

General Notes:

Measurement: Diurnal gas exchange and water potentials

Date: June 13

Personnel: KAM AES

leaf collection

[illegible]

[illegible]

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: MD

Date: June 13

Personnel: KAM, AES *leaf collected*

$$NPT = \frac{\text{WATER POT.}}{\text{TIME}}$$
[illegible]

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: MD

Date: June 13

Personnel: KAM, AES

leaf collection

[illegible]

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: MD

Date: June 13

Personnel: KAM, AES EDT

[illegible]

* Found in pocket after round 7 began, likely leftover from round 6

[illegible]

[illegible]

[illegible]

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Saltwater

Instrument: EMSL

Date: 06/13/23

Personnel: MD

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
SALT	S14	1		1.8	0.026	278		
	S17	2	8:16	1.8	0.05	330		
	S16	3	8:21	1.2	0.021	292		Not logged
	S13	3	8:25	1.37	0.024	296		
	S18	4	8:27	0.70	0.024	343		
	S15	5	8:28	0.70	0.03	350		
	S14	6	8:33	1.57	0.05	338		not logged
	S15	7	8:37	1.4	0.035	326		not logged
	S16	8	8:43	3.5	0.058	288		
	S13	7	8:48	1.78	0.041	319		
	S18	8	8:51	1.4	0.025	310		
	S17	9	9:07	0.24	0.036	375		
	S14	10	9:29	2.8	0.058	307		
	S18	11	9:34	2.48	0.035	275		
	S17	12	9:40	2.8	0.066	309		
	S15	13	9:46	1.35	0.046	335		
	S16	14	9:52	5.7	0.108	271		
	S13	15	9:57	1.7	0.028	291		
	S14	16	10:01	3.16	0.062	302		
	S15	17	10:05	1.55	0.03	299		
	S16	18	10:09	1.45	0.023	293		
	S14	19	10:12	2.09	0.039	298		
	S13	20	10:15	1.9	0.027	280		
	S18	21	10:18	2.8	0.04	275		
	S18	22	10:25	1.45	0.026	298		
	S17	23	10:28	1.97	0.026	273		
	S14	24	10:31	1.40	0.02	299		
	S13	25	10:36	1.32	0.015	268		
	S15	26	10:39	0.75	0.013	294		
	S18	27	10:42	1.01	0.014	280		
	S16	28	10:46	3.86	0.041	231		
	S17	29	10:50	2.94	0.03	258		

FOOT GOT TO ENTER LEAF #

WAS STILL FALLING AFTER 10:50

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument:

Date:

Personnel:

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
SALT	S14	30	10:58	1.29	0.018	284		RANGE MATCH H2O BEFORE
	S18	31	11:01	2.0	0.027	270		DONT NAME LEAF
	S15	32	11:05	1.0	0.014	279		
	S13	33	11:08	0.38	0.009	323		
	S14	34	11:14	1.86	0.02	241		
	S13	35	11:20	0.22	0.006	322		
	S15	36	11:23	1.1	0.014	268		
	S16	37	11:28	4.07	0.044	232		
	S17	38	11:31	2.37	0.024	227		
	S18	39	11:36	1.6	0.02	260		
	S13	40	11:42	2.3	0.027	251		FORGOT COMMENT PLOT
	S14	41	11:46	2.37	0.031	266		
	S15	42	11:49	1.1	0.012	245		
	S16	43	11:53	3.0	0.03	241		
	S17	44	11:56	0.63	0.012	308		FORGOT COMMENT PLOT
	S18	45	12:00	1.3	0.015	260		"
	S13	46	12:11	1.5	0.021	268		
	S14	47	12:15	2.9	0.03	250		
	S15	48	12:19	2.2	0.034	279		
	S16	49	12:23	2.85	0.43	275		
	S17	50	12:28	0.98	0.017	292		
	S18	51	12:32	1.15	0.018	285		
	S13	52	12:39	0.79	0.012	290		
	S14	53	12:43	2.0	0.031	290		
	S15	54	12:46	1.85	0.025	267		
	S16	55	12:51	2.72	0.031	247		
	S17	56	12:54	1.1	0.017	268		FORGOT PLOT NOTE
	S18	57	12:59	2.0	0.023	245		
	S18	58	13:44	1.05	0.02	319		
	S14	59	13:47	2.11	0.03	292		
	S17	60	13:50	1.76	0.03	294		
	S16	61	14:03	1.7	0.021	267		CO2 + H2O RANGE MATCH

[illegible]

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

FW

Measurement: Diurnal gas exchange and water potentials

Instrument: VT

Date: 06/13/23

Personnel: DD

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
F15		1	8:04	1.51	0.025	384		
F13		2	8:07	1.60	0.02	289		leaf damage 15%
F14		3	8:09	1.02	0.02	320		
F18		4	8:12	1.19	0.02	314		
F17		5	8:15	1.50	0.03	308		LD 15%
F16		6	8:16	2.18	0.04	300		
F15		7	8:23	1.19	0.01	282		
F13		8	8:26	1.72	0.02	294		
F14		9	8:30	1.45	0.02	299		
F18		10	8:34	2.20	0.03	275		
F16		11	8:42	2.58	0.03	262		
F17		12	8:46	1.35	0.02	310		
F15		13	9:06	1.84	0.02	273		
F13		14	9:09	3.05	0.03	262		
F14		15	9:14	3.17	0.04	268		
F16		16	9:18	2.15	0.03	273		
F18		17	9:22	2.68	0.05	311		
F17		18	9:27	2.54	0.03	261		
F15		19	9:34	3.11	0.05	298		
F13		20	9:37	4.43	0.05	259		
F14		21	9:40	2.56	0.03	270		
F16		22	9:45	2.54	0.03	260		
F17		23	9:49	4.18	0.04	241		LD 10%
F18		24	9:53	3.32	0.04	271		LD 5-10%
F15		25	10:02	3.03	0.04	281		
F13		26	10:05	3.41	0.03	243		
F14		27	10:10	2.99	0.03	247		
F16		28	10:16	2.57	0.03	278		
F17		29	10:20	4.89	0.03	248		
F18		30	10:24	2.69	0.03	261		
F15		31	10:31	2.06	0.03	274		
F13		32	10:40	2.10	0.02	241		

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

FRESH

Measurement: Diurnal gas exchange and water potentials.

Instrument: UT

Date: 06/13/23

Personnel: ID

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
F14		33	10:47	2.64	0.03	276		
F16		34	10:52	3.81	0.04	264		
F17		35	10:56	3.12	0.03	225		
F18		36	11:00	2.27	0.03	278		
F15		37	11:27	2.07	0.02	273		
F13		38	11:31	1.75	0.02	257		shade/overcast
F14		39	11:34	4.35	0.04	232		sun
F16		40	11:38	2.12	0.02	249		sun
F17		41	11:41	4.40	0.04	230		sun
F18		42	11:45	2.28	0.02	245		shade
F15		43	12:01	2.66	0.03	275		sun
F13		44	12:04	2.13	0.02	262		shade
F14		45	12:07	3.93	0.05	259		sun
F16		46	12:11	2.01	0.02	259		shade
F17		47	12:14	2.53	0.03	254		
F18		48	12:19	2.41	0.03	261		
F15		49	12:38	2.07	0.03	238		shade
F13		50	12:41	1.92	0.02	247		shade
F14		51	12:44	3.54	0.04	258		shade
F16		52	12:49	1.52	0.01	246		shade
F17		53	12:53	3.51	0.04	245		shade
F18		54	12:56	2.97	0.03	257		shade
F15		55	13:14	2.27	0.02	220		
F13		56	13:17	2.18	0.03	280		
F14		57	13:19	1.97	0.03	300		
F16		58	13:23	1.85	0.02	256		shade
F17		59	13:26	2.70	0.02	236		
F18		60	13:29	2.93	0.03	229		
F15		61	13:45	1.94	0.02	261		
F13		62	13:46	1.70	0.02	260		
F14		63	13:51	2.82	0.03	239		
F16		64	13:55	2.30	0.02	252		

Fresh water

[illegible]

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: PNNL2

Date: 06/13/23

Personnel: RMH AES

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
F	F17	41	1250				1.49	
S	S15	26	1252				0.95	
S	S16	28	1253				1.10	
S	S18	27	1255				1.18	
S	S15	42	1257				1.38	
S	S14	41	1259				1.26	
S	S13	40	101				1.21	
S	S18	39	103				1.39	
S	S17	38	104				1.24	
S	S16	37	106				1.27	
S	S15	36	108				1.51	
F	F16	40	111				1.72	
S	S13	35	113				1.25	
S	S14	34	115				1.21	
S	S13	33	117				1.33	
S	S15	32	120				0.94	
S	S18	31	121				2.45	
S	S14	30	123				1.05	
S	S17	29	125				1.09	
F	F15	31	127				1.68	
F	F13	32	129				0.99	
F	F14	33	130				0.81	
F	F16	34	133				1.85	
F	F17	35	137				1.98	
F	F18	36	138				1.20	
F	F15	37	140				0.86	
F	F13	38	142				1.15	
F	F14	39	144				1.57	
F	F18	48	1424				1.23	
S	S17	56	1430				1.35	
S	S18	58	1432				0.98	
S	S14	59	1434				1.28	

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: PNNL 2

Date: 13 JUN 23

Personnel: A. STEWART

PRESSURE

Plot	Stem_ID	Logs	EST Time	A	gs	Ci	water potential	Notes
F	F15	49	1440				1.25	
S	S18	?	1450				1.08	
S	S17	50	1452				1.09	
F	F16	52	1454				0.99	
F	F15	55	1500				1.08	
F	F13	56	1506				1.80	
S	S18	51	1507				1.14	
F	F14	57	1510				1.06	
F	F16	58	1511				1.74	
F	F17	59	1520				1.45	
S	S15	54	1522				1.19	
S	S16	55	1523				1.10	
F	F18	60	1525				1.11	
F	F13	80	1540				0.98	
F	F15	79	1542				1.07	
S	S18	79	1543				1.04	
S	S13	78	1545				0.98	
S	S14	76	1546				1.59	
S	S17	77	1548				0.84	
S	S17	38	1550				1.32	
S	S18	74	1552				1.20	
S	S13	75	1553				0.99	
S	S13	67	1555				1.23	
S	S17	72	1556				1.28	
S	S15	71	1558				1.14	
S	S16	73	1559				1.25	
S	S14	70	1600				0.79	
S	S15	69	1602				1.15	
S	S16	68	1604				1.08	
S	S18	66	1605				0.66	
F	F18	76	1608				0.70	
F	F16	78	1609				1.78	

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

PNNL1 - READING 0.02 mPA
AFTER ZERO (BKGD)

Measurement: Diurnal gas exchange and water potentials

Instrument: PNNL-1 (WP) / PNNL-2 (WP)
SW NM

Date: 6-13-23

Personnel: SW + NM

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
SW	S-15	—	5:27	—	—	—	0.312	leaf ↑
SW	S-16	—	5:30	—	—	—	0.145	leaf ↑
FW	S-13	—	5:36	—	—	—	0.502	Whole twig
C	C-15	—	5:35	—	—	—	0.270	NM
SW	S-17	—	5:39	—	—	—	0.390	
SW	S-18	—	5:42	—	—	—	0.432	
SW	S-14	—	5:44	—	—	—	0.423	
FW	F-13	—	5:47	—	—	—	0.558	
FW	F-16	—	5:50	—	—	—	0.383	
C	C-16	—	5:49	—	—	—	0.380	NM
FW	F-15	—	5:52	—	—	—	0.173	
FW	F-14	—	5:54	—	—	—	0.370	
C	C-17	—	5:53	—	—	—	0.200	NM
FW	F-17	—	5:56	—	—	—	0.166	
C	C-18	—	5:55	—	—	—	0.320	NM
C	C-14	—	5:57	—	—	—	0.370	NM
FW	F-18	—	5:58	—	—	—	0.509	
C	C-13	—	5:59	—	—	—	0.200	NM
SW	S-15	—	8:35	—	—	—	0.238	
SW	S-18	—	8:37	—	—	—	0.563	1st
SW	S-13	—	8:41	—	—	—	0.640	ROUND
SW	S-16	—	8:44	—	—	—	0.534	IRGA S
SW	S-17	—	8:48	—	—	—	0.906	
SW	S-14	—	8:52	—	—	—	0.995	
FW	F-16	—	8:55	—	—	—	0.789	
FW	F-17	—	8:57	—	—	—	0.655	
FW	F-18	—	9:00	—	—	—	0.444	
FW	F-14	—	9:01	—	—	—	0.387	
FW	F-13	—	9:04	—	—	—	0.635	
FW	F-15	—	9:06	—	—	—	0.421	
SW	S-13	—	9:12	—	—	—	1.010	2ND
SW	S-16	—	9:14	—	—	—	0.723	ROUND IRGA

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: PNNL-1 (WP)

Date: 06-13-23

Personnel: SW

(WP)

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
SW	S-15	—	9:16	—	—	—	0.679	2ND ROUND OF IRGA SAMPLES
SW	S-14	—	9:18	—	—	—	0.962	
FW	F-18	—	9:21	—	—	—	0.721	
FW	F-14	—	9:24	—	—	—	0.641	
FW	F-13	—	9:26	—	—	—	0.634	
FW	F-15	—	9:28	—	—	—	0.835	2ND ROUND IRGA RUNS CONT.
SW	S-17	—	9:53	—	—	—	1.097	
SW	S-18	—	9:55	—	—	—	1.051	
FW	F-16	—	9:58	—	—	—	1.279	
FW	F-17	—	10:00	—	—	—	0.986	
SW	S-18	—	10:03	—	—	—	1.309	3RD ROUND IRGA RUNS
SW	S-14	—	10:06	—	—	—	1.195	
FW	F-13	—	10:09	—	—	—	1.063	
FW	F-17	—	10:13	—	—	—	1.233	
FW	F-18	—	10:16	—	—	—	1.414	
FW	F-16	—	10:19	—	—	—	1.693	
FW	F-14	—	10:22	—	—	—	1.689	
FW	F-15	—	10:26	—	—	—	1.183	
SW	S-13	25	10:54	—	—	—	1.456	
FW	F-18	30	10:57	—	—	—	1.596	
FW	F-17	29	11:00	—	—	—	1.375	
FW	F-15	19	11:03	—	—	—	1.297	
FW	F-14	21	11:06	—	—	—	1.176	
FW	F-13	20	11:08	—	—	—	1.206	
FW	F-16	22	11:11	—	—	—	1.419	
FW	F-17	23	11:15	—	—	—	1.459	
FW	F-18	24	11:18	—	—	—	1.452	
FW	F-15	25	11:21	—	—	—	1.327	
FW	F-13	26	11:23	—	—	—	0.478	
FW	F-14	27	11:25	—	—	—	0.921	
FW	F-16	28	11:28	—	—	—	1.244	
SW	S-18	21	11:31	—	—	—	1.204	

Project: TEMPEST

General Notes:

Event: Flooding Event - June 2023

Measurement: Diurnal gas exchange and water potentials

Instrument: PNNL-1

Date: 06-13-23

Personnel: SW, NM

Plot	Stem_ID	Logs	Time	A	gs	Ci	water potential	Notes
SW	S-18	22	11:34	—	—	—	0.901	
SW	S-14	24	11:36	—	—	—	1.109	
SW	S-17	23	11:38	—	—	—	1.043	
SW	S-13	20	11:40	—	—	—	1.176	
SW	S-14	19	11:42	—	—	—	1.016	
SW	S-16	18	11:44	—	—	—	0.759	
SW	S-15	17	11:46	—	—	—	0.479	
SW	S-14	16	11:48	—	—	—	0.969	
SW	S-13	15	11:50	—	—	—	1.042	
SW	S-15	13	11:52	—	—	—	0.636	
SW	S-16	14	11:55	—	—	—	1.082	
SW	S-17	12	11:57	—	—	—	1.022	
FW	F-14	45	12:37	—	—	—	1.4	
SW	S-14	47	12:46	—	—	—	1.35	
F	F-13	44	12:58	—	—	—	1.75	
SW	S-15	?	1:00	—	—	—	1.1	
F	F-13	43	1:04	—	—	—	2.1129	
S	S-18	45	1:08	—	—	—	1.38	
S	S-17	44	1:11	—	—	—	1.48	
F	F-17	47	1:13	—	—	—	1.1	
F	F-18	42	1:15	—	—	—	1.25	
S	S-16	43	1:17	—	—	—	1.30	
S	S-16	49	1:19	—	—	—	0.93	
F	F-16	46	1:20	—	—	—	1.15	
F	F-13	50	2:41	—	—	—	1.55	
F	F-13	49	2:43	—	—	—	1.58	
S	S-14	53	2:47	—	—	—	1.45	
S	S-13	52	2:49	—	—	—	1.45	
F	F-13	61	2:51	—	—	—	1.35	
S	S-17	60	2:53	—	—	—	1.00	
F	F-14	51	2:54	—	—	—	1.25	
F	F-17	53	2:58	—	—	—	1.70	