Appendix

Table A- 1.. Statistical summary of Oroville Dam and related facilities.

Pertinent Data				
Oroville Dam				
Crest Elevation	922	ft	281.03	m
Height	742	ft	226.16	m
Total Freeboard	108.4	ft	33.04	m
Operating Freeboard	21	ft	6.40	m
Streambed Elevation	180	ft	54.86	m
Lake Oroville				
Maximum Operating Storage	3537577	AF	4364	hm^3
Storage, Flood Control Pool	2778000	AF	3427	hm^3
Dead Pool Storage	29638	AF	37	hm^3
Max Operating Surface Elevation	900	ft	274.32	m
Surface Elevation, Flood Control	848.5	ft	258.62	m
Min Operating Surface Elevation	640	ft	195.05	m
Dead Pool Surface Elevation	340	ft	103.63	m
Max Operating Surface Area	15805	acres	63.96	km^2
Min Operating Surface Area	5838	acres	23.63	km^2
Reservoir Area	15805	acres	63.96	km^2
Drainage Area	3607	sq miles	9342.09	km^2
Spillways				
Emergency Spillway Crest Elevation	901	ft	274.62	m
Emergency Spillway Design Capacity	350000	cfs	9910.90	m^3/s
Main Spillway Flood Control Sill Elev	813.6	ft	247.99	m
Main Spillway Design Capacity	277000	cfs	7843.77	m^3/s

PMF 1968 - Combined Inflow	720000	cfs	20388.13	m^3/s
PMF 1968 - Combined Outflow	624000	cfs	17669.71	m^3/s
Maximum Surface Elevation	917	ft	279.50	m
Powerplant Intake				
Maximum generating release	16900	cfs	478.55	m^3/s
Pumping Capacity	5610	cfs	158.86	m^3/s
Outlet Works				
River Outlet Capacity	5400	cfs	152.91	m^3/s
Palermo Outlet Tunnel Capacity	40	cfs	1.13	m^3/s

Table A- 2. Analyzed precipitation measurement stations and related information.

Station Name	Station ID	Latitude	Longitude	Data Source	Record
Las Plumas	USC00044812	39.6833	-121.4833	NOAA	1913-1967
Bucks Creek	USC00041159	39.9372	-121.314	NOAA	1959-2016
Quincy	QCY	39.935	-120.95	CA DWR/O & M	1905-1979
Canyon Dam	CNY	40.167	-121.083	Pacific Gas & Electric	1907-1982
Caribou	CBO	40.085	-121.15	Pacific Gas & Electric	1920-1995
Brush Creek	BRS	39.692	-121.339	CA DWR/O & M	1935-2010

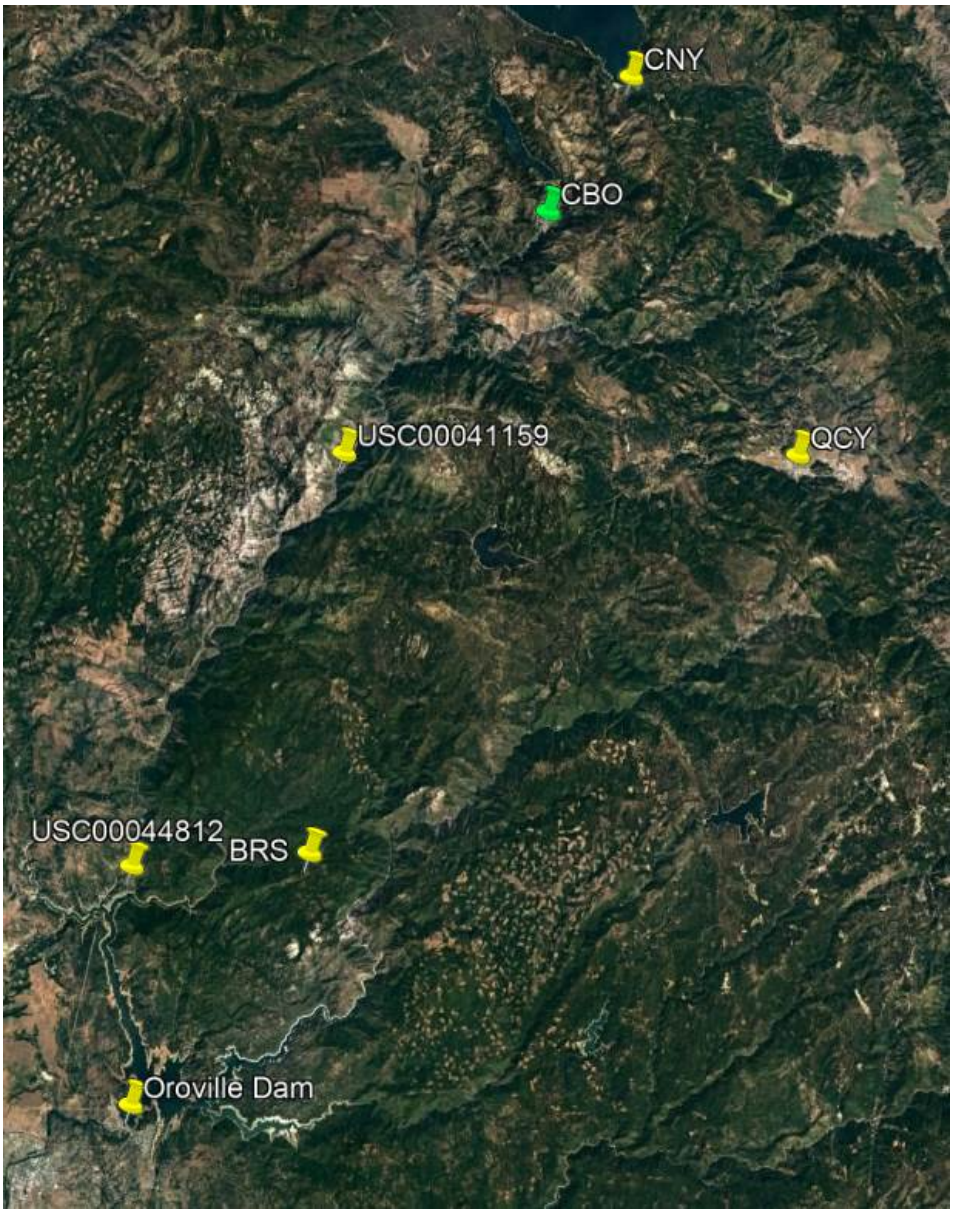

Figure A- 1. Analyzed precipitation measurement stations and related information. Source: Google Earth (2017)

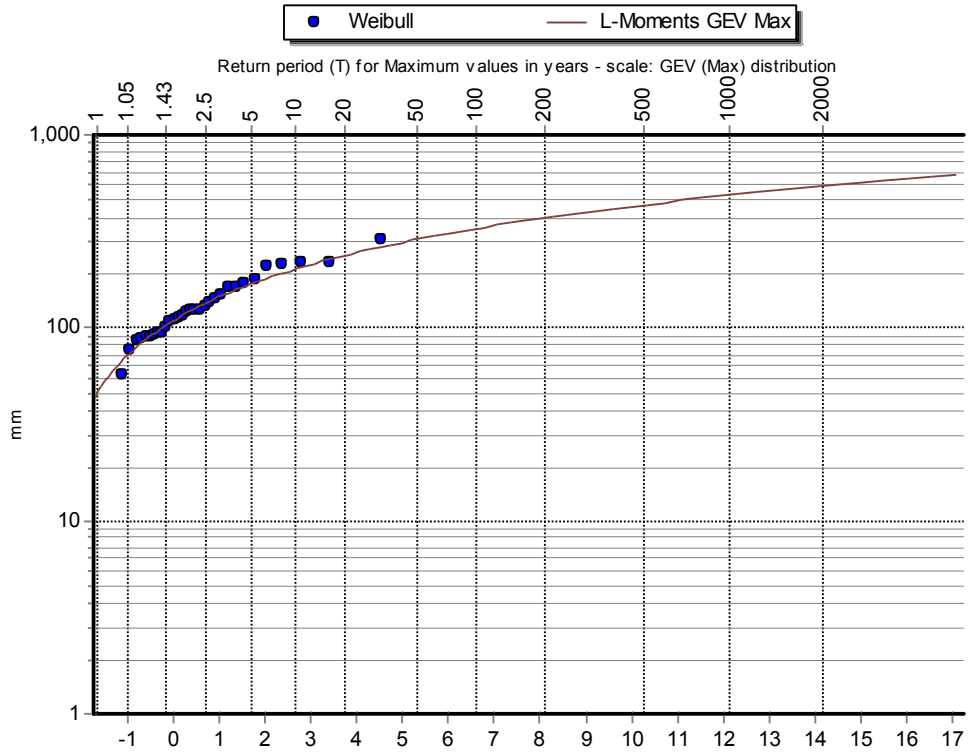

Figure A- 2. L-Moments GEV-Max distribution fit to annual daily maxima of precipitation measurements, Brush Creek station (BRS)

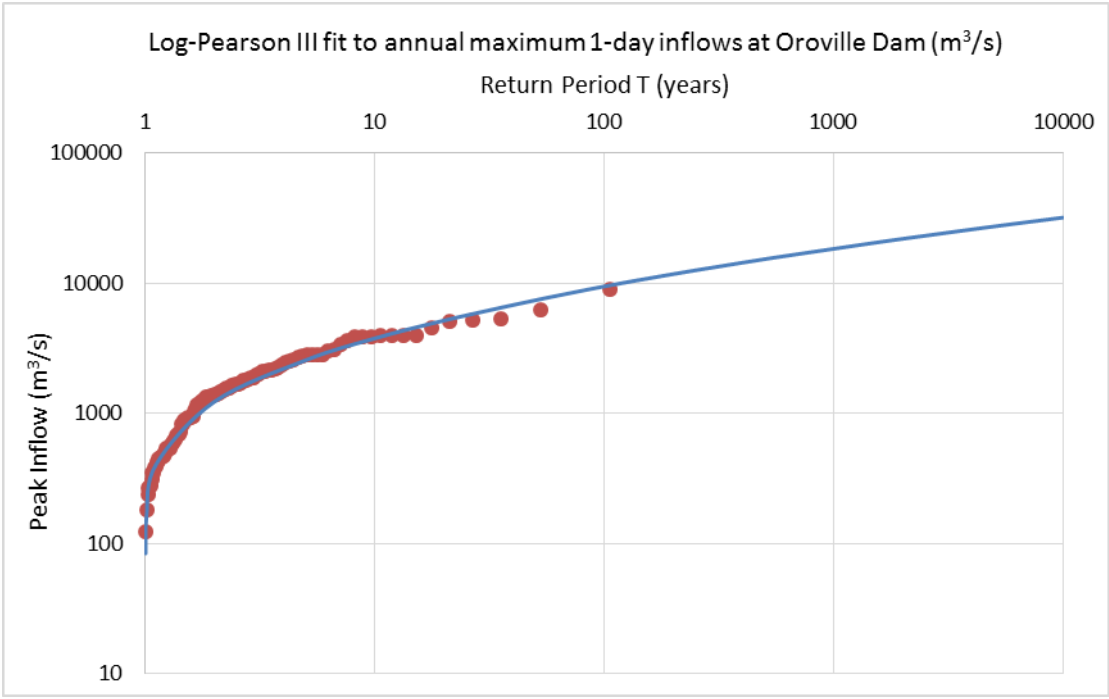

Figure A- 3. Log-Pearson III distribution fit to annual unregulated maximum 1-day inflows at Oroville Dam (m^3/s).

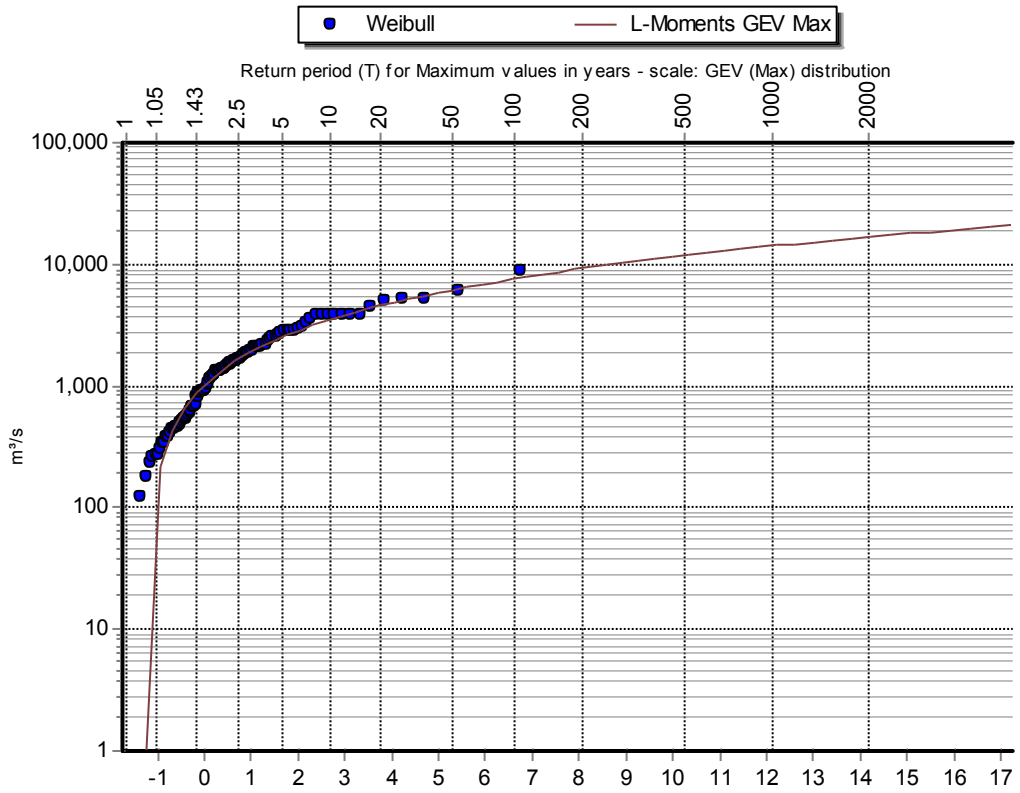

Figure A- 4. L-Moments GEV-Max distribution fit to annual unregulated maximum 1-day inflows at Oroville Dam (m^3/s).