51,000	120	FRX	Earth	97	10,475
Harry L. Englebright	Sacramento	Yuba River	Marysville	1941	69,000	400	DR	Concrete	280	1,142
Hidden Dam-	San Joaquin	Fresno River	Madera	1975	90,000	5,000	FIRW	Earth	163	5,730
Hensley Lake										
Isabella	San Joaquin	Kern River	Bakersfield	1953	567,100	1,850	FIRW	Earth	185	4,952
Lopez	Los Angeles	Pacoima Wash	San Fernando	1954	440	NPP	F	Earth	50	1,333
Martis Creek	Sacramento	Martis Creek	Reno	1971	20,400	71	FSR	Earth	113	2,670

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Merced County Stream Group										
Bear	San Joaquin	Bear Creek	Merced	1954	7,700	NPP	F	Earth	92	1,830
Burns	San Joaquin	Burns Creek	Merced	1950	7,000	NP	F	Earth	55	4,075
Mariposa	San Joaquin	Mariposa Creek	Merced	1948	15,000	NPP	F	Earth	88	1,330
Owens	San Joaquin	Owens Creek	Merced	1949	3,500	NPP	F	Earth	75	790
Mojave River	Mojave	Mojave River	Victorville	1971	89,669	NPP	FR	Earth	106	1,250
New Hogan	San Joaquin	Calaveras River	Valley Springs	1963	317,000	715	FIRX	Earth & Rock	210	1,960
North Fork, American River	Sacramento	American River	Auburn	1939	14,700	280	DR	Concrete	155	620
Pine Flat	San Joaquin	Kings River	Piedra	1954	1,000,000	NPP	FIRX	Concrete	429	1,820
Prado	Santa Ana	Santa Ana River	Corona	1941	196,235	NPP	FRWX	Earth	106	2,280
Redbank and Fancher Creeks	San Joaquin	Fancher Creek	Fresno	1993	9,712	NPP	F	Earth	44	16,135
San Antonio	Santa Ana	San Antonio Creek	Upland, Pomona Claremont	1956	7,703	NPP	FX	Earth	160	3,850
Santa Fe	San Gabriel	San Gabriel River	Duarte	1949	32,109	NPP	FRX	Earth	92	23,800
Sepulveda	Los Angeles	Los Angeles River	Van Nuys	1941	17,425	NPP	FR	Earth	57	15,444
Success	San Joaquin	Tule River	Porterville	1960	82,300	400	FIRX	Earth	142	3,490
Terminus	San Joaquin	Kaweah River	Visalia	1961	185,630	345	FIRX	Earth	250	2,375
Whittier Narrows	San Gabriel	San Gabriel River and Rio Hondo	El Monte, Pico Rivera	1957	49,143	NPP	FRX	Earth	56	16,960

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COLORADO										
Bear Creek	Missouri	Bear Creek	Denver	1978	30,600	107	FRX	Earth	180	5,300
Chatfield	Missouri	South Platte River	Denver	1974	235,098	1,423	FRX	Earth	148	13,136
Cherry Creek	Missouri	Cherry Creek	Denver	1950	92,126	844	FRX	Earth	141	14,300
John Martin	Arkansas	Arkansas River	Lamar	1943	603,465	1,972	FIR	Concrete & Earth	130	13,962
Trinidad	Arkansas	Purgatoire River	Trinidad	1977	123,224	584	FIRX	Earth	200	6,610
CONNECTICUT										
Black Rock	Housatonic	Branch Brook	Thomaston	1970	8,700	20	FR	Earth	154	933
Colebrook River	Connecticut	West Branch, Farmington River	Riverton	1969	97,700	760	FRSX	Earth	223	1,300
Hancock Brook	Housatonic	Hancock Brook	Plymouth	1960	4,030	40	FRW	Earth	57	630
Hop Brook	Housatonic	Hop Brook	Middlebury	1968	6,970	21	FR	Earth	97	520
Mansfield Hollow	Thames	Natchaug River	Willimantic	1952	52,000	450	FRW	Earth	68	12,420
Northfield Brook	Thames	Northfield Brook	Thomaston	1965	2,430	8	FRW	Earth	118	810
Thomaston	Housatonic	Naugatuck River	Thomaston	1960	42,000	NPP	F	Earth	142	2,000
West Thompson	Thames	Quinebaug River	Thompson	1965	26,800	200	FRW	Earth	70	2,550
IDAHO										
Lucky Peak	Columbia	Boise River	Boise	1955	306,000	2,820	FIR	Earth	340	2,340
ILLINOIS										
Alpine Dam	Upper Mississippi	Keith Creek	Rockford	1942	1,770	NPP	F	Earth	48	600
Carlyle	Upper	Kaskaskia River	Carlyle	1967	983,000	26,000	FSNRWA	Earth	67	6,570

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	Mississippi									
Farmdale	Upper Mississippi	Farm Creek	East Peoria	1951	15,500	NPP	F	Earth	80	1,275
Fondulac	Upper Mississippi	Fondulac Creek	East Peoria	1949	3,780	NPP	F	Earth	67	1,000
Levings Lake Dam	Upper Mississippi	S. Branch Kent Creek	Rockford	1935	1,081	121	FR	Earth	23	1,090
Page Park Dam	Upper Mississippi	Kent Creek	Rockford	1980	12,014	NPP	F	Earth	41	3,650
Shelbyville	Upper Mississippi	Kaskaskia River	Shelbyville	1970	684,000	11,100	FSNRW	Earth	108	3,000
Rend Lake	Upper Mississippi	Big Muddy River	Benton	1970	294,000	18,900	FQRSW	Earth	54	10,600
INDIANA										
Brookville	Ohio	East Fork of Whitewater River	Brookville	1974	359,600	4,510	FRSW	Earth	181	2,800
Cagles Mill	Ohio	Mill Creek	Poland	1953	228,120	1,400	FRWQX	Earth & Rock	150	900
Cecil M. Harden	Ohio	Raccoon Creek	Rockville, Mansfield	1960	132,800	1,100	FRWQX	Earth	119	1,860
J. Edward Roush	Ohio	Wabash River	Huntington	1968	153,100	500	FRWQ	Earth & Concrete	91	6,500
Mississinewa	Ohio	Mississinewa	Peru	1967	368,400	1,280	FRWQ	Earth	140	8,000
Monroe	Ohio	Salt Creek	Harrodsburg, Bloomington	1965	441,000	10,750	FRWSA	Earth & Rock	93	1,350
Patoka	Ohio	Patoka River	Dubois,	1978	301,640	8,880	FRSQW	Earth & Rock	84	1,550

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IOWA										
Salamonie	Ohio	Salamonie	Ellsworth Wabash	1966	263,600	980	FRWQ	Earth	133	6,100
Big Creek Barrier Dam	Upper Mississippi	Big Creek	Polk City	1974	4,200	100	F	Earth	83	4,550
Big Creek Diversion Dam	Upper Mississippi	Big Creek	Polk City	1970	27,500	7,600	FR	Earth	80	1,750
Big Creek Terminal Dam	Upper Mississippi	Big Creek Diversion Channel	None	1972	27,500	7,600	F	Earth	95	480
Coralville	Upper Mississippi	Iowa River	Iowa City	1958	461,200	5,430	FARWQ	Earth	132	1,400
Red Rock	Upper Mississippi	Des Moines River	Des Moines	1969	1,760,350	19,000	FARWQ	Earth	110	6,260
Rathbun	Missouri	Chariton River	Centerville	1969	552,000	11,000	FNRWXQS	Earth	86	10,600
Saylorville	Upper Mississippi	Des Moines River	Des Moines	1975	670,000	5,950	FARWQS	Earth	125	6,658
Virden Creek Dam	Upper Mississippi	Virden Creek	Waterloo	1979	8,300	NPP	F	Earth	33	3,040
KANSAS										
Clinton	Missouri	Wakarusa River	Lawrence	1977	397,200	7,000	FSWXRQ	Earth & Rock	114	9,250
Council Grove	Arkansas	Grand (Neosho)	Council Grove	1964	112,882	3,259	FSQR	Earth	96	6,500
El Dorado	Arkansas	Walnut River	El Dorado	1981	246,882	8,400	FSQRW	Earth	99	20,850
Elk City	Arkansas	Elk River	Independence	1966	284,450	4,118	FSQWR	Earth	107	4,840
Fall River	Arkansas	Fall River	Fall River	1949	254,900	2,330	FSWQR	Earth	94	6,015

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Hillsdale	Missouri	Big Bull Creek	Hillsdale	1981	160,000	4,580	FSQRWX	Earth	75	11,600
John Redmond	Arkansas	Grand (Neosho)	Burlington	1964	574,900	8,084	FSQRW	Earth	86.5	21,790
Kanopolis	Missouri	Smoky Hill River	Marquette	1948	450,000	3,815	FRWXS	Earth	131	15,360
Marion	Arkansas	Cottonwood River	Marion	1968	141,800	6,210	FRQS	Earth	67	8,375
Melvern	Missouri	Marais des Cygnes	Melvern	1972	363,000	6,930	FRQWXS	Earth	98	9,700
Milford	Missouri	Republican River	Junction City	1965	1,160,000	15,600	FRSXWN	Earth & Rock	126	6,300
Pearson Skubitz Big Hill	Arkansas	Big Hill Creek	Cherryvale	1981	39,540	1,240	FSRW	Earth	83	3,902
Perry	Missouri	Delaware River	Perry	1969	770,000	12,500	FRSXWN	Earth & Rock	96	7,750
Pomona	Missouri	110 Mile Creek	Pomona	1963	230,000	4,000	FRSWXQ	Earth & Rock	85	7,750
Toronto	Arkansas	Verdigris River	Toronto	1960	200,800	2,660	FSQWR	Earth	90	4,712
Tuttle Creek	Missouri	Big Blue River	Manhattan	1962	2,346,000	15,800	FRWXQNS	Earth & Rock	157	7,500
Wilson	Missouri	Saline River	Wilson	1964	776,000	9,000	FIRWXN	Earth	160	5,600
KENTUCKY										
Barren River	Ohio	Barren River	Bowling, Green, Glasgow	1964	815,150	4,340	FRWSQ	Earth & Rock	146	3,970
Buckhorn	Ohio	Middle Fork of Kentucky River	Buckhorn	1961	167,900	550	FQRW	Earth & Rock	160	1,020
Carr Creek	Ohio	Carr Fork	Hazard	1976	47,700	590	FRWQA	Earth & Rock	130	720
Cave Run	Ohio	Licking River	Morehead, Farmers	1974	614,100	7,390	FQRW	Earth & Rock	148	2,700
Dewey	Ohio	Johns Creek	Paintsville	1949	93,000	1,100	FRW	Earth	118	913
Fishtrap	Ohio	Levisa Fork, Big Sandy River	Pikeville	1968	164,360	569	FARW	Rock	195	1,100

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Grayson	Ohio	Little Sandy	Grayson	1967	118,990	1,050	FQRW	Earth & Rock	120	1,460
Green River	Ohio	Green River	Campbellsville	1969	723,200	6,650	FRSQW	Earth & Rock	143	2,350
Martins Fork Paintsville	Cumberland Ohio	Martins Fork Paint Creek	Harlan Paintsville	1978	21,00	578	FQ	Concrete	97	574
				1983	73,500	261	FQRW	Earth & Rock	160	1,600
Nolin	Ohio	Nolin River	Brownsville, Kyrock	1963	609,400	2,890	FRWSQ	Earth & Rock	166	980
Rough River	Ohio	Rough River	Falls of Rough, Leitchfield	1959	334,400	2,180	FRWSQX	Earth & Rock	130	1,590
Taylorville	Ohio	Salt River	Taylorville	1983	291,670	2,930	FQRW	Earth & Rock	163	1,280
Yatesville	Ohio	Blaine Creek	Yatesville	1988	86,951	3,921	FQRW	Earth & Rock	105	760
LOUISIANA										
Bayou Bodcau	Red	Bayou Bodcau	Shreveport	1949	357,300	NPP	FRW	Earth	70	12,850
Caddo Lake	Red	Cypress Bayou	Shreveport	1971	175,000	32,700	NFRS	Concrete & Earth	34	3,700
Wallace Lake	Red	Cypress Bayou	Shreveport	1946	96,100	2,300	FQRS	Earth	30	4,994
MARYLAND										
Jennings Randolph Lake	Potomac	North Branch Potomac River	Barnum	1981	130,900	952	FQRSW	Earth & Rock	296	2,130
MASSACHUSETT										
S										
Barre Falls	Connecticut	Ware River	Barre	1958	24,000	NPP	FRW	Earth & Rock	62	885
Birch Hill	Connecticut	Millers River	So. Royston	1941	49,900	NPP	FRW	Earth & Rock	56	1,400

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Buffumville	Thames	Little River	Charlton	1958	12,700	200	FRW	Earth & Rock	66	3,255
Charles River Natural Valley Storage	Charles	Charles River	Millis	1983	35,000	NPP	F	Non-structural	--	--
Conant Brook	Connecticut	Conant Brook	Monson	1966	3,740	NPP	F	Earth & Rock	85	1,050
East Brimfield	Connecticut	Quinebaug River	Fiskdale	1960	30,000	360	FRW	Earth & Rock	55	520
Hodges Village	Connecticut	French River	Oxford	1959	12,800	NPP	FRW	Earth & Rock	55	2,140
Knightville	Connecticut	Westfield River	Huntington	1941	49,000	NPP	FRW	Earth & Rock	160	1,200
Littleville	Connecticut	Middle Branch, Westfield River	Chester	1965	32,400	275	FRWS	Earth & Rock	1,164	1,360
Tully	Connecticut	Tully River	Fryville	1949	22,000	300	FRW	Earth & Rock	62	1,570
West Hill	Blackstone	West River	Uxbridge	1960	12,350	NPP	FRW	Earth & Rock	51	2,400
Westville	Thames	Quinebaug River	Sturbridge	1961	11,100	23	FRW	Earth & Rock	78	560
MINNESOTA										
Big Stone Lake-Whetstone River (HWY 75)	Upper Mississippi	Minnesota River	Odessa	1974	45,000	12,700	FRW	Earth	25	13,700
Lac Qui Parle Chippewa River	Upper Mississippi	Chippewa River	Watson	1950	(²)	NPP	FRWX	Rolled Earth	23.3	17,975
LacQui Parle	Upper Mississippi	Minnesota River	Montevideo	1950	158,700	7,750	FRWX	Rolled Earth	25	4,100
Marsh Lake	Upper Mississippi	Minnesota River	Montevideo	1953	35,900	8,100	FARS	Rolled Earth	19.5	11,800
Orwell	Red River	Otter Tail River of the North	Fergus Falls	1953	14,100	790	FARS	Rolled Earth	47	1,355
Red Lake	Red River	Red Lake River of the North	Red Lake	1951	3,270,000	288,800	FARSX	Earth & Rock	15.5	36,500
Reservoirs at Headwaters of Mississippi River	Upper Mississippi									

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Lake Winnibigoshish		Mississippi River	Deer River	1884	1,240,000	121,000	FRW	Earth & Concrete	22	162
Leech Lake		Leech	Federal Dam	1885	1,233,000	174,500	FRW	E & C	12	294
Pokegema		Mississippi River	Grand Rapids	1884	203,000	24,800	FRW	E & C	14	225
Sandy Lake		Mississippi River	McGregor	1895	118,000	12,900	FRW	E & C	14	109
Pine River (Cross)		Pine	Cross Lake	1886	188,000	15,500	FRW	E & C	19	150
Gull Lake		Gull	Brainerd	1911	71,000	13,100	FRW	E & C	6	69
MISSISSIPPI										
Arkabutla Lake	Lower Mississippi	Coldwater River	Arkabutla	1945	525,300	5,100	F	Earth & Rock	65	10,000
Enid Lake	Lower Mississippi	Yocona River	Enid	1952	660,000	6,100	F	Earth & Rock	85	8,400
FWR number 38	Yazoo	Gourdvine	Lexington	2004	5,753	48	F	Earth	53	1,020
FWR number 30	Yazoo	Black Creek	Lexington	2001	3,993	72	F	Earth	42	1,384
FWR number 47	Yazoo	Williams	Lexington	1995	3,476	79	F	Earth	45	1,540
FWR number 52	Yazoo	Harland Creek	Lexington	1998	13,686	200	F	Earth	53	2,270
Grenada Lake	Lower Mississippi	Yalobusha River	Grenada	1954	1,337,400	9,800	F	Earth & Rock	80	13,900
Okatibbee	Pascagoula	Okatibbee Creek	Meridian	1969	142,400	1,280	FQSR	Earth	67	6,543
Sardis Lake	Lower Mississippi	Little Tallahatchie River	Sardis	1940	1,570,000	10,700	F	Earth & Rock	97	15,300
MISSOURI										
Bear Creek Dam	Upper Mississippi	Bear Creek	Hannibal	1962	8,700	NPP	F	Earth	81	1,250

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Clearwater	White	Black River	Piedmont	1948	413,700	1,630	FRWX	Earth & Rock	154	4,225
Long Branch	Grand Chariton	Little Chariton	Macon	1980	65,000	2,430	FRSQW	Earth	71	3,800
Little Blue River Lakes										
Blue Springs	Missouri	Little Blue River	Kansas City	1988	26,600	560	FRW	Earth & Rock	78	2,500
Longview	Missouri	Little Blue River	Kansas City	1986	46,900	930	FRWQ	Earth	120	1,900
Pomme de Terre	Missouri	Pomme de Terre River	Hermitage	1961	650,000	7,820	FRWXA	Earth & Rock	155	4,630
Smithville	Missouri	Little Platte River	Smithville	1982	246,500	7,190	FSQRW	Earth	95	4,200
Wappapello	Lower Mississippi	St. Francis River	Wappapello	1941	613,200	4,100	FR	Earth & Rock	109	2,700
NEBRASKA										
Harlan County	Missouri	Republican Riv	Republican City	1952	850,000	13,600	FIRWXA	Earth	107	11,827
Papillion Creek and Tributaries Glenn										
Cunningham (Site 11)	Missouri	Knight Creek	Omaha	1975	17,161	377	FQEX	Earth	56	1,930
Standing Bear (Site 16)	Missouri	Trib of Big Papillion Creek	Omaha	1973	4,876	125	FRX	Earth	53	1,480
Ed Zorinsky (Site 18)	Missouri	Boxelder Creek	Omaha	1985	10,686	259	FR	Earth	64	3,400
Wehrspann (Site 20)	Missouri	S. Papillion Creek	Omaha	1993	8,801	239	FR	Earth	59	1,810
Salt Creek &	Missouri	S. Trib. Olive	Kramer	1964	4,957	162	FR	Earth	45	3,020

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Tributaries Olive Creek (Site 2)		Br. Creek								
Blue Stem (Site 4)	Missouri	N. Trib Olive Br. Creek	Sprague	1963	9,660	309	FR	Earth	57	2,460
Wagon Train (Site 8)	Missouri	N. Trib. Hickman Creek	Holland	1963	8,929	277	FR	Earth	52	1,650
Stagecoach Site (9)	Missouri	S. Trib. Hickman Creek	Hickman	1964	5,864	195	FB	Earth	48	2,250
Yankee Hill (Site 10)	Missouri	Cardwell Creek	Denton	1966	7,463	211	FR	Earth	52	3,100
Conestoga (Site 12)	Missouri	Holmes Creek	Denton	1964	9,567	217	FR	Earth	58	2,075
Town Lake (Site 13)	Missouri	Middle Creek	Pleasantdale	1966	7,182	236	FR	Earth		
Pawnee (Site 14)	Missouri	N. Middle Creek	Emerald	1965	28,112	739	FR	Earth	65	5,000
Holmes Park Lake (Site 17)	Missouri	Antelope Creek	Lincoln	1963	6,628	123	FR	Earth	55	7,700
Branched Oak (Site 18)	Missouri	Oak Creek	Raymond	1968	96,774	1,847	FR	Earth	70	5,200
NEW HAMPSHIRE										
Blackwater	Merrimack	Blackwater River	Webster	1941	46,000	NPP	FRW	Earth	75	1,150
Edward MacDowell	Merrimack	Nubanusit Brook	West Peterborough	1950	12,800	NPP	FRW	Earth	67	1,030
Franklin Falls	Merrimack	Pemigewasset River	Franklin	1943	154,000	NPP	FRW	Earth	140	1,740
Hopkinton-Everett	Merrimack	Contoocook River	West Hopkinton	1962	71,500	200	FRW	Earth	76	790
	Merrimack	Piscataquog River	East Weare	1962	87,500	120	FRW	Earth	115	2,000

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Characteristics of Dam			
							Project Functions	Type	Height (Feet)	Length (Feet)
Otter Brook	Connecticut	Otter Brook	Keene	1958	18,300	85	FRW	Earth	133	1,288
Surry Mountain	Connecticut	Ashuelot River	Keene	1941	32,500	265	FRW	Earth	86	1,670
NEVADA										
Mathews Canyon	Colorado	Mathews Canyon	Caliente	1957	6,271	NPP	FX	Earth	71	800
Pine Canyon	Colorado	Pine Canyon	Caliente	1957	7,747	NPP	FX	Earth	92	884
NEW MEXICO										
Abiquiu	Rio Grande	Rio Chama	Abiquiu	1963	1,192,801	NPP	FXS	Earth	341	1,800
Cochiti	Rio Grande	Rio Grande	Pena Blanca	1975	582,019	1,200	FRWX	Earth	251	28,300
Conchas	Arkansas	Canadian River	Tucumcari	1939	513,900	2,694	FI	Concrete & Earth	200	19,400
Galisteo	Rio Grande	Galisteo Creek	Santa Fe	1970	89,468	NPP	FX	Earth	165	3,210
Jemez Canyon	Rio Grande	Jemez River	Bernailillo	1953	97,425	NPP	FX	Earth	149.6	861
Santa Rosa	Pecos	Pecos River	Santa Rosa	1979	438,364	NPP	FIX	Earth	212	1,950
Two Rivers:										
Diamond "A" Dam	Pecos	Rio Hondo	Roswell	1963	163,775	NPP	FX	Earth	98	4,885
Rocky Dam	Pecos	Rocky Arroyo							118	2,940
NEW YORK										
Almond	Susquehanna	Canacadea Crk	Hornell	1949	14,005	162	FRW	Earth	90	1,260
Arkport	Susquehanna	Canisteo Crk	Arkport	1940	7,900	NPP	F	Earth	113	1,200
East Sidney	Susquehanna	Ouleout Crk	Franklin	1950	33,550	210	FRW	Concrete & Earth	130	2,010
Mount Morris	Genesee	Genesee River	Mount Morris	1952	337,000	170	FR	Concrete	210	1,028
Whitney Point	Susquehanna	Otselic River	Whitney Point	1942	86,440	1,200	FRW	Earth	95	4,900
NORTH CAROLINA										

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Characteristics of Dam			
							Project Functions	Type	Height (Feet)	Length (Feet)
B. Everett Jordan Falls	Cape Fear	New Hope	Durham	1982	753,500	14,300	FQRSWX	Earth	112	1,330
W. Kerr Scott	Neuse	Neuse	Raleigh	1983	335,620	11,300	FQRSWX	Earth	92	1,915
	Yadkin Pee Dee	Yadkin	Wilkesboro	1962	153,000	1,470	FARSX	Earth	148	1,740
NORTH DAKOTA										
Baldhill	Red River of the North	Sheyenne River	Valley City	1951	101,365	5,430	FARS	Earth	61	1,650
Bowman-Haley	Missouri	North Fork, Grand River	Haley	1967	91,482	1,732	FSRWK	Earth	79	5,730
Homme	Red River of the North	South Branch of Park River	Park River	1953	6,700	194	FARS	Earth	67	865
Pipestem	James River	Pipestem Creek	Jamestown	1974	142,107	840	FRWX	Earth	99.5	4,000
OHIO										
Alum Creek	Ohio	Alum Creek	Africa	1975	134,800	348	FRSW	Concrete & Earth	93	10,000
Berlin	Ohio	Mahoning Creek	Deerfield	1943	91,200	240	FARSWQ	Concrete & Earth	96	5,750
Caesar Creek	Ohio	Caesar Creek	Waynesville, Wilmington	1978	242,200	2,720	FRWSQ	Earth & Rock	165	2,650
Clarence J. Brown	Ohio	Buck Creek	Springfield	1974	63,700	1,940	FQRW	Earth & Rock	72	6,620
Deer Creek	Ohio	Deer Creek	New Holland	1968	102,500	727	FRW	Earth	93	3,880
Delaware	Ohio	Olen Tangy River	Deleware	1961	273,000	1,325	FARW	Earth	118	1,400
Dillon	Ohio	Licking River	Zanesville	1961	273,000	1,325	FRW	Earth	118	1,400
Michael J. Kirwan	Ohio	West Branch, Mahoning River	Newton Falls	1966	78,700	580	FAQRSW	Earth	83	9,900
Mosquito Creek	Ohio	Mosquito Creek	Cortland	1944	104,100	700	FARSWQ	Earth	47	5,650
Muskingum River										

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

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							Project Functions	Type	Height (Feet)	Length (Feet)
Reservoirs:										
Atwood	Ohio	Indian Fork	New Cumberland	1937	49,700	1,540	FRW	Earth	65	3,700
Beach City	Ohio	Sugar Creek	Beach City	1937	71,700	420	FRW	Earth	64	5,600
Bolivar	Ohio	Sandy Creek	Bolivar	1938	149,600	NPP	F	Earth	87	6,300
Charles Mill	Ohio	Black Fork	Mifflin	1936	88,000	1,350	FRW	Earth	48	1,390
Clendening	Ohio	Brushy Fork	Tippecanoe	1937	54,000	1,800	FRW	Earth	64	950
Dover	Ohio	Tuscarawas River	Dover	1938	203,000	350	F	Concrete	83	824
Leesville	Ohio	McGuire Creek	Leesville	1937	37,400	1,000	FRW	Earth	74	1,694
Mohawk	Ohio	Walhondoing Riv	Nellie	1937	285,000	NPP	F	Earth	111	2,330
Mohicanville	Ohio	Lake Fork	Mohicanville	1936	102,000	NPP	F	Earth	46	1,220
Piedmont	Ohio	Stillwater Creek	Piedmont	1937	65,000	2,270	FRW	Earth	56	1,750
Pleasant Hill	Ohio	Clear Fork	Perrysville	1938	87,700	850	FRW	Earth	113	775
Senecaville	Ohio	Seneca Fork	Senecaville	1937	88,500	3,550	FRWX	Earth	45	2,350
Tappan	Ohio	Little Stillwater Crk	Tappan	1936	61,60-0	2,350	FRW	Earth	52	1,550
Wills Creek	Ohio	Wills Creek	Conesville	1937	196,000	900	FRX	Earth	87	1,950
North Branch, Kokosing River Lake	Ohio	North Branch of Kokosing River	Fredericktown	1973	14,900	98	FRW	Earth	71	1,400
Paint Creek	Ohio	Paint Creek	New Petersburg	1972	145,000	710	FRSQW	Earth & Rock	118	700
Tom Jenkins	Ohio	East Branch, Sunday Creek	Gloucester	1951	26,900	394	FRS	Concrete	84	944
West Fork Mill Creek	Ohio	Mill Creek	Cincinnati, Mt Healthy	1952	11,380	180	FRX	Earth	100	1,100
William H. Harsha	Ohio	Little Miami River	Batavia, Williamsburg	1978	284,470	2,000	FRWSQA	Earth	200	1,450

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

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							Project Functions	Type	Height (Feet)	Length (Feet)
OKLAHOMA										
Arcadia	Arkansas	Deep Fork River	Edmond	1986	92,020	1,820	FSR	Earth	102	5,250
Birch	Arkansas	Birch Creek	Barnsdall	1977	59,030	1,137	FSQRW	Earth	97	3,190
Canton	Arkansas	North Canadian River	Canton	1948	377,100	7,910	FSIRW	Earth	68	15,140
Copan	Arkansas	Little Caney River	Copan	1983	227,700	4,450	FSQRWN	Earth	73	7,730
Fort Supply	Arkansas	Wolf Creek	Fort Supply	1942	100,700	1,820	FSX	Earth	85	11,865
Great Salt Plains	Arkansas	Salt Fork of the Arkansas River	Cherokee	1941	241,500	7,780	FRWX	Earth	68	6,010
Heyburn	Arkansas	Polecat Creek	Sapulpa	1950	55,395	880	FRWXS	Earth	89	2,920
Hugo	Red	Kiamichi River	Hugo	1974	955,200	13,140	FSQRW	Earth	101	10,200
Hulah	Arkansas	Caney River	Bartlesville	1951	289,000	3,120	FSQRNW	Earth	94	5,200
Kaw	Arkansas	Arkansas River	Ponca City	1977	1,327,160	16,750	FSQRWN	Earth	125	9,466
Oologah	Arkansas	Verdigris River	Oologah	1963	1,559,270	31,040	FSNRW	Earth	137	4,000
Optima	Arkansas	North Canadian River	Hardesty	1978	229,500	5,340	FSRW	Earth	120	16,900
Pine Creek	Red	Little River	Wright City	1969	465,780	3,750	FSQWR	Earth	124	7,712
Sardis	Red	Jackfork Creek	Clayton	1982	396,900	13,610	FSRW	Earth	101	14,138
Skiatook	Arkansas	Hominy Creek	Skiatook	1984	500,700	10,190	FSQRW	Earth	143	3,590
Waurika	Red	Beaver Creek	Waurika	1977	325,680	10,100	FISQWR	Earth	106	16,637
Wister	Arkansas	Poteau River	Wister	1949	427,389	7,386	FSNAXWR	Earth	99	5,700
OREGON										
Applegate	Rogue	Applegate River	Medford	1981	75,000	988	AFIQRSW	Gravel Embankment	242	1,300
Blue River	Columbia	Blue River	Blue River	1968	85,000	975	FINR	Earth	319	1,329

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Characteristics of Dam			
							Project Functions	Type	Height (Feet)	Length (Feet)
Cottage Grove	Columbia	Coast Fork, Willamette River	Cottage Grv	1942	30,060	1,155	FINR	Concrete & Earth	114	2,110
Dorena	Columbia	Row River	Cottage Grv	1949	70,500	1,885	FINR	Concrete & Earth	145	3,352
Fall Creek	Columbia	Middle Fork, Willamette River	Eugene	1965	115,000	1,865	FINR	Rock-fill & Concrete	193	5,100
Fern Ridge	Columbia	Long Tom River	Eugene	1941	110,000	10,305	FINR	Rock-fill & Concrete	49	6,624
Willow Creek	Columbia	Willow Creek	Heppner	1983	13,250	96	FRN	Roller Compacted Concrete	160	1,780
PENNSYLVANIA										
Alvin R. Bush	Susquehanna	Kettle Creek	Renovo	1962	75,000	160	FRWQ	Earth & Rock	165	1,350
Aylesworth Creek	Susquehanna	Aylesworth Creek	Archbald	1970	1,700	64	FRQ	Earth & Rock	90	1,270
Beltzville	Delaware	Pohopoco Creek	Lehighton	1971	68,250	947	FQRSWA	Earth & Rock	170	4,560
Blue Marsh	Delaware	Tulpehocken Creek	Reading	1978	50,010	960	FAQRSW	Earth & Rock	98	1,775
Conemaugh	Ohio	Conemaugh River	Saltsburg	1952	262,700	800	FW	Concrete & Earth	137	1,265
Cowanesque	Susquehanna	Cowanesque River	Lawrenceville	1980	89,000	1085	FRSQW	Earth & Rock	151	3,100
Crooked Creek	Ohio	Crooked Creek	Ford City	1940	93,900	350	FRW	Earth	143	1,480
Curwensville	Susquehanna	West Branch, Susquehanna River	Curwensville	1965	124,200	790	FRS	Earth	131	2,850
East Branch, Clarion	Ohio	East Branch,	Wilcox	1952	84,300	90	FARQW	Earth	184	1,725

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Characteristics of Dam			
							Project Functions	Type	Height (Feet)	Length (Feet)
River		Clarion River								
Francis E. Walter (Bear Creek)	Delaware	Lehigh River	White Haven	1961	109,610	80	FRW	Earth & Rock	234	3,000
Gen. Edgar Jadwin	Delaware	Dyberry Creek	Honesdale	1960	24,500	NPP	F	Earth	109	1,255
Hammond Lake	Susquehanna	Crooked Creek	Tioga	1978	63,000	680	FRQW	Earth & Rock	122	6,450
Indian Rock	Susquehanna	Codorus Creek	York	1942	28,000	NPP	F	Earth & Rock	83	1,000
Kinzua	Ohio	Allegheny River	Warren	1965	1,180,000	1,900	PFAQRW	Concrete & Earth	177	1,877
Loyalhanna	Ohio	Loyalhanna Creek	Saltsburg	1942	95,300	210	FRW	Concrete & Earth	114	960
Mahoning Creek	Ohio	Mahoning Crk	New Bethlehem	1941	74,200	170	FRW	Concrete	162	926
Prompton	Delaware	West Branch, Lackawaxen River	Honesdale	1960	52,000	290	FRW	Earth	140	1,200
Raystown	Susquehanna	Raystown Branch, Juniata River	Huntingdon	1973	762,000	8,300	FRWPQ	Earth & Rock	225	1,700
Shenango	Ohio	Shenango River	Sharpsville	1966	191,400	1,910	FAQRW	Concrete	68	720
Stillwater	Susquehanna	Lackawanna River	Uniondale	1960	12,000	85	FS	Earth	77	1,700
Tioga Lake	Susquehanna	Tioga River	Tioga	1978	62,000	470	FRQW	Earth & Rock	140	2,710
Tionesta	Ohio	Tionesta Creek	Tionesta	1940	133,400	480	FRW	Earth	154	1,050
Union City	Ohio	French Creek	Union City	1970	47,640	NPP	F	Earth	88	1,420
Woodcock Creek	Ohio	French Creek	Meadville	1973	20,000	118	FQRA	Earth	90	4,650
Youghiogheny River	Ohio	Youghiogheny River	Confluence	1943	254,000	450	FARWQ	Earth	184	1,610
PUERTO RICO										
Cerrillos	Cerrillos	Cerrillos River	Ponce	1992	47,900	5,635	FS	Earth & Rock	320	1,475
SOUTH DAKOTA										

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

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							Project Functions	Type	Height (Feet)	Length (Feet)
Cold Brook	Missouri	Cold Brook	Hot Springs	1953	7,200	36	FRWX	Earth	127	925
Cottonwood Springs	Missouri	Cottonwood Springs Creek	Hot Springs	1970	8,385	41	FRWX	Earth	123	1,190
Lake Traverse: Reservation Dam	Red River of the North	Bois de Sioux River	Wheaton	1941	177,000	10,925	FRX	Rolled Earth	14	9,100
White Rock	Red River of the North	Bois de Sioux River	Wheaton	1941	96,000	3,850	FRX	Rolled Earth	16	14,400
TEXAS										
Addicks	San Jacinto	South Mayde Crk	Addicks	1948	204,500	NPP	FX	Earth	49	61,166
Aquilla	Brazos	Aquilla Creek	Hillsboro	1983	146,000	3,280	FSX	Earth	104.5	11,890
Bardwell	Trinity	Waxahachie Cr	Ennis	1965	140,000	42,800	FSR	Earth	82	15,400
Barker	San Jacinto	Buffalo Bayou	Barker	1945	207,000	NPP	FX	Earth	27	72,844
Belton	Brazos	Leon River	Belton	1954	1,097,600	12,300	FIRSX	Earth	192	5,524
Benbrook	Trinity	Clear Fork, Trinity River	Fort Worth	1952	258,600	3,770	FNRXA	Earth	130	9,130
Canyon	Guadalupe	Guadalupe River	New Braunfels	1964	366,400	346,400	FRSX	Earth	224	4,410
Ferrells Bridge Dam-	Red	Cypress Creek	Jefferson	1959	842,100	18,700	FRS	Earth	97	10,600
Lake O' the Pines										
Granger Dam and Lake	Brazos	San Gabriel River	Granger	1980	244,200	4,400	FRSWX	Earth	115	16,320
Grapevine	Trinity	Denton Creek	Grapevine	1952	425,500	7,280	FNRSXA	Earth	137	12,850
Hords Creek	Colorado	Hords Creek	Coleman	1948	25,310	510	FARSX	Earth	91	6,800
Joe Pool	Trinity	Mountain Creek	Grand Prairie	1994	304,000	7,470	FRSX	Earth	109	22,360
Jim Chapman Lake	Red	Sulphur River	Cooper	1994	441,200	19,305	FRSWX	Earth	79	28,070
Lavon	Trinity	East Fork, Trinity River	Dallas	1953	748,200	21,400	FRSW	Earth	81	19,483
Lewisville	Trinity	Elm Fork,	Lewisville	1954	989,700	23,280	FRSX	Earth	125	32,888

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

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							Project Functions	Type	Height (Feet)	Length (Feet)
Navarro Mills	Trinity	Trinity River								
North San Gabriel Dam, Lake Georgetown	Brazos	Richland Creek	Corsicana	1963	212,200	5,070	FRSX	Earth	82	6,700
O.C. Fisher	Colorado	North Fork, San Gabriel River	Georgetown	1980	130,800	1,310	FRSWX	Rock	164	6,700
Pat Mayse	Red	North Concho River	San Angelo	1952	396,400	5,440	FRSX	Earth	128	40,885
Proctor	Brazos	Sanders Creek	Arthur City	1967	182,940	5,940	FRSW	Earth	96	7,080
Ray Roberts	Trinity	Leon River	Comanche	1963	374,200	4,610	FRSX	Earth	86	13,460
Somerville	Brazos	Elm Fork	Denton	1987	1,064,600	29,350	FRSX	Earth	109	14,965
Stillhouse Hollow	Brazos	Yegua Creek	Somerville	1967	507,500	11,460	FRSX	Earth	80	26,175
Waco	Brazos	Lampasas River	Belton	1968	630,400	6,430	FRSX	Earth	200	15,624
Wright Patman	Red	Bosque River	Waco	1965	726,400	7,270	FRSX	Concrete & Earth	145	24,618
		Sulphur River	Texarkana	1962	2,654,300	20,300	FRSX	Earth	100	18,500
UTAH										
Little Dell Lake	Jordan River	Dell Creek	Salt Lake City	1993	20,500	1,000	FS	Earth	224	1,700
VERMONT										
Ball Mountain	Connecticut	West River	Jamaica	1961	54,600	75	FRW	Concrete & Earth	265	915
North Hartland	Connecticut	Ottauguechee River	North Hartland	1960	71,420	220	FRW	Concrete & Earth	185	1,520
North Springfield	Connecticut	Black River	Springfield	1960	51,067	290	FRW	Concrete & Earth	120	2,940
Townsend	Connecticut	West River	Townshend	1961	33,700	100	FRW	Concrete & Earth	133	1,700
Union Village	Connecticut	Ompompa-noosuc River	Union Village	1950	38,000	NPP	FRW	Concrete & Earth	170	1,100

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

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							Project Functions	Type	Height (Feet)	Length (Feet)
VIRGINIA										
John W. Flannagan	Ohio	Pound River	Haysi	1963	145,700	310	FARWS	Concrete & Earth	250	960
Gathright Dam & Lake Moomaw	James	Jackson	Alleghany	1979	123,739	2,532	FQR	Earth & Rock	257	1,172
North Fork of Pound River	Ohio	North Fork of Pound	Pound	1968	11,300	349	FRSW	Earth & Rock	122	600
WASHINGTON										
Howard A. Hanson	Green	Green River	Kanaskat	1961	106,000	1,600	FAS	Rock/Earth	235	500
Mill Creek	Columbia	Mill Creek	Walla Walla	1942	8,300	225	FR	Earth	125	3,200
Mud Mountain	Puyallup	White River	Enumclaw	1948	106,000	NPP	FR	Rock	432	810
WEST VIRGINIA										
Beech Fork	Ohio	Beech Fork	Lavalette	1977	37,540	450	FRW	Earth	86	1,080
Bluestone	Ohio	New River	Hinton	1952	631,000	1,800	FRWX	Concrete	180	2,048
Burnsville	Ohio	Little Kanawha	Burnsville	1977	65,400	550	FQRW	Earth & Rock	89	1,400
East Lynn	Ohio	Twelvepole Creek	East Lynn	1970	82,500	823	FQRW	Earth & Rock	122	650
R. D. Bailey	Ohio	Guyandotte River	Justice	1979	203,700	440	FQRW	Earth & Rock	310	1,397
Stonewall Jackson Lake	Ohio	West Fork	Weston	1988	74,650	360	FAQAS	Concrete	95	620
Summersville Lake	Ohio	Gauley River	Summersville	1965	413,800	407	FARW	Rock	390	2,280
Sutton	Ohio	Elk River	Sutton	1960	265,300	270	FARW	Concrete	220	1,921
Tygart River	Ohio	Tygart River	Grafton	1938	287,700	620	FNAR	Concrete	230	1,921

APPENDIX A
Flood Control Reservoirs Operable September 30, 2009

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							Project Functions	Type	Height (Feet)	Length (Feet)
WISCONISIN Eau Galle	Chippewa	Eau Galle	Spring Valley	1969	43,600	153	FR	Earth	122	1,800

KEY FOR PROJECT FUNCTIONS:

- | | |
|---------------------------|---|
| A - Low Flow Augmentation | Q - Water Quality Control |
| D - Debris Control | R - Public Recreation (Annual Attendance exceeding 5,000) |
| F - Flood Control | S - Water Supply |
| I - Irrigation | W - Fish and Wildlife (Federal or State) |
| N - Navigation | X - Water Conservation and Sedimentation |
| P - Power | |

APPENDIX A
Flood Control Reservoirs Constructed or Contributed to by Corps of Engineers
But Operated by Others September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Project Functions	Type	Height (Feet)	Length (Feet)
CALIFORNIA										
Big Dry Creek	San Joaquin	Big Dry Creek	Fresno	1948	16,250	NPP	F	Earth	40	20,038
Camanche	San Joaquin	Mokelumne River	Clements	1963	431,500	NPP	FRS	Earth & Rock	171	2,450
Cherry Valley	Tuolumne	Cherry Creek	Sonora`	1956	268,000	475	FS	Earth & Rock	315	2,500
Del Valle	Alameda	Arroyo Del Valle	Livermore	1968	77,000	200	FRS	Earth	223	880
Eaton Wash	Rio Hondo	Eaton Wash	Pasadena	1937	960	NPP	F	Earth	82	1,795
New Bullards Bar	Sacramento	Yuba River	Marysville	1968	960,000	1,910	FIRPW	Concrete	645	2,323
New Don Pedro	San Joaquin	Tuolumne River	Modesto	1970	2,030,000	3,520	FISP	Earth & Rock	565	1,920
New Exchequer	San Joaquin	Merced River	Merced	1966	1,026,000	1,900	FIR	Rock	480	1,200
Oroville	Sacramento	Feather River	Oroville	1964	3,539,000	5,838	FIRSW	Earth	770	6,850
Tahchevah Creek	Whitewater	Tahchevah Creek	Palm Springs	1965	960	NPP	F	Earth	42	3,610
COLORADO										
Pinon Canyon	Colorado	Pinon Canyon Arroyo	Trinidad	1954	4,350	NPP	FW	Earth		
CONNECTICUT										
East Branch	Housatonic	East Branch, Naugatuck River	Torrington	1964	4,350	NPP	FR	Earth		
Hall Meadow Brook	Housatonic	Hall Meadow Brook	Torrington	1962	8,620	NPP	F	Earth & Rock		
Mad River	Connecticut	Mad River	Winchester	1963	9,700	10	FR	Earth		
Sucker Brook	Connecticut	Sucker Brook	Winchester	1970	1,480	NPP	F	Earth		

APPENDIX A
Flood Control Reservoirs Constructed or Contributed to by Corps of Engineers
But Operated by Others September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Project Functions	Type	Height (Feet)	Length (Feet)
HAWAII										
Kaneohe-Kailua	Kaneohe	Kaneohe Stream	Kaneohe	1981	3,800	26	FR	Earth		
IDAHO										
Ririe	Upper Snake	Willow Creek	Idaho Falls	1975	100,500	364	FIR	Earth		
MARYLAND										
Savage River	Potomac	Savage	Westernport	1952	20,000	360	FRSW	Earth & Rock		
MISSOURI										
Bear Creek	Upper Mississippi	Bear Creek	Hannibal	1962	8,700	NPP	F	Earth		
NEW MEXICO										
Cuchillo Negro	Rio Grande	Cuchillo Creek	Truth or Consequence	1991	13,500	NPP	F	Roller Compacted Concrete		
NEW YORK										
Onondaga	Oswego	Onondaga Creek	Syracuse	1949	18,200	NPP	F	Earth		
OKLAHOMA										
Altus	Red	North Fork of the Red River	Altus	1948	152,430	6,260	FISWR	Concrete	90	1,104
Grand Lake O' the Cherokees	Arkansas	Grand (Neosho) River	Disney	1941	2,197,000	46,500 ⁶	FRPS	Concrete	147	6,565

APPENDIX A
Flood Control Reservoirs Constructed or Contributed to by Corps of Engineers
But Operated by Others September 30, 2009

Name	River Basin	Stream	Community in Vicinity	Cal. Year Placed in Useful OP	Total Storage (Acre-Ft.)	Permanent Pool (Acreage) or No Pool (NPP)	Project Functions	Type	Height (Feet)	Length (Feet)
Lake Hudson	Arkansas	Grand (Neosho) River	Locust Grove	1964	444,600	10,900 ⁶	FRP	Concrete & Earth	90	4,494
TEXAS										
Lake Kemp	Red	Wichita River	Wichita Falls	1972	502,900	15,590	FIS	Earth	115	8,890
UTAH										
Big Wash	Beaver	Big Wash	Milford	1961	1,200	NPP	F	Earth	34	2,814
VERMONT										
East Barre	Winooski	Jail Branch	East Barre	1938	12,050	NPP	F	Earth	65	1,460
Waterbury	Winooski	Waterbury	Waterbury	1938	64,700	890	FRP	Earth	158	1,800
Wrightsville	Winooski	North Branch	Wrights-ville	1938	20,300	570	FR	Earth	115	1,525
WASHINGTON										
Wynoochee	Chehalis	Wynoochee River	Montesano	1972	70,000	1,150	FSARI	Concrete & Earth	177	1,700

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Aberdeen & Vicinity, SD (Sec 205)	1995		2007	Local Protection
Alamogordo, NM	2001		TBD	Local Protection
Alenaio Stream, Hawaii, HI	1995	1997	1997	Local Protection
Alii Drive, Hawaii, HI (Sec 14)	1999	2000	2000	Shoreline Protection
Aliso Coastal Treatment Plant, CA (Sec. 14)	1999	2008	2008	Local Protection
Allegheny River, First Street, Ford City, PA	2001		2003	Streambank Protection
Alton to Gale Levee System, Mississippi River, IL and MO	1983		Indefinite	Local Protection
American River, Common Features, CA	2000		Undetermined	Local Protection
American River (Folsom Dam Raise), CA	2004		Undetermined	Local Protection
American River Bridge, CA	2004		2009	Local Protection
American River, Folsom Modification, CA	2000		Undetermined	Local Protection
American River, Natomas, CA	2000	1999	Undetermined	Local Protection
Aquashicola Creek (Borough of Palmerton)	1998	1999	1999	Local Protection
Antelope Creek	2001		2011	Local Protection
Arecibo River, PR	2000		2011	Local Protection
Arizona Flood Warning, AZ (Sec 205)	1998		2003	Local Protection
Atchafalaya Basin, LA	1928	(2)	TBD	Floodway and Levees
Atchafalaya Basin Floodway System, LA	1985		TBD	Water Management Units, Recreation Elements & Real Estate Acquisition
Battle Mountain, NV (Sec 205)	1998		Unscheduled	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Beargrass Creek, KY	2002		2008	Local Protection
Beaver Creek at Slough Hollow Road, MO (Sec 14)	1998		2000	Streambank Protection
Bethel Bank Stabilization, AK	1992	1997	1997	Emergency Bank Stabilization
Big Sioux River & Skunk Creek, Sioux Falls, SD	2000		2011	Local Protection
Big Sunflower River, MS	2004		2011	
Big Wood River, Deer Creek, Bridge, ID (Sec 14)	1998	2001	2001	Local Protection
Blue Lick, KY (Sec 14)	2006		Indefinite	Streambank Protection
Blue River Basin, Kansas City, MO	2002		2012	Local Protection
Blue River Channel, Kansas City, MO	1984		2013	Local Protection
Bois Brule, MO	2002		Undetermined	Deficiency Correction
Brays Bayou (Houston), TX	1998		2019	Local Protection
Breckenridge, MN	2002		2012	Local Protection
Brush Creek, Jeanette, PA (Sec 14)	1994		2001	Streambank Protection
Buffalo Creek, Freeport, PA (Sec 14)	1994		2001	Streambank Protection
Buford Trenton Irrigation District, ND	1998		2009	Local Protection
Cache Creek Settling Basin, CA	1990	1991	2018	Local Protection
CALFED Levee Stability, CA	2005		Undermined	Local Protection
Cape Girardeau Floodwall, MO	2004		Undetermined	Deficiency Correction
Cazenovia Creek, NY	2004	2007	2007	Ice Control
Cedar Falls, IA (Sec 205)	1998	2000	2000	Local Protection
Cedar Point Seawall Extension, Bay St. Louis, MS	1998	2000	2003	Shoreline Protection
Center Hill Lake and Dam, TN	2006		20014	Dam Seepage
Center Treatment Plant, Elkhorn Run, PA	2001		2002	Streambank Protection
Central City, Fort Worth, Upper Trinity River Basin, TX	2008		Undetermined	Local Protection
Chippewa River at Montevideo, MN (Sec 205)	2008		2012	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Choctawhatchee/Pea Rivers, Alabama and Florida	1995	1997	1996	Flood Warning
Choctawhatchee/Pea Rivers, Elba Levee, AL	1999		2006	Local Protection Levees
Choctawhatchee/Pea Rivers, Geneva Levee, AL	1999		2006	Local Protection Levees
City of Folsom Willow & Humbug Creeks, CA (Sec 205)	1999		Unscheduled	Local Protection
City of Whittier, CA (Sec 205)	2002	2008	2008	Local Protection
Clear Creek, TX	1988		2021	Local Protection
Clifton, AZ	1991	2002	2002	Local Protection
Clinton Wastewater Treatment Plant, Clinton, NC (Sec 205)	1999	2000	2005	Local Protection
Colorado River at Grand Junction, CO (Sec 205)	1994	1997	1997	Local Protection
Comite River Diversion, LA	1999		2016	Local Protection
Corte Madera Creek, CA	1966		2015	Local Protection
Coyote and Berryessa Creeks, CA	1994		Unscheduled	Local Protection
Cumberland MD, and Ridgeley, WV	2003		Indefinite	Local Protection (C&O Canal)
Dade County, FL	1975		2038	Shore Protection
Dallas Floodway Extension, TX	2001		2016	Local Protection
Dane Avenue, Waveland, MS (Sec 14)	2001		2002	Shoreline Protection
Delaware River Vicinity of Port Jervis, NY	1995	1996	1996	Local Protection (Ice Diversion)
Delta Headwaters Project, MS	1985		Indefinite	Local Protection
Des Moines Recreational River and Greenbelt, IA	1989		Indefinite	Recreation
Des Plaines, IL	1999	2012	2012	Flood Control
Dry Creek (Warm Springs) Lake & Channel, CA	1967	1983	1996	Reservoir
Dry Fork of Little Fork, Willard, KY (Sec 205)	2000	1999	2001	Local Protection
East Baton Rouge Parish, LA	2003		Undetermined	Local Protection
East Boyer River, Denison, IA (Sec 205)	2006	2008	2008	Local Protection
East St. Louis and Vicinity, IL - Rehabilitation	1988		Undetermined	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
El Paso, TX	1971	1973	TBD	Local Protection
Elk Creek Lake, OR	1971		2010	Reservoir
Emmonak Shoreline Erosion, AK (Sec 14)	1998	1999	1999	Shoreline Protection
Fairfield Vicinity Streams, CA	1985	1993	1993	Local Protection
Fallon, NV (Sec 205)	1998		Unscheduled	Local Protection
Fargo-Ridgewood Addition, ND (Sec 205)	2008		2010	Local Protection
Festus and Crystal City, MO (Sec 205)	2002		2010	Urban Flood Protection
Fort Wayne and Vicinity, IN	1994	2003	2004	Local Protection
Fourche Bayou, Vicinity of Little Rock, AR	1987	1996	2007	Local Protection
Galena Bank Stabilization, AK	2004		2010	Emergency Bank Stabilization
Graham, TX (Brazos River Basin)	2005		2015	Local Protection
Grand Forks, ND-East Grand Forks, MN	1999		2008	Local Protection
Grand Prairie Region and Bayou Meto Basin, AR	1999		Unscheduled	Water Supply
Great Bend, KS	1988		1994	Local Protection
Guadalupe River, CA	1992		Unscheduled	Local Protection
Guntersville Lake, Guntersville, AL	1988		1989	Streambank Protection
Gulf of Mexico, Highway 193, Mobile Co., AL	2000	2000	2002	Shoreline Protection
Gulfside Seawall, Waveland, MS	2000	2001	2002	Shoreline Protection
Halstead, KS	1991		1995	Local Protection
Hamilton County Streambank Stabilization, TN	1999		2005	Streambank Protection
Hargus Creek, Circleville, OH (Sec 205)	1996	1997	1997	Local Protection
Harmon Canal, Savannah, GA (Sec 205)	2001	2002	2002	Local Protection
Herbert Hoover Dike, FL	2005		2025	Separate Control
Highway 52, Bellevue, IA (Sec 14)	2001	2002	2002	Streambank Protection
Holes Creek, OH	1998	2004	Indefinite	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Holmes Bay, Whiting, ME (Sec 14)	2009	2009	2009	Streambank Protection
Howard Hanson Dam-Dam Safety, WA	2009		Undetermined	Local Protection
Hunting Bayou, TX	2003		2017	Local Protection
Jackson Hole, WY	2003		2020	Local Protection
James R. Olin Flood Control Project, VA	1994		1998	Local Protection
Johnson Creek, Arlington, TX	2001		2016	Local Protection
Kahawainui Stream, Oahu, HI (Sec 205)	1989	1990	1990	Local Protection
Kahoma Stream, Maui, HI	1986	1990	1990	Local Protection
Kansas River, Eudora Bend , KS (Sec 14)	2002		2004	Streambank Protection
Kawainui Marsh, Oahu HI (Sec 205)	1995	1997	1997	Local Protection
Kaweah River, CA	1999		Unscheduled	Local Protection
Klamath River, Klamath Glen Levee, CA	1996		1997	Local Protection
Lackawanna River, Olyphant, PA	2002		2005	Local Protection
Lackawanna River at Scranton, PA	2001		2009	Local Protection
Lac qui Parle River, Dawson, MN (Sec 205)	2008		2010	Local Protection
Lake Ontario, Albion Water Treatment Plant, NY	1998		2009	Streambank Protection
Lake Pontchartrain, LA	1967		Undetermined	Local Protection
Lake Wichita, Holliday Creek, TX	1987		1995	Local Protection
Larose to Golden Meadow, LA	1972		Undetermined	Local Protection
Las Cruces, NM	2000	2001	2002	Local Protection
Launiupoko, Maui, Hawaii	2002		Undetermined	Shoreline Protection
Leeper Park Island Wall, South Bend, IN (Sec 14)	1999	2004	2004	Streambank Protection
Levisa & Tug Forks of the Big Sandy River & Cumberland River, KY, WV & VA	1981		Indefinite	Local Protection
Little Calumet River, Cady Marsh Ditch, IN	2004	2008	2008	Flood Control

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Little Calumet River, IN	1990	2011	2011	Local Protection
Little Dell Lake, UT	1985	1993	1996	Reservoirs
Little Puerco River, Gallup, NM (Sec 205)	2003	2005	2010	Flood Control
Little Tijuana River, San Diego County, CA (Sec 205)	2001		Indefinite	Flood Control
Llagas Creek, CA	2004		Undetermined	Flood Control
Long Branch Lake, MO	1973	1980	Indefinite	Reservoir
Los Angeles County Drainage Area (LACDA), CA	1995	2002	2011	Local Protection
Loves Park, IL	1991	2004	2004	Local Protection
Lower Sacramento Area Levee Reconstruction, CA	1996		Unscheduled	Local Protection
Lower San Joaquin River, CA (Snagging and Clearing)	1985		Indefinite	Snagging and Clearing
Loyalsock Creek, Warrensville Rd., PA (Sec 14)	1999		2004	Emergency Streambank Protection
Lycoming County Flood Warning System, PA (Sec 205)	1999		2004	Local Protection
Magpie Creek & Don Julio, CA (Sec 205)	1997		Unscheduled	Local Protection
Magpie Creek, McClellan AFB, CA (Sec 205)	1997		Unscheduled	Local Protection
Marysville/Yuba City Levee Reconstruction, CA	1993	2005	Unscheduled	Local Protection
Masefau Bay, Tutuila Island, American Samoa (Sec 14)	1989	1992	1992	Shoreline Protection
Mazon River Twp Road, IL	1994	1995	1996	Streambank Protection
McCook and Thronton Reservoirs, IL	1999	2014	2023	Flood Control
Meramec River Basin (Valley Park Levee), MO	1991		2011	Local Protection
Merced County Streams, CA	1985	1994	Unscheduled	Reservoirs
Metropolitan Louisville, Pond Creek, KY	2000		2009	Local Protection
Metropolitan Region of Cincinnati Duck Creek, OH	1999		2011	Local Protection
Middle Fork Grand US 169, MO (Sec 14)	2003		2017	Streambank Protection
Middle Rio Grande Flood Protection, Bernalillo to Belen, NM	1997	1997	2015	Local Protection
Mid-Valley Area Levee Reconstruction, CA	1993		2012	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Mill Creek, OH	1970		Indefinite	Local Protection
Minersville, OH (Sec14)	2003		2004	Streambank Protection
Mingo Creek, OK	1988		1998	Local Protection
Minnehaha Creek Walls, Minneapolis, MN (Sec 14)	2009		2009	Streambank Protection
Mississippi River Channel Improvements (IA, IL, KY, LA, MI, MO & TN)	1928		Undetermined	Channel Improvements
Mississippi River Levees	1928		Undetermined	Main Line Levees
Missouri National Rec River, NE & SD	1985		2013	Environmental Restoration
Missouri River Levee System, IA, NE, KS and MO	1948		Unscheduled	Local Protection
Molly Ann's Brook, NJ	1995	2007	2007	Local Protection
Mon River, Sewage Treatment Plant, Point Marion, PA	1997		2001	Streambank Protection
Mon River, Water St. Point Marion, PA	1998		2001	Streambank Protection
Monroe County, OH	2002	2002	2002	Streambank Protection
Moon Treatment Plant, Elkhorn Run, PA	2001		2002	Streambank Protection
Moorefield, WV	1995	1995	Indefinite	Flood Warning System & Flood Control/Local Protection
Mt. Morris Lake, NY	1944	1952	Indefinite	Local Protection, Debris Removal, Hydraulic Replacement & Training Wall Stabilization ⁴
Mt. St. Helens Sediment Control, WA	1986	1990	Undetermined	Local Protection
Muddy Creek Cascade, Vaughn, MT (Sec 14)	2006	1952	2006	Local Protection ⁴
Muddy Creek, Grundy Co, MO	1997	1999	2000	Streambank Protection
Mudline to Pineville, MS	1984	1985	1985	Streambank Protection
Mud Mountain Dam, WA (Dam Safety Assurance)	1986	1995	Indefinite	Modernization of Dam
Murrieta Creek, CA	2003		Indefinite	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Muskingum River Lakes, OH (Dam Safety Assurance)	1982		Indefinite	Modernization of Dams
Napa River, CA	1999		Undetermined	Local Protection
New Orleans to Venice, LA	1969		Undetermined	Local Protection
Nickleplate Road, French Creek, Fairfield, PA	2000		2002	Streambank Protection
Nimrod Fisheries Restoration, Nimrod Lake, AR	2000	2000	2000	Environmental Restoration
Nimrod Waterfowl Levee, Nimrod Lake, AR	1998	1999	1998	Environmental Restoration
Nogales Wash, AZ	1994	2010	Indefinite	Flood Warning System & Local Protection
Nonconnanh Creek, TN & MS	1990		Indefinite ³	Local Protection
Norco Bluffs, Santa Ana River, CA	1998		Indefinite	Local Protection
North Branch Chicago River, IL	1970	1990	Indefinite	Snagging and Clearing
North Ellenville, NY	1995		1997	Local Protection
Oates Creek, GA	1990	1993	1992	Local Protection
Ocean City-Isle of Wight Bay, MD (Sec 14)	2001		2001	Emergency Streambank Protection
O'Hare Reservoir, IL	1990	2001	2001	Reservoir
Ohio River Front Cincinnati, OH	2001		Indefinite	Recreation
Ohio River Flood Protection, IN	1999		Indefinite	Local Protection
Ohio River Greenway, IN	2004		Indefinite	Local Protection
Ottawa River, Shoreline Drive, OH (Sec 14)	2002	2008	2008	Streambank Protection
Ouachita River Levees, LA	1990		Indefinite	Local Protection
Paden City, WV (Sec 14)	2004		2005	Streambank Protection
Pajaro River, CA	1987	1989	1989	Local Protection
Passaic River Preservation of Natural Storage Areas, NJ	1997		2009	Local Protection
Perry County L & D Nos. 1, 2, 3, MO	1977	1985	1985	Local Protection
Perry Creek, IA	1991		2012	Local Protection
Petaluma River, CA	1997		2012	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Piedmont Lake, Lick Run Reclamation, OH	2001	2001	2004	Environmental Protection
Plum Borough, Allegheny Co, PA	2001		2003	Streambank Protection
Portugues and Bucana Rivers, PR	1975		2012	Local Protection
Pt. Leflore, MS	1985	1986	1986	Streambank Protection
Racitan River Basin, Greenbrook Sub-Basin, NJ	1998		2035	Local Protection
Ramapo and Mahwah Rivers, Mahwah, NJ and Suffern, NY	1990		2015	Local Protection
Ramapo at Oakland, NJ	1995		2010	Local Protection
Raritan River Basin, Greenbrook Sub-basin, NJ	1998		2011	Local Protection
Redbank & Fancher Creeks, CA	1987	1993	1994	Reservoir
Red River Basin Chloride Control (Area X) OK and TX	1991		Indefinite	Chloride Control
Red River Below Denison Dam	1948		Indefinite	Levee & Streambank Protection
Reno Flood Warning System, NV (Sec 205)	1998	2004	2006	Local Protection
Rillito River, AZ	1994	1998	Undetermined	Local Protection
Rio De Flag, Flagstaff, AZ	2003	2009	2012	Local Protection
Rio Grande De Manati, PR	2001		2008	Local Protection
Rio Puerto Neuvo, PR	1994		2019	Local Protection
Rockport, IN (Sec 14)	2006		2009	Streambank Protection
Rolling Fork River, Lebanon Junction, KY (205)	2003		2007	Local Protection
Roanoke River, Upper Basin, VA	1990		2013	Local Protection
Roseau, MN	2009		2013	Local Protection
Rouge River, Southfield, MI (Sec 14)	2000	2002	2002	Streambank Protection
Running Slough Ditch	1990	1990	1990	Streambank Protection
Sacramento River Bank Protection, CA	1963		Indefinite	Local Protection
Sacramento River, Chico Landing to Red Bluff, CA	1963		Indefinite	Local Protection
Sacramento River Flood Control, CA	1918		Indefinite	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Sacramento River Flood Control – GCID, CA	1998	2000	Undetermined	Bank Stabilization
Sacramento Urban Area Levee Reconstruction, CA	1990	1997	2007	Local Protection
Salinas River, San Ardo, CA	1993		1993	Streambank Protection
San Antonio Channel Improvement, TX	1957		2002	Local Protection
Sand Cove Park, CA (Sec 14)	2005		2009	Streambank Protection
Sand Creek, NE	2007		2010	Environmental Protection
San Isidro Rd, Santa Fe, NM (Sec 14)	2000		2002	Streambank Protection
San Luis Rey River, CA	1988		Indefinite	Local Protection
San Lorenzo River, CA	1999		Undetermined	Streambank Protection
Santa Maria River Levees, CA	2008		2012	Flood Control
San Pedro Creek, Pacifica, CA (Sec 205)	1998		2012	Local Protection
Santa Ana River Mainstem, CA	1990		2013	Local Protection
Santa Paula Creek, CA	1973		2011	Local Protection
Sardis, Monroe Co, OH (Sec 14)	2000	2000	2000	Streambank Protection
Sartell, MN (Sec 14)	2008	2008	2009	Streambank Protection
Saw Mill Run, PA	1996		2003	Flood Control
Savan Gut, VI (Sec 205)	1987	1989	2001	Local Protection
Saylorville Lake, IA	1965	1977	1996	Reservoir
Schuylkill River Park, PA	1999	2007	2007	Local Protection/Recreation
Sheyenne River, ND	1990		2007	Local Protection
Sims Bayou, TX	1990		2014	Local Protection
Skyrocket Creek, Quray, Co (Sec 14)	1998		1999	Streambank Protection
South Fork, New River, Boone, NC	2001	2002	2002	Aquatic Ecosystem Restoration
South Harrison Co, Water Corp, IN (Sec 14)	2006		Indefinite	Streambank Protection
Southeast Louisiana	1997		Undetermined	Urban Flood Control

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
South Sacramento County Streams, CA	2002		Unscheduled	Local Protection
Southwest Valley Flood Damage Reduction, NM	2008		TBD	Local Protection
Springbrook Creek, PA	1989	1990	1990	Streambank Protection
State Route A, Scotland Co., MO	2001	2002	2002	Streambank Protection
Ste. Genevieve, MO	1995	2002	Undetermined	Local Protection
St. Francis Basin	1938		Undetermined	Tributary Levees & Channels
St. Johns Bayou- New Madrid Floodway, MO	1997		Indefinite	Rural Urban Flood Control
St. Louis Flood Protection, MO	2008		Undetermined	Deficiency Correction
Stockton Metropolitan Area, 211 Reimbursement, CA	1986	1999	Unscheduled	Local Protection
Swan Creek, Taney County, MO (Sec 14)	1984	1986	1986	Streambank Protection
Ted Rhodes Golf Course, Nashville, TN	1995	1995	1995	Local Protection
Tehama, CA (Sec 205)	1999		2007	Local Protection
Ten Mile Creek, Washington Co, Public Marina, PA	2001		2002	Streambank Protection
Texas Flat Road, Kiln, MS	2000	2000	2001	Shoreline Protection
Thompson River, Route 6, Trenton (Sec 14)	2005		2006	Streambank Protection
Thornton Reservoir, IL	1999	2012	2012	Flood Control
Tombigbee River Tributaries, AL and MS	1965	1990	2003	Local Protection
Tonawanda Creek-Minnick Road, NY	1999	2009	2009	Streambank Protection
Tribal Partnership Program	2004	N/A	2012	Local Protection
Tropicana and Flamingo Washes, NV	1995	2007	2011	Local Protection
Tucson Drainage Area, AZ	2003	2008	2011	Local Protection
Tule River, CA	2002		Unscheduled	Local Protection
Tulsa and West Tulsa, OK	1943	1945	1993	Rehabilitation of Levee System
Turkey Creek, KS & MO	2003		2016	Local Protection
Turkey Creek, Sumter County, SC	1999	2001	2001	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Turtle Creek Lake, Ks	2003	2010	2011	Dam Safety Assurance
Turtle Creek, PA	1995		1997	Local Protection
Turtle Creek Lake, KS	2003		2015	Dam Safety Assurance
Tygart Lake, WV	1996		2001	Dam Safety Assurance
Upper Gordon Creek, Hattiesburg, MS	1993	1995	2002	Channel Improvement
Upper Guadalupe River, CA	2007		2018	Local Protection
Upper Jordan River, UT	1994		Indefinite	Local Protection
Upper Sacramento Area Levee Reconstruction, CA	1997	2005	2007	Local Protection
Upper Scioto River, Marion County, OH (Sec 205)	1986		1987	Local Protection
Upper Yazoo Projects, MS	1976		2015	Local Protection
Vicinity Willoughby Spit, Norfolk, VA	1988	Incremental	2014	Flood Control
Van Bibber Creek, CO (Sec 205)	1995		2009	Local Protection
Village Creek, AL	1989	1996	2005	Local Protection
Virginia Beach Hurricane Protection	1986	Incremental	2009	Flood Control
Wahpeton, ND	2002		2012	Local Protection
Walnut Canyon, CA (Sec 14)	1994	1995	1998	Local Protection
Walnut Creek, CA	1964	1997	1997	Local Protection
Westbank and Vicinity, New Orleans, LA	1991		2018	Local Protection
West Columbus, OH	1993		2006	Local Protection
Western Sarpy and Clear Creek, NE	2003		2011	Local Protection
West Fork, Grand River, Rte H (Sec 14)	1997		2000	Streambank Protection
West Fork, Grand River, Rte W (Sec 14)	1998		2000	Streambank Protection
West Ray, Marshall, PA (Sec 14)	1990	1990	1990	Streambank Protection
West Sacramento, CA	1996	2005	2013	Local Protection
West Tennessee Tributaries	1960		Indefinite ¹	Drainage and Flood Control

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Wheeler Creek, Gainesville, TX (Sec 205)	1983	1994	1984	Local Protection
White River, Indianapolis Central, Waterfront, IN	1995		2007	Local Protection
White River, Indianapolis North, IN	2001		2010	Local Protection
White Slough, CA (Sec 205)	2003		2011	Local Protection
Wildcat and San Pablo Creeks, CA	1980		1996	Local Protection
Williamsport, PA (Hagerman's Run)	2001		2004	Local Protection
Wills Creek, Linton Mine Road, OH	2002	2002	2004	Environmental Protection
Wolf Creek, Lake Cumberland, KY	2005		2013	Dam Seepage
Wolf River, Memphis, TN	2004	2008	2010	Channel Stabilization
Wood River, IL	2008		Undetermined	Deficiency Correction
Wood River, NE	1996	2004	2009	Local Protection
WV & PA Flood Control, (Sec 581)	1999		Indefinite	Flood Damage Reduction
Wyoming Valley Levee Raising	1996		2009	Local Protection
Yonkers (Nepera Park), NY	1994		1995	Local Protection
Yuba River, CA	2003		Unscheduled	Local Protection

APPENDIX B
Flood Control Projects Under Construction
During Fiscal Year 2009

- ¹ Construction of further channel improvement was halted in 1987 due to the denial of water quality certification.
- ² Project was in useful operation before Corps started working on it. Work consists primarily of improvements to existing channels, levees, pumping stations and other flood control structures.
- ³ Environmental and Recreational separable elements unprogrammed.
- ⁴ O & M Funded.

APPENDIX B
Beach Erosion Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion
Assateague Island, MD	2001	2003	2028
Atlantic Coast of Maryland	1990	1994	2044
Barnegat Inlet to Little Egg Harbor, NJ	2004		2064
Brevard County, FL	2000		2044
Brigantine Inlet to Great Egg Harbor Inlet (Absecon Island, NJ)	2000	2006	2055
Brigantine Inlet to Great Egg Harbor Inlet (Brigantine Island NJ)	2003	2006	2055
Broward County, FL	1965		2031
Brunswick County Beaches, Oak Island, Caswell and Holden Beaches, Portion, N.C.	2000	Undetermined	2058 ²
Brunswick County Beaches, Ocean Isle Beach Portion, NC	2000	2001	2051
Cape May Inlet to Lower Twp, NJ	1990	1991	2040
Carlsbab Seawall, CA (Sec 103)	1996	1997	1997
Carolina Beach and Vicinity, NC – Area South	1995	1998	2047
Carolina Beach and Vicinity, NC – Carolina Beach Portion	1965	1982	2014
Chicago Shoreline, IL	1997	2008	2012
Dade County, FL	1975		2038
Dare County Beaches, NC (Bodie Island)	2003		Undetermined
Delaware Bay Coastline, Port Mahon, DE & NJ	2003		Undetermined
Delaware Bay Coastline, Reeds Beach to Pierces Point, DE & NJ	2003		Undetermined
Delaware Bay Coastline, Roosevelt Inlet/Lewes Beach, DE	2002	2005	2055
Delaware Coast, Bethany Beach to South Bethany Beach, DE	2004	2008	2057
Delaware Coast from Cape Henlopen to Fenwick Island, DE (Dewey/Rehoboth Beach, DE)	2000	2005	2055
Delaware Coast from Cape Henlopen to Fenwick Island, DE	2003	2006	2055

APPENDIX B
Beach Erosion Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion
(Fenwick, Island, DE)			
Delaware Coast Protection, DE	1989	1990	2028
Duval County, FL	1976		2028
East Rockaway to Rockaway Inlet and Jamaica Bay, NY	1974		2020
Emeryville, Alameda, CA (Sec 103)	1993	1993	1993
Fire Island to Jones Inlet, NY	1970		2039
Fire Island to Montauk Point, NY	1963		2027
Folly Beach, SC	1993	Incremental	2043
Folly Beach, SC	2005	2005	2006
Fort Pierce Beach, FL	1998		2020
Graveline Bayou East, Jackson Co., MS	2001		2002
Great Egg Harbor Inlet & Peck Beach, NJ	1991	1992	Undetermined
Indiana Shoreline, IN	1990	1995	Indefinite
Lower Cape May Meadows, NJ (Ecosystem-move)	2002	2007	2056
Manatee County, FL	1992		2042
Martin County, FL	1994		2046
Morris Island Lighthouse, SC (Scetion 103)	2007		2008
Myrtle Beach, SC	1997	Incremental	2047
Palm Beach County, FL	1962		2048
Panama City Beaches, FL	1997		2000
Pinellas County, FL	1969		2043
Raritan Bay and Sandy Hook Bay, NJ	1973		2061
Rockaway Inlet to Norton Point (Coney Island), NY	1992	1995	2045
Sandy Hook to Barnegat Inlet, Sec I	1985	Incremental	2044
Sandy Hook to Barnegat Inlet, Sec II	1985	Incremental	2047
Sarasota County, FL	1994		2046

APPENDIX B
Beach Erosion Control Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion
Shishmaref Phase II, AK	2009	2010	2010
Shoalwater Bay, Shoreline Erosion, WA (Sec 545)	2002		Indefinite
Silver Strand Shoreline, Imperial Beach, CA	1998		Indefinite
St. Johns County, FL	1986		2046
Surfside-Sunset and Newport Beach (Orange County), CA	2007	N/A	2009
Townsend Inlet to Cape May Inlet, NJ	2001	2003	2055
Tybee Island, GA	1975	1976	2024
Unalakleet, AK	2009		2011
Virginia Beach, VA (Reimbursement)	1962	1962	2012 ¹
Virginia Beach, VA	1996		2051
West Onslow Beach and New River Inlet, NC	2001	Undetermined	Undetermined
Wrightsville Beach, NC	1965	1991	2041

APPENDIX B
Beach Erosion Control Projects Under Construction
During Fiscal Year 2009

¹ IAW Section 355 of WRDA 1996, the project will be extended until the earlier part of year 2012 or completion of the beach erosion control and hurricane Protection project at Virginia Beach, Virginia.

² GRR only underway. New construction start FY 2000.

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Albuquerque Biological Park Wetland Restoration , NM (Sec 1135)	2004		2006	Environmental Restoration
Allin's Cove, Barrington, RI (Sec 1135)	2005	2006	2009	Environmental Restoration
Amazon Creek Wetlands Restoration, OR (Sec 1135)	1999		2009	Environmental Restoration
Anacostia River & Tributaries, MD & DC	1999		Indefinite	Environmental Restoration
Aquatic Habitat Restoration @ Pueblo of Santa Ana	2008		2009	Aquatic Ecosystem Restoration
Arkansas River Fisheries Habitat Restoration, Pueblo, CO (Sec 206)	2002		2010	Aquatic Ecosystem Restoration
Ballona Wetland Restoration, CA (Sec 1135)	2002		2006	Environmental Restoration
Black Fox, Murfree, and Oakland Springs, TN	2001		2011	Ecosystem Restoration
Bottomless Lakes State Park, NM	2008		2010	Ecosystem Restoration
Broad Top Region, PA	2004		2005	Environmental Restoration
Bull Creek Channel Ecosystem Restoration, CA (Sec 1135)	2000	2008	2008	Ecosystem Restoration
Bull Shoals Aquatic Macrophyte Restoration, AR (Sec 206)	2003		2005	Aquatic Ecosystem Restoration
Bulls Shoals Nursery Pond, AR (Sec 1135)	2003		2006	Environmental Restoration
Central and Southern, FL	1950		Indefinite	Environmental Restoration
Central New Mexico - Albuquerque Double Eagle II Water & Wastewater Infrastructure Project	2004	2007	2007	Environmental Restoration
Central New Mexico - Bernalillo County Black Mesa Drainage Project	2008		2010	Environmental Restoration
Central New Mexico - Bernalillo County Coors Sanitary Sewer Vacuum Pump Station	2005	2007	2007	Environmental Restoration
Central New Mexico - Bernalillo County Pajarito Sanitary Sewer Vacuum Pump Station Project				
Central New Mexico - Bosque Farms Wastewater Treatment Plant	2003	2005	2005	Environmental Restoration
Central New Mexico - City of Belen Perizete/Jude Court Utility Infrastructure Upgrade	2001	2002	2002	Environmental Restoration

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Central New Mexico - City of Belen Utility Infrastructure Upgrade	2005	2007	2007	Environmental Restoration
Central New Mexico - Rio Rancho Industrial Park Loop Sanitary Sewer Improvements	2005	2007	2007	Environmental Restoration
Central New Mexico-Tijeras Phase III-B Water Distribution	2005	2007	2007	Environmental Restoration
Central West Virginia Environmental Restoration Program	2001		Indefinite	Environmental Restoration
Chesapeake Bay Environmental Program, MD (Sec 510)	1998		Indefinite	Environmental Restoration
Chesapeake Bay Oyster Recovery, MD and VA	1997		Indefinite	Environmental Restoration
Chicago Botanic Garden, IL	2002	2005	2005	Aquatic Ecosystem Restoration
Chief Joseph Dam Dissolved Gas Abatement, WA	2003		2009	Environmental Mitigation, Restoration and Protection
City of Santa Clarita (Perchlorate)	2002		2010	Environmental Restoration
Columbia River Fish Mitigation, OR & WA	1988		Undetermined	Environmental Restoration
Cuneo Press, Chicago River	2002		2003	Aquatic Ecosystem Restoration
Dead Lake, AL	1998		1998	Environmental Restoration
Deep Run/Tiber Hudson, MD (Sec 206)	1999		2005	Aquatic Ecosystem Restoration
Delaware Bay Coastline, Port Mahon, DE & NJ	2003		Undetermined	Environmental Restoration
Delaware Bay Coastline, Reeds Beach to Pierce Point, DE & NJ	2003		Undetermined	Environmental Restoration
Delaware Bay Coastline, Villas & Vicinity, NJ	2004		Undetermined	Environmental Restoration Aquatic Ecosystem Restoration
Dents Run, PA	1999	2003	2008	Aquatic Ecosystem Restoration
Duwamish Green River	2008		Undetermined	Aquatic Ecosystem Restoration
Ecosystem Revitalization @ Route 66, Albuquerque, NM	2008		TBD	Aquatic Ecosystem Restoration
Eugene Delta Ponds, OR (Sec 206)	2000		2011	Environmental Restoration
Everglades & South Florida Ecosystem	1998		2011	Environmental Restoration

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Florida Keys Water Quality Improvements, FL	2002		Undetermined	Environmental Restoration
Fort Peck Fish Hatchery, MT	2001		2006	Environmental Restoration
Gold Creek Salmon Restoration, AK (Sec 1135)	2003		2003	Aquatic Ecosystem Restoration
Greenville Marsh, IA Wetlands (Sec 1135)	2005		2006	Environmental Restoration
Gulf Intracoastal Waterway, Mad Island, TX (Sec 206)	2003		Indefinite	Aquatic Ecosystem Restoration
Gunnerson Pond Restoration, CA (Sec 1135)	2000	2005	2005	Environmental Restoration
Gwynns Falls, MD	2006	2006	2008	Environmental Restoration
Hamilton Airfield Wetland Restoration, CA	2001		Indefinite	Environmental Restoration
Harbor/South Bay Water Recycling, CA	2002		2011	Environmental Restoration
Hart-Miller Island, MD (Sec 1135)	1997	2006	2004	Environmental Restoration
Heritage Island, DC`	2005	2006	2006	Environmental Restoration
Howard A. Hanson Dam, WA (Sec 101(b)(15))	2002		2016	Environmental Mitigation, Restoration and Protection
Isle of Wight Bay, MD (Sec 206)	1999		2004	Aquatic Ecosystem Restoration
Kansas City, Riverfront, MO (Sec 1135)	2001		2010	Environmental Restoration
Kissimmee River, FL	1989		2019	Environmental Restoration
Ladd Marsh, OR	2002		2007	Environmental Restoration
Lake Nemaha Wetlands, KS (Sec 206)	2002		2003	Aquatic Ecosystem Restoration
Little Falls Fish Passage #2 (Sec 1135)	1995	2000	2004	Aquatic Ecosystem Restoration
Lower Cape May Meadows-Cape May Point, NJ	2004	2007	2012	Environmental Restoration
Lower Columbia River Ecosystem Restoration, OR	2003		2011	Environmental Restoration
Lower Columbia River Slough, OR (Sec 1135)	2002		2011	Environmental Restoration
Lower Obion River and Vicinity, TN (Sec 1135)	2007		Undetermined	Aquatic Ecosystem Restoration
Lower Savannah River Basin, GA & SC	2002	2002	2002	Environmental Restoration
Lower Snake Fish & Wildlife Comp	1979		Undetermined	Environmental Restoration
Mississippi River, Mud Lake, IA	2004	2006	2006	Environmental Restoration

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Mississippi River, Pool II Islands, IA	2003	2004	2004	Environmental Restoration
Millcreek-Milan Bottoms (Sec 1135)	1999		2003	Environmental Restoration
Mill River, Stamford, CT (Cec 206)	2009		2011	Environmental Restoration
Mille Lacs Regional Wastewater, MN	2002		Indefinite	Environmental Restoration
Missouri National Rec River, NE & SD	1985		2010	Environmental Restoration
Missouri River Bank Stabilization & Navigation Project, NE	1992	1995	1995	Environmental Restoration
Missouri River Fish & Wildlife Recovery	1992		2042	Environmental Mitigation, Restoration & Protection
Modified Water deliveries to Everglades National Park	2005		2012	Environmental Restoration
Murphy's Slough, CA (Sec 1135)	1998		2007	Environmental Restoration
Nashawannuck Pond, Easthampton, MA (Sec 206)	2009		2010	Environmental Restoration
Nathan's Lake/Mud Lake Deer Creek, NE (Sec 206)	2000	2003	2003	Aquatic Ecosystem Restoration
New Mexico Environmental Infrastructure (EI) - Blue Hole Lake Improvements Phase I	2006	2007	2007	Environmental Restoration
New Mexico EI - Blue Hole Lake Improvements Phase 2	2011		2012	Environmental Restoration
New Mexico EI - Eunice Water System Improvement	2007	2008	2008	Environmental Restoration
New Mexico EI - Eunice Wastewater Treatment System	2010		2011	Environmental Restoration
New Mexico EI - Jal Water System Improvement	2009		2011	Environmental Restoration
New Mexico EI - Las Cruces Industrial Park Wastewater System	2010		2011	Environmental Restoration
New Mexico EI - Pecos Wastewater System Improvement Phase 1	2008	2009	2009	Environmental Restoration
New Mexico EI - Pecos Wastewater System Improvement Phase 2	2009		2011	Environmental Restoration
New Mexico EI - Pueblo of Zuni Constructed Wetlands Wastewater Treatment Lagoons	2008	2009	2008	Environmental Restoration
New Mexico EI - Questa Sanitary Sewer System Improvement	2007	2008	2008	Environmental Restoration
Northeast Pennsylvania, PA (Sec 219)	2003		Indefinite	Environmental Restoration
Northeastern Minnesota, MN	2001		Indefinite	Environmental Infrastructure

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Northern Wisconsin, WI	2003		Indefinite	Environmental Infrastructure
North Fork Feather River, Chester, CA (Sec 1135)	1994	1995	2001	Environmental Restoration
North Dakota Environmental Infrastructure (Sec 594, WRDA 99, as amended)	2007		Undetermined	Environmental Infrastructure
Northside Prep/Von Steuben, Chicago River	2001		2004	Aquatic Ecosystem Restoration
North Valley Regional Water Infrastructure	2010		2011	Environmental Restoration
Northwest Branch, Anacostia	2004		2005	Aquatic Ecosystem Restoration
Numana Dam, CA (Sec 1135)	1998		Unscheduled	Environmental Restoration
Ocean Pines, MD (Sec 206)	1999	2003	2003	Environmental Restoration
Ohio Environmental Restoration Program	2001		Indefinite	Environmental Restoration
Ohio and North Dakota Environmental Infrastructure, ND	2008		Indefinite	Environmental Restoration
Oquawka Refuge (Sec 1135)	1998		2003	Environmental Restoration
Pine Flat Bypass, CA (Sec 1135)	1998		2002	Environmental Restoration
Placer County Sub-Regional Wastewater Treatment, CA	2004		Undetermined	Environmental Restoration
Pocotaligo River and Swamp, SC (Section 1135)	2008		2009	Environmental Restoration
Poplar Island, MD	1998		2034	Environmental Restoration
Puget Sound and Adjacent Waters Program, WA	2003		2013	Environmental Mitigation, Restoration and Protection
Putah Creek, South Fork, CA	1999		2007	Environmental Restoration
Rathbun Lake Habitat Restoration, IA (Sec 1135)	2004		2010	Environmental Restoration
Rend City Wetlands Restoration, IL (Sec 1135)	2004		2011	Environmental Restoration
Rillito River Riparian & Wetland Development (Sec 1135)	2005	2008	2008	Environmental Restoration
Rio Salado Phoenix & Tempe Reaches, AZ	2001	2008	2009	Environmental Restoration
Riparian Wetland Restoration, Pueblo of Santa Ana Reservation, NM (Sec 1135)	2003		2008	Aquatic Ecosystem Restoration
Roanoke Island Festival Park, Dare County, NC (Section 206)	2002	2002	2010	Aquatic Ecosystem Restoration

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Rooster Island Restoration, MD (Sec 1135)	1994	1999	2004	Environmental Restoration
Rural Idaho, ID	2004		Undetermined	Environmental Restoration
Rural Montana, MT	2004		2010	Environmental Infrastructure
Rural Nevada – Northern area	2001		Indefinite	Environmental Infrastructure
Rural Nevada – Boulder City, NV	2002		2004	Environmental Infrastructure
Rural Nevada – Goldfield, NV	2005		2007	Environmental Infrastructure
Rural Nevada – Mesquite, NV	2002		2004	Environmental Infrastructure
Rural Nevada – Moapa, NV	2002		2012	Environmental Infrastructure
Rural Nevada – Searchlight, NV	2008		2012	Environmental Infrastructure
Rural Nevada – Tonopah, NV	2005		2007	Environmental Infrastructure
Rural Nevada – Virgin Valley, NV	2005		2008	Environmental Infrastructure
Rural Utah	2005		Indefinite	Environmental Infrastructure
San Antonio Channel Improvement	2000		2014	Environmental Restoration
San Ramon Valley Recycled Water, CA	2002		Indefinite	Environmental Infrastructure
Sand Creek, NE	2007		2011	Environmental Protection
Sea Turtle Habitat Restoration, Oak Island, NC (Sec 1135)	2000	2001	2008	Environmental Restoration
Smithville Aquatic Plantings, KS (Sec 1135)			2010	Environmental Restoration
South Central Pennsylvania Environmental Improvement Program (Sec 313)	1996		Indefinite	Environmental Restoration
Southeastern Pennsylvania, PA	1998		Indefinite	Environmental Restoration
Southern & Eastern Kentucky Environmental Restoration Program	1998		Indefinite	Environmental Restoration
Southern West Virginia Environmental Restoration Program	1994		Indefinite	Environmental Restoration
South Fork, Putah Creek, CA (Sec 1135)	1998		2001	Environmental Restoration
South Perris, VA (Sec 219)	2003		2012	Environmental Infrastructure
St. Croix Falls, Sewage Treatment Plant, WI	2005		Indefinite	Environmental Infrastructure
St. Louisville, OH	2004		2005	Aquatic Ecosystem Restoration

APPENDIX B
Environmental Restoration Projects Under Construction
During Fiscal Year 2009

Project	Fiscal Year Starte d	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Straightwater Marsh, Wetland Habitat (Sec 206)	2002		2004	Aquatic Ecosystem Restoration
Sulphur Creek Aquatic Restoration, Laguna Niguel, CA (Sec 206)	2004	2008	2008	Aquatic Ecosystem Restoration
Sulphur River, AR (Sec 1135)	2004		2008	Aquatic Ecosystem Restoration
Tahoe Basin Restoration, CA & NV	2005		Undetermined	Ecosystem Restoration
Town Pond (Boyd's Marsh), Portsmouth, RI (Sec 206)	2005	2007	2009	Aquatic Ecosystem Restoration
Tres Rios, AZ	2005	2008	2015	Environmental & Flood Control
Tucson (Ajo) Detention Basin Wetlands, AZ (Sec 1135)	2000		Indefinite	Environmental Restoration
Union Slough, WA (Sec 1135)	2003		2007	Environmental Restoration
Upper Central Platte Valley, Colfax Reach, NE (Sec 1135)	2000		2004	Environmental Restoration
Upper Newport Bay Harbor, CA	2005	2012	2011	Environmental Restoration
Upper York Creek Dam Removal, CA (Sec 206)	2002		2012	Aquatic Ecosystem Restoration
Vic Fazio Yolo Wildlife Area, CA (Sec 1135)	1992	1999	2002	Environmental Restoration
Walla Walla River, OR	1994		2011	Environmental Restoration
Wanchese Marsh Creation and Protection, Dare County, NC (Sec 204)	2003		2013	Environmental Restoration
Weed Street, Chicago River	2001		2002	Aquatic Ecosystem Restoration
Wehrspann Lake Aquatic Habitat Control, NE	1999		2004	Environmental Restoration
Whitney Point Reservoir, NY	2007		2009	Environmental Restoration
Wildcat Creek Restoration, CA (Sec 1135)	1999		2015	Environmental Restoration
Willamette River Temperature Control (Cougar Project), OR	2000		2010	Environmental Restoration
Wilson Bay Restoration, Jacksonville, N.C. (Sec 206)	2004		2013	Aquatic Ecosystem Restoration

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
AIWW BETWEEN NORFOLK, VA & ST. JOHNS RIVER, FL											
GREAT BRIDGE	ALBEMARLE & CHESAPEAKE CANAL	12.2	Chesapeake , VA	72	600	3	16	16	Miter	NA	1932
DEEP CREEK	DISMAL SWAMP CANAL	10.6	Chesapeake , VA	52	300	12	12	12	Miter	NA	1940
SOUTH MILLS	DISMAL SWAMP CANAL	33.2	South Mills , NC	52	300	12	12	12	Miter	NA	1941
ALABAMA-COOSA RIVERS											
CLAIBORNE	ALABAMA	72.5	Claiborne , AL	84	600	30	16	13	Miter	1603.0	1969
MILLERS FERRY	ALABAMA	133.0	Camden , AL	84	600	45	16	13	Miter	1167.0	1969
ROBERT F. HENRY	ALABAMA	236.2	Benton , AL	84	600	45	16	13	Miter	1496.0	1972
ALLEGHENY											
2	ALLEGHENY	6.7	Aspinwall , PA	56	360	11	11	12	Miter	1393.0	1934
3	ALLEGHENY	14.5	Cheswick , PA	56	360	14	12	11	Miter	1436.0	1934
4	ALLEGHENY	24.2	Natrona , PA	56	360	11	9	10	Miter	876.0	1927
5	ALLEGHENY	30.4	Freeport , PA	56	360	12	10	11	Miter	780.0	1927
6	ALLEGHENY	36.3	Clinton , PA	56	360	12	11	11	Miter	1140.0	1928
7	ALLEGHENY	45.7	Kittanning , PA	56	360	13	11	10	Miter	916.0	1930
8	ALLEGHENY	52.6	Templeton , PA	56	360	18	14	10	Miter	984.0	1931
9	ALLEGHENY	62.2	Rimer , PA	56	360	22	11	11	Miter	950.0	1938
APALACHICOLA, CHATTAHOOCHEE, & FLINT RIVERS											
JIM WOODRUFF	APALACHICOLA	106.3	Chattahoochee , FL	82	450	33	14	14	Miter	6359.0	1954

* NA (Not Applicable) No Dam at Lock

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
GEORGE W. ANDREWS	CHATTAHOOCHEE	46.7	Gordon , GA	82	450	25	19	13	Miter	750.0	1962
WALTER F. GEORGE	CHATTAHOOCHEE	75.1	Fort Gaines , GA	82	450	88	18	13	Miter	1325.0	1963
BAYOU TECHE, LA											
KEYSTONE	BAYOU TECHE	72.0	New Iberia , LA	36	162	8	9	8	Miter	175.0	1913
BAYOU TECHE, LA (MR&T)											
BERWICK	ATCHAFALAYA	1.5	Berwick , LA	45	307	14	9	9	Sector	NA	1950
EAST & WEST CALUMET	BAYOU TECHE	4.0	Berwick , LA	45	90	0	0	0	Sector	NA	1950
CHARENTON	GRAND LAKE	35.7	Charenton , LA	45	90	0	0	0	Sector	NA	1949
BLACK ROCK CHANNEL & TONAWANDA HARBOR											
BLACK ROCK	BLACK ROCK CANAL	4.0	Buffalo , NY	70	650	5	22	22	Miter	NA	1914
BLACK WARRIOR & TOMBIGBEE RIVERS, AL											
ARMISTEAD I. SELDEN	BLACK WARRIOR	262.0	Eutaw , AL	110	600	22	13	13	Miter	1832.0	1957
WILLIAM BACON OLIVER	BLACK WARRIOR	337.6	Tuscaloosa , WA	110	600	28	18	18	Miter	800.0	1991
HOLT	BLACK WARRIOR	347.0	Holt , AL	110	600	64	19	13	Miter	1138.0	1966
JOHN HOLLIS BANKHEAD	BLACK WARRIOR	366.0	Adger , AL	110	600	68	13	13	Miter	1170.0	1975
COFFEEVILLE	TOMBIGBEE	116.6	Coffeeville , AL	110	600	34	13	13	Miter	1185.0	1960
DEMOPOLIS	TOMBIGBEE	213.2	Demopolis , AL	110	600	40	13	13	Miter	1485.0	1954
CALCASIEU RIVER AND PASS, LA											
CALCASIEU BARRIER	CALCASIEU RIVER	38.9	West Lake , LA	56	575	0	0	0	Sector	450.0	1968

* NA (Not Applicable) No Dam at Lock

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
CANAVERAL HARBOR											
CANAVERAL	CANAVERAL BARGE CANAL	3.0	Cape Canaveral , FL	90	600	3	13	13	Sector	NA	1965
CAPE FEAR RIVER											
1	CAPE FEAR	39.0	Kings Bluff , NC	40	200	11	9	9	Miter	275.0	1915
2	CAPE FEAR	71.0	Browns Landing , NC	40	200	9	12	12	Miter	229.0	1917
WILLIAM O. HUSKE	CAPE FEAR	95.0	Tolars Landing , NC	40	300	9	9	9	Miter	220.0	1935
CHICAGO HARBOR											
CHICAGO	CHICAGO RIVER	327.2	Chicago , IL	80	600	4	27	23	Sector	NA	1938
COLORADO RIVER											
COLORADO RIVER EAST	GIWW TEXAS	441.1	Matagorda , TX	75	1200	12	15	15	Sector	520.0	1944
COLORADO RIVER WEST	GIWW TEXAS	441.8	Matagorda , TX	75	1200	12	15	15	Sector	520.0	1944
COLUMBIA RIVER											
BONNEVILLE	COLUMBIA	145.3	Cascade Locks , OR	86	675	65	19	24	Miter	2680.0	1993
THE DALLES	COLUMBIA	191.7	The Dalles , WA	86	675	88	15	15	Vertical	8735.0	1957
JOHN DAY	COLUMBIA	216.5	Rufus , WA	86	675	110	15	15	Vertical	5900.0	1968
MCNARY	COLUMBIA	292.0	Plymouth , WA	86	675	103	15	21	Miter	7365.0	1953
CUMBERLAND RIVER, TN & KY											
BARKLEY	CUMBERLAND	30.6	Grand Rivers , KY	110	800	57	24	13	Miter	9959.0	1964
CHEATHAM	CUMBERLAND	148.7	Ashland City , TN	110	800	26	14	12	Miter	801.0	1952

* NA (Not Applicable) No Dam at Lock

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
OLD HICKORY	CUMBERLAND	216.2	Old Hickory , TN	84	400	60	14	13	Miter	3605.0	1954
CORDELL HULL	CUMBERLAND	313.5	Carthage , TN	84	400	59	14	13	Miter	1138.0	1973
FRESHWATER BAYOU, LA											
FRESHWATER BAYOU	FRESHWATER BAYOU	1.2	Intracostal City , LA	84	600	4	16	16	Sector	401.0	1968
GIWW BETWEEN APALACHEE BAY, FL & MEXICAN BORDER											
BAYOU BOEUF	GIWW	93.3	Morgan City , LA	75	1156	11	13	13	Sector	NA	1954
LELAND BOWMAN	GIWW	162.7	Abbeville , LA	110	1200	5	11	11	Sector	NA	1985
CALCASIEU	GIWW	238.5	Lake Charles , LA	75	1205	4	13	13	Sector	NA	1950
ALGIERS	GIWW ALGIERS CANAL	0.0	Algiers , LA	75	797	18	13	13	Sector	NA	1956
INNER HARBOR NAVIGATION CANAL	GIWW EAST	7.0	New Orleans , LA	75	640	17	31	31	Miter	NA	1923
BAYOU SORREL	GIWW MORGAN CTY-PORT ALLEN ALT RTE	37.5	Plaquemine , LA	56	800	21	14	14	Sector	NA	1952
PORT ALLEN	GIWW MORGAN CTY-PORT ALLEN ALT RTE	64.1	Port Allen , LA	84	1202	45	13	14	Miter	NA	1961
BRAZOS EAST	GIWW TEXAS	400.8	Freeport , TX	75	750	0	15	15	Sector	520.0	1943
BRAZOS WEST	GIWW TEXAS	401.1	Freeport , TX	75	750	0	15	15	Sector	520.0	1943
HARVEY	GIWW WEST	0.0	Harvey , LA	75	425	20	12	12	Miter	NA	1935
GREEN & BARREN RIVERS,KY											
1	GREEN	9.1	Spottsville , KY	84	600	8	12	15	Miter	760.0	1956
2	GREEN	63.1	Calhoun , KY	84	600	14	12	12	Miter	512.0	1956
3	GREEN	108.5	Rochester , KY	36	138	17	0	0	Miter	NA	1836

* NA (Not Applicable) No Dam at Lock

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
4	GREEN	149.0	Woodbury , KY	36	138	16	0	0	Miter	NA	1836
HUDSON RIVER											
TROY	HUDSON	153.8	Troy , NY	45	520	17	16	13	Miter	1495.0	1916
ILLINOIS WATERWAY											
THOMAS J. O'BRIEN	CALUMET	326.5	Chicago , IL	110	1000	4	18	18	Tainter	256.75	1960
LAGRANGE	ILLINOIS	80.2	Beardstown , IL	110	600	10	16	13	Miter	1066.0	1939
PEORIA	ILLINOIS	157.7	Creve Coeur , IL	110	600	11	15	12	Miter	3446.0	1938
STARVED ROCK	ILLINOIS	231.0	Utica , IL	110	600	19	17	14	Miter	1280.0	1933
MARSEILLES	ILLINOIS	244.6	Marseilles , IL	110	600	24	19	14	Miter	778.5	1933
DRESDEN ISLAND	ILLINOIS	271.5	Morris , IL	110	600	22	17	12	Miter	1615.5	1933
BRANDON ROAD	ILLINOIS	286.0	Joliet , IL	110	600	34	18	14	Miter	2373.0	1933
LOCKPORT	ILLINOIS	291.1	Lockport , IL	110	600	39	20	15	Miter	500.0	1933
KANAWHA RIVER											
WINFIELD	KANAWHA	31.1	Winfield , WV	56	360	28	18	12	Miter	700.0	1935
WINFIELD	KANAWHA	31.1	Winfield , WV	110	800	28	18	18	Miter	700.0	1997
WINFIELD	KANAWHA	31.1	Winfield , WV	56	360	28	18	12	Miter	700.0	1935
MARMET	KANAWHA	67.7	Marmet , WV	56	360	24	18	12	Miter	557.0	1933
MARMET	KANAWHA	67.7	Marmet , WV	56	360	24	18	12	Miter	557.0	1933
MARMET	KANAWHA	67.7	Marmet , WV	110	800	24	18	12	Miter	557.0	2008

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
LONDON	KANAWHA	82.8	London , WV	56	407	24	18	12	Miter	557.0	1933
LONDON	KANAWHA	82.8	London , WV	56	360	24	18	12	Miter	557.0	1933
KASKASKIA RIVER											
KASKASKIA	KASKASKIA	0.8	Modoc , IL	84	600	29	19	11	Miter	120.0	1973
KENTUCKY RIVER, KY											
1	KENTUCKY	4.0	Carrollton , KY	38	145	8	8	15	Miter	424.0	1839
2	KENTUCKY	31.0	Lockport , KY	38	145	14	8	6	Miter	400.0	1839
3	KENTUCKY	42.0	Gest , KY	38	145	13	9	6	Miter	465.0	1844
4	KENTUCKY	65.0	Frankfort , KY	38	145	13	6	7	Miter	534.0	1844
LAKE WASHINGTON SHIP CANAL											
HIRAM M. CHITTENDEN	LAKE WASHINGTON SHIP CANAL	0.0	Seattle , WA	80	825	26	36	29	Miter	235.0	1916
HIRAM M. CHITTENDEN	LAKE WASHINGTON SHIP CANAL	0.0	Seattle , WA	28	150	26	16	16	Miter	235.0	1916
MCCLELLAN-KERR ARKANSAS RIVER NAVIGATION SYSTEM											
NORRELL	ARKANSAS	10.3	Arkansas Post , AR	110	600	30	16	15	Miter	277.0	1967
WILBUR D MILLS	ARKANSAS	13.3	Arkansas Post , AR	110	600	20	18	14	Miter	1120.0	1967
JOE HARDIN	ARKANSAS	50.2	Grady , AR	110	600	20	18	14	Miter	1260.0	1968
EMMETT SANDERS	ARKANSAS	66.0	Pine Bluff , AR	110	600	14	18	14	Miter	1190.0	1968
COL CHARLES D MAYNARD	ARKANSAS	86.3	Redfield , AR	110	600	17	18	14	Miter	1050.0	1968
DAVID D. TERRY	ARKANSAS	108.1	Little Rock , AR	110	600	18	18	14	Miter	1190.0	1968

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
MURRAY	ARKANSAS	125.4	Little Rock , AR	110	600	18	18	14	Miter	980.0	1969
TOAD SUCK FERRY	ARKANSAS	155.9	Conway , AR	110	600	16	18	14	Miter	1200.0	1969
ARTHUR V ORMOND	ARKANSAS	176.9	Morrilton , AR	110	600	19	18	14	Miter	1797.0	1969
DARDANELLE	ARKANSAS	205.5	Russellville , AR	110	600	55	18	14	Miter	1210.0	1969
OZARK - JETA TAYLOR	ARKANSAS	256.8	Ozark , AR	110	600	34	18	15	Miter	900.0	1969
JAMES W. TRIMBLE	ARKANSAS	292.8	Fort Smith , AR	110	600	20	18	14	Miter	1050.0	1969
W.D. MAYO	ARKANSAS	319.6	Spiro , OK	110	600	21	14	14	Miter	840.0	1970
ROBERT S. KERR	ARKANSAS	336.2	Salisaw , OK	110	600	48	16	14	Miter	1090.0	1970
WEBBERS FALLS	ARKANSAS	366.6	Webber Falls , OK	110	600	30	16	14	Miter	720.0	1970
CHOUTEAU	VERDIGRIS	5	Muskogee , OK	110	600	21	15	14	Miter	210.0	1970
NEWT GRAHAM	VERDIGRIS	26	Inola , OK	110	600	21	15	14	Miter	210.0	1970
MONTGOMERY POINT	WHITE	0.5	Tichnor , AR	110	600	20	18	15	Miter		2004
MERMENTAU RIVER, LA											
SCHOONER BAYOU	INLAND WW, FRANKLIN- MERMENTAU	3.4	Abbeville , LA	75	525	0	0	0	Sector	NA	1950
CATFISH POINT	MERMENTAU	25	Creole , LA	56	500	0	0	0	Sector	NA	1951
MISSISSIPPI R BETWN MISSOURI R & MINNEAPOLIS, MN											
MELVIN PRICE	MISSISSIPPI	200.8	East Alton , IL	110	1200	24	23	18	Vertical	990.0	1990
MELVIN PRICE	MISSISSIPPI	200.8	East Alton , IL	110	600	24	42	18	Miter	990.0	1994
25	MISSISSIPPI	241.4	Winfield , MO	110	600	15	19	12	Miter	1140.0	1939

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
24	MISSISSIPPI	273.4	Clarksville , MO	110	600	15	19	12	Miter	1200.0	1940
22	MISSISSIPPI	301.2	Saverton , MO	110	600	10	18	14	Miter	3084.0	1938
21	MISSISSIPPI	324.9	Quincy , IL	110	600	10	17	12	Miter	2955.0	1938
20	MISSISSIPPI	343.2	Canton , MO	110	600	10	15	12	Miter	2144.0	1936
19	MISSISSIPPI	364.3	Keokuk , IA	110	1200	38	15	13	Vertical	8809.0	1957
18	MISSISSIPPI	410.5	Gladstone , IL	110	600	10	17	14	Miter	6960.0	1937
17	MISSISSIPPI	437.1	New Boston , IL	110	600	8	16	13	Miter	3196.0	1939
16	MISSISSIPPI	457.2	Muscatine , IL	110	600	9	17	12	Miter	3555.0	1937
15	MISSISSIPPI	482.9	Rock Island , IA	110	600	16	27	11	Miter	1203.0	1934
15	MISSISSIPPI	482.9	Rock Island , IL	110	360	16	27	11	Miter	1203.0	1934
14	MISSISSIPPI	493.0	LeClaire , IA	80	320	11	21	14	Miter	2703.0	1939
14	MISSISSIPPI	493.0	LeClaire , IA	110	600	11	20	13	Miter	2703.0	1922
13	MISSISSIPPI	522.5	Clinton , IL	110	600	11	19	13	Miter	1407.0	1938
12	MISSISSIPPI	556.7	Bellevue , IA	110	600	9	17	13	Miter	8369.0	1939
11	MISSISSIPPI	583.0	Dubuque , IA	110	600	12	19	13	Miter	4784.0	1937
10	MISSISSIPPI	615.1	Guttenburg , IA	110	600	8	15	12	Miter	763.0	1936
9	MISSISSIPPI	647.9	Lynxville , WI	110	600	9	16	13	Miter	811.0	1938
8	MISSISSIPPI	679.2	Genoa , WI	110	600	11	22	14	Miter	935.0	1937
7	MISSISSIPPI	702.5	Dresbach , MN	110	600	8	18	12	Miter	940.0	1937

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
6	MISSISSIPPI	714.3	Trempealeau , WI	110	600	6	17	13	Miter	893.0	1936
5a	MISSISSIPPI	728.5	Winona,MN , MN	110	600	5	18	13	Miter	682.0	1936
5	MISSISSIPPI	738.1	Minneiska , MN	110	600	9	18	12	Miter	1619.0	1935
4	MISSISSIPPI	752.8	Alma , WI	110	600	7	17	13	Miter	1367.0	1935
3	MISSISSIPPI	796.9	Red Wing , MN	110	600	8	17	14	Miter	365.0	1938
2	MISSISSIPPI	815.2	Hastings , MN	110	500	12	22	13	Miter	822.0	1930
1	MISSISSIPPI	847.6	Minn. St. Paul , MN	56	400	38	13	8	Miter	574.0	1930
1	MISSISSIPPI	847.6	Minn. St. Paul , MN	56	400	38	13	10	Miter	574.0	1932
LOWER SAINT ANTHONY FALLS	MISSISSIPPI	853.3	Minneapolis , MN	56	400	25	14	10	Miter	188.0	1959
UPPER SAINT ANTHONY FALLS	MISSISSIPPI	853.9	Minneapolis , MN	56	400	49	16	14	Miter	NA	1963
MISSISSIPPI R BETWN OHIO AND MISSOURI RIVERS											
27	MISSISSIPPI	185.5	Granite City , IL	110	600	21	15	15	Miter	3000.0	1953
27	MISSISSIPPI	185.5	Granite City , IL	110	1200	21	15	15	Vertical	3000.0	1953
MONONGAHELA RIVER											
2	MONONGAHELA	11.2	Braddock , PA	110	720	9	15	16	Miter	748.0	1905
2	MONONGAHELA	11.2	Braddock , PA	56	360	9	15	16	Miter	748.0	1905
3	MONONGAHELA	23.8	Elizabeth , PA	56	360	8	11	11	Miter	670.0	1907
3	MONONGAHELA	23.8	Elizabeth , PA	56	720	8	11	11	Miter	670.0	1907
4	MONONGAHELA	41.5	Monessen , PA	56	720	17	20	10	Miter	535.0	1932

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
4	MONONGAHELA	41.5	Monessen , PA	56	360	17	20	10	Miter	535.0	1932
MAXWELL	MONONGAHELA	61.2	Maxwell , PA	84	720	20	20	14	Miter	460.0	1963
MAXWELL	MONONGAHELA	61.2	Maxwell , PA	84	720	20	20	14	Miter	460.0	1963
GRAYS LANDING	MONONGAHELA	82.0	Grays Landing , PA	84	720	15	27	18	Miter	576.0	1993
POINT MARION	MONONGAHELA	90.8	Point Marion , PA	84	720	19	16	35	Miter	682.0	1994
MORGANTOWN	MONONGAHELA	102.0	Morgantown , WV	84	600	17	17	14	Miter	410.0	1950
HILDEBRAND	MONONGAHELA	108.0	Morgantown , WV	84	600	21	14	15	Miter	530.0	1959
OPEKISKA	MONONGAHELA	115.4	Opekiska , WV	84	600	22	18	14	Miter	366.0	1964
OHIO RIVER											
EMSWORTH	OHIO	6.2	Emsworth , PA	110	600	18	17	13	Miter	1717.0	1921
EMSWORTH	OHIO	6.2	Emsworth , PA	56	360	18	16	13	Miter	1717.0	1921
DASHIELDS	OHIO	13.3	Glenwillard , PA	110	600	10	13	18	Miter	1585.0	1929
DASHIELDS	OHIO	13.3	Glenwillard , PA	56	360	10	13	18	Miter	1585.0	1929
MONTGOMERY	OHIO	31.7	Monaca , PA	110	600	18	16	15	Miter	1379.0	1936
MONTGOMERY	OHIO	31.7	Monaca , PA	56	360	18	16	15	Miter	1379.0	1936
NEW CUMBERLAND	OHIO	54.4	Stratton , OH	110	1200	21	17	15	Miter	1315.0	1959
NEW CUMBERLAND	OHIO	54.4	Stratton , OH	110	600	21	17	15	Miter	1315.0	1959
PIKE ISLAND	OHIO	84.2	Warwood , WV	110	600	18	17	18	Miter	1315.0	1965
PIKE ISLAND	OHIO	84.2	Warwood , WV	110	1200	18	17	18	Miter	1315.0	1965

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
HANNIBAL	OHIO	126.4	Hannibal , OH	110	1200	21	38	17	Miter	1098.0	1973
HANNIBAL	OHIO	126.4	Hannibal , OH	110	600	21	38	17	Miter	1098.0	1973
WILLOW ISLAND	OHIO	161.7	Newport , OH	110	600	20	35	15	Miter	1128.0	1972
WILLOW ISLAND	OHIO	161.7	Newport , OH	110	1200	20	35	15	Miter	1128.0	1972
BELLEVILLE	OHIO	203.9	Reedsville , OH	110	1200	22	37	15	Miter	1206.0	1969
BELLEVILLE	OHIO	203.9	Reedsville , OH	110	600	22	37	15	Miter	1206.0	1969
RACINE	OHIO	237.5	Letart , WV	110	1200	22	37	15	Miter	1173.0	1967
RACINE	OHIO	237.5	Letart , WV	110	600	22	37	15	Miter	1173.0	1967
ROBERT C. BYRD	OHIO	279.2	Hogsett , WV	110	1200	23	41	18	Miter	1132.0	1993
ROBERT C. BYRD	OHIO	279.2	Hogsett , WV	110	600	23	41	18	Miter	1132.0	1993
GREENUP	OHIO	341.0	Greenup , KY	110	1200	30	45	15	Miter	1287.0	1959
GREENUP	OHIO	341.0	Greenup , KY	110	600	30	45	15	Miter	1287.0	1959
CAPTAIN ANTHONY MELDAHL	OHIO	436.2	Chilo , OH	110	600	30	45	15	Miter	1756.0	1962
CAPTAIN ANTHONY MELDAHL	OHIO	436.2	Chilo , OH	110	1200	30	45	15	Miter	1756.0	1962
MARKLAND	OHIO	531.5	Warsaw , KY	110	600	35	50	15	Miter	1395.0	1959
MARKLAND	OHIO	531.5	Warsaw , KY	110	1200	35	50	15	Miter	1395.0	1959
MCALPINE	OHIO	606.8	Louisville , KY	110	1200	37	49	12	Miter		2009
MCALPINE	OHIO	606.8	Louisville , KY	110	1200	37	49	12	Miter	8725.0	1961
CANNELTON	OHIO	720.7	Cannelton , IN	110	1200	25	40	15	Miter	2054.0	1971

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
CANNELTON	OHIO	720.7	Cannelton , IN	110	600	25	40	15	Miter	2054.0	1971
NEWBURGH	OHIO	776.1	Newburgh , IN	110	1200	16	31	15	Miter	2275.6	1975
NEWBURGH	OHIO	776.1	Newburgh , IN	110	600	16	31	15	Miter	2275.6	1975
JOHN T. MYERS	OHIO	846.0	Mount Vernon , IN	110	600	18	34	16	Miter	3504.0	1975
JOHN T. MYERS	OHIO	846.0	Mount Vernon , IN	110	1200	18	34	16	Miter	3504.0	1975
SMITHLAND	OHIO	918.5	Hamletsburg , IL	110	1200	22	34	12	Miter	2962.0	1980
SMITHLAND	OHIO	918.5	Hamletsburg , IL	110	1200	22	34	12	Miter	2962.0	1980
52	OHIO	938.9	Brookport , IL	110	1200	12	15	11	Miter	2998.0	1969
52	OHIO	938.9	Brookport , IL	110	600	12	15	11	Miter	2978.0	1928
53	OHIO	962.6	Mound City , IL	110	1200	12	15	10	Miter	3560.0	1980
53	OHIO	962.6	Mound City , IL	110	600	12	15	10	Miter	3560.0	1929
OKEECHOBEE WATERWAY, FL											
MOORE HAVEN	CALOOSAHATCHEE	78.0	Moore Haven , FL	50	250	2	10	11	Sector	89.8	1953
W. P. FRANKLIN	CALOOSAHATCHEE	122.0	Fort Myers , FL	56	400	3	13	13	Sector	1150.0	1965
ORTONA	OKEECHOBEE	93.6	LaBelle , FL	50	250	11	12	15	Sector	104.0	1937
ST. LUCIE	ST. LUCIE CANAL	15.3	Stuart , FL	50	250	13	15	13	Sector	170.0	1941
PORT MAYACA	ST. LUCIE CANAL	38.5	Port Mayaca , FL	56	400	2	17	17	Sector	116.0	1977
OLD RIVER, LA (MR&T)											
OLD RIVER	OLD RIVER	1.0	Simmesport , LA	75	1200	35	11	11	Miter	1100.0	1963

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
OUACHITA & BLACK RIVERS BELOW CAMDEN, AR											
JONESVILLE	BLACK	25.0	Jonesville , LA	84	600	30	18	15	Miter	450.0	1972
COLUMBIA	OUACHITA	117.2	Columbia , LA	84	600	18	18	18	Miter	400.0	1972
FELSENTHAL	OUACHITA	226.8	Felsenthal , AR	84	600	18	18	13	Miter	350.0	1984
H. K. THATCHER	OUACHITA	281.7	Calion , AR	84	600	12	18	13	Miter	350.0	1984
PEARL RIVER LATERAL CANAL											
1	WEST PEARL	29.7	Pearl River , LA	65	310	27	10	10	Miter	NA	1949
2	WEST PEARL	40.8	Bush , LA	65	310	15	10	10	Miter	NA	1950
3	WEST PEARL	43.9	Sun , LA	65	310	11	10	10	Miter	NA	1950
RED RIVER WW-MISSISSIPPI R to SHREVEPORT, LA											
LINDY CLAIBORNE BOGGS	RED	44.0	Larto , LA	84	785	36	22	13	Miter	630.0	1984
JOHN H.OVERTON	RED	74.0	Ruby , LA	84	785	24	23	23	Miter	348.0	1987
3	RED	116.4	Colfax , LA	84	785	31	25	18	Miter	432.0	1992
RUSSELL B. LONG	RED	169.0	Coushatta , LA	84	785	25	25	18	Miter	690.0	1994
JOE D. WAGGONNER	RED	200.0	Caspiana , LA	84	785	25	22	23	Miter	663.0	1994
SACRAMENTO RIVER											
SACRAMENTO BARGE CANAL LOCK	SACRAMENTO	43.0	West Sacramento , CA	86	600	4	13	13	Sector	NA	1961
SAVANNAH RIVER											
NEW SAVANNAH BLUFF	SAVANNAH	187.2	Augusta , GA	56	360	15	14	12	Miter	360.0	1937

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APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
SNAKE RIVER											
ICE HARBOR	SNAKE	9.7	Pasco , WA	86	675	103	15	14	Vertical	2790.0	1962
LOWER MONUMENTAL	SNAKE	41.6	Kahlotus , WA	86	675	103	15	15	Vertical	3800.0	1969
LITTLE GOOSE	SNAKE	70.3	Starbuck , WA	86	675	101	15	15	Miter	2655.0	1970
LOWER GRANITE	SNAKE	107.5	Pomeroy , WA	86	675	105	15	15	Miter	3200.0	1975
ST. MARYS RIVER, MI											
SABIN LOCK	ST. MARYS	47.0	Sault Ste. Marie , MI	80	1350	22	24	23	Leaf	1300.0	1919
DAVIS LOCK	ST. MARYS	47.0	Sault Ste. Marie , MI	80	1350	22	24	23	Leaf	1300.0	1914
NEW POE LOCK	ST. MARYS	47.0	Sault Ste. Marie , MI	110	1220	22	32	32	Leaf	1300.0	1968
MACARTHUR LOCK	ST. MARYS	47.0	Sault Ste. Marie , MI	80	800	22	31	31	Leaf	1300.0	1943
TENNESSEE RIVER, TN, AL, & KY											
MELTON HILL	CLINCH	23.1	Kingston , TN	75	400	58	13	13	Miter	1072.0	1963
KENTUCKY	TENNESSEE	22.4	Grand Rivers , KY	110	600	57	24	13	Miter	7976.0	1942
PICKWICK LANDING	TENNESSEE	206.7	Pickwick Dam , TN	110	1000	55	19	17	Miter	7385.0	1984
PICKWICK LANDING	TENNESSEE	206.7	Pickwick Dam , TN	110	600	55	16	17	Miter	7385.0	1937
WILSON	TENNESSEE	259.4	Florence , AL	60	300	49	13	13	Miter	3728.0	1927
WILSON	TENNESSEE	259.4	Florence , AL	60	300	45	11	11	Miter	3728.0	1927
WILSON	TENNESSEE	259.4	Florence , AL	110	600	94	11	11	Miter	3728.0	1959
GENERAL JOSEPH WHEELER	TENNESSEE	274.9	Rogersville , AL	60	400	48	15	13	Miter	5738.0	1934

* NA (Not Applicable) No Dam at Lock

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
GENERAL JOSEPH WHEELER	TENNESSEE	274.9	Rogersville , AL	110	600	48	15	13	Miter	5738.0	1963
GUNTERSVILLE	TENNESSEE	349.0	Guntersville , AL	110	600	39	17	18	Miter	3837.0	1965
GUNTERSVILLE	TENNESSEE	349.0	Guntersville , AL	60	360	39	17	18	Miter	3837.0	1937
NICKAJACK	TENNESSEE	424.7	Jasper , TN	110	600	39	13	11	Miter	3763.0	1967
CHICKAMAUGA	TENNESSEE	471.0	Chattanooga , TN	60	360	49	10	14	Miter	5654.0	1937
WATTS BAR	TENNESSEE	529.9	Breendenton , TN	60	360	58	12	12	Miter	2646.0	1941
FORT LOUDON	TENNESSEE	602.3	Lenoir City , TN	60	360	72	12	12	Miter	3687.0	1943
TENNESSEE-TOMBIGBEE WATERWAY AL, MS											
HOWELL HEFLIN	TENN-TOMBIGBEE	266.1	Gainesville , AL	110	600	36	15	15	Miter	817.0	1978
TOM BEVILL	TENN-TOMBIGBEE	306.8	Aliceville , AL	110	600	27	15	15	Miter	647.0	1979
JOHN C. STENNIS	TENN-TOMBIGBEE	334.7	Columbus , MS	110	600	27	15	15	Miter	573.0	1980
ABERDEEN	TENN-TOMBIGBEE	357.5	Aberdeen , MS	110	600	27	15	15	Miter	641.0	1985
AMORY	TENN-TOMBIGBEE	371.1	Amory , MS	110	600	30	15	15	Miter	284.0	1985
GLOVER WILKINS	TENN-TOMBIGBEE	376.3	Smithville , AL	110	600	25	18	18	Miter	779.0	1985
FULTON	TENN-TOMBIGBEE	391.0	Fulton , MS	110	600	25	18	18	Miter	396.0	1985
JOHN E. RANKIN	TENN-TOMBIGBEE	398.4	Fulton , MS	110	600	30	18	18	Miter	282.0	1985
G.V. "SONNY" MONTGOMERY	TENN-TOMBIGBEE	406.7	Belmont , MS	110	600	30	18	18	Miter	449.0	1985
JAMIE WHITTEN	TENN-TOMBIGBEE	411.9	Tupelo , MS	110	600	84	18	18	Miter	2750.0	1985

THE INLAND ROUTE, MI

* NA (Not Applicable) No Dam at Lock

APPENDIX C

Navigation Locks and Dams Owned or Operated September 30, 2009

Waterway/ Lock	River	River Mile	Community	Chamber Unit in Feet			Depth Over Sill Unit in Feet		Gate Type	Dam Unit in Feet Length *	Year Open
				Width	Length	Lift	Upper	Lower			
ALANSON	CROOKED	30	Alanson , MI	18	66	3	7	8	Tainter	83.0	1967
WILLAMETTE RIVER AT WILLAMETTE FALLS											
WILLAMETTE FALLS	WILLAMETTE	26.0	West Linn , OR	40	210	10	6	8	Leaf	NA	1873
WILLAMETTE FALLS	WILLAMETTE	26.0	West Linn , OR	40	210	20	6	8	Leaf	NA	1873
WILLAMETTE FALLS	WILLAMETTE	26.0	West Linn , OR	40	210	10	6	8	Leaf	NA	1873
WILLAMETTE FALLS	WILLAMETTE	26.0	West Linn , OR	40	210	10	6	8	Leaf	NA	1873
WILLAMETTE FALLS	WILLAMETTE	26.0	West Linn , OR	40	210	10	6	8	Leaf	NA	1873

* NA (Not Applicable) No Dam at Lock

APPENDIX D
Navigation Projects Under Construction During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Agat Small Boat Harbor, Guam (Sec 107)	1987	1989	1989	Dredging and breakwater
Arthur Kill Channel, Howland Hook, Terminal, NY & NJ	2001			Deep draft channel-widening and deepening to 41ft.
Ashtabula Harbor, OH	2009		2008 ⁶	Dredged 70,000 cubic yards
Baltimore Harbor Anchorages and Channels, MD	2002	2003	2003	Deepen and Widen Anchorages
Baton Rouge, LA	1987	1987 ¹	Indefinite ²	Dredging 55-foot channel
Black Rock Channel and Tonawanda Harbor, NY	2009		2009 ⁶	Repairs to the Lower Guard Gate Sill and the Lower Operating Gate Sill
Brunswick Harbor, GA	2002	2007	2010	Deepen to 36 feet.
Buffalo Harbor, NY	2008		2008 ⁶	Dredged approximately 78,000 cubic yards
Burns Harbor, IN	1995	1999	1999	Breakwater Rehabilitation
Calabash Creek, SC (Sec 107)	2000	2001	2001	Channel Deepening
Chain of Rocks Canal, IL	1999	1953	Undetermined	Deficiency Correction
Channel to Newport News, VA (196 Mod.)	1967	1968	Indefinite	Deferred anchorage construction
Channel to Newport News, VA (1986 Mod.)	1987	1989	Indefinite	Dredge 50 ft. Channel. Deepen to 55 feet
Channel to Victoria, TX	1993	2002	2009	Enlarging and deepening channel to 12 foot Depth. Completion of remaining Environmental mitigation features and archaeological analysis.
Charleston Harbor (Deeping/Widening), SC	1998	2001	2008	Deepen Entrance Channel to 47 feet and inner channels to 45 feet depth.
Chicago Harbor (Lock), IL	1995	1997	1997	Lock Bulkhead Fabrication
Chicago Harbor (Lock), IL	1996	1997	1997	Construct Slots to Dewater Lock Gate Bays
Chickamauga Lock and Dam, TN	2004		2016	Construct 110-foot by 600-foot replacement

APPENDIX D
Navigation Projects Under Construction During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Chignik Harbor, AK	2001		2010	lock.
Cleveland Harbor, OH	2009		2008 ⁶	Channel Dredging
Coan River, VA	1993		2004	Dredged 129,074 cubic yards, repaired the West Pierhead
Columbia River Channel Improvements, OR & WA	2004		2020	Channel Dredging /Jetty Construction
Crescent City Harbor, CA	1998		2000	Deepen channel and environmental restoration
Delaware River Main Channel & Deepening, NJ, PA, & DE	1999		Undetermined	Deepen Channel
Dunkirk Harbor, NY	2009		2009 ⁶	Deepen Channel from 40 to 45 feet
Emsworth Dam Rehab	2004		2011	Dredged 105,367 cubic yards
Fairport Harbor, OH	2009		2009 ⁶	Major Rehab of Back Channel Gates and Main Channel erosion protection
Grays Landing Lock & Dam (Lock & Dam 7) Monongahela River, PA	1986	1996	2005	Dredged 188,166 cubic yards
Gulfport Harbor, MS	1991	1994	2006	Construct new lock & dam to replace existing lock & dam 7
Hempstead Harbor, NY	1992		1995	Deepen Channel
Houston-Galveston Navigation Channels, TX	1998		2010	Removal of derelect barges
Humboldt Harbor and Bay Deepening, CA	1997		2000	Deepen and Widen Houston Ship Channel and Galveston Harbor and Channel; 45' depth in Houston Ship Channel completion-2005
Huron Harbor, OH	2008		2008 ⁶	Deepening and Widen Channel
Illinois Waterway Four Locks	1993		1996	Dredged 303,000 cubic yards
Indiana Harbor Confined Disposal Facility, IN	2002		2040	Major rehabilitation of locks and dams
Inner Harbor Navigation Canal Lock	1999		Undetermined	Confined Disposal Facility (CDF) construction.
J. Bennett Johnston Waterway, LA (formerly Red River Waterway)	1974	1984 ³	Indefinite ⁴	Lock Replacement
				Channel improvement and realignment

APPENDIX D
Navigation Projects Under Construction During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Jacksonville Harbor, FL	1999		2010	Navigation Channel Deepening
John T. Myers Locks and Dam, IN & KY	2004		Indefinite	Lock Replacement
Kahului Light Draft Harbor, Maui, HI	2004	2007	2007	Breakwater and Navigation Channel
Kake Harbor, AK	1997	2001	2011	Harbor Improvements
Kaumalapau Harbor, Lanai, HI	2004	2007	2007	Breakwater and Navigation Channel
Kawaihae Small Boat Harbor, Hawaii, HI	1996	1998	1998	Breakwater
Kentucky Lock Addition, KY	1998		2016	Lock Addition (1200 feet)
Kill Van Kull-Newark Bay, NJ and NY (Stage I)	1986		1995	Deep draft channel-widening and deepening to 40 ft.
Kill Van Kull-Newark Bay, NJ and NY (Stage II)	1999		2004	Deep draft channel-widening and deepening to 45 ft.
Kikiaola Harbor, Kauai, HI	2007		2010	Breakwater and Navigation Channel
Laupahoehoe Harbor, Hawaii, HI	1988	1988	1988	Breakwater
Lock and Dams 2, 3 and 4, Monongahela, PA and WV	1992		2019	Major rehabilitation of locks and dams, removal of Lock and Dam 3
Lock and Dam 3, MN	1998		2011	Major rehabilitation/embankments
Lock and Dam 24, MO	1996	1940	2008	Major rehabilitation of lock and dam
Lock and Dam 27, IL	2008	1953	Undetermined	Major rehabilitation of lock and dam
Lorain Harbor, OH	2009		2009 ⁶	Dredged 156,000 cubic yards
Los Angeles Harbor, Main Channel CA	1996	2011	2010	Channel Deepening
McAlpine Lock and Dam	1996		2009	Lock Replacement (1200 feet)
McClellan-Kerr Arkansas River Navigation System, AR	1963	1970	2008	Locks and dams
Manatee Harbor, FL	1995		2010	Enlarge turning basin, construct wideners, mitigation
Markland Locks and Dam	2008		2011	Major Rehab
Marmet Locks & Dam, Kanawha River, WV	1998	2008	2009	Construction of new lock
Melvin Price Lock and Dam, IL and MO	1974	1990	2010	Replacement

APPENDIX D
Navigation Projects Under Construction During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Mississippi River between Ohio and Missouri Rivers, IL and MO	1910		Indefinite	Regulating Works
Mississippi River, Locks 17, 21, & 22, IL and MO	2005		2006	New Lock Checkposts
Mississippi River, Lock 11, IA	2005		2007	Lock Rehabilitation
Mississippi River, Ship Channel, Gulf to Mt. Morris Lake, NY	2002		2003 ⁵	Road Repair
Montgomery Point Lock and Dam, AR	1997	2005	2011	Lock and Dam
Morehead City Harbor, N.C. (CAP Sec 933)	2004	2004	2011	Beneficial used of dredged material
Mouth of Colorado River, TX (Gulf Intracoastal Waterway)	1984	1994	1995	Breakwaters, dredging, and recreation
Nawiliwili Harbor, Kauai, HI	1985	1987	1987	Breakwater repair
Neches River Saltwater Barrier	2000		2005	Construction of a tainter-gated saltwater barrier structure, sector-gated navigation bypass channel, access road and levee
New York Harbor and Adjacent Channels, Port Jersey Channel, NJ	1998		2008	Deepening channel to 45 ft. providing a turning basin and bulkheading.
New York and New Jersey Harbors, NY and NJ	2002		Indefinite	Deep draft channel to 52 ft.
New York Harbor Collection and Removal of drift, NY & NJ	1976	Incremental	Indefinite	Removal of drift sources.
Nome Harbor, AK	2003	2007	2011	Breakwater, Navigation Channel, and sediment management scheme
Norfolk Harbor Channel, VA (1965 Mod.)	1966	Incremental	Indefinite	Removal of drift sources
Norfolk Harbor Channel, VA (1986 Mod)	1987	Incremental	Indefinite	Dredge channel to 55 feet
Oakland Harbor – 42', CA	1987	1998	Indefinite	Channel deepening and widening turning basin
Oakland Harbor – 50', CA	2001		2016	Channel deepening and widening turning

APPENDIX D
Navigation Projects Under Construction During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Olmsted Locks and Dam, IL & KY	1992		2018	Navigation basin
Oyster Point Harbor, CA (Sec 107)	2001		2011	Reconfigure wing-walls
Pascagoula Harbor, MS	1994		2004	Channel dredging and construction of a new turning basin
Point Marion, Lock & Dam 8, Monongahela River, PA	1986	1994	2002	Replaces existing 56x360' lock chamber with new 84'x720' chamber
Port of Florence, AL	1994	1995	1995	Channel Dredging
Port Hueneme, CA (Sec 107)	2001		2012	Channel Deepening
Port of Long Beach (Deepening), CA	1998	2012	2010	Channel Deepening
Red River Emergency Bank Protection, AR, LA, OK & TX	1970		Indefinite	Streambank stabilize & channel realignment
Richmond Harbor, CA	1985		2000	Channel deepening and turning basin
Robert C. Byrd Locks and Dam, Ohio River	1985	1992	2010	Replacement of existing locks and major rehabilitation of the dam
Rochester Harbor, NY	2009		2009 ⁶	Dredged 153,325 cubic yards, repaired the West Pier
Rockhold Creek, MD	2004		2006	New breakwater and modification of an existing breakwater
Rudee Inlet, VA	1990	1991	1991	Dredge 7 foot channel
Sacramento River Deep Water Ship Channel, CA	1986		Undetermined	Deep draft channel, widening and deepening
Salem River, NJ	1995	1996	1996	Channel deepening
Sand Point Harbor	2005	2007	2007	Breakwater Dredging
San Diego Harbor (Deepening), CA, Sec 107	2004		2005	Channel deepening
Sandusky Harbor, OH	2009		2009 ⁶	Dredged 119,617 cubic yards
San Francisco Bay to Stockton, CA (John F. Baldwin and Stockton Ship Channels)	1971		Undetermined	Deep draft channel, widening, deepening and dredging
Santa Barbara Harbor, CA	1991		Indefinite	Acquire Dredge
Santa Monica Breakwater, CA	1998		Indefinite	Repair Breakwater

APPENDIX D
Navigation Projects Under Construction During Fiscal Year 2009

Project	Fiscal Year Started	Placed in Useful Operation	Fiscal Year Completed or Scheduled for Completion	Nature of Project
Savannah Harbor Deepening, GA	1993		1994	Channel deepening
Seward Harbor, AK	2004		2011	Expand break waters
Shallow Creek Spur Channel, MD	1999	2000	2003	Spur Channel
Shinnecock Inlet, NY	1990		1995	Dredging and repair of Jetties
Sonoma Baylands Wetlands Demonstration Project, CA	1993		1997	Restoration of Tidal Wetlands on a 348 acre site
St. George Channel Extension, AK	1994		Unscheduled	Dredging
St. Lucie Inlet, FL	2001		2009	Impoundment basin and jetty elements
Taconite Harbor, MN	2000	2002	2002	Harbor of refuge construction
Taylor Point Cut, LA (107)	1999	1999	1999	Navigation cut from Charenton LK to Grand Isle
Tenn River, Port of Florence	1994		1995	Channel Improvements
Toledo Harbor, OH	2009		2009 ⁶	Dredged 181,000 cubic yards from the Maumee River and 539,000 cubic yards from the Maumee Bay
Unalaska, AK	2008	2013	2013	Breakwaters and dredging
Wilmington Harbor, NC	1999	2004	Unscheduled	Dredging to Deepen
Winfield Locks and Dam, Kanawha River, WV	1990	1997	2008	Construction of new lock
Wrangell Harbor, AK (Reimbursement)	2003		Unscheduled	Breakwater
Yazoo Diversion Canal, MS (Sec 107)	2007		2008	Channel deepening

APPENDIX D

Navigation Projects Under Construction During Fiscal Year 2009

¹ Walter B. Jones, Joseph P. Knapp, Core Creek, and Gene A. Potter Memorial Bridge and Fairfield Bridge are operational. Fairfield bridge is being closed out.

² Phase I, forty-five foot channel to New Orleans, LA. Forty-five foot channel to Mile 181 (Donaldsonville, LA) placed in useful operation in 1988. Phase II, forty-five foot channel from mile 181 to Baton Rouge placed in useful operation in 1994.

³ Awaiting further PCA's to go deeper than 45 feet.

⁴ Lock and Dam No. 1 placed in useful operation in 1984. Lock and Dam No. 2 in 1987. Lock and Dam No. 3 in 1992. Lock and Dam No. 4 and 5 in 1994.

⁵ Schedule for completion of entire project is indefinite. However, the project opened to 9-foot navigation on 31 December 1994.

⁶ O&M funded.

⁷ Placement of maintenance dredge material from the Morehead City Harbor, N.C. navigation project along Bogue Bank beaches of Salter Path, Indian Beach, and Pine Knoll Shores. CAP section 933 project.

APPENDIX E
Multiple-Purpose Projects Including Power
Operable September 30, 2009

Project	River	Community in Vicinity	Total Storage Capability (acre-feet) ¹	Flood Control and/or Nav. Feature Placed in Useful Operation CY	Initial Power in FY	Existing Installation (KW)	Ultimate Installation (KW)	Project Functions	Type ²	Height (feet)	Length (feet)
Albeni Falls, ID	Pend Oreille	Newport, WA	1,153,000	1952	1955	42,600	42,600	NFPR	C	90	1,055
Allatoona Lake, GA	Etowah	Cartersville, GA	670,000	1950	1950	74,000	74,000	FPRW	C	190	1,250
Barkley Dam & Lake Barkley, KY & TN	Cumberland	Frاند Rivers, KY	2,082,000	1964	1966	130,000	130,000	NFPR	CE	157	9,959
Beaver Lake, AR	White	Eureka Springs, AR	1,952,000	1963	1965	112,000	112,000	FPSR	CE	228	2,575
Big Bend Dam (Lake Sharpe), SD	Missouri	Chamberlain, SD	1,859,000	1964	1964	494,320	494,320	FPRIW	E	95	10,570
Blakely Mountain Dam-Lake Ouachita	Ouachita	Mt. Pine, AR	2,768,000	1953	1956	75,000	100,000	FPRW	E	235	1,100
Bonneville L&D Lake Bonneville, OR & WA	Columbia	Bonneville, OR	537,000	1938	1938	1,145,700	1,145,700	NPR	C	122	2,690
Broken Bow Lake, OK	Mountain Fork	Broken Bow, OK	1,368,230	1968	1970	100,000	100,000	FPWSR	E	225	2,750
Buford Dam, Lanier, GA	Chattahoochee	Buford, GA	2,554,000	1956	1957	86,000	86,000	NFPW	E	192	5,400
Bull Shoals Lake AR & MO	White	Mountain Home	5,408,000	1952	1953	340,000	340,000	FPR	C	258	2,256
Clarence Cannon Dam	Salt	Perry, MO	1,428,000	1983	1985	58,000	58,000	FNPRSW	CE	138	1,700
Carters Dam, GA	Coosawatte	Carters, GA	472,756	1975	1975	500,000	500,000	FPRW	ER	450	1,950
Center Hill Lake, TN	Caney Fork	Lancaster, TN	2,092,000	1948	1951	135,000	135,000	FPR	CE	250	2,160
Cleatham L&D, TN	Cumberland	Ashland City, TN	104,000	1952	1958	36,000	36,000	NPR	C	75	801
Chief Joseph Dam, (Rufus Woods Lake), WA	Columbia	Bridgeport, WA	593,000	1955	1956	2,457,384	2,457,384	PIR	C	230	5,998
Cooper River, Charleston Harbor, SC	Santee	St. Stephen, SC	2,560,000	N/A	1985	84,000	84,000	NPW	CE	86	876
Cordell Hull L&D, TN	Cumberland	Carthage, TN	310,900	1973	1974	100,000	100,000	NPR	CE	93	1,306

APPENDIX E
Multiple-Purpose Projects Including Power
Operable September 30, 2009

Project	River	Community in Vicinity	Total Storage Capability (acre-feet) ¹	Flood Control and/or Nav. Feature Placed in Useful Operation CY	Initial Power in FY	Existing Installation (KW)	Ultimate Installation (KW)	Project Functions	Type ²	Height (feet)	Length (feet)
Cougar Lake, OR	S. Fork McKenzie	Blue River, OR	219,000	1963	1964	25,000	64,600	NFPRI	ER	445	1,738
Dale Hollow Lake, TN & KY	Obey	Celina, TN	1,706,000	1943	1949	54,000	54,000	FPR	C	200	1,717
Dardanelle L&D, AR	Arkansas	Dardanelle, AR	486,200	1969	1965	160,000	160,000	NPRW	C	68	2,683
DeGray Lake, AR	Caddo	Arkadelphia, AR	831,900	1969	1972	68,000	108,000	FNPRSW	E	243	3,400
Denison Dam (Lake Texoma), TX & OK	Red	Denison, TX	5,061,062	1944	1945	70,000	199,000	FPRSNW	E	165	17,200
Detroit Lake, OR, including Big Cliff Lake, OR	North Santiam	Mill City, OR	461,000	1953	1954	118,000	118,000	NFPRI	C	382	1,528
Dworshak Dam & Reservoir, ID	N. Fork, Clearwater	Orofino, ID	3,468,000	1972	1973	400,000	1,060,000 ⁷	PNFR	CG	717	3,287
Eufaula Lake, OK	Canadian	Eufaula, OK	3,825,400	1964	1964	90,000	90,000	FNPSRWX	E	114	3,200
Fort Gibson Lake, OK	Grand (Neosho)	Ft. Gibson, OK	1,284,400	1949	1953	45,000	67,500	FPNW	CE	110	2,990
Fort Peck Lake, MT	Missouri	Glasgow, MT	18,688,000	1940	1943	185,250	185,250	NFPRIW	E	251	21,026
Fort Randall Dam Lake	Missouri	Pickstown, SD	5,418,000	1953	1954	320,000	320,000	NFPRIW	E	165	10,700
Francis (Case), SD											
Garrison Dam (Lake Sakakawea), ND	Missouri	Riverdale, ND	23,821,000	1955	1956	583,300	583,300	NFPRIW	E	210	11,300
Gavins Point Dam (Lewis & Clark Lake), SD & NE	Missouri	Yankton, SD	470,000	1955	1956	132,300	132,300	NFPRIW	E	74	8,700
Green Peter Lake,OR, including Foster Lake, OR	Middle Santiam	Sweet Home, OR	491,000	1967	1967	100,000	100,000	PFNIR	C	340	1,380
Greers Ferry Lake, AR	Little Red	Heber Spings	2,844,000	1962	1964	96,000	96,000	FPRSW	C	243	1,704

APPENDIX E
Multiple-Purpose Projects Including Power
Operable September 30, 2009

Project	River	Community in Vicinity	Total Storage Capability (acre-feet) ¹	Flood Control and/or Nav. Feature Placed in Useful Operation CY	Initial Power in FY	Existing Installation (KW)	Ultimate Installation (KW)	Project Functions	Type ²	Height (feet)	Length (feet)
Harry S. Truman Dam & Res.	Osage	Warsaw, MO	5,202,000	1979 ³	1982	160,000	160,000	FPRWS	CE	96	5,000
Hartwell Dam & Lake, GA & SC	Savannah	Hartwell, GA	2,842,700	1961	1962	422,000	422,000	FPRSW	CE	204	17,880
Hills Creek Lake, OR	Middle Fork Wilamette	Oakridge, OR	356,000	1961	1962	30,000	30,000	NFPRI	GE	338	2,150
Ice Harbor L&D (Lake Sacajawea), WA	Snake	Pasco, WA	417,000	1961	1961	603,000	603,000	NPRI	CG	130	2,822
J. Percy Priest Dam & Reservoir, TN	Stones	Nashville, TN	652,000	1967	1970	28,000	28,000	FPRW	CE	147	2,716
J. Strom Thurmond Dam & Lake GA & SC ⁶	Savannah	Augusta, GA	2,900,000	1952	1953	364,000	364,000	FPRSW	CE	200	5,680
Jim Woodruff Dam (Lake Seminole), FL, GA & AL	Appalachicola	Chattahoochee, FL	367,300	1957	1957	30,000	30,000	NPRW	CE	67	6,150
John Day L&D (Lake Umatilla), OR & WA	Columbia	Rufus, OR	2,500,000	1968	1969	2,160,000	2,700,000	NPRFI	CE	161	5,900
John H. Kerr Dam & Reservoir, NC& VA	Roanoke	Boydton, VA	2,750,300	1952	1953	204,000	204,000	FPRWS	CE	144	22,285
Keystone Lake, OK	Arkansas	Tulsa, OK	1,672,613	1964	1968	70,000	70,000	FNPWSR	E	121	4,600
Lake Greeson, AR	Little Missouri	Murfreesboro, AR	407,900	1949	1950	25,500	25,500	FPRWS	C	183.5	941
Laurel River, KY	Laurel	London, KY	435,600	1973	1978	61,000	61,000	FPRW	R	282	1,420
Libby Dam, Lake Kootenai, MT	Kootenai	Libby, MT	5,809,000	1972	1975	525,000	840,000	FPR	C	420	3,055
Little Goose L&D (Lake Bryan), WA	Snake	Starbuck, WA	565,200	1970	1970	810,000	810,000	NPRI	CG	165	2,655
Lookout Point Lake including Dexter Lake, OR	Middle Fork	Lowell, OR	483,000	1954	1955	135,000	135,000	NFPRI	CE	258	3,381

APPENDIX E
Multiple-Purpose Projects Including Power
Operable September 30, 2009

Project	River	Community in Vicinity	Total Storage Capability (acre-feet) ¹	Flood Control and/or Nav. Feature Placed in Useful Operation CY	Initial Power in FY	Existing Installation (KW)	Ultimate Installation (KW)	Project Functions	Type ²	Height (feet)	Length (feet)
Lost Creek Lake, OR	Rogue	Trail, OR	465,000	1977	1977	49,000	49,000	DFPISWR	CE	327	3,750
Lower Granite L&D, WA	Snake	Pomeroy, WA	483,800	1975	1975	810,000	810,000	NPRIF	CG	146	3,200
Lower Monumental L&D (Lake Herbert G. West), WA	Snake	Kahlotus, WA	376,000	1969	1969	810,000	810,000	NPRI	CG	135	3,791
McNary L&D OR & WA	Columbia	Umatilla, OR	1,350,000	1953	1954	980,000	980,000	NPRI	CG	183	7,365
Millers Ferry L&D, AL	Alabama	Camden, AL	331,8090	1969	1979	75,000	75,000	NPRW	CE	90	11,380
Mississippi Delta Region, LA (Caernarvon Freshwater Diversion)	Mississippi	Braithwaite, LA		1991				W	CE	38.5	371
Nanpil River Hydropower, Pohnpei, FSM	Nanpil River	Pohnpei, FSM		1987	1988	2,000	2,000	P	C	17	70
New Melones Lake, CA ⁴	Stanislaus	Oakdale, CA	2,400,000	1978	1979	300,000	300,000	FIPRW	ER	625	1,560
Norfork Lake, AR & MO	North Fork	Norfolk, AR	1,983,000	1943	1944	80,550	163,000	FPRS	C	216	2,624
Oahe Dam (Lake Oahe), SD & ND	Missouri	Pierre, SD	23,137,000	1962	1962	786,030	786,030	NFPRIW	E	245	9,300
Old Hickory L&D, TN	Cumberland	Hendersonville, TN	545,000	1954	1957	100,000	100,000	NPR	CE	98	3,605
Ozark-Jeta Taylor L&D, AR	Arkansas	Ozark, AR	148,400	1969	1973	100,000	100,000	NPRW	C	58	2,480
Philpott Lake, VA	Roanoke	Bassett, VA	318,500	1951	1954	14,000	14,000	FPR	C	220	892
Robert F. Henry L&D, AL	Alabama	Benton, AL	234,200	1972	1975	68,000	68,000	NPRW	CE	101	14,962

APPENDIX E
Multiple-Purpose Projects Including Power
Operable September 30, 2009

Project	River	Community in Vicinity	Total Storage Capability (acre-feet) ¹	Flood Control and/or Nav. Feature Placed in Useful Operation CY	Initial Power in FY	Existing Installation (KW)	Ultimate Installation (KW)	Project Functions	Type ²	Height (feet)	Length (feet)
Robert S. Kerr L&D and Reservoir, OK	Arkansas	Sallisaw, OK	525,700	1970	1971	110,000	110,000	NPRW	E	75	7,230
Sam Rayburn Dam & Reservoir, TX	Angelina	Jasper, TX	3,997,600	1965	1966	52,000	52,000	FPWR	CE	120	19,430
St. Mary's Riv, MI	Great Lakes	Sault Ste. Marie	---	1855	1952	18,400	18,400	NPR		Control Gate	
Snettisham, AK ⁵	Speel	Juneau, AK	352,400		1973	73,700	73,700	P	C ⁶	18	338
Stockton Lake, MO	Sac	Stockton, MO	1,674,000	1969	1973	45,200	45,200	FPRWS	CEG	128	5,100
Table Rock Lake, AR & MO	White	Branson, MO	3,462,000	1958	1959	200,000	200,000	FPRSW	CE	252	6,423
Tenkiller Lake, OK	Illinois	Gore, OK	1,230,800	1952	1953	39,100	39,100	FPSWRN	E	197	3,000
The Dalles L&D (Lake Celilo), WA & OR	Columbia	The Dalles, OR	53,000	1957	1957	1,806,800	1,806,800	NPR	CR	300	8,700
Walter F. George L&D, GA & FL	Chattahooche	Fort Gaines, GA	934,000	1963	1963	130,000	130,000	NPRW	CE	114	13,585
Webbers Falls L&D, OK	Arkansas	Wevbbbers Falls, OK	170,100	1970	1973	60,000	60,000	NPRW	E	87	4,370
West Point Lake, AL & GA	Chattahooche	West Point, GA	604,500	1975	1975	73,375	108,375	FPRW	CE	97	7,250
Whitney Lake, TX	Brazos	Whitney, TX	1,999,500	1953	1954	30,000	30,000	FPR	CE	159	17,695
Wolf Creek Dam (Lake Cumberland), KY	Cumberland	Jamestown, KY	6,089,000	1950	1952	270,000	270,000	FPR	CE	258	5,736

APPENDIX E
Multiple-Purpose Projects Including Power
Operable September 30, 2009

NOMENCLATURE FOR PROJECT FUNCTIONS

D - Debris Control
F - Flood Control
I - Irrigation
N - Navigation

P - Power
R - Public Recreation Annual Attendance exceeding 5,000
S - Water Supply
W - Fish & Wildlife (Federal Or State)

- ¹ Total of all storage functions, including inactive and dead storage to normal full pool
- ² G: gravel; R: rock; C: concrete; E: earth
- ³ All six units have successfully generated power; however, repairs and modifications have been required on all units. Units 2, 3, 4, 5 and 6 fully repaired and operational. Repairs to remaining unit No. 1 will be completed in FY 99.
- ⁴ Being operated for the Department of Interior by the Bureau of Reclamation
- ⁵ Being operated by the Alaska Power Administration
- ⁶ Formerly Clarks Hill Lake
- ⁷ Units 5 and 6 were deauthorized in 1990.

APPENDIX F
Multiple-Purpose Projects Including Power
Under Construction September 30, 2009

Project	Fiscal Year Started	Scheduled For Operation	Scheduled For Completion	Nameplate Capacity		
				Scheduled Functions	Ultimate Installation	Installation
Columbia River Treaty Fishing Sites, OR	1994	N/A	2011	W	N/A	N/A
Garrison Dam & Powerplant, ND (Maj Rehab)	1997	2007	2012	P/F/N/I	583,300	517,750
John H. Kerr, VA & NC (Maj Rehab)	2000	2011	2011	FFRPSW	294,300	204,000
Mississippi Delta Region, LA (Davis Pond Freshwater Diversion)	1996	2002	2010	I/W	N/A	N/A
New Melones Lake, CA ¹	1966	1979	Indefinite	DFIPRW	300,000	300,000
Pierre, SD	1999	2006	2006	F	N/A	N/A
Richard B. Russell Dam and Lake, Savannah River, GA and SC	1975	1985	2004	FRPW	600,000	600,000

KEY

D	- Redevelopment	F	- Flood Control	I	- Irrigation	N	- Navigation
P	- Power	R	- Recreation	S	- Water Supply	W	- Fish & Wildlife

¹ New Melones Lake was turned over to the Bureau of Reclamation for operation on November 20, 1979. Corps retains responsibility for facilities along the lower Stanislaus River. Remaining construction consists of unscheduled recreation facilities and minor feature closeouts.

Appendix G

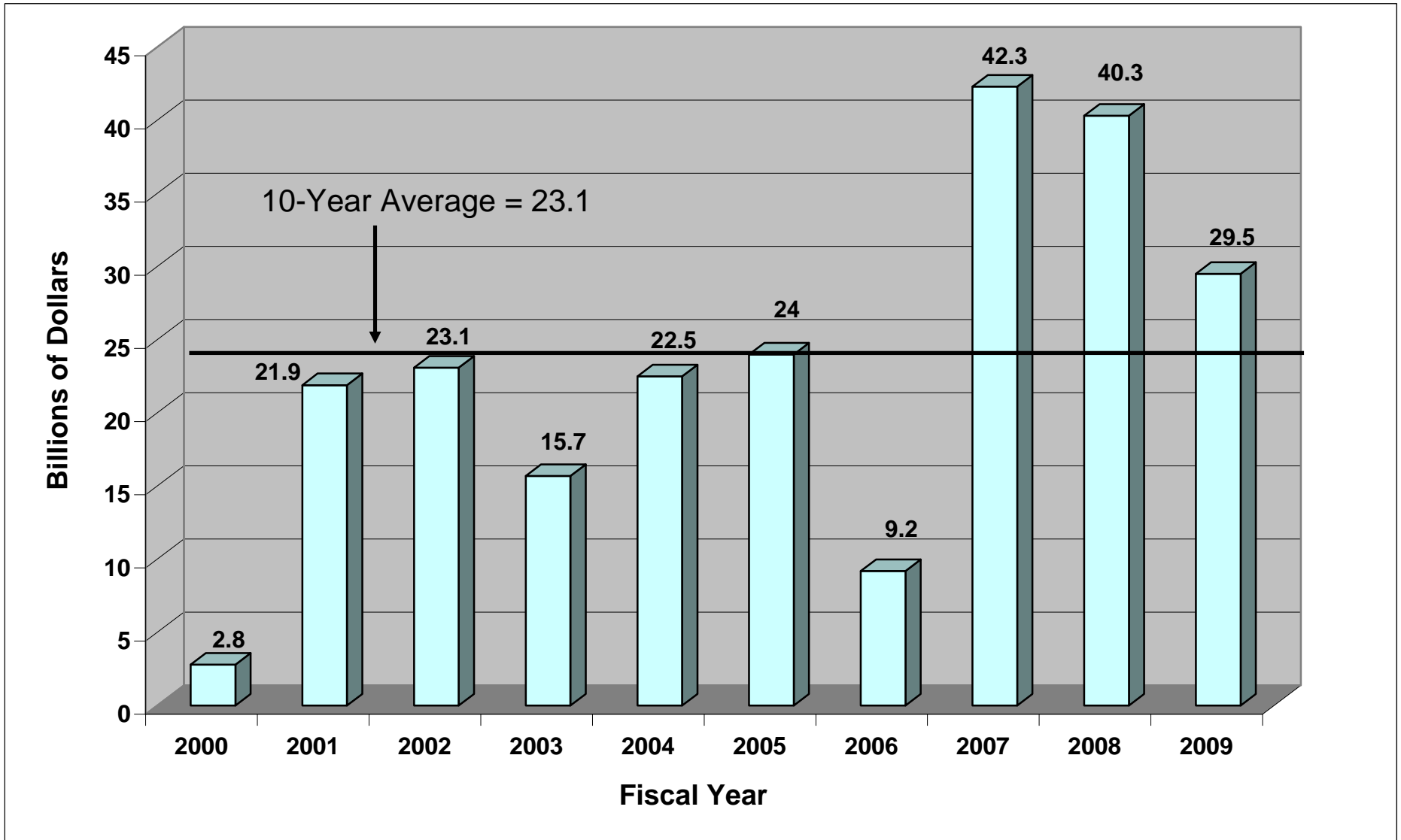
ANNUAL FLOOD DAMAGE REDUCTION REPORT Provided by CECW-CE (Hydrology & Hydraulics Community of Practice)

	Page Number
• FIGURES	
Figure 1 -- Flood Damage Reduction	G-3
Figure 2 -- Potential Flood Damages	G-4
Figure 3 -- Flood Related Lives Lost	G-5
Figure 4 -- Continental U.S. River Basins (For Use With Table 6)	G-6
Figure 5 -- Benefits and Accumulated Expenditures	G-7
Figure 6 -- Atlantic Tropical Cyclones	G-8
• TABLES	
Table 1 -- Flood Damages Prevented, By State in Fiscal Year 2009	G-10
Table 2 -- Total Damages Suffered, By State in Fiscal Year 2009	G-12
Table 3 -- Flood Damage Reduction, Fiscal Years 2000-2009	G-14
Table 4 -- Total Damages Suffered, By State in Fiscal Years 2000-2009	G-16
Table 5 -- Total Lives Lost, By State in Fiscal Years 2000-2009	G-18
Table 6 -- Regional Distribution, Flood Damages Prevented	G-20
Table 7 -- Atlantic Ocean Tropical Cyclones and Their Effects	G-21

FIGURES

FIGURE 1

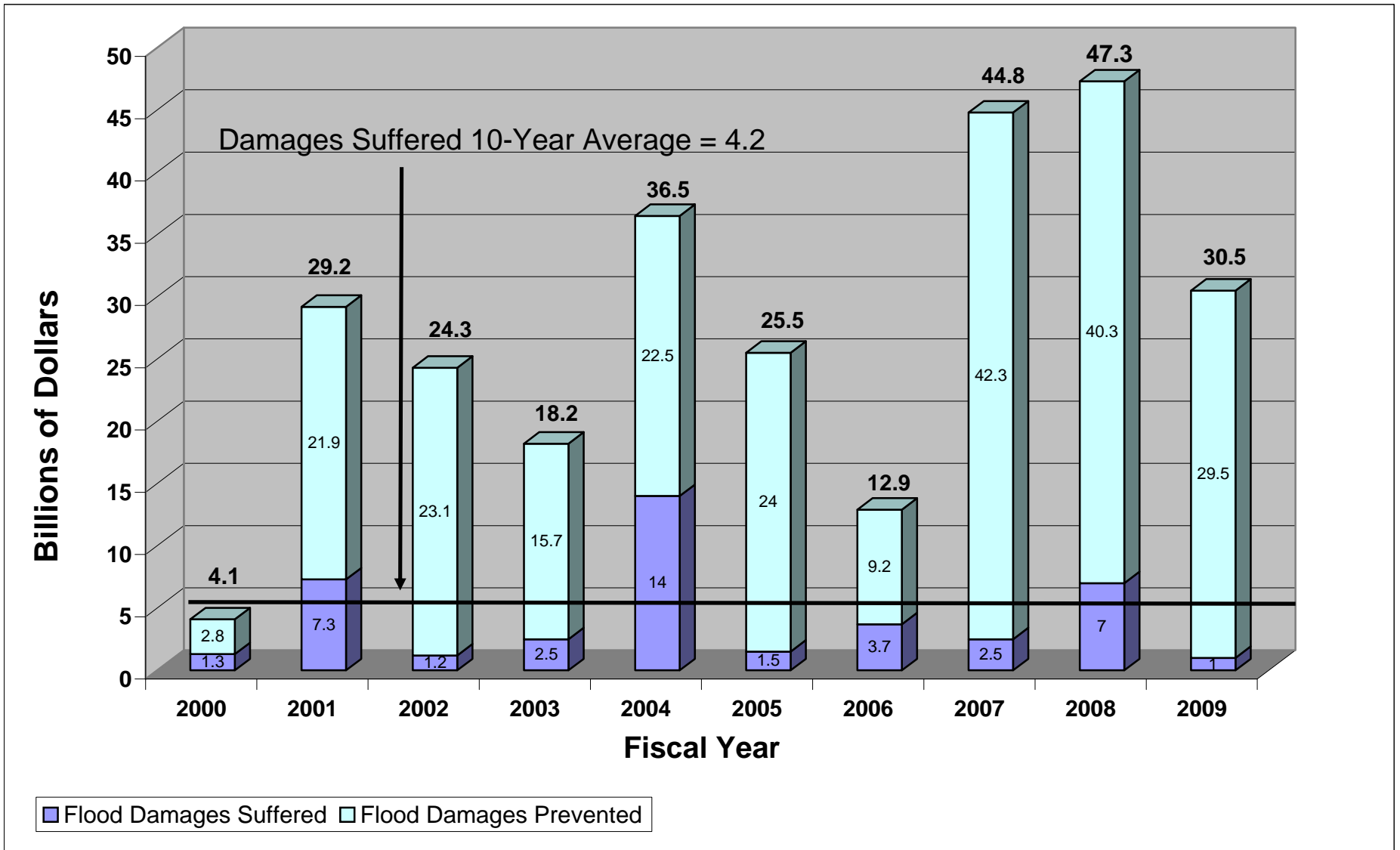
Flood Damage Reduction



Flood Damages Prevented in the U.S.A. by the U.S. Army Corps of Engineers

FIGURE 2

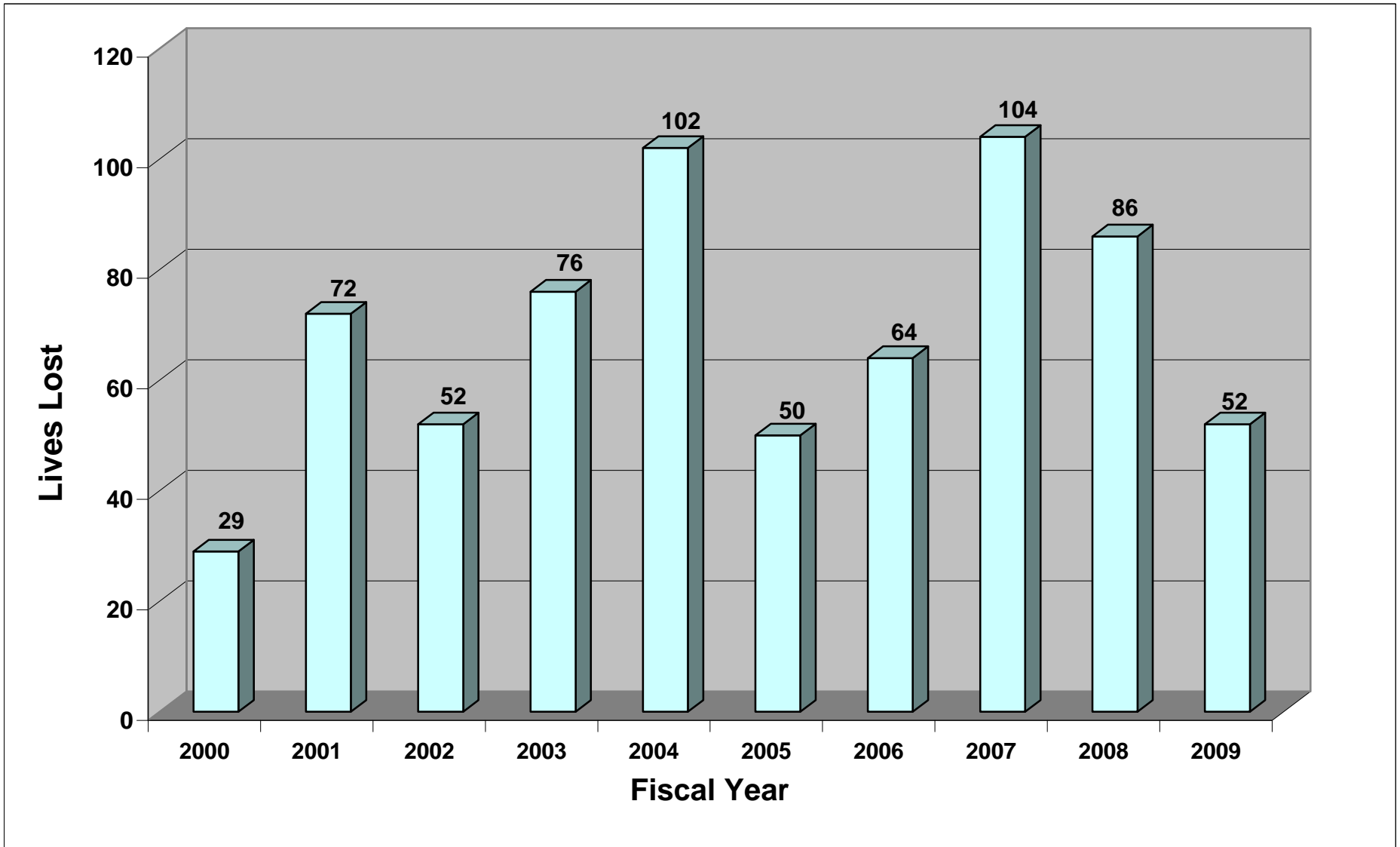
Potential Flood Damages



*2005 Value does not include floods losses due to hurricanes Katrina and Rita.

FIGURE 3

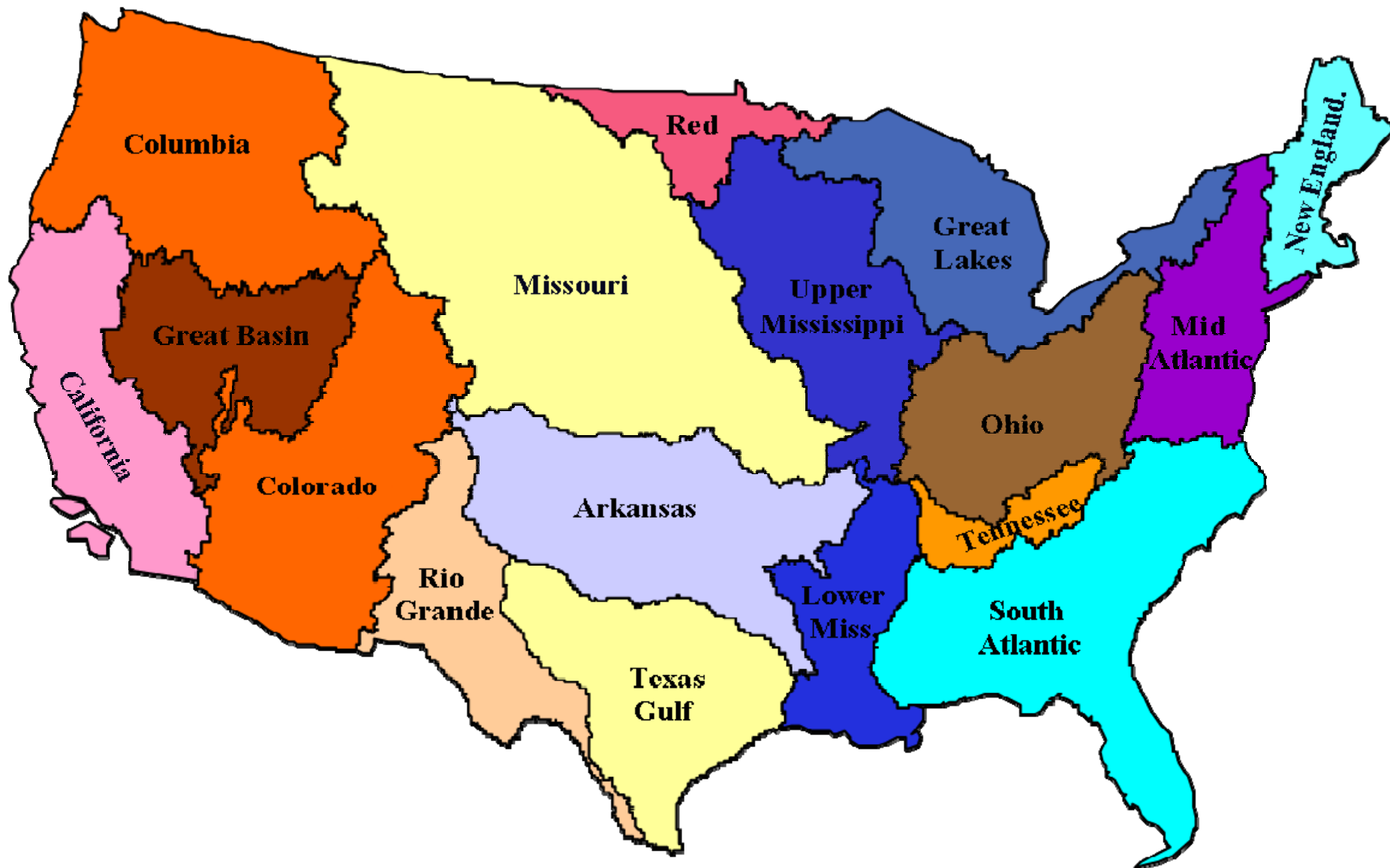
Flood Related Lives Lost



* 2005 value does not include flood losses due to hurricanes Katrina and Rita

FIGURE 4

Continental U.S. River Basins



For Use with Table 6
G-6

FIGURE 5

Benefits of Federal Projects (Damages Prevented) Accumulative Corps Expenditures (Principle plus O&M)

Adjusted to 2000 Using Construction Cost Index EM 1110-2-1304 (31 Mar 2010 revision)

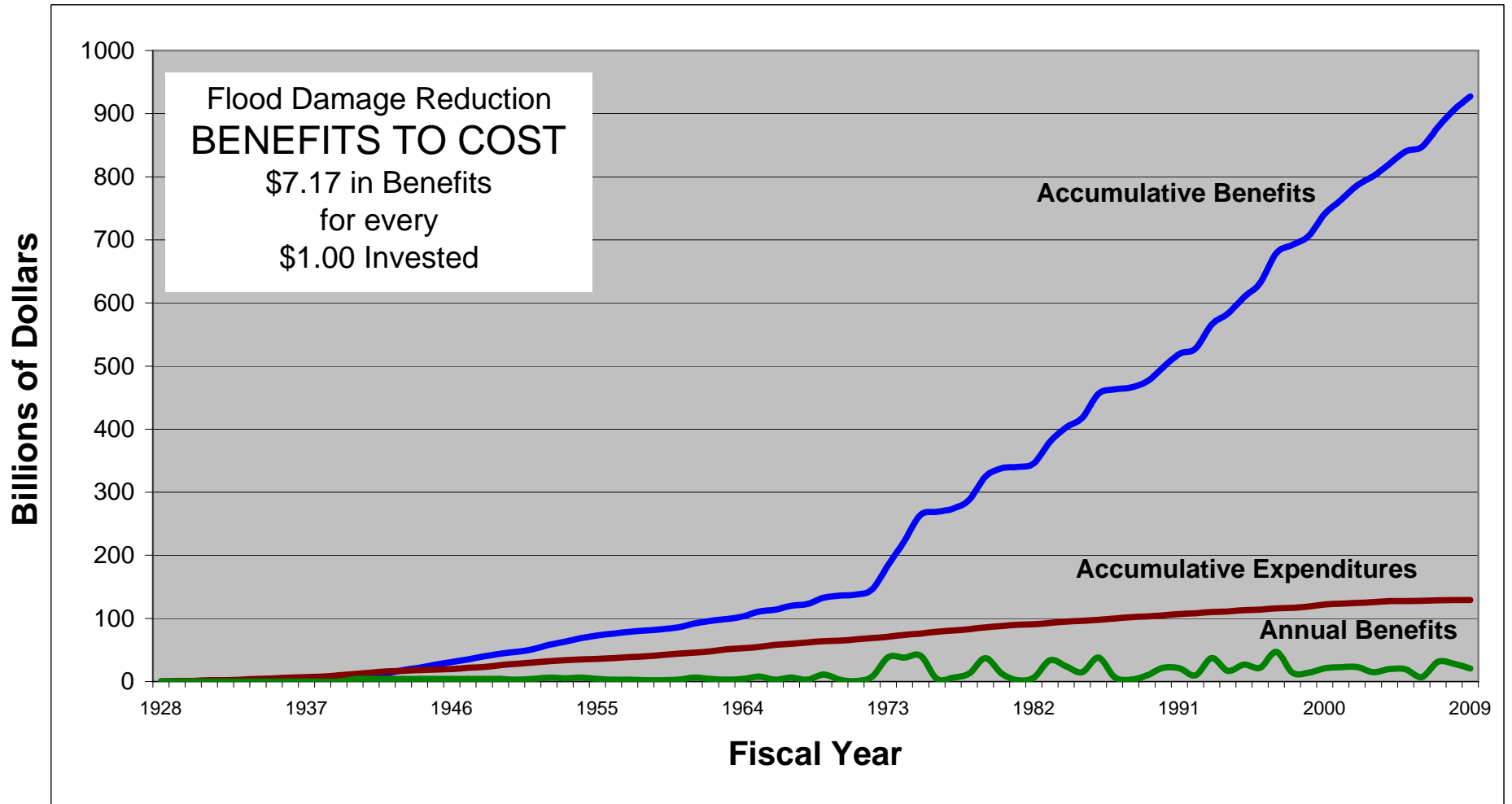
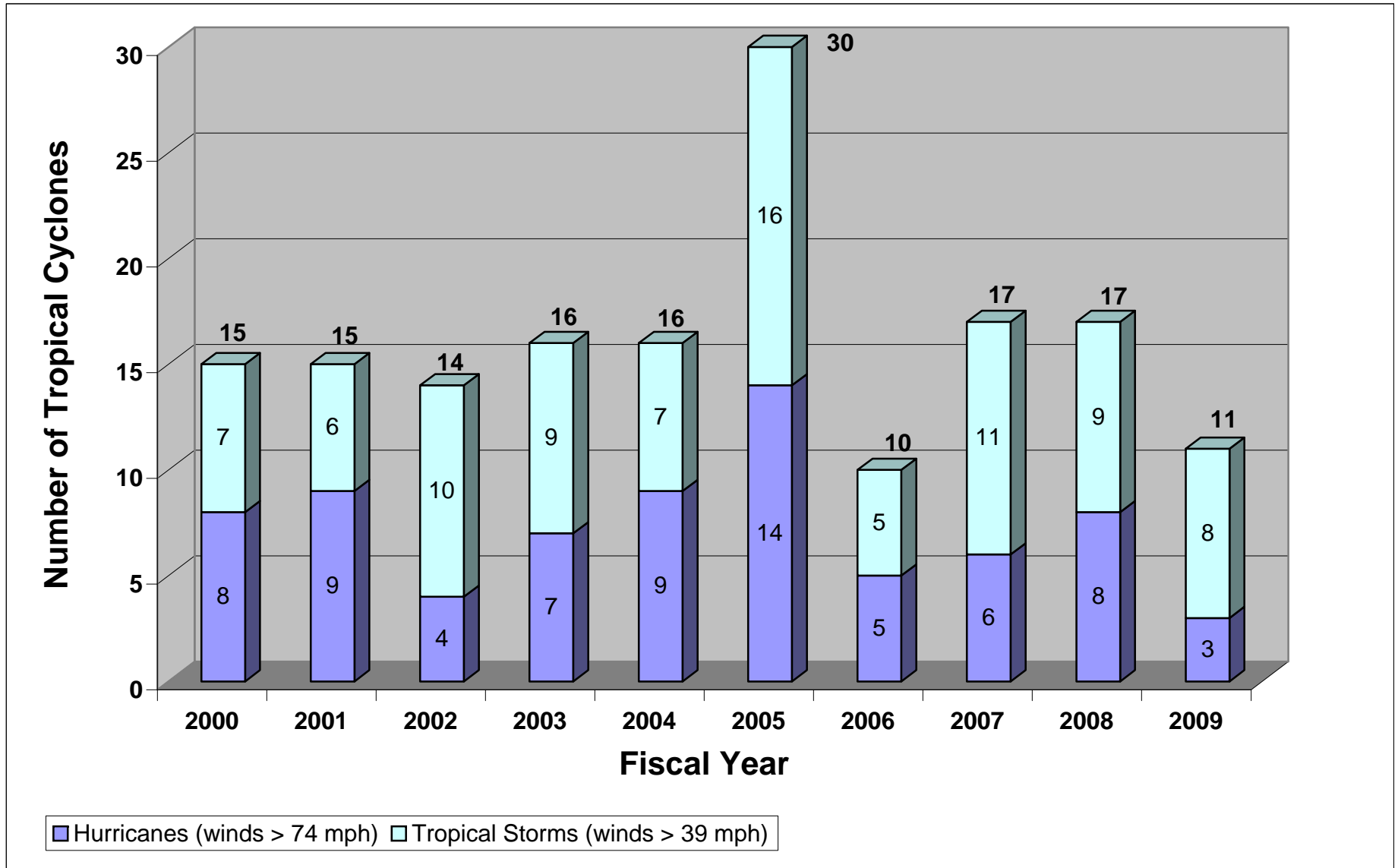


FIGURE 6

Atlantic Tropical Cyclones



TABLES

TABLE 1

FLOOD DAMAGE REDUCTION BY STATE (THOUSANDS OF DOLLARS) During Fiscal Year 2009						
Location	Reduction by Corps Supported Reservoirs	Reduction by Corps Levees	Reduction by Corps Supported Emergency Operations	Total Flood Damage Reduction by the Corps of Engineers	Average Damage Reduction FY2000-2009	Comparison of 2009 Totals to 10- Year Average (FY2000-2009) *
ALABAMA	0	0	0	0	0	Medium
ALASKA	10	0	0	10	2,531	Low
ARIZONA	0	0	0	0	16,751	Low
ARKANSAS	107,731	1,402,460	1,831	1,512,022	898,624	Medium
CALIFORNIA	410,953	69,624	0	480,577	932,494	Medium
COLORADO	201	0	0	201	2,206	Low
CONNECTICUT	22,752	6,987	0	29,739	99,840	Low
DELAWARE	0	0	0	0	0	Medium
FLORIDA	0	37,175	0	37,175	38,238	Medium
GEORGIA	165,528	0	0	165,528	332,491	Low
GUAM & AMERICAN SAMOA	0	0	0	0	290	Low
HAWAII	0	14,824	0	14,824	19,390	Medium
IDAHO	273,987	3,564	0	277,551	148,812	Medium
ILLINOIS	86,229	382,955	0	469,184	321,410	Medium
INDIANA	200,818	169,170	0	369,988	200,960	Medium
IOWA	184,581	89,958	125	274,664	265,664	Medium
KANSAS	164,208	80,486	575	245,269	158,977	Medium
KENTUCKY	155,224	38,898	0	194,122	153,864	Medium
LOUISIANA	22,965	3,209,100	0	3,232,066	7,451,872	Low
MAINE	0	655	0	655	1,577	Low
MARYLAND & DC	0	133	0	133	2,830	Low
MASSACHUSETTS	18,866	31,169	0	50,035	90,669	Medium
MICHIGAN	0	5,507	0	5,507	4,508	Medium
MINNESOTA	119,178	102,226	157,976	379,380	96,946	High
MISSISSIPPI	5,055	2,383,678	0	2,388,733	926,875	High
MISSOURI	4,138,699	38,897	1,325	4,178,921	1,478,176	High
MONTANA	39,198	40	0	39,238	19,814	Medium
N. CAROLINA	9,379	2,585	0	11,964	1,403,418	Low
N. DAKOTA	1,569,844	427,430	2,655,150	4,652,424	533,799	Very High
NEBRASKA	140,901	56,860	0	197,761	47,614	High

TABLE 1

FLOOD DAMAGE REDUCTION BY STATE (THOUSANDS OF DOLLARS) During Fiscal Year 2009						
Location	Reduction by Corps Supported Reservoirs	Reduction by Corps Levees	Reduction by Corps Supported Emergency Operations	Total Flood Damage Reduction by the Corps of Engineers	Average Damage Reduction FY2000-2009	Comparison of 2009 Totals to 10- Year Average (FY2000-2009) *
NEVADA	0	0	0	0	4,807	Low
NEW HAMPSHIRE	0	0	0	0	5,751	Low
NEW JERSEY	0	13,685	2,700	16,385	20,227	Medium
NEW MEXICO	85,373	31,198	0	116,571	44,938	High
NEW YORK	140,965	82,130	46	223,142	309,055	Medium
OHIO	78,592	17,522	44	96,158	547,104	Low
OKLAHOMA	192,901	0	0	192,901	177,011	Medium
OREGON	836,088	214,555	0	1,050,643	597,686	Medium
PENNSYLVANIA	15,097	27,882	0	42,979	444,342	Low
PUERTO RICO & VIRGIN ISLANDS	0	0	0	0	3,555	Low
RHODE ISLAND	2,424	11,615	0	14,039	8,410	Medium
S. CAROLINA	3,841	931	0	4,772	104,867	Low
S. DAKOTA	8,502	5,763	5,318	19,583	3,215	Very High
TENNESSEE	73,803	2,259	0	76,062	39,988	Medium
TEXAS	3,363,301	108,831	0	3,472,132	3,502,619	Medium
UTAH	59,459	0	0	59,459	10,226	Very High
VERMONT	5,169	247	0	5,416	10,197	Medium
VIRGINIA	1,195	111	0	1,306	297,307	Low
W. VIRGINIA	57,392	3,558	0	60,950	177,444	Low
WASHINGTON	4,178,699	435,989	4,900	4,619,588	1,108,341	High
WISCONSON	0	23	0	23	608	Low
WYOMING	62,293	125,966	0	188,259	50,651	High
Totals	17,001,401	9,636,646	2,829,990	29,468,039	23,118,989	
FY 2009 Damages Prevented in the U.S. = 127% of the 10-year (2000-2009) Average						
* LEGEND:	Low = Less than 1/2 average.		High = Twice to five times average.			
	Medium = 1/2 to twice average.		Very High = More than five times average.			

TABLE 2

TOTAL DAMAGES SUFFERED							
BY STATE (THOUSANDS OF DOLLARS) During Fiscal Year 2009							
Location	Damages Suffered	Damage Reduction	Potential Damages	Percent Damages Reduced FY2009	Average Damages Suffered (FY2000-2009)	Lives Lost FY2009	Lives Lost (FY2000-2009)
ALABAMA	11,831	0	11,831	0	114,559	3	6
ALASKA	28,770	10	28,780	0	14,258	0	0
ARIZONA	3,458	0	3,458	0	6,005	0	39
ARKANSAS	17,560	1,512,022	1,529,582	98.9	51,415	4	17
CALIFORNIA	1,905	480,577	482,482	99.6	148,155	1	37
COLORADO	926	201	1,127	17.8	3,042	0	4
CONNECTICUT	2,156	29,739	31,895	93.2	1,805	0	4
DELAWARE	0	0	0		5,158	0	0
FLORIDA	73,013	37,175	110,188	33.7	1,301,442	2	13
GEORGIA	256,810	165,528	422,338	39.2	47,022	10	15
GUAM & AMERICAN SAMOA	0	0	0		5,333	0	3
HAWAII	5,267	14,824	20,091	73.8	15,921	0	15
IDAHO	1,553	277,551	279,104	99.4	1,243	1	1
ILLINOIS	10,023	469,184	479,207	97.9	28,907	3	16
INDIANA	8,100	369,988	378,088	97.9	176,220	0	31
IOWA	18,627	274,664	293,291	93.6	289,898	0	10
KANSAS	9,501	245,269	254,770	96.3	37,379	4	15
KENTUCKY	47,691	194,122	241,813	80.3	24,386	1	20
LOUISIANA	1,744	3,232,066	3,233,810	99.9	111,210	0	2
MAINE	3,021	655	3,676	17.8	9,828	0	0
MARYLAND & DC	370	133	503	26.4	4,387	0	10
MASSACHUSETTS	355	50,035	50,390	99.3	3,998	0	2
MICHIGAN	48,725	5,507	54,232	10.2	28,621	0	7
MINNESOTA	3,903	379,380	383,283	99	83,447	0	15
MISSISSIPPI	9,576	2,388,733	2,398,309	99.6	43,295	1	10
MISSOURI	995	4,178,921	4,179,916	100	33,248	1	38
MONTANA	23	39,238	39,261	99.9	818	0	0
N. CAROLINA	6,873	11,964	18,837	63.5	35,688	2	19
N. DAKOTA	76,520	4,652,424	4,728,944	98.4	35,144	0	3
NEBRASKA	622	197,761	198,383	99.7	14,693	0	2

TABLE 2

TOTAL DAMAGES SUFFERED BY STATE (THOUSANDS OF DOLLARS) During Fiscal Year 2009							
Location	Damages Suffered	Damage Reduction	Potential Damages	Percent Damages Reduced FY2009	Average Damages Suffered (FY2000-2009)	Lives Lost FY2009	Lives Lost (FY2000-2009)
NEVADA	35	0	35	0	4,973	0	1
NEW HAMPSHIRE	920	0	920	0	4,652	0	5
NEW JERSEY	5,290	16,385	21,675	75.6	50,746	0	2
NEW MEXICO	813	116,571	117,384	99.3	5,127	1	10
NEW YORK	96,306	223,142	319,448	69.9	143,558	1	26
OHIO	4,651	96,158	100,809	95.4	139,805	1	21
OKLAHOMA	825	192,901	193,726	99.6	6,245	1	13
OREGON	4,125	1,050,643	1,054,768	99.6	15,707	1	3
PENNSYLVANIA	32,945	42,979	75,924	56.6	134,661	0	19
PUERTO RICO & VIRGIN ISLANDS	225	0	225	0	54,222	1	25
RHODE ISLAND	107	14,039	14,146	99.2	517	0	0
S. CAROLINA	434	4,772	5,206	91.7	6,729	0	1
S. DAKOTA	1,075	19,583	20,658	94.8	9,002	0	0
TENNESSEE	11,801	76,062	87,863	86.6	8,926	3	22
TEXAS	43,097	3,472,132	3,515,229	98.8	661,167	10	136
UTAH	200	59,459	59,659	99.7	31,639	0	6
VERMONT	528	5,416	5,944	91.1	2,433	0	0
VIRGINIA	1,363	1,306	2,669	48.9	25,409	0	17
W. VIRGINIA	69,309	60,950	130,259	46.8	69,227	0	16
WASHINGTON	41,816	4,619,588	4,661,404	99.1	27,490	0	8
WISCONSON	28,636	23	28,659	0.1	127,441	0	2
WYOMING	5,607	188,259	193,866	97.1	1,012	0	0
Totals	1,000,026	29,468,039	30,468,065	96.7	4,207,213	52	687
Average				69.7			

TABLE 3

FLOOD DAMAGE REDUCTION											
BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Avg
ALABAMA	0	0	0	0	0	0	0	0	0	0	0
ALASKA	200	0	100	11,000	0	0	0	0	14,000	10	2,531
ARIZONA	0	1,820	0	3,764	0	141,429	2,968	184	17,346	0	16,751
ARKANSAS	33,729	690,579	1,098,615	840,241	395,428	1,233,587	15,582	253,472	2,912,989	1,512,022	898,624
CALIFORNIA	339,137	814,454	144,655	1,046,278	1,023,695	3,772,561	725,005	24,506	954,068	480,577	932,494
COLORADO	0	0	0	0	0	1,502	20,159	0	199	201	2,206
CONNECTICUT	375	37,364	83	24,268	116,333	53,911	338,394	344,831	53,101	29,739	99,840
DELAWARE	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	52,102	58,849	6,535	44,686	44,686	44,981	13,045	0	80,318	37,175	38,238
GEORGIA	0	0	25	62,969	19,344	17,824	959	3,058,122	143	165,528	332,491
GUAM & AS	0	0	0	0	2,844	0	57	0	0	0	290
HAWAII	0	14,197	2,598	546	4,612	20,651	23,134	44,965	68,369	14,824	19,390
IDAHO	33,716	16,797	108,293	162,411	8,546	103,499	518,946	3,616	254,742	277,551	148,812
ILLINOIS	32,631	690,197	388,843	62,703	77,314	41,854	62,161	80,476	1,308,741	469,184	321,410
INDIANA	21,697	30,700	136,684	255,871	210,735	263,433	37,000	148,189	535,298	369,988	200,960
IOWA	5,480	413,414	8,654	31,232	98,297	33,022	2,590	164,824	1,624,466	274,664	265,664
KANSAS	18,947	205,117	10,715	15,462	69,422	143,411	77,118	604,165	200,143	245,269	158,977
KENTUCKY	14,538	18,287	183,202	400,568	222,427	186,156	66,889	177,882	74,573	194,122	153,864
LOUISIANA	1,292	12,149,905	14,778,361	7,548,127	8,041,393	12,456,382	983	53,077	16,257,133	3,232,066	7,451,872
MAINE	0	0	0	0	0	0	0	0	15,117	655	1,577
MARYLAND & DC	1,584	26	39	23,430	666	2,169	18	124	115	133	2,830
MASSACHUSETTS	5,746	50,709	4,031	19,943	39,568	63,465	457,696	172,032	43,466	50,035	90,669
MICHIGAN	2,160	8,913	391	0	12,946	12,490	892	688	1,094	5,507	4,508
MINNESOTA	9,058	278,971	17,791	25,820	41,130	12,002	75,825	111,188	18,298	379,380	96,946
MISSISSIPPI	4,420	1,049,972	1,451,781	1,421,332	42,890	11,448	5,891	31,938	2,860,341	2,388,733	926,875
MISSOURI	11,620	318,302	361,877	181,779	38,338	117,019	15,730	4,252,812	5,305,362	4,178,921	1,478,176
MONTANA	2,329	948	12,267	10,796	78	23,715	34,202	12,513	62,052	39,238	19,814
N. CAROLINA	556	9,635	2	102,851	21,307	2,912	11,468	13,851,800	21,689	11,964	1,403,418
N. DAKOTA	12,139	147,576	7,689	27,229	64,093	61,191	232,686	40,447	92,520	4,652,424	533,799
NEBRASKA	2,869	19,466	2,087	19,951	5,077	36,867	3,585	45,424	143,050	197,761	47,614

TABLE 3

FLOOD DAMAGE REDUCTION BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Avg
NEVADA	1,400	830	0	2,835	0	28,372	2,236	138	12,261	0	4,807
NEW HAMPSHIRE	0	703	0	200	1,155	1,160	45,901	8,162	231	0	5,751
NEW JERSEY	2,720	11,166	3,591	16,288	11,842	6,582	7,873	89,631	36,196	16,385	20,227
NEW MEXICO	50,076	983	311	65	20,575	197,010	46,195	14,019	3,568	116,571	44,938
NEW YORK	71,549	55,930	41,803	173,898	554,669	533,551	687,162	448,746	300,098	223,142	309,055
OHIO	93,672	61,978	50,572	234,356	1,416,060	1,157,358	957,030	435,996	967,858	96,158	547,104
OKLAHOMA	72,130	58,356	65,888	65,074	74,529	127,483	22,667	599,697	491,389	192,901	177,011
OREGON	945,434	44,139	210,830	228,492	1,034,917	174,523	1,759,400	191,139	337,338	1,050,643	597,686
PENNSYLVANIA	50,716	6,885	8,912	26,882	2,962,953	477,397	643,263	115,904	107,530	42,979	444,342
PUERTO RICO & VI	0	23,000	0	0	0	35	3,200	0	9,316	0	3,555
RHODE ISLAND	0	3,539	0	0	4,425	4,204	50,741	1,578	5,577	14,039	8,410
S. CAROLINA	0	0	0	8,526	8,295	6,283	1,165	1,019,374	259	4,772	104,867
S. DAKOTA	457	852	457	585	580	8	668	832	8,132	19,583	3,215
TENNESSEE	0	2,080	70,315	103,117	50,183	59,010	984	3,359	34,773	76,062	39,988
TEXAS	557,632	4,478,517	3,665,951	1,331,919	4,700,356	1,809,532	956,755	9,963,287	4,090,109	3,472,132	3,502,619
UTAH	0	7,573	0	7,440	0	7,609	7,535	0	12,641	59,459	10,226
VERMONT	9,917	2,523	3,503	3,060	14,534	5,586	17,244	21,671	18,518	5,416	10,197
VIRGINIA	7,836	132	4,912	364,666	42,736	1,422	2,722	2,544,669	2,671	1,306	297,307
W. VIRGINIA	79,348	20,823	13,943	451,313	711,436	217,520	88,354	52,528	78,227	60,950	177,444
WASHINGTON	212,441	72,022	265,150	339,452	235,042	266,875	1,081,508	3,331,874	659,458	4,619,588	1,108,341
WISCONSON	17	4,017	187	992	147	28	0	22	647	23	608
WYOMING	569	1,587	1,585	16,113	22,939	55,278	57,530	4,307	158,347	188,259	50,651
Totals	2,762,239	21,883,833	23,133,228	15,718,530	22,468,542	23,994,307	9,183,116	42,324,208	40,253,877	29,468,038	23,118,992

TABLE 4

FLOOD DAMAGES SUFFERED BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Avg
ALABAMA	3,087	1,645	7,220	1,016,936	101,004	3,042	35	287	505	11,831	114,559
ALASKA	110	702	11,110	23,760	3,419	1,564	25,072	43,200	4,869	28,770	14,258
ARIZONA	90	13,659	163	1,054	2,071	6,481	5,010	15,101	12,962	3,458	6,005
ARKANSAS	2,773	689	135,762	3,780	11,662	113,551	2,335	2,850	223,188	17,560	51,415
CALIFORNIA	9,238	5,055	646	6,763	33,790	410,509	996,151	673	16,821	1,905	148,155
COLORADO	297	1,242	1,436	3,604	805	565	15,700	4,932	910	926	3,042
CONNECTICUT	6,010	237	0	70	0	25	6,020	802	2,734	2,156	1,805
DELAWARE	0	1,100	0	33,850	15,625	0	1,000	0	0	0	5,158
FLORIDA	499,080	1,023,900	1,910	22,810	11,204,181	8,763	3,361	137	177,262	73,013	1,301,442
GEORGIA	2,101	3,431	1,545	32,286	152,411	20,917	300	0	418	256,810	47,022
GUAM & AS	650	250	555	51,060	295	10	10	0	500	0	5,333
HAWAII	400	70,000	2,820	168	550	80,000	0	0	0	5,267	15,921
IDAHO	85	0	1,215	85	557	6,227	395	2,000	311	1,553	1,243
ILLINOIS	3,113	44,040	10,271	46,094	709	2,559	4,874	18,038	149,352	10,023	28,907
INDIANA	819	110	11,114	269,380	3,855	12,662	3,162	6,474	1,446,524	8,100	176,220
IOWA	14,877	33,250	10,490	10,882	35,826	6,868	812	57,604	2,709,741	18,627	289,898
KANSAS	250	2,635	2,620	12,399	4,960	12,796	17,116	268,285	43,227	9,501	37,379
KENTUCKY	17,631	17,986	38,376	32,995	59,726	6,668	18,499	685	3,606	47,691	24,386
LOUISIANA	153	30,219	878	9,500	6,667	1,021	632	651,927	409,362	1,744	111,210
MAINE	2,814	66	0	300	100	5,938	10,348	47,788	27,900	3,021	9,828
MARYLAND & DC	2,452	3,460	505	640	15,055	120	20,987	51	228	370	4,387
MASSACHUSETTS	206	10,048	2	511	35	1,489	23,022	2,494	1,822	355	3,998
MICHIGAN	25,430	8,394	18,917	16,006	129,868	919	3,101	827	34,025	48,725	28,621
MINNESOTA	43,112	243,706	270,190	8,000	30,452	1,252	9,120	193,679	31,051	3,903	83,447
MISSISSIPPI	408	7,211	3,809	272,701	22,653	17,547	4,342	10,440	84,262	9,576	43,295
MISSOURI	109,760	1,842	25,796	842	2,752	160	1,677	44,997	143,660	995	33,248
MONTANA	30	80	396	1,190	25	1,595	30	4,810	0	23	818
N. CAROLINA	7,605	11,780	3,097	18,062	257,157	1,759	31,849	186	18,509	6,873	35,688
N. DAKOTA	191,177	65,209	812	300	5,355	2,622	6,165	2,575	700	76,520	35,144
NEBRASKA	23,456	391	1,560	16,374	2,694	65,364	2,991	11,054	22,424	622	14,693

TABLE 4

FLOOD DAMAGES SUFFERED BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Avg
NEVADA	221	12	1,000	2,255	0	20,130	13,892	5,307	6,876	35	4,973
NEW HAMPSHIRE	515	0	0	3,500	70	2,931	25,080	8,917	4,589	920	4,652
NEW JERSEY	179,100	0	0	250	87,200	62,330	41,885	130,050	1,350	5,290	50,746
NEW MEXICO	160	4,260	305	50	3,090	2,170	12,725	275	27,419	813	5,127
NEW YORK	18,498	7,290	3,939	45,672	100,877	74,479	1,012,084	43,045	33,391	96,306	143,558
OHIO	8,839	13,647	2,214	319,713	126,678	61,665	587,376	267,706	5,560	4,651	139,805
OKLAHOMA	11,691	9,847	245	318	4,139	489	658	29,964	4,270	825	6,245
OREGON	5,734	5	1,001	7	5	182	21,448	49,006	75,554	4,125	15,707
PENNSYLVANIA	27,476	63,506	10,650	58,221	448,039	137,910	535,855	30,403	1,606	32,945	134,661
PUERTO RICO & VI	1,341	150,358	93,825	25,485	219,514	1,589	24,176	206	25,498	225	54,222
RHODE ISLAND	0	3,005	0	10	0	107	1,655	105	180	107	517
S. CAROLINA	2,885	75	52	3,255	54,434	3,315	2,650	55	133	434	6,729
S. DAKOTA	0	13,567	500	100	12,350	22,818	75	24,700	14,831	1,075	9,002
TENNESSEE	230	2,153	33,226	29,095	10,839	739	121	0	1,054	11,801	8,926
TEXAS	25,130	5,178,895	316,227	28,270	83,769	9,354	208,532	322,601	395,792	43,097	661,167
UTAH	679	184	300	1,896	832	300,784	110	11,223	185	200	31,639
VERMONT	1,845	1,459	338	471	9,332	279	648	4,205	5,221	528	2,433
VIRGINIA	1,368	19,484	35,368	16,744	147,938	87	15,940	15,106	692	1,363	25,409
W. VIRGINIA	11,003	211,688	92,256	34,236	248,289	13,977	2,459	2,960	6,093	69,309	69,227
WASHINGTON	488	1,790	392	165	18,617	1,215	7,630	72,354	130,433	41,816	27,490
WISCONSON	74,298	24,928	43,884	55	290,375	134	15,209	117,311	679,583	28,636	127,441
WYOMING	20	818	734	60	0	758	141	1,777	200	5,607	1,012
Totals	1,338,735	7,309,308	1,199,671	2,482,230	13,970,646	1,510,435	3,744,465	2,529,172	6,987,383	1,000,026	4,207,207

TABLE 5

TOTAL LIVES LOST BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Total
ALABAMA	0	0	0	1	0	1	0	0	1	3	6
ALASKA	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	14	0	2	1	8	0	7	7	0	39
ARKANSAS	0	0	4	0	2	1	0	1	5	4	17
CALIFORNIA	0	0	0	7	16	7	3	1	2	1	37
COLORADO	1	0	0	0	2	0	0	1	0	0	4
CONNECTICUT	0	0	0	0	0	0	3	0	1	0	4
DELAWARE	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	2	2	1	0	6	0	0	0	0	2	13
GEORGIA	0	2	0	1	0	2	0	0	0	10	15
GUAM & AS	0	0	0	3	0	0	0	0	0	0	3
HAWAII	0	0	3	3	2	0	7	0	0	0	15
IDAHO	0	0	0	0	0	0	0	0	0	1	1
ILLINOIS	4	1	2	1	0	0	0	0	5	3	16
INDIANA	1	1	2	4	3	1	5	3	11	0	31
IOWA	3	0	0	0	2	1	0	2	2	0	10
KANSAS	0	1	0	6	0	1	0	1	2	4	15
KENTUCKY	1	1	1	5	7	1	2	0	1	1	20
LOUISIANA	0	0	0	1	0	0	0	1	0	0	2
MAINE	0	0	0	0	0	0	0	0	0	0	0
MARYLAND & DC	0	0	0	0	4	1	5	0	0	0	10
MASSACHUSETTS	0	0	0	0	0	0	2	0	0	0	2
MICHIGAN	0	3	0	0	0	0	0	0	4	0	7
MINNESOTA	1	3	0	0	1	1	0	8	1	0	15
MISSISSIPPI	0	0	1	3	1	0	0	0	4	1	10
MISSOURI	0	4	5	3	2	3	2	6	12	1	38
MONTANA	0	0	0	0	0	0	0	0	0	0	0
N. CAROLINA	0	0	1	8	6	1	1	0	0	2	19
N. DAKOTA	2	0	0	0	0	0	1	0	0	0	3
NEBRASKA	0	0	1	0	1	0	0	0	0	0	2

TABLE 5

TOTAL LIVES LOST BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Total
NEVADA	0	0	0	1	0	0	0	0	0	0	1
NEW HAMPSHIRE	0	0	0	0	0	0	4	0	1	0	5
NEW JERSEY	1	0	0	0	0	0	1	0	0	0	2
NEW MEXICO	0	0	0	0	0	2	2	0	5	1	10
NEW YORK	0	1	0	5	5	3	6	5	0	1	26
OHIO	4	3	1	1	1	3	4	1	2	1	21
OKLAHOMA	0	0	0	0	2	0	0	8	2	1	13
OREGON	0	0	0	0	1	0	0	0	1	1	3
PENNSYLVANIA	0	2	0	2	6	0	9	0	0	0	19
PUERTO RICO & VI	0	3	0	3	5	7	1	0	5	1	25
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	0
S. CAROLINA	0	1	0	0	0	0	0	0	0	0	1
S. DAKOTA	0	0	0	0	0	0	0	0	0	0	0
TENNESSEE	0	0	8	6	1	0	0	0	4	3	22
TEXAS	4	22	21	3	13	5	3	53	2	10	136
UTAH	0	1	0	0	0	1	2	0	2	0	6
VERMONT	0	0	0	0	0	0	0	0	0	0	0
VIRGINIA	1	1	1	4	8	0	1	1	0	0	17
W. VIRGINIA	3	5	0	3	4	0	0	0	1	0	16
WASHINGTON	0	1	0	0	0	0	0	5	2	0	8
WISCONSON	1	0	0	0	0	0	0	0	1	0	2
WYOMING	0	0	0	0	0	0	0	0	0	0	0
Totals	29	72	52	76	102	50	64	104	86	52	687

TABLE 6

REGIONAL DISTRIBUTION FLOOD DAMAGES PREVENTED BY STATE (THOUSANDS OF DOLLARS) Fiscal Years 2000 - 2009											
Location	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	10-Yr Avg
ALASKA	200	0	100	11,000	0	0	0	0	14,000	10	2,531
ARKANSAS-RED-WHITE	122,313	98,473	153,942	90,844	261,028	320,528	39,402	1,065,863	1,066,771	656,746	387,591
CALIFORNIA	339,137	814,454	144,655	1,046,278	1,023,695	3,772,561	725,005	24,506	954,068	480,577	932,494
COLORADO	0	1,820	0	7,484	0	145,616	5,204	184	17,346	0	17,765
COLUMBIA N PACIFIC	1,191,591	134,072	590,375	740,113	1,301,444	589,864	3,448,858	3,533,886	1,398,188	6,158,839	1,908,723
GREAT BASIN	1,400	8,403	0	6,555	0	32,177	7,535	138	24,902	59,459	14,057
GREAT LAKES	13,979	28,643	39,729	104,179	152,167	223,805	91,463	231,234	296,374	303,110	148,468
GULF & S. ATLANTIC	52,668	91,978	6,584	377,973	128,916	72,307	30,595	20,387,196	114,085	220,284	2,148,259
HAWAII & GUAM	0	14,197	2,598	546	7,456	20,651	23,191	44,965	68,369	14,824	19,680
LOWER MISSISSIPPI	20,921	13,926,650	17,610,293	10,058,723	8,440,322	13,804,417	7,727	284,920	24,440,682	7,627,039	9,622,169
MID-ATLANTIC	97,647	61,760	29,962	258,907	1,943,298	478,533	1,272,926	439,176	246,722	100,842	492,977
MISSOURI	6,524	464,445	21,656	530	1,929	116,928	93,141	4,681,496	2,960,666	4,178,121	1,252,544
NEW ENGLAND	680	89,058	195	41,848	158,753	117,031	882,682	520,167	112,457	84,066	200,694
OHIO	253,742	128,756	280,287	1,280,124	3,938,130	2,102,645	1,138,841	951,503	1,648,506	556,524	1,227,906
RIO GRANDE	50,076	983	311	65	20,575	198,130	66,354	14,019	3,767	116,772	47,105
SOURIS-RED-RAINY	10,613	217,695	11,059	8,151	77,851	24,980	305,343	67,362	14,625	4,734,464	547,214
TENNESSEE	0	4,280	175,824	255,688	127,154	120,059	21,078	5,989	35,423	196,704	94,220
TEXAS AND GULF	557,532	4,478,069	3,662,754	1,331,318	4,700,216	1,795,783	956,596	9,897,707	4,080,689	3,458,202	3,491,887
UPPER MISSISSIPPI	43,216	1,320,097	402,904	98,204	185,608	58,293	67,175	173,897	2,756,237	521,455	562,709
Totals	2,762,239	21,883,833	23,133,228	15,718,530	22,468,542	23,994,308	9,183,116	42,324,208	40,253,877	29,468,039	23,118,992

TABLE 7

2009 ATLANTIC OCEAN TROPICAL CYCLONES AND THEIR EFFECTS								
Name	Class	Category	Dates	Max Wind (Kt.)	Min Pressure (MB)	Damages in USA (Millions)	Lives Lost in USA	States Most Effected
One	Tropical Storm		28-MAY - 29-MAY	30	1006			NC
Ana	Tropical Storm		11 Aug - 17 Aug	35	1004			
Bill	Hurricane	4	15 Aug - 24 Aug	115	978		2	ME, FL
Claudette	Tropical Storm		16 Aug - 18 Aug	45	1015		2	FL, AL, MS
Danny	Tropical Storm		26 Aug - 29 Aug	50	1006		1	NC
Eight	Tropical Storm		25 Sep - 26 Sep	30	1008			
Erika	Tropical Storm		01 Sep - 04 Sep	50	1004			
Fred	Hurricane	3	07 Sep - 12 Sep	105	958			
Grace	Tropical Storm		05 Oct - 06 Oct	60	986			
Henri	Tropical Storm		06 Oct - 08 Oct	45	1005			
Ida	Hurricane	2	04 Nov - 10 Nov	90	975		1	LA, MS, AL, FL
Totals							6	
<p>Saffin-Simpson Scale for Wind Speed</p> <p>Tropical Storm: 34-63 kt (39-73mph) Hurricane Cat 1: 64-82 kt (74-95 mph) Hurricane Cat 2: 83-95 kt (96-110 mph) Hurricane Cat 3: 96-113 kt (111-130 mph) Hurricane Cat 4: 114-135 kt (131-155 mph) Hurricane Cat 5: Greater than 135kt (155 mph)</p> <p>Detailed information available at http://www.nhc.noaa.gov/archive/2009/tws/MIATWSAT_nov.shtml http://weather.unisys.com/hurricane/atlantic/2009/index.html (Damages and Lives Lost data reflect current NOAA data as of 1 Dec 2009.)</p>								

