Utah Lake Analysis from Hagelhart

Gage Height feet	Capacity ac/ft	Diff ac ft	Surface Area acres	Diff acres
0 (Compromise)	898,000	93700	95200	2900
-1.00	804300	91,000	92300	2600
-2.00	713,300		89700	

Utah Lake Storage (Estimated)

Month	Surface area acres	inflow ac ft	outflow[L5] ac ft	Storage ac ft	River flow cfs.	gage Height
Jan[L1]	95,200	75,000	50,000	25,000	650	0.0
96,100 Feb	[illegible]	75,000	50,000	25000		0.26
March	96700	100,000	50,000	50,000		0.52
April	98100	80,000	50,000	30,000		1.04
May	98,900[L2]				800[L3]	1.34[L4]

L1 ~~lake~~ Gage Height 0.02 — Jan 6, 1976

L2 estimated increase in inundated area 3700 acres

L3 inflow estimated increase to 800 cfs

L4 estimated gage Height May 1, 1976 ~~1.34~~ at +1.34

L5 Pumping cost ~~approx~~ about $7000 per Month capacity of river 850-900 cfs with local flooding. Full pumpage at 900 cfs estimated increase in discharge 42,000 acre feet or ~~[illegible]~~ 0.42 gage height ±

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