

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

REPORT ON RIVER GAGE STATION

REVISED, PRINTED DATES: 01/12/2009, 04/08/2009

LOCATION: Coleville
STREAM: W Walker R Below Little Walker R
BASIN: Walker Lake HSA: REV

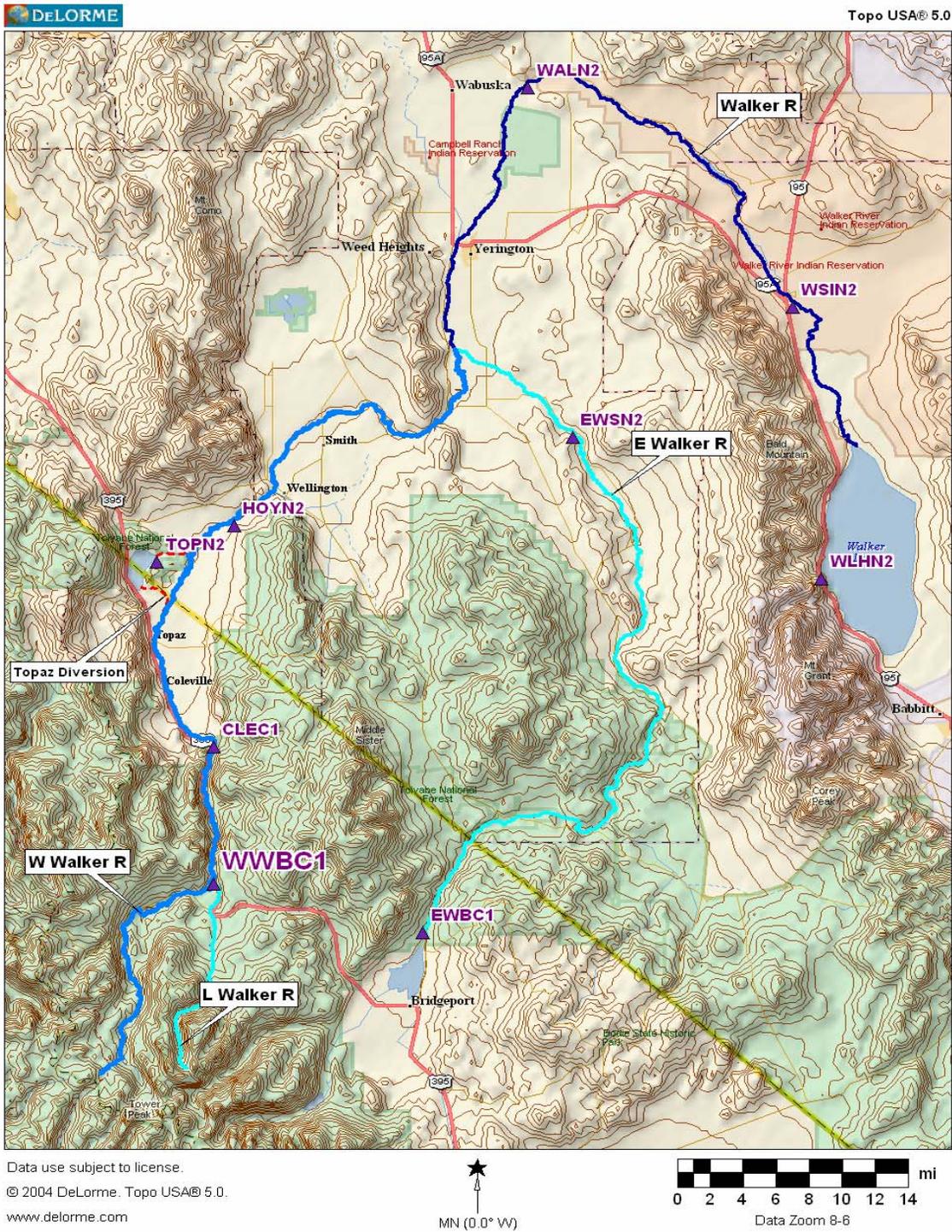
REFERENCES:

CA DWR Walker River Atlas, 6/92
Correspondence w/Lyon Co Dept. of Public Works
Correspondence w/Lyon Co Emergency Manager
Correspondence w/Lyon Co Sheriff Office
Correspondence w/Mono Co Dept. of Public Works
Correspondence w/Mono Co Sheriff Office
NV Div of Cons. & Nat Resources; The Flood of 1997; 5/97
NV Div of Cons & Nat Res, Walker R Chronology, 6/96
NWS B44 Coop Stn Report, Coleville 5SE (04-1908-3), 4/19/83-3/5/98
USCE Jan 97 Fld Assessment, E Sierra/W NV, 9/97
USDA SCS, NV DC&NR, CA RA; ChronOfFldYrs,CtrlLhntnBsn,1861-1967; 6/69
USDA SCS, NV DC&NR, CA RA; Cntrl Lhntn Bsn;WlkrR SubBasin NV/CA;6/69
USDA SCS, NV DC&NR, CA RA; Wtr&RelatedLandRsrces,CtrlLhntnBsn, 7/75
USGS Bridgeport CA/NV, 1:100,000 Scale Map, 1985
USGS Chris Flat CA, 1:24,000 Scale Map
USGS Coleville CA, 1:24,000 Scale Map
USGS Flood Frequency Analysis, 10/1/2-4/25/07
USGS Gaging Station Description; 2/2/91 & 6/10/98
USGS Long Dry Canyon CA/NV, 1:24,000 Scale Map
USGS Oreana Peak NV, 1:24,000 Scale Map
USGS Peak Flow Data; 10/1/2-9/30/97

ABBREVIATIONS:

BM - bench mark	EPA - Environmental Protection Agency
DS - downstream	IBWC - International Boundary and Water Comm.
US - upstream	MSRC - Mississippi River Commission
HW - high water	MORC - Missouri River Commission
LW - low water	NOAA - National Oceanic and Atmospheric Admin.
RB - right bank	NOS - National Ocean Survey
LB - left bank	NWS - National Weather Service
MGL - mean gulf level	TVA - Tennessee Valley Authority
MLW - mean low water	USACE - U.S. Army Corps of Engineers
MSL - mean sea level	USBR - U.S. Bureau of Reclamation
MLT - mean low tide	USGS - U.S. Geological Survey
MT - mean tide	USWB - U.S. Weather Bureau
WQ - water quality	NGVD - National Geodetic Vertical Datum
RM - reference mark	NAD - North American Datum
RP - reference point	

LOCATION IDENTIFICATION: WWBC1
NWS INDEX NUMBER:
USGS NUMBER: 10296000



Walker River Basin. The wide blue line is the West Walker River. WWBC1 is the official forecast point serving the reach from the junction with the Little Walker River to the junction with the East Walker River south of Yerington. This includes the steep canyon from the gauge to the town of Walker, and the smaller narrowings just upstream of Wellington (Hoye Canyon) and downstream from the Smith Valley (Wilson Canyon). The towns of Walker, Coleville, Topaz, Wellington, and Smith fall along this reach.

BENCHMARKS

ELEVATION OF GAGE ZERO: 6591.390
 LEVELING AGENCY AND DATE: USGS
 RATING AGENCY: USGS

VERTICAL DATUM: NGVD 1929
 CHECKBAR:

BENCHMARK	DESCRIPTION	GAGE ZERO	DATUM
LwrCSG	Lower crest stage gage pin.	3.260	6594.650
RM1	Base: USGS brass cap in left bank concrete anchor block of cableway.	21.227	6612.617
RM6	Rebar cemented in 4-inch PVC pipe located 18 ft west of gage house.	16.725	6608.115
RM8	Top of 15/16" bolt on upstream concrete wall, most west side of bridge on left bank.	17.228	6608.618
RP1	Lag bolt in upper outside staff.	8.152	6599.542
RP2	Lag bolt in lower outside staff.	4.591	6595.981
RR7	USGS Brass cap on north corner of gage pad.	15.163	6606.553
TapePT	Tapedown Point is the T-post nearest orifice cap.	2.248	6593.638
UprCSG	Upper crest stage gage pin.	7.220	6598.610

GAGES

DCP

TELEM

NESS ID: DD63A274
 OWNER: USGS
 REPORT TIME: 00:39
 INTERVAL: 60

TYPE OF TELEMETRY:
 OWNER:
 PHONE NUMBER:
 INTERVAL:
 PAYOR/COST OF LINE: / \$

GAGE TYPE	OWNER	MAINTENANCE	BEGAN	ENDED	GAGE LOCATION/REMARKS
FLOAT	USGS	USGS	04/24/1938	09/29/1939	In gage hs, LB 75' US from HWY 395 bridge.
IS STAFF	USGS	USGS	04/24/1938	09/29/1939	In gage hs, LB 75' US from HWY 395 bridge.
Other	USGS	USGS	04/24/1938	03/05/1997	Water stage recorder attached at float. For location see associated float entries.
staff	USGS	USGS	04/24/1938	09/29/1939	LB 75' US from HWY 395 bridge.
FLOAT	USGS	USGS	10/01/1939	09/30/1969	In gage hs, LB 200' US from HWY 395 bridge.
IS STAFF	USGS	USGS	10/01/1939	09/30/1969	In gage hs, LB 200' US from HWY 395 bridge.
staff	USGS	USGS	10/01/1939	09/30/1969	LB 200' US from HWY 395 bridge.
FLOAT	USGS	USGS	10/01/1969	07/10/1987	In gage hs, RB 60' US from HWY 395 bridge.
IS STAFF	USGS	USGS	10/01/1969	07/10/1987	In gage hs, RB 60' US from HWY 395 bridge.
staff	USGS	USGS	10/01/1969	07/10/1987	RB 60' US from HWY 395 bridge.
FLOAT	USGS	USGS	07/10/1987	03/05/1997	In gage hs, LB 160' US from HWY 395 bridge.
IS STAFF	USGS	USGS	07/10/1987	03/05/1997	In gage hs, LB 160' US from HWY 395 bridge.
staff	USGS	USGS	07/10/1987	03/05/1997	LB 160' US from HWY 395 bridge.
crest	USGS	USGS	03/06/1997		LB 10' US from HWY 395 bridge. Attached to outside staff gages.
Other	USGS	USGS	03/06/1997		In gage hs, LB 10' US from HWY 395 bridge. Sutron 8210 Datalogger w/DCP. Interfaced with pressure transducer.
pres trans	USGS	USGS	03/06/1997		In gage hs, LB 10' US from HWY 395 bridge.
staff	USGS	USGS	03/06/1997		LB 10' US from HWY 395 bridge. Lower staff range 2.42 to 6.72 ft. Upper staff range 5.92 to 10.14 ft.

HISTORY

PUBLICATION/LOCATION OF RECORDS	STARTING DATE	ENDING DATE
USGS Fld Freq Anal.	01/01/1902	09/30/2008
USGS Pk Flow Data	10/01/1902	09/30/1997
USGS Water Resources Data	10/01/1902	09/30/1997
USDA Chron of Fld Yrs	01/01/1961	12/31/1967
USDA Wkr R Subbasin	06/01/1969	
USDA Wtr&LndRes,CntlLhntn	07/01/1975	
NWS B44, Coleville 5SE	04/19/1983	03/05/1998
USGS Gaging Stn Desc	02/02/1991	
CA DWR Wkr Riv Atlas	06/01/1992	
NV DC&NR Wkr Riv Chronol.	06/01/1996	
NV DC&NR; Flood of 1997	05/01/1997	
USCE 1/97 Fld Assessmnt	09/01/1997	
USGS Gaging Stn Desc.	06/10/1998	

TYPE OF GAGE	OWNER	STARTING DATE	ENDING DATE
FLOAT	USGS	04/24/1938	09/29/1939
IS STAFF	USGS	04/24/1938	09/29/1939
Other	USGS	04/24/1938	03/05/1997
staff	USGS	04/24/1938	09/29/1939
FLOAT	USGS	10/01/1939	09/30/1969
IS STAFF	USGS	10/01/1939	09/30/1969
staff	USGS	10/01/1939	09/30/1969
FLOAT	USGS	10/01/1969	07/10/1987
IS STAFF	USGS	10/01/1969	07/10/1987
staff	USGS	10/01/1969	07/10/1987
FLOAT	USGS	07/10/1987	03/05/1997
IS STAFF	USGS	07/10/1987	03/05/1997
staff	USGS	07/10/1987	03/05/1997
crest	USGS	03/06/1997	
Other	USGS	03/06/1997	
pres trans	USGS	03/06/1997	
staff	USGS	03/06/1997	

ZERO ELEVATION	STARTING DATE
6592.390	04/24/1938
6591.390	09/29/1939
6589.390	03/06/1997

CRESTS

FLOOD STAGE: 6.00 ACTION STAGE: 5.50 BANKFULL STAGE:
 FLOOD FLOW: 3000 ACTION FLOW: 2400

DATE OF CREST	TIME LST	CREST (ft)	FLOW (CFS)	FROM HIGH WATERMARKS	BASED ON OLD DATUM	CAUSED BY ICE JAM	REMARKS
12/11/1937	UNDEF	7.75	5800				MEASURED STAGE NA. STG EST W/USGS RTG 23.1.
06/20/1941	UNDEF	5.19	2040				MEASURED STAGE 5.01', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/01/1943	UNDEF	5.26	2110				MEASURED STAGE 5.15', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
11/20/1950	UNDEF	7.96	6220				MEASURED STAGE 8.10', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/08/1952	UNDEF	5.74	2650				MEASURED STAGE 5.51', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/19/1953	UNDEF	5.18	2030				MEASURED STAGE 4.93', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/10/1955	UNDEF	5.37	2230				MEASURED STAGE 5.13', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
12/23/1955	UNDEF	7.42	5180				MEASURED STAGE 7.41', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/03/1957	UNDEF	5.22	2070				MEASURED STAGE 4.97', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/24/1958	UNDEF	5.46	2330				MEASURED STAGE 5.23', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
02/01/1963	UNDEF	5.93	2870				MEASURED STAGE 5.85', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
12/23/1964	UNDEF	5.99	2950				MEASURED STAGE 5.76', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
07/03/1967	UNDEF	6.11	3100				MEASURED STAGE 5.95', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/04/1969	UNDEF	6.37	3470				MEASURED STAGE 5.74', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/27/1971	UNDEF	5.23	2080				MEASURED STAGE 4.98', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/31/1973	UNDEF	5.53	2400				MEASURED STAGE 5.32', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/07/1974	UNDEF	5.24	2090				MEASURED STAGE 5.01', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/01/1975	UNDEF	5.69	2590				MEASURED STAGE 5.42', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/14/1978	UNDEF	5.16	2010				MEASURED STAGE 4.92', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/26/1979	UNDEF	5.15	2000				MEASURED STAGE 4.97', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
07/01/1980	UNDEF	5.85	2780				MEASURED STAGE 5.55', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/27/1982	UNDEF	5.46	2330				MEASURED STAGE 5.13', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/05/1983	UNDEF	6.25	3300				MEASURED STAGE 6.00', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.

DATE OF CREST	TIME LST	CREST (ft)	FLOW (CFS)	FROM HIGH WATERMARKS	BASED ON OLD DATUM	CAUSED BY ICE JAM	REMARKS
05/30/1984	UNDEF	5.24	2090				MEASURED STAGE 4.97', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/01/1986	UNDEF	6.10	3090				MEASURED STAGE 5.50', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/21/1993	UNDEF	5.14	1990				MEASURED STAGE 4.39', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
07/09/1995	UNDEF	6.63	3860				MEASURED STAGE 6.04', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/16/1996	UNDEF	7.10	4610				MEASURED STAGE 6.55', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
01/02/1997	UNDEF	10.25	12300				MEASURED STAGE 10.11', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
06/22/1998	UNDEF	5.81	2730				MEASURED STAGE 8.81'. DISCHARGE AFFECTED BY REG/DIV. STG EST W/USGS RTG 23.1.
05/29/1999	UNDEF	5.73	2630				MEASURED STAGE 5.65', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/25/2000	UNDEF	5.34	2200				MEASURED STAGE 5.22', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/30/2003	UNDEF	6.04	3010				MEASURED STAGE 5.93', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.
05/28/2005	UNDEF	6.37	3470				MEASURED STAGE 6.39'. STG EST W/USGS RTG 23.1.
05/20/2006	UNDEF	6.34	3430				MEASURED STAGE 6.59', DATUM THEN IN USE. STG EST W/USGS RTG 23.1.

LOW WATER RECORDS

DATE OF LOW WATER	STAGE (ft)	FLOW (CFS)	REMARKS
12/12/1940	1.15	20	12/12-15/1940; Stg est. w/USGS Rtg 23.1
11/21/1948	1.14	19	Stage Est. Using Rtg 23.1
12/03/1948	1.13	18	Stage Est. Using Rtg 23.1
01/04/1949	1.15	20	Stage Est. Using Rtg 23.1
11/13/1955	1.15	20	Stage Est. Using Rtg 23.1
12/20/1959	1.15	20	Stage Est. Using Rtg 23.1
01/24/1962	1.13	18	Stage Est. Using Rtg 23.1
02/27/1962	1.15	20	Stage Est. Using Rtg 23.1
12/29/1976	1.14	19	Stage Est. Using Rtg 23.1
01/08/1977	1.06	14	01/08-10/1977; Stage Est. Using Rtg 23.1
02/05/1977	1.08	15	Stage Est. Using Rtg 23.1
07/31/1977	1.15	20	Stage Est. Using Rtg 23.1
08/29/1977	1.04	12	08/29-31/1977; Stage Est. Using Rtg 23.1
09/11/1977	0.99	10	9/11, 15/1977; Stage Est. Using Rtg 23.1

CONDITIONS AFFECTING FLOW

MILES ABOVE MOUTH: DRAINAGE AREA: 181.0 POOL STAGE:

STREAM BED: Coarse gravel and small rocks, stable.

REACH: If NO TPZ LK DIVRSN: Conf w/LtlWlkrR to conf w/EWlkrR ~52mi DS; see RMKS.

REGULATION: Very slightly regulated by Poore Lk Reservoir. (cpy 1200AF) 7mi upstream, few small ranch ditches.

DIVERSION: Above all diversions except for a few small ranch ditches.

WINTER: Occasional ice effects during very cold periods.

TOPOGRAPHY: At gauge gentle slope. Gage-10mi DS: Stp nar cyn, hi vel, lg sed load. 10mi DS-Tpz: Flat Antelope Vly, 6mi wd at Tpz, then narrows to Hoyer Cyn 28mi DS (2 mi long). 30-43mi DS, flat Smith Vly. 43-45mi DS, steep nrw Wilson Cyn. 45-52mi DS, flat Mason Vly.

REMARKS: Reach: WWBC1 only forecast point on West Walker River. Represents all West Walker River below Little Walker River. No issues if all Q bi-passes Topaz Lak. WWBC1 will not represent Q below Topaz if diverted or Topaz levees broken(new reach to Topaz levee).

DAMAGE

STAGE	AREAS AFFECTED
5.50	Monitoring stage. No flooding. Max diversion to Topaz ~1300 cfs, rest goes downstream to Smith Valley. If Topaz is releasing...flow at Wellington will be Topaz release plus amount going down West Walker below diversion. Reach: W Walker River Canyon; lower Antelope Valley from W Walker River mouth to Topaz Lake including Walker/Coleville/Topaz; Smith Valley including Smith and Wellington; Mason Valley including Yerington. Approximately 2400 cfs.
6.00	Flood Stage. Some minor flooding of lowlands...pastures and rural roads. Maximum diversion to Topaz Lake is about 1300 cfs...remainder goes down the West Walker to Smith Valley/Wellington. If Topaz is releasing...flow at Wellington will be Topaz release plus amount going the West Walker below the Topaz diversion. Approximately 3000 cfs.
6.60	Minor to moderate flooding of lowlands...pastures and some rural roads along river from Walker to Topaz Lake. Moderate flooding on the lower West Walker (Smith Valley/Wellington) and mainstem Walker (Mason Valley/Yerington). Some sandbagging of structures likely in the Mason Valley/Yerington area. Approximately 3800 cfs with a 1 in 10 chance of occurring any given year.
7.00	Significant flooding of lowlands, agricultural land, yards, basements, rural roads. Flooding of structures limited in Antelope and Smith Valleys, although sandbagging necessary. Structure flooding significant in Mason Valley/Yerington on mainstem with much sandbagging. Approximately 4500 cfs with a 1 in 15 chance of occurring any given year. In July 1995, several homes and businesses flooded in the Smith/Mason Valleys, thousands of acres of farmland flooded, and levees overtopped.
7.30	Major flooding through reach and in Mason Valley and Yerington. Many buildings, roads flooded/washed out, major damage to agricultural lands, much sandbagging. Transportation affected. Severe damage to Highway 395 in W Walker Canyon. Approximately 5000 cfs with a 1 in 20 chance of occurring any given year.
7.90	Flooding near disaster levels through reach and Mason Valley/Yerington. Numerous structures flooded, roads washed out, many sections of Highway 395 destroyed in W Walker Canyon. Major damage to agricultural land due to erosion and destroyed facilities (diversion dams, headgates, canals, levees). Approximately 6100 cfs with a 1 in 35 chance of occurring any given year.
8.25	Flood disaster along entire reach...from W Walker River Canyon to Smith/Mason valleys. Widespread flood damage to roads...bridges...homes and structures along river. Severe damage to Highway 395 in Walker Canyon...and NV state route 208 in Smith Valley/Wilson Canyon. These highways likely closed. Approximately 6800 cfs with a 1 in 50 chance of occurring any given year. Historically this flow has been reached or exceeded only twice...December 1937 and January 1997.
8.80	Flood disaster from Walker River Canyon to Antelope Valley/Topaz Lake...Smith Valley/Wellington and Mason Valley/Yerington. Widespread flood damage to roads...bridges...homes and structures along river. Severe damage to Highway 395 in W Walker River Canyon and NV Highway 208 in Smith Valley/Wilson Canyon. These highways probably closed. Approximately 8200 cfs with a 1 in 100 chance of occurring any given year. Historically this flow has been exceeded only once...January 1997.
9.50	Near record flooding. Area cut off as most transportation routes into area destroyed/flooded. Massive destruction of infrastructure/economy including power, roads, business, water, homes, etc. Approximately 10,000 cfs with a 1 in 200 chance of occurring in any given year.
10.25	Flood of record. Highway 395 in W Walker River Canyon closed for months. Massive destruction to infrastructure and economy including transportation, power, water, homes, businesses, etc. Area isolated. At this stage, 6.5 mile stretch of Highway 395 completely scoured with debris from canyon deposited in the town of Walker. Approximately 12,500 cfs with a 1 in 500 chance of occurring in any given year.
10.50	Incredible flood disaster previously unknown. Greater than 13,000 cfs.

RIVER STAGE DATA

			13-		

			12-		

			11-		

10.50	- Incredible flood disaster previously unknown. Greater than 13,000 cfs.		-----		
10.25	- Flood of record. Highway 395 in W Walker River Canyon closed for months. Massive destruction to infrastructure and economy including transportation, power, water, homes, businesses, etc. Area isolated. At this stage, 6.5 mile stretch of Highway 395 completely scoured with debris from canyon deposited in the town of Walker. Approximately 12,500 cfs with a 1 in 500 chance of occurring in any given year.	10.25	01/02/1997	10-	

9.50	- Near record flooding. Area cut off as most transportation routes into area destroyed/flooded. Massive destruction of infrastructure/economy including power, roads, business, water, homes, etc. Approximately 10,000 cfs with a 1 in 200 chance of occurring in any given year.			9-	

8.80	- Flood disaster from Walker River Canyon to Antelope Valley/Topaz Lake...Smith Valley/Wellington and Mason Valley/Yerington. Widespread flood damage to roads...bridges...homes and structures along river. Severe damage to Highway 395 in W Walker River Canyon and NV Highway 208 in Smith Valley/Wilson Canyon. These highways probably closed. Approximately 8200 cfs with a 1 in 100 chance of occurring any given year. Historically this flow has been exceeded only once...January 1997.			8-	
		7.96	11/20/1950	-----	
		7.75	12/11/1937	-----	
		7.42	12/23/1955	-----	
8.25	- Flood disaster along entire reach...from W Walker River Canyon to Smith/Mason valleys. Widespread flood damage to roads...bridges...homes and structures along river. Severe damage to Highway 395 in Walker Canyon...and NV state route 208 in Smith Valley/Wilson Canyon. These highways likely closed. Approximately 6800 cfs with a 1 in 50 chance of occurring any given year. Historically this flow has been reached or exceeded only twice...December 1937 and January 1997.			7-	
		7.10	05/16/1996	-----	
		6.63	07/09/1995	-----	
7.90	- Flooding near disaster levels through reach and Mason Valley/Yerington. Numerous structures flooded, roads washed out, many sections of Highway 395 destroyed in W Walker Canyon. Major damage to agricultural land due to erosion and destroyed facilities (diversion dams, headgates, canals, levees). Approximately 6100 cfs with a 1 in 35 chance of occurring any given year.			6-	
		6.37	06/04/1969	-----	
		6.11	07/03/1967	-----	
		5.99	12/23/1964	-----	
		5.74	06/08/1952	-----	
		5.53	05/31/1973	-----	
		5.37	06/10/1955	-----	
7.30	- Major flooding through reach and in Mason Valley and Yerington. Many buildings, roads flooded/washed out, major damage to agricultural lands, much sandbagging. Transportation affected. Severe damage to Highway 395 in W Walker Canyon. Approximately 5000 cfs with a 1 in 20 chance of occurring any given year.			5-	
		5.19	06/20/1941	-----	
7.00	- Significant flooding of lowlands, agricultural land, yards, basements, rural roads. Flooding of structures limited in Antelope and Smith Valleys, although sandbagging			4-	

REACH: If NO TPZ LK DIVRSN: Conf w/LtlWlkrR to conf w/EWlkrR ~52mi DS; see RMKS.

ELEVATION ZERO: 6591.39

LOCATION: W Walker R Below Little Walker R near Coleville, CA
ID: WWBC1

Revised, Printed Dates: 01/12/2009, 04/08/2009
NWS FORM E-19 PAGE 9: STAFF

HSA: REV

CONTACTS

SQ	CONTACT/REMARKS	PHONE
1	USGS CARSON CITY, NV snberris@usgs.gov, ktgarcia@usgs.gov STEVE BERRIS IS FIELD OFFICE CHIEF, RESPONSIBLE FOR GAGE MAINTENANCE. KERRY GARCIA IS NV DATA CHIEF, RESPONSIBLE FOR DATA (775-887-7659).	775-887-7693
2	MONO CO. SO/OEM sgtbeard@qnet.com SGT. JEFF BEARD IS MONO CO. SHERIFF AND EM. KNOWLEDGABLE ABOUT FLOOD IMPACTS IN MONO COUNTY AREA, MONITORS GAGE DATA. PHONE# ABOVE IS 24 HOUR, OPTION 7 IS EM. OFFICE (M-F, 8-5)#: 760-932-5279.	760-932-7549
3	LYON CO. SO/OEM aveil@lyon-county.org (Sheriff); jpage@lyon-county.org (EM) LYON CO SHERIFF CAPTAIN JEFF PAGE IS EM, CELL: 775-302-7088, OFFICE:775-463-6551 X10 OR 6620 X10. CLOSELY WATCHES WEST WALKER FORECASTS AS HAS MAJOR IMPACT ON LYON CO FLOODING. KNOWLEDGABLE ABOUT FLOOD IMPACTS IN LYON COUNTY AREA.	775-463-6620
4	DOUGLAS CO. SO RON PIERINI IS SHERIFF. CLOSELY MONITORS W WALKER RIVER FORECASTS AS HAS IMPACT ON EXTREME SW DOUGLAS CO FLOODING. KNOWLEDGABLE ABOUT FLOOD IMPACTS IN DOUGLAS CO.	775-782-9911
5	DOUGLAS CO. OEM rmirgon@co.douglas.nv.us Dick Mirgon is OEM Director for Douglas Co. Monitors W Walker R for flood impacts.	775-782-9977
6	WALKER RIVER WATERMASTER walkerwatermaster@msn.com JIM SHAW IS WATERMASTER. ADVISES NWS, LYON, MONO CO. ON FLOOD CONDITIONS, PLANNED TOPAZ AND BRIDGEPORT RESERVOIR RELEASES. WORKS W/WRID IN RESERVOIR MGT.	775-463-3540

SQ	CONTACT/REMARKS	PHONE
CONTACT/REMARKS	PHONE	
7	WALKER RIVER IRRIG DIST kcspooner@wrid.us KEN SPOONER IS CHIEF. MONITORS GAGE FOR TOPAZ RESV OPERATIONS, ALSO OPERATES BRIDGEPORT RESV. TOPAZ IS OFF-RIVER, HAS NO SPILLWAY, NO WAY TO CONTROL IN/OUTFLOW, WRID MUST CUT LEVEES TO CONTROL TOPAZ ELEV IF NEEDED.	775-463-3523
8	HAL & PENNY CURTI RANCHERS & NWS SPOTTERS NR COLEVILLE HAVE EXCELLENT KNOWLEDGE OF W WALKER RIVER CONDITIONS AND FLOOD IMPACTS IN ANTELOPE VALLEY.	



West Walker River looking downstream toward gauge. Gauge is located just upstream from bridge on left bank (red arrow). Little Walker River can be seen flowing into West Walker River about half way on opposite bank (yellow arrow). Picture taken 10/15/2008 with daily average discharge 28 cfs.



West Walker River looking upstream. Little Walker River flows into the West Walker River to left of picture. Picture taken 10/15/2008 with daily average discharge 28 cfs.



Little Walker River flowing into West Walker River 100 yards upstream of gauge. Notice the sediment deposite. Picture taken 10/15/2008.



Staff gauges located 10 feet upstream from bridge on left bank. Top of lower staff gage is 6.72 feet and top of upper staff gage is 10.14 feet. Picture was taken 5/05/2005 with flow near 700 cfs. The red line is the record flood of 1/2/1997 when the flow was 12,300 cfs. Based on rating done in 2008 this would be just above the highest reading of the upper staff gage or 10.25 feet (red arrow).



Picture taken 5/05/2005. Flow near 700 cfs. Looking upstream from highway 395 bridge. Little Walker River flowing into West Walker River (yellow arrow).



Upper and lower staff gages and gage house. Lower staff gage has a range of 2.42 feet to 6.72 feet. Upper staff gage ranges from 5.92 feet to 10.14 feet. As a reference...benchmark stage at base of gage house (brass cap located at north top corner of concrete foundation or point of yellow arrow) is 15.16 feet. Picture was taken on 5/05/2005 with a flow near 700 cfs and stage measuring 3.40 feet.