Tyell below Madsen 8/19/20
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- R. Hallnan, J. Annatelli, M. Hoffman
  * Arrived @ 09:20 PDT
- Data Download, Discharge, Survey, & Instrument Swap

Discharge # 1 - Wet Salt Slug

- Primary Soln = 1000mL - 3mL = 997mL w/ ~200g NaCl
- Secondary Soln = 1000mL + 3mL = 1003mL
- Calibration Soln = 1000mL

TD @ 09:43 = 10 - 2.90 = 7.10 ft
Slug @ 09:35
Background SPC = 8.4 $\frac{\mu S}{cm}$
Peak SPC = 13.3 $\frac{\mu S}{cm}$
End SPC = 8.4 $\frac{\mu S}{cm}$
TD @ 09:56 = 10 - 2.90 = 7.10 ft

Calibration Curve

$R_0 = 8.8 \frac{\mu S}{cm}$	$V_0 = 0$
$R_1 = 9.8 \frac{\mu S}{cm}$	$V_1 = 1.5$ mL
$R_2 = 10.9 \frac{\mu S}{cm}$	$V_2 = 1.5$ mL
$R_3 = 11.9 \frac{\mu S}{cm}$	$V_3 = 1.5$ mL
$R_4 = 12.9 \frac{\mu S}{cm}$	$V_4 = 1.5$ mL
$R_5 = 13.9 \frac{\mu S}{cm}$	$V_5 = 1.5$ mL
$R_6 = 14.9 \frac{\mu S}{cm}$	$V_6 = 1.5$ mL
$R_7 = 16.0 \frac{\mu S}{cm}$	$V_7 = 1.5$ mL

Lyell below Maclure, Cont.

Calibration, Cont.

$R_8 = 16.8 \frac{\mu s}{cm}$	$V_8 = 1.5$ mL
$R_9 = 17.7 \frac{\mu s}{cm}$	$V_9 = 1.5$ mL
$R_{10} = 18.8 \frac{\mu s}{cm}$	$V_{10} = 1.5$ mL
$R_{11} = 19.9 \frac{\mu s}{cm}$	$V_{11} = 1.5$ mL
$R_{12} = 20.8 \frac{\mu s}{cm}$	$V_{12} = 1.5$ mL
$R_{13} = 21.7 \frac{\mu s}{cm}$	$V_{13} = 1.5$ mL
$R_{14} = 22.6 \frac{\mu s}{cm}$	$V_{14} = 1.5$ mL
$R_{15} = 23.5 \frac{\mu s}{cm}$	$V_{15} = 1.5$ mL
$R_{16} = 24.5 \frac{\mu s}{cm}$	$V_{16} = 1.5$ mL
$R_{17} = 25.5 \frac{\mu s}{cm}$	$V_{17} = 1.5$ mL
$R_{18} = 26.4 \frac{\mu s}{cm}$	$V_{18} = 1.5$ mL

Logger Swap

	Instrument	SN	Time In / Out [PDT]	
NEW [In]	Levelogger	6022065035	11:06	—
	Barologger	0012045039	10:13	—
	TempRH	20189568	10:02	—
	TidBit	20457212	10:02	—
OLD [Removed]	Levelogger	6022052258	—	10:18
	Barologger	0012081180	—	10:09
	TempRH		—	9:59
	TidBit		—	9:59

TD = 10-2.91 @ 10:19 & 11:15

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Discharge #2 - Wet Salt Slug

Primary Soln = 1000mL - 3mL = 997mL w/ ~200g NaCl
Secondary Soln = 1000mL + 3mL = 1003mL
Calibration Soln = 1000mL

TD @ 10:22 = 10 - 2.91 = 7.09ft
Slug @ 10:23
Background SPC = 8.3 $\frac{\mu S}{cm}$
Peak SPC = 12.7 $\frac{\mu S}{cm}$
End SPC = 8.3 $\frac{\mu S}{cm}$
TD @ 10:45 = 10 - 2.91 = 7.09ft

Calibration Curve

$R_0 = 8.5 \frac{\mu S}{cm}$	$V_0 = 0$
$R_1 = 14.8 \frac{\mu S}{cm}$	$V_1 = 1.5mL$
$R_2 = 16.8 \frac{\mu S}{cm}$	$V_2 = 1.5mL$
$R_3 = 18.6 \frac{\mu S}{cm}$	$V_3 = 1.5mL$
$R_4 = 20.4 \frac{\mu S}{cm}$	$V_4 = 1.5mL$
$R_5 = 22.1 \frac{\mu S}{cm}$	$V_5 = 1.5mL$
$R_6 = 24.0 \frac{\mu S}{cm}$	$V_6 = 1.5mL$
$R_7 = 25.7 \frac{\mu S}{cm}$	$V_7 = 1.5mL$

Temp of Calibration Soln = 13.2 °C

Lyell below Maclure cont.

Public Table

RecNum	5287
TimeStamp	8/19/20 11:02
BattV	13.376 V
Lvl_ft	1.380 '
Temp_C	12.088 °C
Observed	7.67
Lvl_corr	7.089
Offset	5.710
Cond	0 mS/cm
Ct	0 mS/cm
Temp_C_2	0 Deg C
SpCond	0 mS/cm
RS_1	0.991
Rs_2	117.078
Rs_3	117.077
Ct_1	0.0126
Ct_2	10.884 mS/cm
SC_uS	14.446 mS/cm
WaterT_C5547	12.673 °C

- Downloaded Data
- No new offset needed.

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Lyell below Madure, cont.

Level Survey

BM Bolt ABP S3040D		2.815 ft
TD Bolt		2.665 ft
BM Bolt F593C CK		2.43 ft
Point Zero Flow		6.815 ft
↳ Water Depth	=	0.89 ft
Left Bank	=	3.925 ft
Right Bank	=	3.395 ft