	2019 Trigger Locations	Date Observed	Upper Twin Lake Storage (UTL)		Turtle Pond Storage (TP)		Lower Twin Lake (LTL) water level	
			Feet	Meters	Feet	Meters	Feet	Meters
1)	Snow Pack 2019	78% N	LTL at 80 ac. one vertical in. of water = 6.67 ac.ft. or 2.173 MUSg					
2)	Lake Ice Off	7-Apr-19	0.25	0.80	1.10	0.35	15.90	4.80
3)	DL 1469s culverts ice out but rip rap	13-Apr-19 rocks filling culverts	0.43	0.13	1.10	0.35	16.00	4.90
4)	Water into UTL	No surface water into UTL						
5)	Water over Spillway UTL	No water over	0.43	0.13	0.43	0.13	15.90	4.80
6)	Water into Lower Twin Lake	No surface water into LTL						
7)	Horn Creek Surfac Flow Stops	No Water logging trucks	0.56	0.17	0.00	0.00	15.14	4.60
8)	Spillway Not Active	XX		0.00	-3.00 from WCG	-0.91	15.50	4.72
9)	TP Flow to LTL Begins at .4m	No Flow to LTL in 2019						
10)	North Strata Rd. Spill - Full Pool	None as levels falling						
11)	Natures Trust Culvert Opened	30-Jun-19 Small Flow Out	0.00	0.00	-3.00 horizontal	-0.91	15.50	4.72
12)	Natures Trust Culvert Closed	Nov.30, 2019	0.00	0.00	-3.00	-0.91	14.00	4.27
13)	Twin Lake Peak	30-Mar-19	0.42	0.13	0.82	0.25	16.25	4.95
14)	LNID Pump On	28-Mar-19	test 24 hr					
15)	LNID Pump Off	29-Mar-19						
16)	Diesel Pump On	No						
17)	Diesel Pump Off							
18)	Ice On	30-Nov-19	0.00	0.00	-3.00	-0.91	14.00	4.27
19)	LTL Tree line 19.5 ft Flood of structures	ft.is full pool. s at 21 ft.	Feet		Consider TLGR irrigation Mid April to Sept 30. Surface to ground w ater is latent.			
20)	Freshet (UTL 3ft. of licenced stor)		0 freshet		From - change in peak flow indicated by change in gain for each water body, and subtraction of prior "ice-on" levels vels in fall season of prior year			
21)	LTL + UTL Evaporation, Use & Seepage (EUS)		4 loss		Assumption taken from Preliminary Botham Re eport 1973 3 average i EUS is 4.37 ft.			
22)	Total Pumped		.25inch		for pump test			
23)	Next freshet capacity	7' LTL + 3' UTL	10 ft.		Twin Lake flood trigger point elevation subtract Twin Lake level at ice on fall 2018 Turtle Pond some additional storage.			