

SUMMARY OF HYDROLOGIC CONDITION ENGAGEMENT ANALYSIS

USING BBEST APPROACH AND LNRA EXISTING TRIGGERS FOR LAKE TEXANA

TO BE USED FOR THE FOLLOWING SITES: EAST MUSTANG, WEST MUSTANG, NAVIDAD, SANDY CREEK, AND LAVACA

CL BBEST / BBASC August 10, 2011

D:\COL BBASC\HYDROCONDITION\08042011\OTH1-TEXANA\TEXANA ELEVATION AND STORAGE SUMMARY.xls\SUMMARY

8/10/11

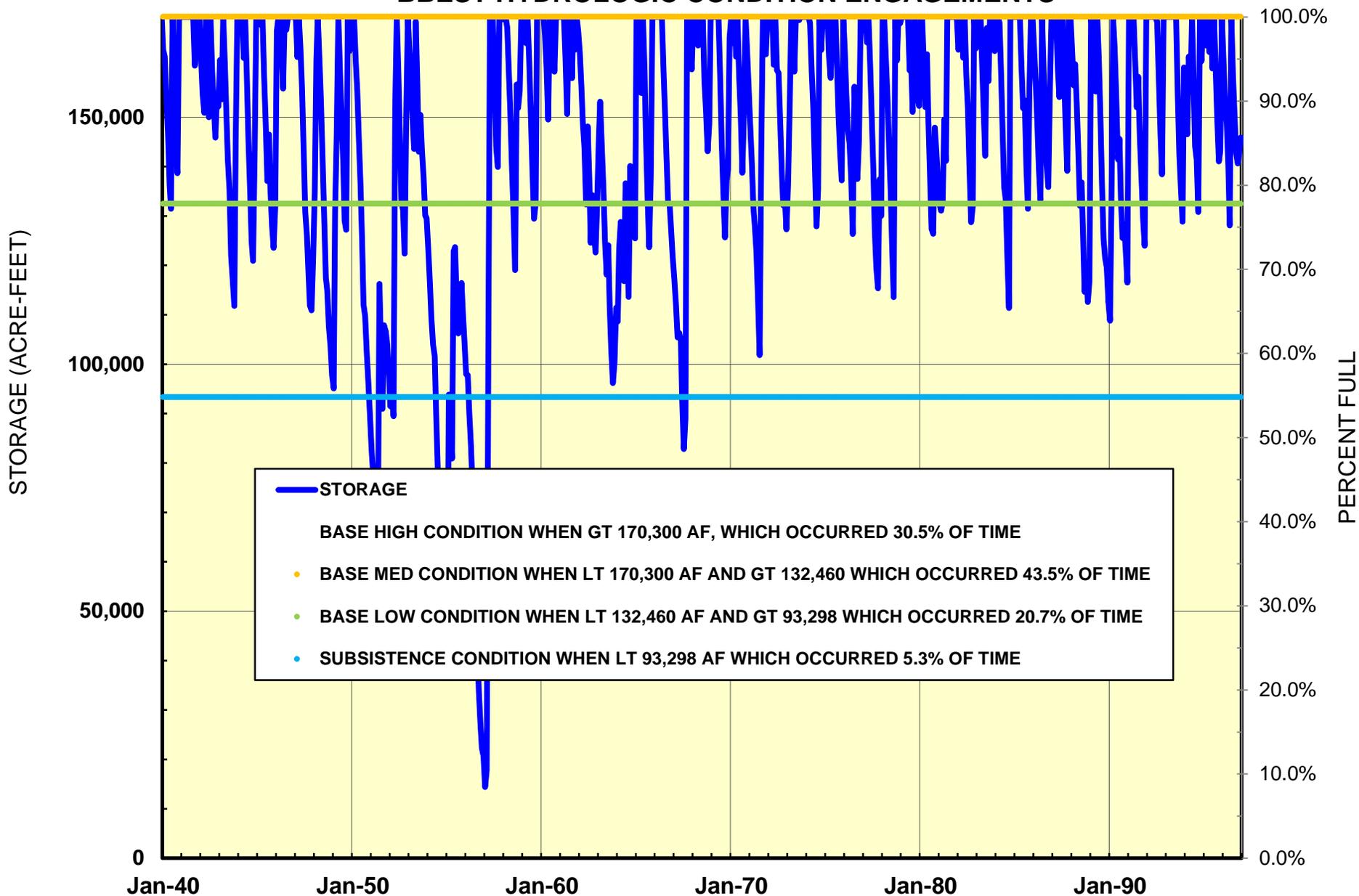
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PAGE #	DATA USED TO DEVELOP STORAGE/ELEVATION TRIGGERS					RESULTING TRIGGERS (BASED CONTENT OR ELEVATION IN LAKE TEXANA FOR PREVIOUS MONTH)							
	SOURCE DATA	HYDRO CONCEPT	CONSERVATION (storage in AF; elevation in msl)	TYPE	PERIOD OF RECORD	BASE HIGH TRIGGER		BASE MEDIUM TRIGGER		BASE LOW TRIGGER		SUBSISTENCE TRIGGER	
						GOAL; 25% OF TIME		GOAL; 50% OF TIME		GOAL; 20% OF TIME		GOAL; 5% OF TIME	
						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
LAKE TEXANA													
(1)	TCEQ RUN3	STORAGE	170,300	SIM	1940-1996	170,300	30.5%	170,300 AND 132,460	43.5%	132,460 AND 93,298	20.7%	93,298	5.3%
(2)	TCEQ RUN8	STORAGE	165,692	SIM	1940-1996	165,692	36.2%	165,692 AND 146,264	36.8%	146,264 AND 125,470	22.8%	125,470	4.2%
(3)	LNRA	ELEVATION: BBEST APPROACH	161,065 / 44.00	HIST	1983-2010	44.01	25.8%	44.01 AND 42.97	51.3%	42.97 AND 40.09	17.2%	40.09	5.6%
(4)	LNRA	ELEVATION: LNRA EXISTING TRIGGERS	161,065 / 44.00	HIST	1983-2010	44.00	26.4%	44.00 AND 43.00	50.7%	43.00 AND 39.95	18.1%	39.95	4.7%

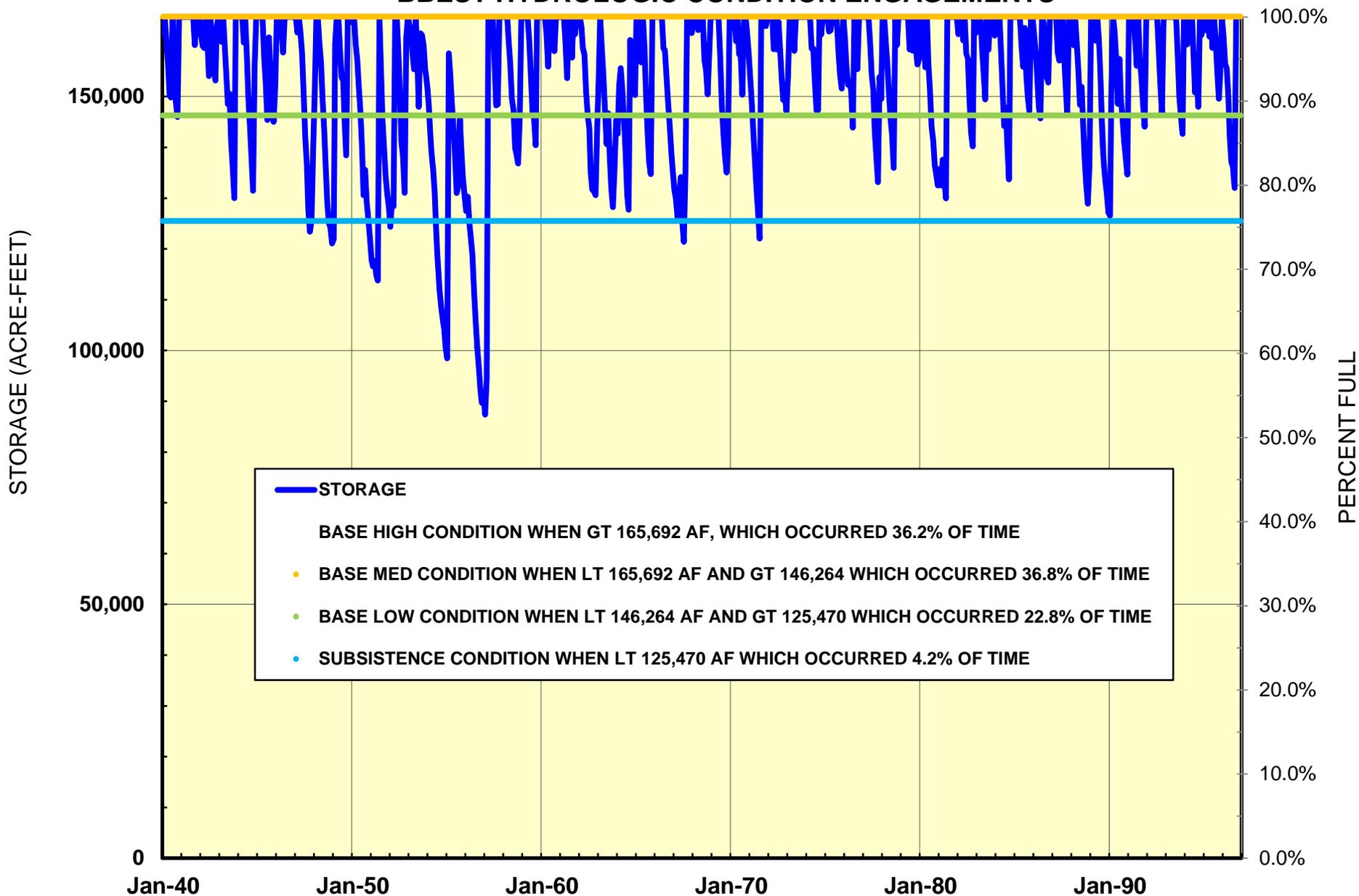
KAF Volume in Thousand Acre-Feet
 MSL Elevation Referenced to Mean Sea Level
 STO Storage
 ELEV Elevation

SIMULATED RESULTS FROM WAM USED TO DEVELOP TRIGGERS.
 HISTORICAL INFORMATION USED TO DEVELOP TRIGGERS.
 TRIGGERS PROVIDED BY LNRA STAFF (BASED ON EXISTING PERMIT CONDITIONS) AND STYLED TO FIT INTO BBEST FRAMEWORK.

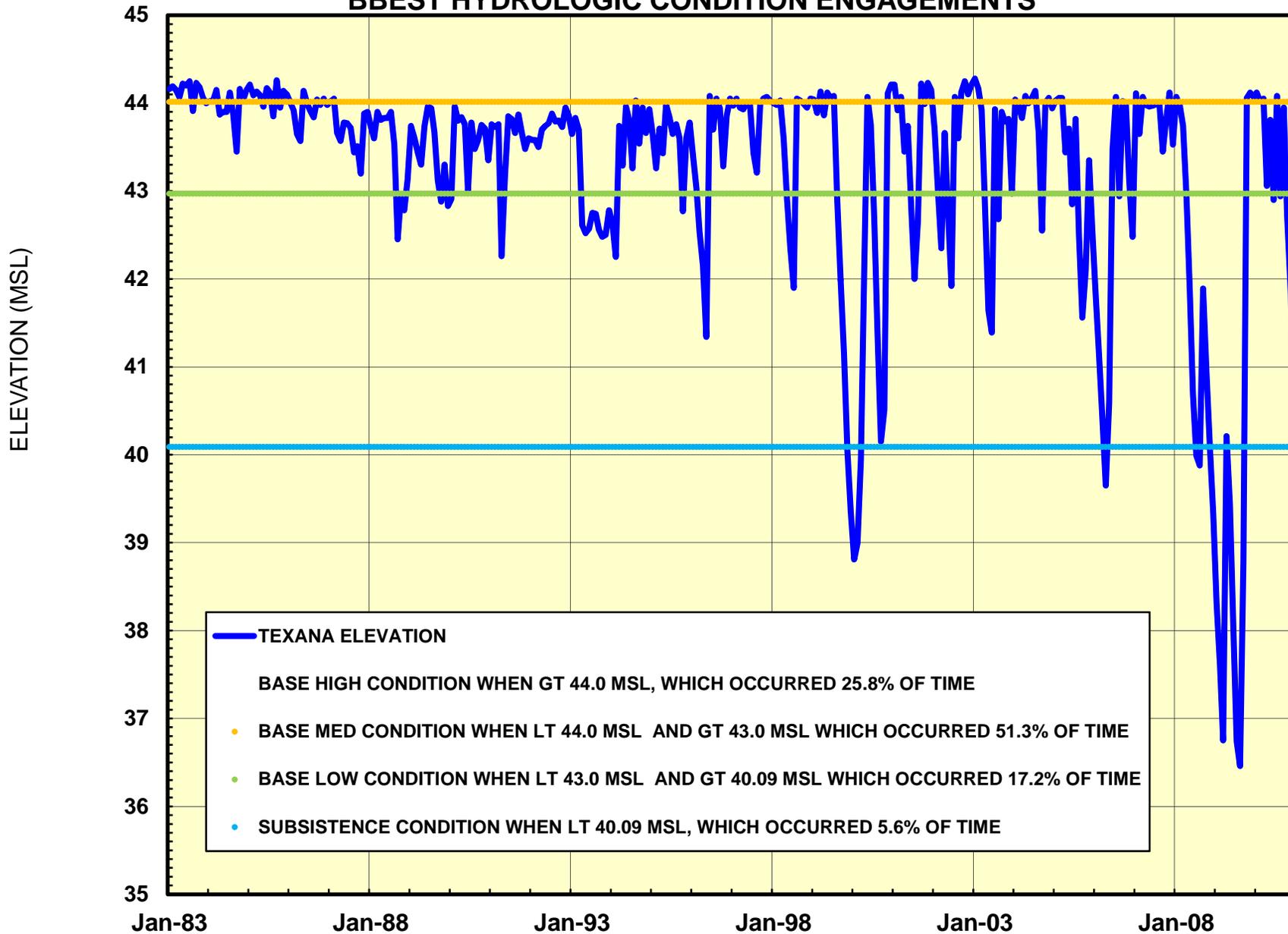
LAKE TEXANA SIMULATED STORAGE FOR 1940-1996 (TCEQ WAM RUN3) BBEST HYDROLOGIC CONDITION ENGAGEMENTS



LAKE TEXANA SIMULATED STORAGE FOR 1940-1996 (TCEQ WAM RUN8) BBEST HYDROLOGIC CONDITION ENGAGEMENTS



LAKE TEXANA HISTORICAL ELEVATION FOR 1983-2010 (LNRA) BBEST HYDROLOGIC CONDITION ENGAGEMENTS



**LAKE TEXANA HISTORICAL ELEVATION FOR 1983-2010 (LNRA)
 USING EXISTING LNRA TEXANA TRIGGERS FITTED TO BBEST CLASSIFICATIONS**

