Lyell blw Madure 6/25/20
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R. Hallnan, J. Deane
Data Download & Salt Slugs

* TD @ 9:02 = 10 - 2.38 = 7.62 ft

Public Table

RecNum	65348	
TimeStamp	6/25/2020	9:09 AM
BattV	13.04874 V	
Lvl_ft	1.89109	
Temp_C	5.610958	
Observed	7.21 ft	
Lvl_corr	7.5849 ft	
Offset	5.692995 ft	
Cond	0	
Ct	0	
Temp_C_2	0	
SpCond	0	
Rs_1	0.998	
Rs_2	522.5191	
Rs_3	522.5131	
Ct_1	0.002700411	
Ct_2	1.486227	
SC_uS	2.415532	
WaterT_C457	5.763977	

Lyell below
Madure, Cont. pg 2 of 4

- Current program: LyellblwMadure_8-14-18
* While gage pool is turbulent, the offset was still reset since a difference of 0.05ft in stage was larger than fluctuations.
New Offset =

* New Program: LyellblwMadureCo-20200625

Discharge - WetSalt Slug - #1

Primary Soln: 2000mL w/ ~450g NaCl
- 3.0mL = 1997mL
Secondary Soln: 1000mL + 3.0mL = 1003mL
Calibration Soln: 1000mL H_2O

TD @ 9:43 = 10 - 2.38 = 7.62ft
Background SPC = 5.3 $\frac{\mu S}{cm}$
Slug @ 9:44
Peak SPC = 11.7 $\frac{\mu S}{cm}$
End SPC = 5.3 $\frac{\mu S}{cm}$
TD @ 9:58 = 10 - 2.38 = 7.62ft

Started logging @ 9:43
Stopped logging @ 9:52

Calibration ~~Solo~~ $R_0 = 7.3$ MS/cm

$R_1 = 8.9$ MS/cm	$V_1 = 1.5$ mL
$R_2 = 10.6$	$V_2 = 1.5$
$R_3 = 12.2$	$V_3 = 1.5$
$R_4 = 13.8$	$V_4 = 1.5$
$R_5 = 15.3$	$V_5 = 1.5$
$R_6 = 17.0$	$V_6 = 1.5$
$R_7 = 18.6$	$V_7 = 1.5$
$R_8 = 20.2$	$V_8 = 1.5$
$R_9 = 21.9$	$V_9 = 1.5$
$R_{10} = 23.4$	$V_{10} = 1.5$

Discharge - Wet Salt Slug - #2

Primary Soln: 2000mL w/ ~450g NaCl -3mL = 1997mL

Secondary Soln: 1000mL + 3mL = 1003mL

Calibration Soln: 1000mL

TD @ 10:36 = 10 − 2.39 = 7.61 ft

Background SPC = 5.4 MS/cm

Slug @ 10:36

Peak SPC = 11.8 MS/cm

End SPC = 5.4 MS/cm

T.D @ 10:50 = 10 − 2.41 = 7.59 ft

Started Logging 1035 Stopped logging 10:43

Rite in the Rain

Lyell/blw Maclure Cont.

Calibration: $R_0 = 6.3 \frac{\mu S}{cm}$

$R_1 = 8.7 \frac{\mu S}{cm}$	$V_1 = 1.5 mL$
$R_2 = 10.7 \frac{\mu S}{cm}$	$V_2 = 1.5 mL$
$R_3 = 13.1 \frac{\mu S}{cm}$	$V_3 = 1.5 mL$
$R_4 = 15.5 \frac{\mu S}{cm}$	$V_4 = 1.5 mL$
$R_5 = 17.6 \frac{\mu S}{cm}$	$V_5 = 1.5 mL$
$R_6 = 19.6 \frac{\mu S}{cm}$	$V_6 = 1.5 mL$
$R_7 = 21.6 \frac{\mu S}{cm}$	$V_7 = 1.5 mL$
$R_8 = 23.7 \frac{\mu S}{cm}$	$V_8 = 1.5 mL$
$R_9 = 25.6 \frac{\mu S}{cm}$	$V_9 = 1.5 mL$
$R_{10} = 27.7 \frac{\mu S}{cm}$	$V_{10} = 1.5 mL$

*T°C = 8.7°C @ 11:03 AM → of calibration bath

Notes:

- Conduit b/t Solar & Batt is disconnected → very tight → consider replacing
  → Need: at least ~~7~~ ft, 1 in Dia

- New dessicant (both) needed next visit.

TD = 10 − 2.40 = 7.60 ft @ 11:06

* Gage pool turbulent for entire visit.