

Appendix I

Policy and Scenario Assessment Model Example Runs

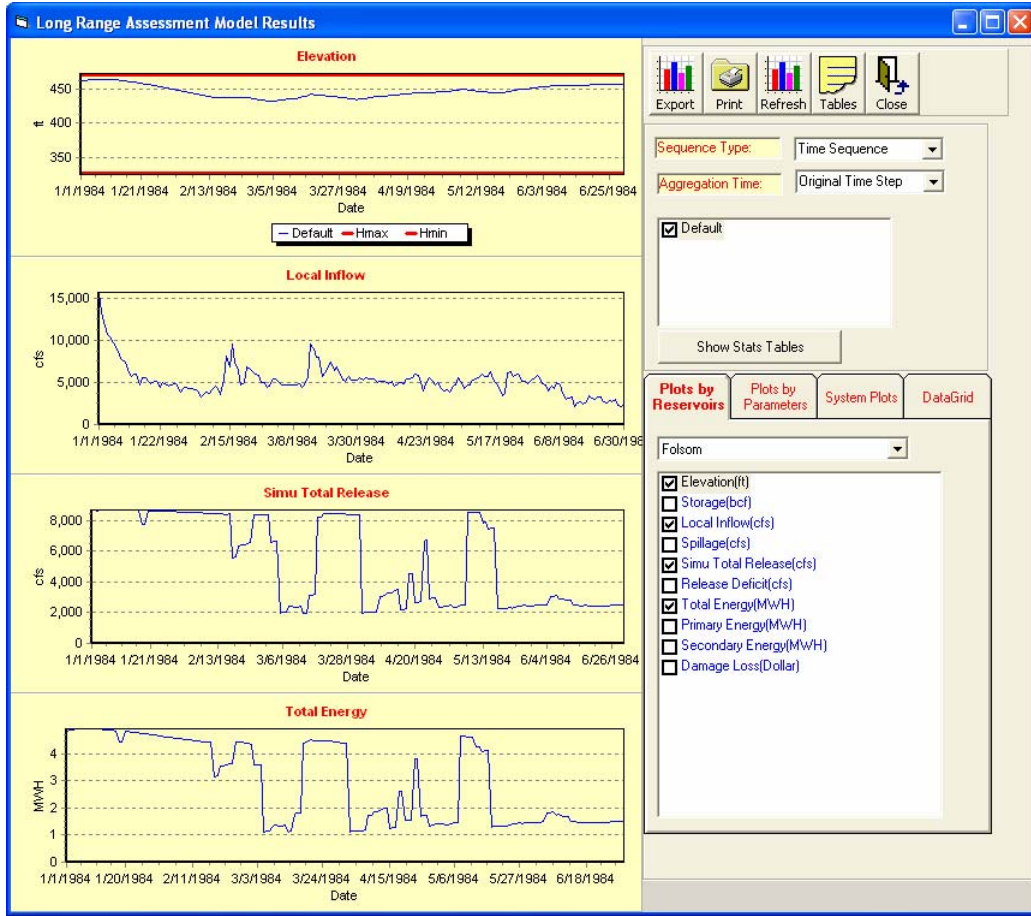


Figure I-1: Elevation, Inflow, Release, and Energy Sequences for Assessment Run; Folsom

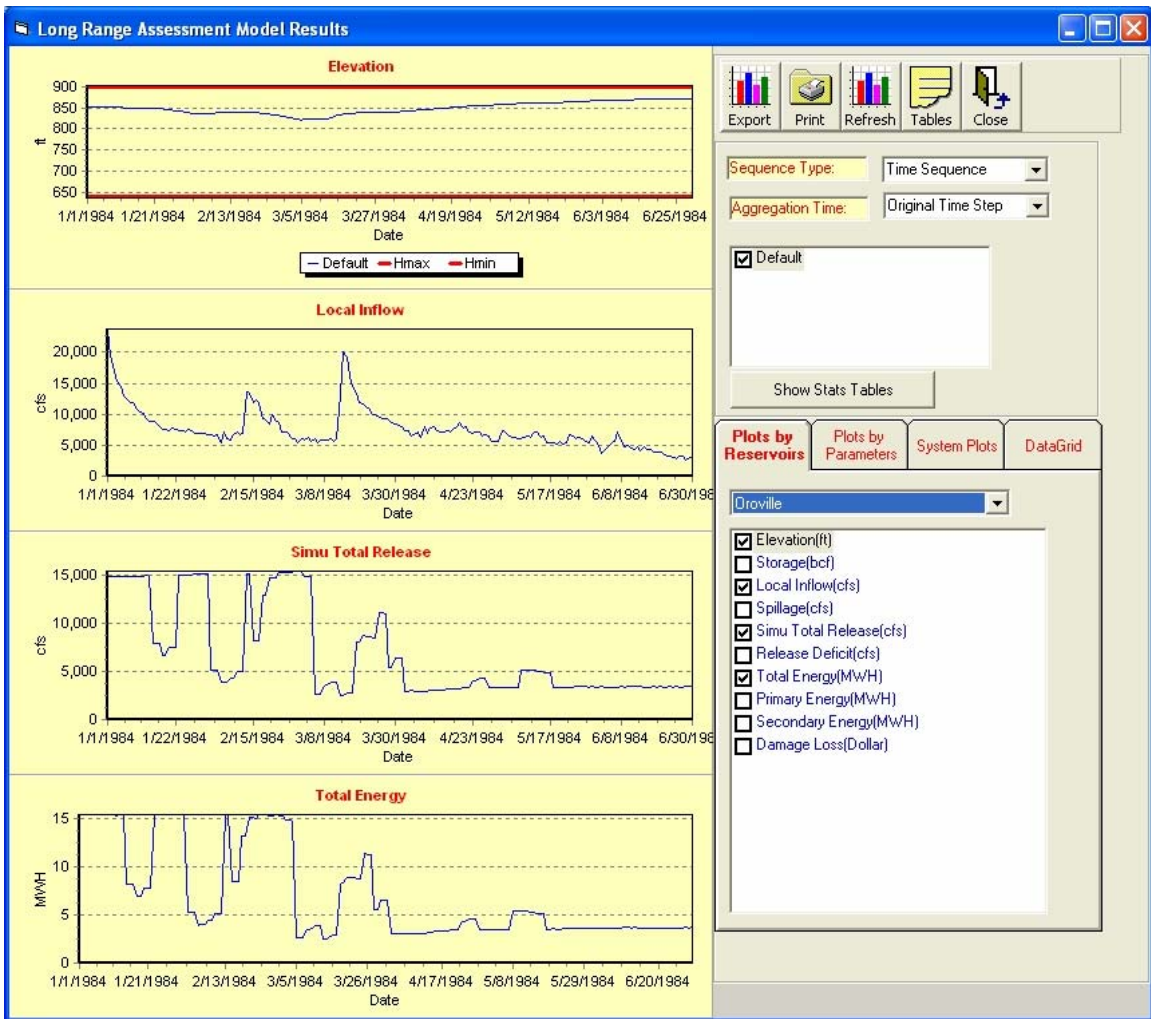


Figure I-2: Elevation, Inflow, Release, and Energy Sequences for Assessment Run; Oroville

Table I-1: Comparison of Simple and Dynamic Reservoir Regulation Policies

Historical Climate Assessments Using the **Heuristic Decision Rule**

Forecast Scheme	Upstream Storage (1000 Ac-Ft)	Energy (GWH)	Energy Value (Million \$)	Spillage (BCF)	Min. Flow Violations (Days)	Flood Damage (Million \$)
Operational Forecasts	200	583.9	53.23	12.99	0	0
Ensemble Forecasts	200	583.7	53.20	13.00	0	0
Perfect Forecasts	200	584.4	53.30	12.94	0	0

Historical Climate Assessments Using the **Folsom DSS**

Forecast Scheme	Reliability	Energy (GWH)	Energy Value (Million \$)	Spillage (BCF)	Min. Flow Violations (Days)	Flood Damage (Million \$)
Operational Forecasts	Deterministic	620.06	56.37	11.57	0.00	841.48
Ensemble ESP	50%	615.55	56.02	12.58	0.00	841.48
	90%	637.11	57.80	5.98	0.00	0.00
Perfect Forecasts	Deterministic	662.41	60.22	4.84	0.00	0.00