

[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	H <sub>2</sub> O POT 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	EDT 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				0.76	
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 ↑
SW	S-13	—	5:36	—	—	—	0.502	Whole twig
C	C-15	—	5:35	—	—	—	0.270	
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	
FW	F-15	—	5:52	—	—	—	0.173	
FW	F-14	—	5:54	—	—	—	0.370	
C	C-17	—	5:53	—	—	—	0.200	
FW	F-17	—	5:56	—	—	—	0.166	
C	C-18	—	5:55	—	—	—	0.320	
C	C-14	—	5:57	—	—	—	0.370	
FW	F-18	—	5:58	—	—	—	0.509	
C	C-13	—	5:59	—	—	—	0.200	
SW	S-15	—	8:35	—	—	—	0.238	
SW	S-18	—	8:37	—	—	—	0.563	
SW	S-13	—	8:41	—	—	—	0.640	
SW	S-16	—	8:44	—	—	—	0.534	
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	
SW	S-16	—	9:14	—	—	—	0.723	

1st  
ROUND  
IRGA's  
  
2ND  
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	—	—	—	1.193	
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:

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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	43	12:37	—	—	—	1.4	
SW	S-14	47	12:46	—	—	—	1.35	
F	F-13	44	12:58	—	—	—	1.75	
SW	S-15	2	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	