

# Discharge Measurement Summary

Date Generated: Fri Sep 27 2024

## File Information

File Name 357001.041.WAD  
Start Date and Time 2022/08/17 10:58:18

## Site Details

Site Name EAST  
Operator(s) KEK

## System Information

Sensor Type FlowTracker  
Serial # P2377  
CPU Firmware Version 3.9  
Software Ver 2.30  
Mounting Correction 0.0%

## Units (English Units)

Distance ft  
Velocity ft/s  
Area ft<sup>2</sup>  
Discharge cfs

## Discharge Uncertainty

Category	ISO	Stats
Accuracy	1.0%	1.0%
Depth	0.3%	0.7%
Velocity	0.4%	1.8%
Width	0.1%	0.1%
Method	1.3%	-
# Stations	1.5%	-
<b>Overall</b>	<b>2.3%</b>	<b>2.2%</b>

## Summary

Averaging Int. 40 # Stations 35  
Start Edge REW Total Width 19.117  
Mean SNR 14.8 dB Total Area 12.743  
Mean Temp 64.78 °F Mean Depth 0.667  
Disch. Equation Mid-Section Mean Velocity 1.4792  
**Total Discharge 18.8490**

## Measurement Results

St	Clock	Loc	Method	Depth	%Dep	MeasD	Vel	CorrFact	MeanV	Area	Flow	%Q
0	10:58	0.60	None	0.960	0.0	0.0	0.0000	0.75	0.7790	0.192	0.1495	0.8
1	10:58	1.00	0.6	0.920	0.6	0.368	1.0387	1.00	1.0387	0.368	0.3822	2.0
2	10:59	1.40	0.6	0.980	0.6	0.392	0.6450	1.00	0.6450	0.392	0.2528	1.3
3	11:00	1.80	0.6	0.960	0.6	0.384	1.3238	1.00	1.3238	0.384	0.5082	2.7
4	11:01	2.20	0.6	0.960	0.6	0.384	1.8005	1.00	1.8005	0.384	0.6913	3.7
5	11:03	2.60	0.6	0.920	0.6	0.368	1.7198	1.00	1.7198	0.368	0.6328	3.4
6	11:04	3.00	0.6	0.830	0.6	0.332	1.7743	1.00	1.7743	0.332	0.5890	3.1
7	11:05	3.40	0.6	0.720	0.6	0.288	1.8327	1.00	1.8327	0.288	0.5278	2.8
8	11:06	3.80	0.6	0.720	0.6	0.288	1.8304	1.00	1.8304	0.324	0.5933	3.1
9	11:07	4.30	0.6	0.650	0.6	0.260	1.9058	1.00	1.9058	0.325	0.6197	3.3
10	11:08	4.80	0.6	0.600	0.6	0.240	1.7238	1.00	1.7238	0.360	0.6207	3.3
11	11:10	5.50	0.6	0.610	0.6	0.244	1.5971	1.00	1.5971	0.457	0.7304	3.9
12	11:11	6.30	0.6	0.490	0.6	0.196	1.6440	1.00	1.6440	0.392	0.6446	3.4
13	11:12	7.10	0.6	0.430	0.6	0.172	1.7244	1.00	1.7244	0.344	0.5933	3.1
14	11:14	7.90	0.6	0.400	0.6	0.160	1.6004	1.00	1.6004	0.320	0.5120	2.7
15	11:15	8.70	0.6	0.380	0.6	0.152	1.9062	1.00	1.9062	0.304	0.5793	3.1
16	11:16	9.50	0.6	0.380	0.6	0.152	1.4718	1.00	1.4718	0.304	0.4473	2.4
17	11:17	10.30	0.6	0.380	0.6	0.152	1.6260	1.00	1.6260	0.304	0.4941	2.6
18	11:18	11.10	0.6	0.380	0.6	0.152	1.5197	1.00	1.5197	0.304	0.4618	2.5
19	11:19	11.90	0.6	0.500	0.6	0.200	1.4341	1.00	1.4341	0.400	0.5735	3.0
20	11:20	12.70	0.6	0.580	0.6	0.232	1.4610	1.00	1.4610	0.377	0.5513	2.9
21	11:22	13.20	0.6	0.680	0.6	0.272	1.4518	1.00	1.4518	0.341	0.4950	2.6
22	11:23	13.70	0.6	0.690	0.6	0.276	1.3806	1.00	1.3806	0.346	0.4775	2.5
23	11:24	14.20	0.6	0.680	0.6	0.272	1.3993	1.00	1.3993	0.341	0.4771	2.5
24	11:25	14.70	0.6	0.730	0.6	0.292	1.4701	1.00	1.4701	0.366	0.5380	2.9
25	11:27	15.21	0.6	0.780	0.6	0.312	1.4934	1.00	1.4934	0.391	0.5839	3.1
26	11:28	15.71	0.6	0.800	0.6	0.320	1.4993	1.00	1.4993	0.401	0.6012	3.2
27	11:29	16.21	0.6	0.850	0.6	0.340	1.5453	1.00	1.5453	0.426	0.6585	3.5
28	11:30	16.71	0.6	0.900	0.6	0.360	1.4780	1.00	1.4780	0.451	0.6668	3.5
29	11:32	17.21	0.6	0.910	0.6	0.364	1.4882	1.00	1.4882	0.456	0.6790	3.6
30	11:33	17.71	0.6	0.970	0.6	0.388	1.6240	1.00	1.6240	0.486	0.7898	4.2
31	11:34	18.21	0.6	1.040	0.6	0.416	1.5404	1.00	1.5404	0.521	0.8031	4.3
32	11:35	18.71	0.6	1.030	0.6	0.412	1.5367	1.00	1.5367	0.516	0.7934	4.2
33	11:36	19.22	0.6	0.950	0.6	0.380	0.2746	1.00	0.2746	0.476	0.1308	0.7
34	11:36	19.72	None	0.000	0.0	0.0	0.0000	1.00	0.0000	0.000	0.0000	0.0

Rows in italics indicate a QC warning. See the Quality Control page of this report for more information.

# Discharge Measurement Summary

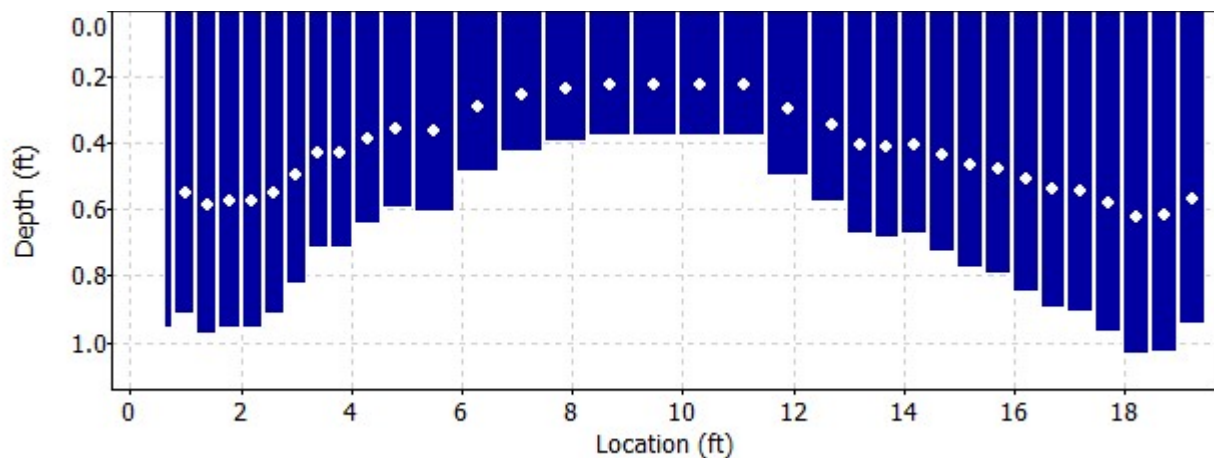
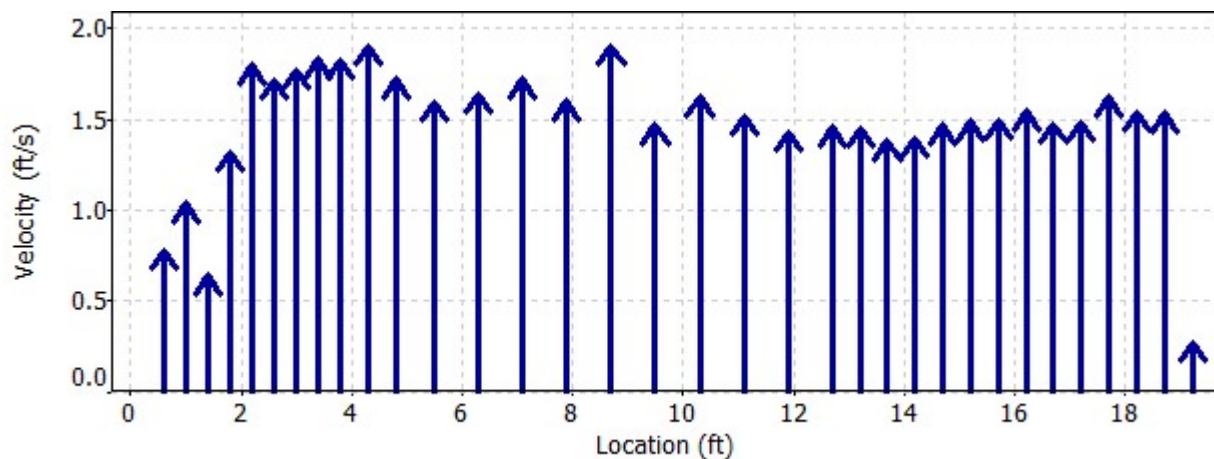
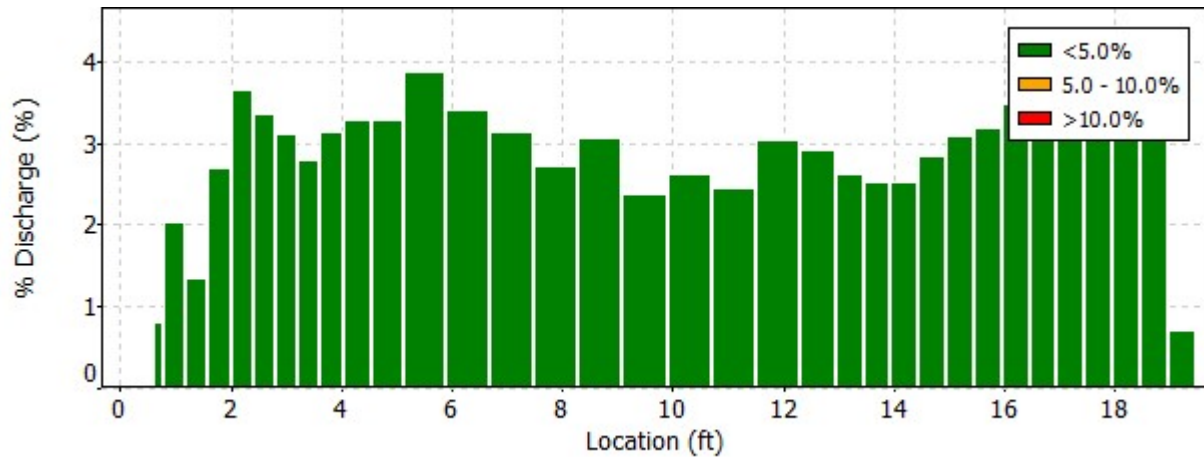
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**Quality Control**

St	Loc	%Dep	Message
1	1.00	0.6	High standard error: 0.092
2	1.40	0.6	High number of spikes: 6
		0.6	High standard error: 0.070
3	1.80	0.6	High standard error: 0.092
10	4.80	0.6	High angle: -21
11	5.50	0.6	High angle: -26
12	6.30	0.6	High angle: -29
13	7.10	0.6	High angle: -33
14	7.90	0.6	High number of spikes: 5
		0.6	High angle: -39
15	8.70	0.6	High angle: -30
16	9.50	0.6	High angle: -34
17	10.30	0.6	High angle: -27
18	11.10	0.6	High angle: -25
19	11.90	0.6	High angle: -22
21	13.20	0.6	High angle: -21
23	14.20	0.6	High angle: -21
33	19.22	0.6	High number of spikes: 7
		0.6	High SNR variation during measurement: 11.2,9.0

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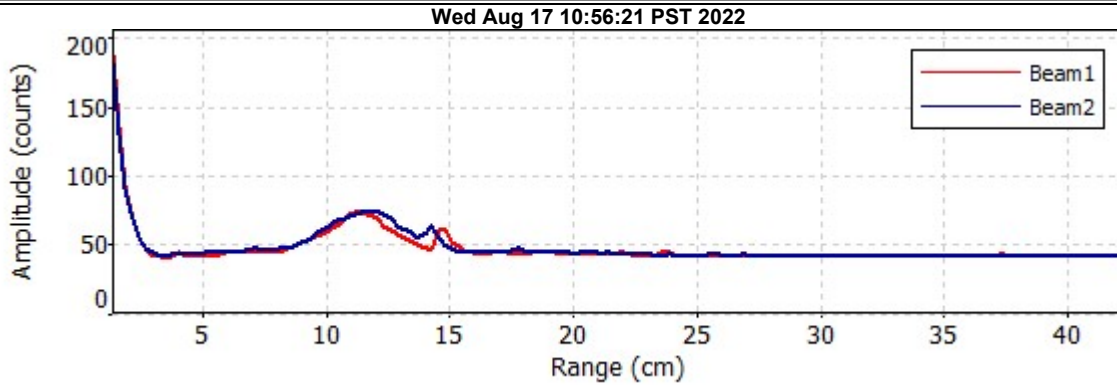
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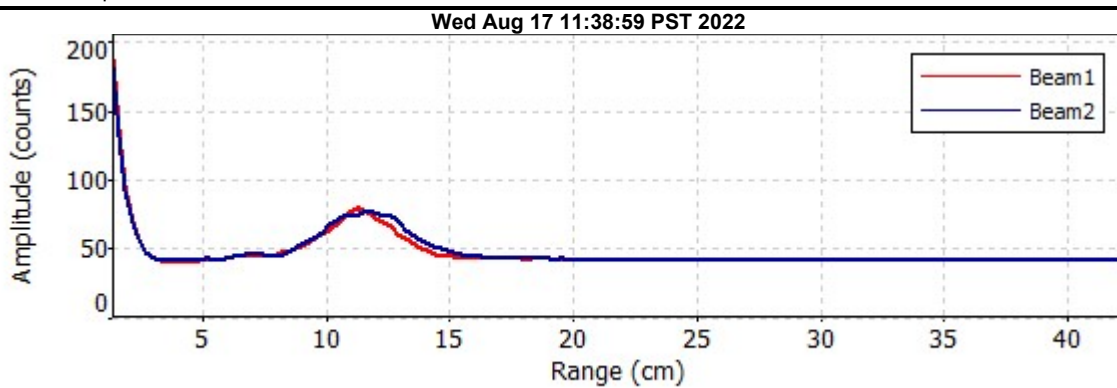
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## Automatic Quality Control Test (BeamCheck)



- ✓ Noise level check - Pass
- ✓ SNR check - Pass
- ✓ Peak location check - Pass
- ✓ Peak shape check - Pass



- ✓ Noise level check - Pass
- ✓ SNR check - Pass
- ✓ Peak location check - Pass
- ✓ Peak shape check - Pass