

SUMMARY OF HYDROLOGIC CONDITION ENGAGEMENT ANALYSIS

USING BBEST IMPLEMENTATION APPROACH FOR TRES PALACIOS NEAR MIDFIELD

CL BBEST / BBASC August 11, 2011

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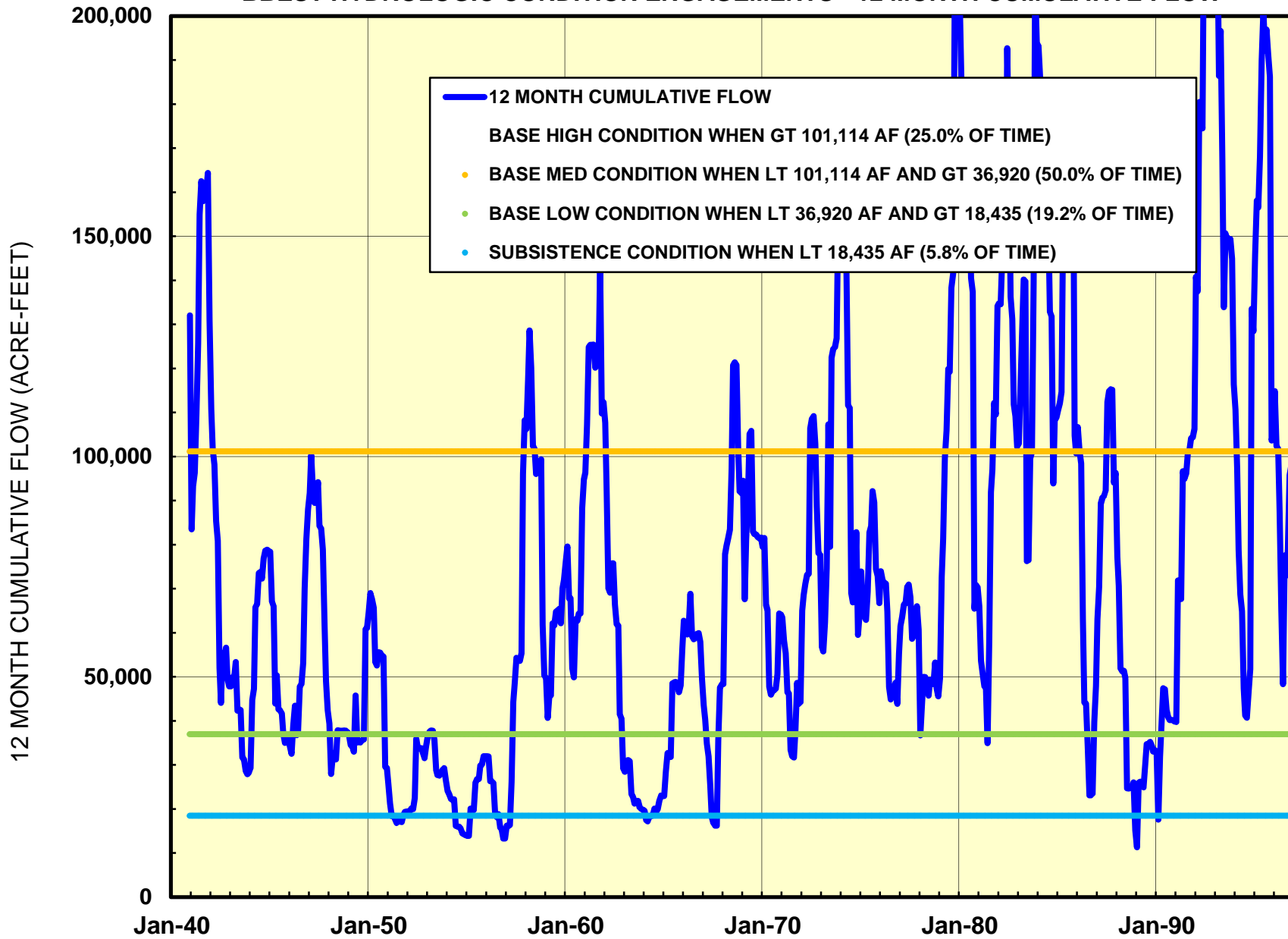
PAGE #	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	DATA USED TO DEVELOP FLOW TRIGGERS						RESULTING TRIGGERS (BASED ON FLOW FOR PREVIOUS 12 MONTH PERIOD IN ACRE-FEET)							
	SOURCE DATA	HYDRO CONCEPT	MAXIMUM CUMULATIVE 12 MONTH FLOW (acre-feet)	TYPE	PERIOD OF RECORD	BASE HIGH TRIGGER		BASE MEDIUM TRIGGER		BASE LOW TRIGGER		SUBSISTENCE TRIGGER		
						GOAL; 25% OF TIME	% OF TIME ENGAGED	GOAL; 50% OF TIME	% OF TIME ENGAGED	GOAL; 20% OF TIME	% OF TIME ENGAGED	GOAL; 5% OF TIME	% OF TIME ENGAGED	
	ENGAGED WHEN GREATER THAN:	% OF TIME ENGAGED	ENGAGED WHEN BETWEEN:	% OF TIME ENGAGED	ENGAGED WHEN BETWEEN:	% OF TIME ENGAGED	ENGAGED WHEN LESS THAN:	% OF TIME ENGAGED						
TRES PALACIOS NEAR MIDFIELD														
(1)	TCEQ RUN3	FLOW	265,073	SIM	1940-1998	101,114	25.0%	101,114 AND 36,920	50.0%	36,920 AND 18,435	19.2%	18,435	5.8%	
(2)	TCEQ RUN8	FLOW	269,765	SIM	1940-1998	105,483	25.0%	105,483 AND 40,458	50.0%	40,458 AND 21,817	18.8%	21,817	6.3%	
(3)	USGS (1)	FLOW	273,898	HIST	1940-1998	104,851	25.6%	104,851 AND 24,186	48.8%	24,186 AND 6,364	19.6%	6,364	6.0%	
(4)	USGS	FLOW	288,968	HIST	1980-2010	158,629	22.6%	158,629 AND 62,915	52.2%	62,915 AND 31,939	20.7%	31,939	4.6%	

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

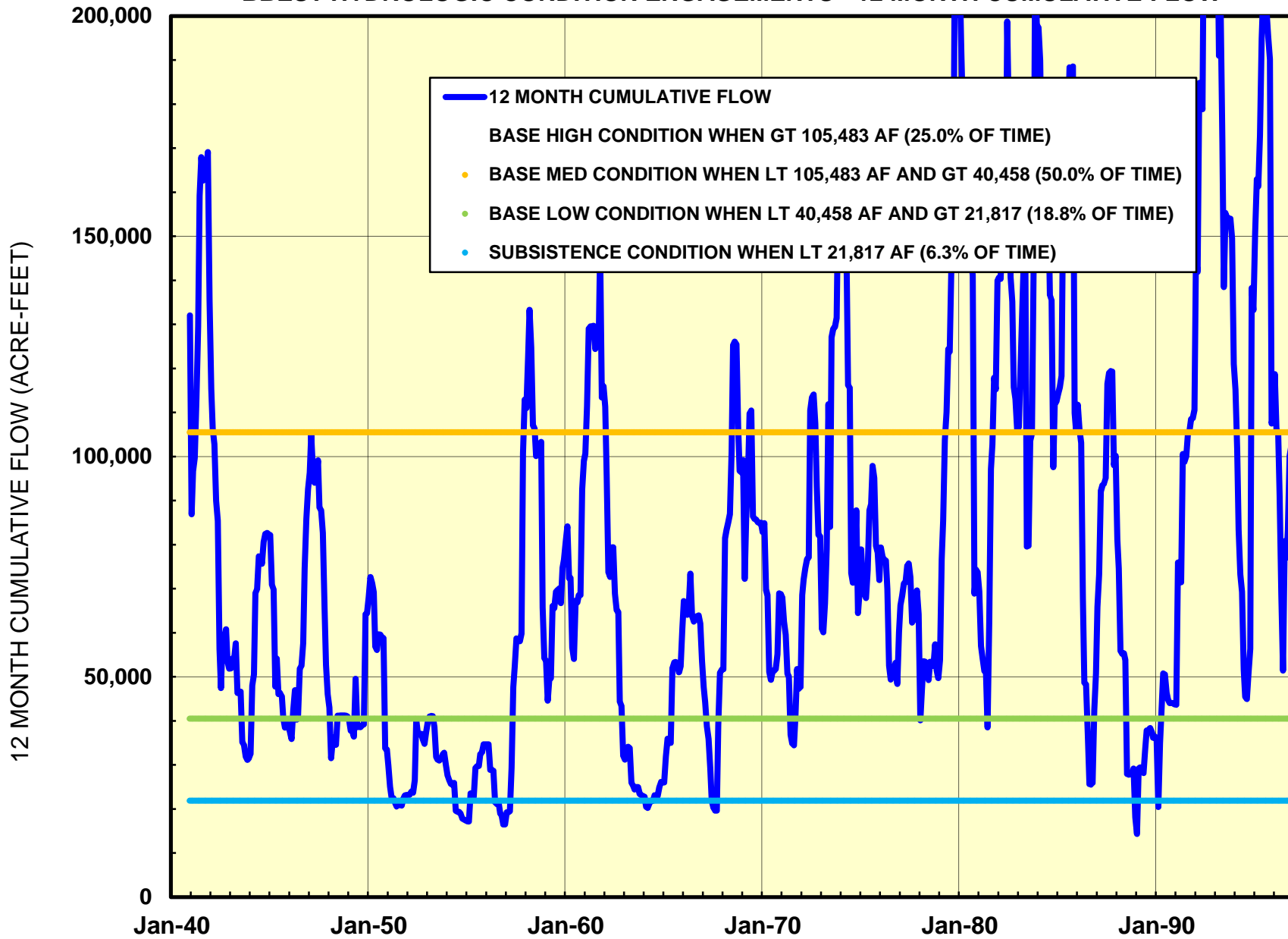
SIMULATED RESULTS FROM WAM USED TO DEVELOP TRIGGERS.
 HISTORICAL INFORMATION USED TO DEVELOP TRIGGERS.

(1) Period before 1970 estimated based on Lavaca River near Edna gage.

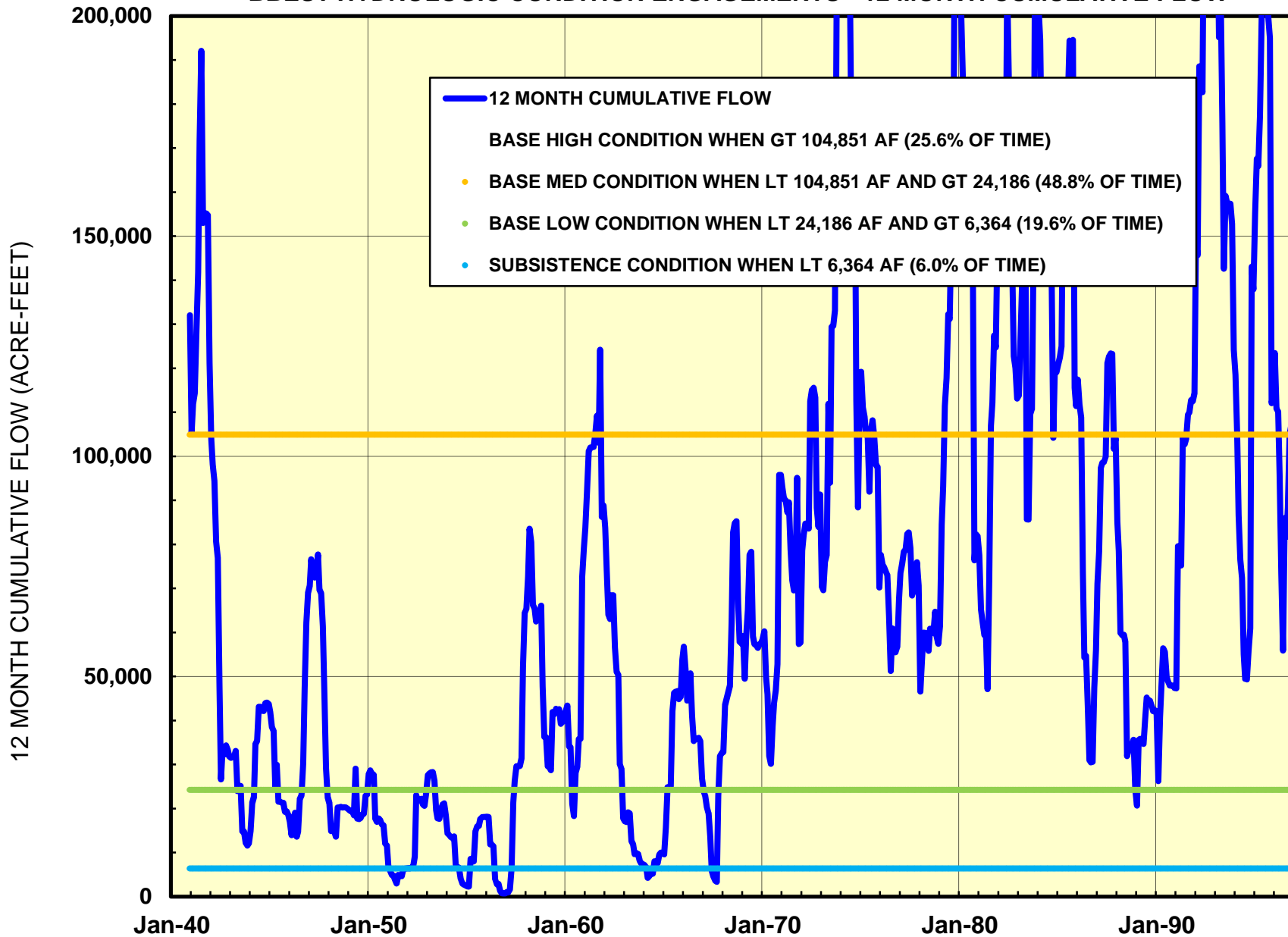
**TRES PALACIOS NR MIDFIELD SIMULATED FLOW FOR 1940-1996 (WAM RUN3)
BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW**



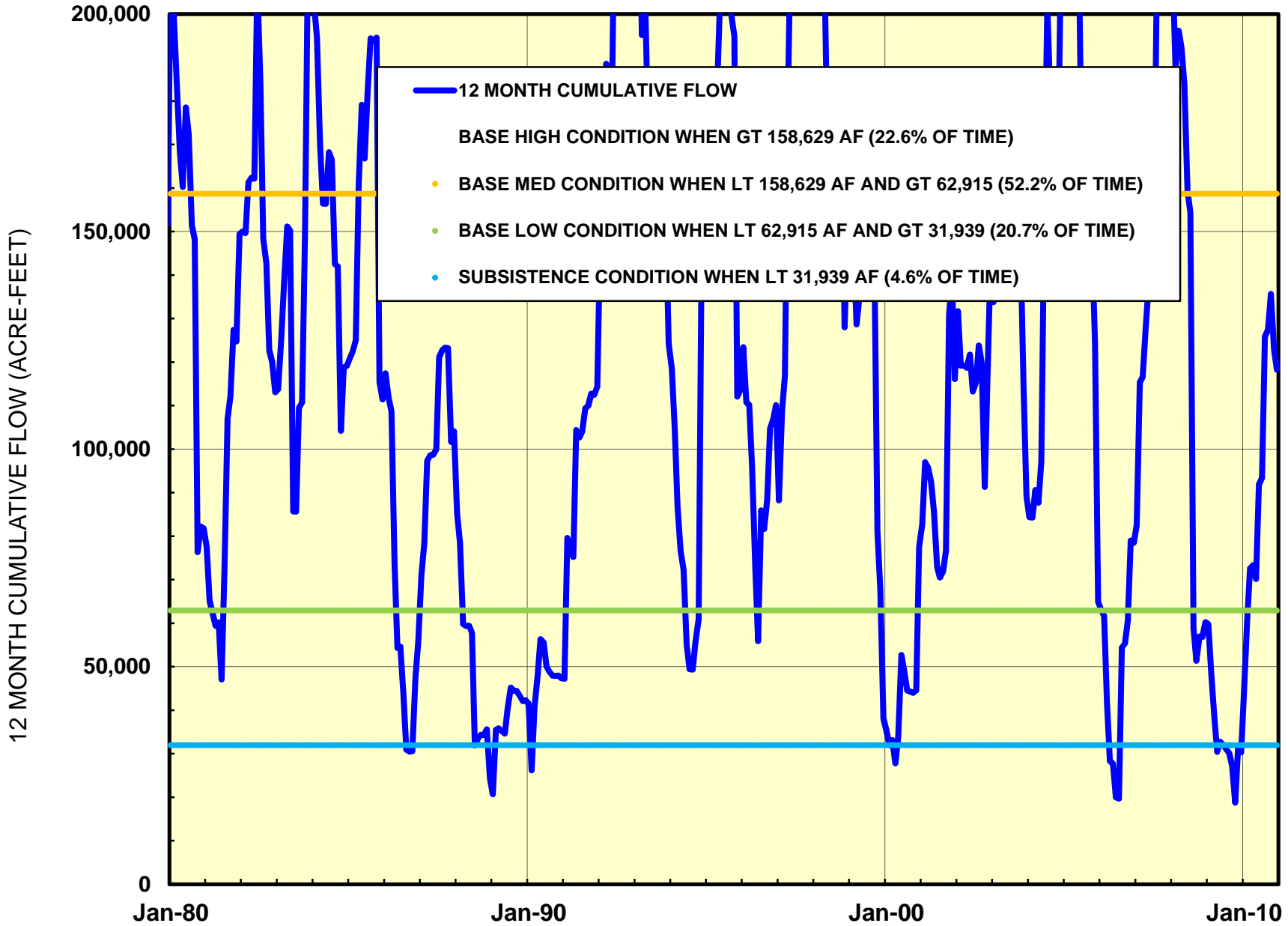
**TRES PALACIOS NR MIDFIELD SIMULATED FLOW FOR 1940-1996 (WAM RUN8)
BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW**



**TRES PALACIOS NR MIDFIELD HISTORICAL FLOW FOR 1940-1996 (OBSERVED)
BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW**



**TRES PALACIOS NR MIDFIELD HISTORICAL FLOW FOR 1980-2010 (OBSERVED)
BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW**



SUMMARY OF HYDROLOGIC CONDITION ENGAGEMENT ANALYSIS

USING BBEST IMPLEMENTATION APPROACH FOR GARCITAS CREEK NEAR INEZ

CL BBEST / BBASC August 11, 2011

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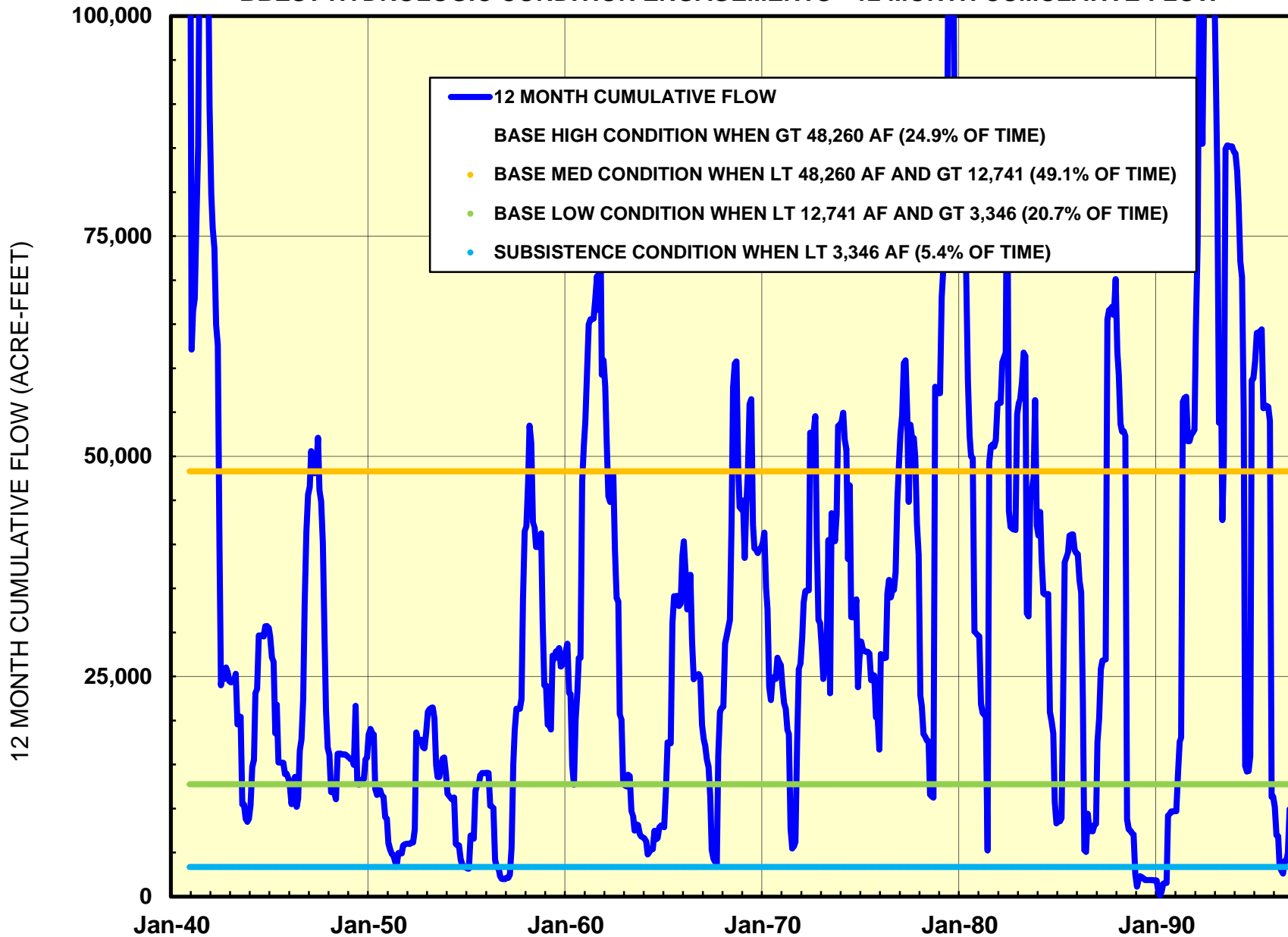
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	ENGAGED WHEN GREATER THAN:		ENGAGED WHEN BETWEEN:		ENGAGED WHEN BETWEEN:		ENGAGED WHEN LESS THAN:							
GARCITAS CREEK NEAR INEZ														
(1)	TCEQ RUN3	FLOW	132,000	SIM	1940-1998	48,260	24.9%	48,260 AND 12,741	49.1%	12,741 AND 3,346	20.7%	3,346	5.4%	
(2)	TCEQ RUN8	FLOW	132,000	SIM	1940-1998	48,260	24.9%	48,260 AND 12,741	49.1%	12,741 AND 3,346	20.7%	3,346	5.4%	
(3)	USGS (1)	FLOW	132,000	HIST	1940-1998	45,995	25.1%	45,995 AND 11,151	48.8%	11,151 AND 2,285	20.2%	2,285	5.8%	
(4)	USGS	FLOW	130,053	HIST	1980-2010	62,464	23.7%	62,464 AND 10,791	52.2%	10,791 AND 1,878	18.8%	1,878	5.4%	

KAF Volume in Thousand Acre-Feet
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 STO Storage
 ELEV Elevation

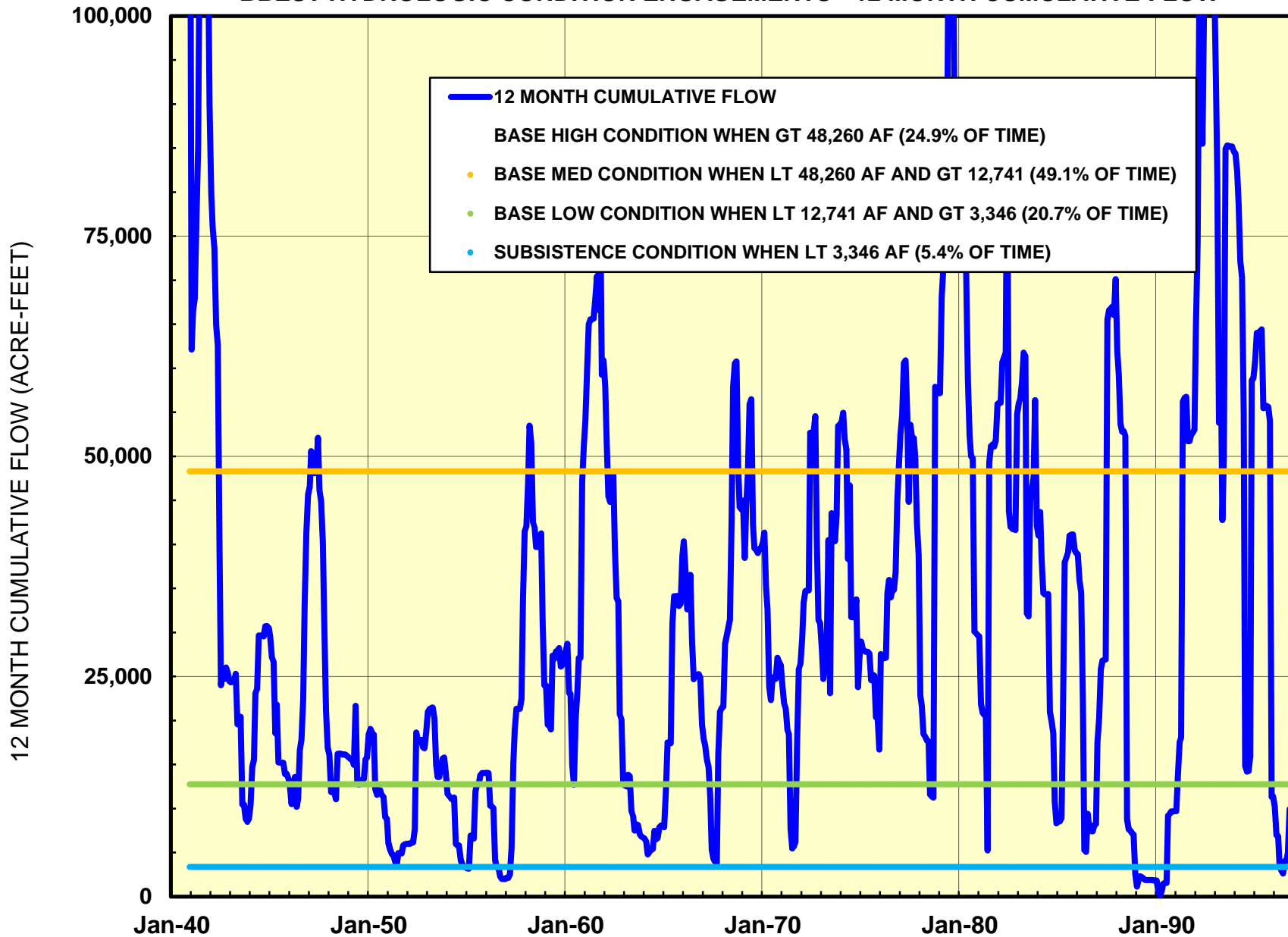
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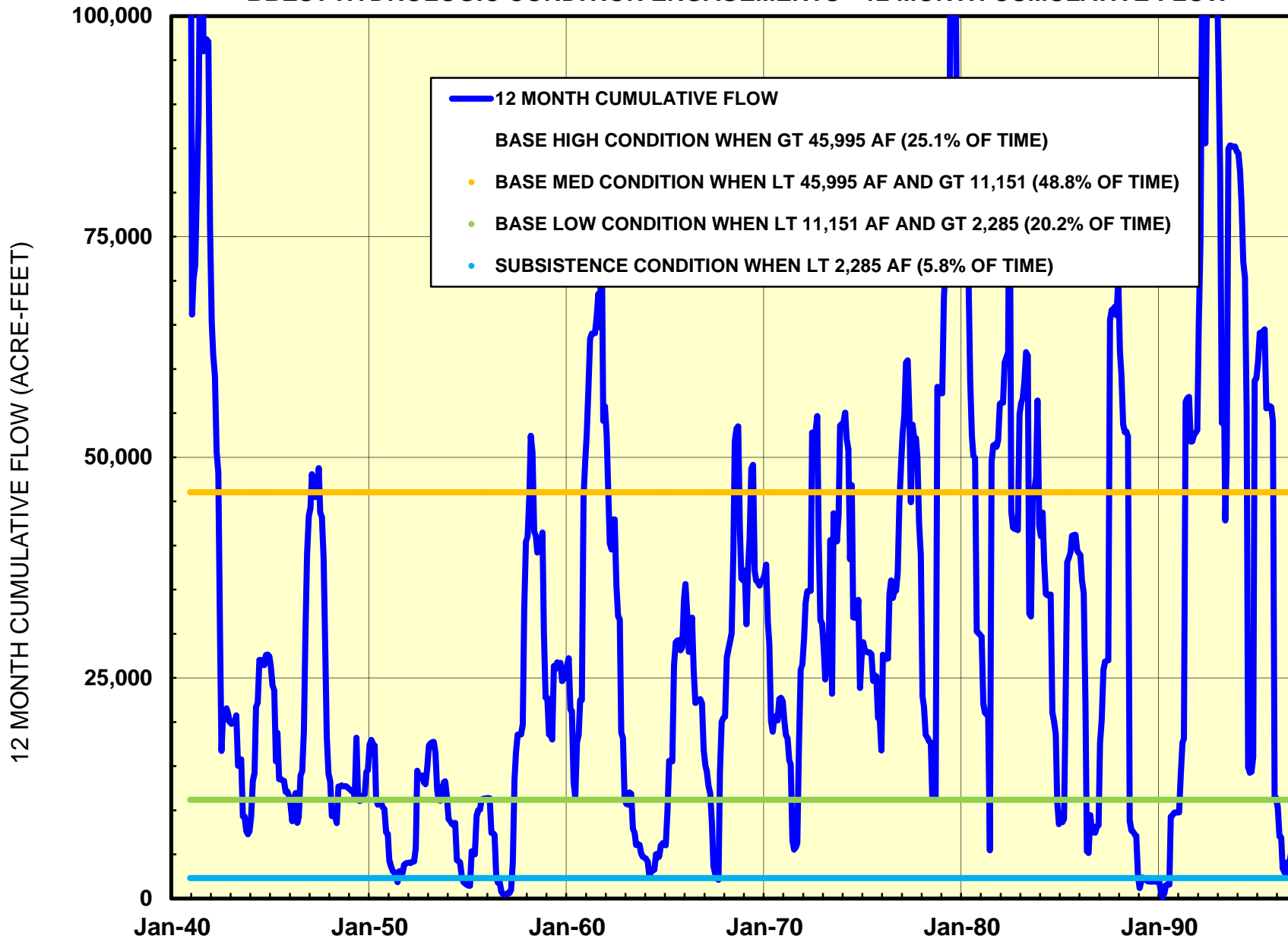
GARCITAS CREEK NEAR INEZ SIMULATED FLOW FOR 1940-1996 (WAM RUN3) BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW



GARCITAS CREEK NEAR INEZ SIMULATED FLOW FOR 1940-1996 (WAM RUN8) BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW



GARCITAS CREEK NEAR INEZ HISTORICAL FLOW FOR 1940-1996 (OBSERVED) BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW



**GARCIRAS CREEK NEAR INEZ HISTORICAL FLOW FOR 1980-2010 (OBSERVED)
 BBEST HYDROLOGIC CONDITION ENGAGEMENTS - 12 MONTH CUMULATIVE FLOW**

