

SUMMARY OF HYDROLOGIC CONDITION ENGAGEMENT ANALYSIS

USING BBEST IMPLEMENTATION APPROACH FOR SITES UPSTREAM OF THE HIGHLAND LAKES, THE LAVACA BASIN, AND THE COASTAL BASINS

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PAGE #	DATA USED TO DEVELOP STORAGE TRIGGERS						RESULTING STORAGE TRIGGERS															
	SOURCE DATA	HYDRO CONCEPT	CONSERVATION		TYPE	PERIOD OF RECORD	BASE HIGH (1) TRIGGER TO ENGAGE				BASE MEDIUM (1) TRIGGER TO ENGAGE				BASE LOW TRIGGER TO ENGAGE				SUBSISTENCE TRIGGER TO ENGAGE			
			STOR (KAF)	ELEV (MSL)			%	%	STO (KAF)	ELEV (MSL)	%	%	STO (KAF)	ELEV (MSL)	%	%	STO (KAF)	ELEV (MSL)	%	%		
																					GOAL; 25% OF TIME	GOAL; 50% OF TIME
LCRA' HIGHLAND LAKES (BUCHANAN + TRAVIS)																						
(1)	TCEQ RUN3	STORAGE	2,163	N/A	SIM	1940-1998				23.8%	2,123	N/A	98.1%	50.5%	1,446	N/A	66.9%	20.4%	721	N/A	33.3%	5.3%
(2)	TCEQ RUN3	STORAGE	2,021	N/A	SIM	1940-1998				23.8%	2,021	N/A	100.0%	49.9%	1,745	N/A	86.3%	20.7%	1,354	N/A	67.0%	5.5%
(3)	LCRA	STORAGE	2,011	N/A	HIST	1980-2010				24.9%	1,928	N/A	95.9%	49.9%	1,591	N/A	79.1%	17.7%	1,104	N/A	54.9%	7.5%
LCRA'S LAKE BUCHANAN																						
(4)	TCEQ RUN3	STORAGE	992	1020.0	SIM	1940-1998				25.0%	991	N/A	99.9%	48.8%	732	N/A	73.7%	21.0%	444	N/A	44.7%	5.3%
(5)	TCEQ RUN3	STORAGE	889	1020.0	SIM	1940-1998				23.8%	889	N/A	100.0%	50.5%	682	N/A	76.7%	20.7%	386	N/A	43.4%	5.0%
(6)	LCRA	STORAGE	876	1020.0	HIST	1980-2010				25.5%	831	1018.0	94.9%	47.7%	678	1010.6	77.4%	20.4%	490	999.9	56.0%	6.4%
LCRA'S LAKE TRAVIS																						
(7)	TCEQ RUN3	STORAGE	1,171	681.0	SIM	1940-1998				23.8%	1,137	N/A	97.1%	50.2%	728	N/A	62.2%	20.4%	209	N/A	17.8%	5.5%
(8)	TCEQ RUN3	STORAGE	1,132	681.0	SIM	1940-1998				32.0%	1,132	N/A	100.0%	42.3%	1,071	N/A	94.6%	20.7%	960	N/A	84.8%	5.0%
(9)	LCRA	STORAGE	1,135	681.0	HIST	1980-2010				26.0%	1,119	680.2	98.6%	49.3%	892	667.2	78.6%	18.2%	634	648.5	55.9%	6.4%
LNRA'S LAKE TEXANA																						
(10)	TCEQ RUN3	STORAGE	170.3	45.0	SIM	1940-1996				30.5%	170.3	N/A	100.0%	43.5%	132.5	N/A	77.8%	20.7%	93.3	N/A	54.8%	5.3%
(11)	TCEQ RUN3	STORAGE	165.7	45.0	SIM	1940-1996				36.2%	165.7	N/A	100.0%	36.8%	146.3	N/A	88.3%	22.8%	125.5	N/A	75.7%	4.2%
(12)	LNRA	STORAGE	161.1	44.0	HIST	1983-2010				24.0%	162.8	44.2	101.1%	51.9%	152.7	43.1	94.8%	18.4%	127.0	40.1	78.8%	5.6%
DATA USED TO DEVELOP FLOW TRIGGERS						RESULTING FLOW TRIGGERS																
SOURCE DATA	HYDRO CONCEPT	MAXIMUM CUMULATIVE 12 MONTH FLOW (acre-feet)	TYPE	PERIOD OF RECORD	BASE HIGH TRIGGER TO ENGAGE				BASE MEDIUM TRIGGER TO ENGAGE				BASE LOW TRIGGER TO ENGAGE				SUBSISTENCE TRIGGER TO ENGAGE					
					CUMULATIVE FLOW (KAF)	%	%	%	CUMULATIVE FLOW (KAF)	%	%	%	CUMULATIVE FLOW (KAF)	%	%	%	CUMULATIVE FLOW (KAF)	%	%			
																				GOAL; 25% OF TIME	GOAL; 50% OF TIME	GOAL; 20% OF TIME
SAN SABA RIVER AT SAN SABA																						
(13)	TCEQ RUN3	FLOW	503,703		SIM	1940-1998				23.8%	186.0		51.4%	70.2		19.9%	48.7		4.9%			
(14)	TCEQ RUN3	FLOW	516,567		SIM	1940-1998				24.1%	187.9		51.1%	71.6		20.8%	49.2		4.0%			
(15)	USGS	FLOW	968,106		HIST	1940-1998				22.6%	180.3		51.4%	66.4		21.4%	39.8		4.6%			
(16)	USGS	FLOW	968,106		HIST	1980-2010				23.6%	166.0		51.5%	61.1		19.3%	40.5		5.6%			

KAF Volume in Thousand Acre-Feet
MSL Elevation Referenced to Mean Sea Level
STO Storage
ELEV Elevation

NOTE 1: Subject reservoir greater than full more frequently than base high, and in some cases, base medium engagement goal.
SIMULATED RESULTS FROM WAM USED TO DEVELOP TRIGGERS.
HISTORICAL INFORMATION USED TO DEVELOP TRIGGERS.