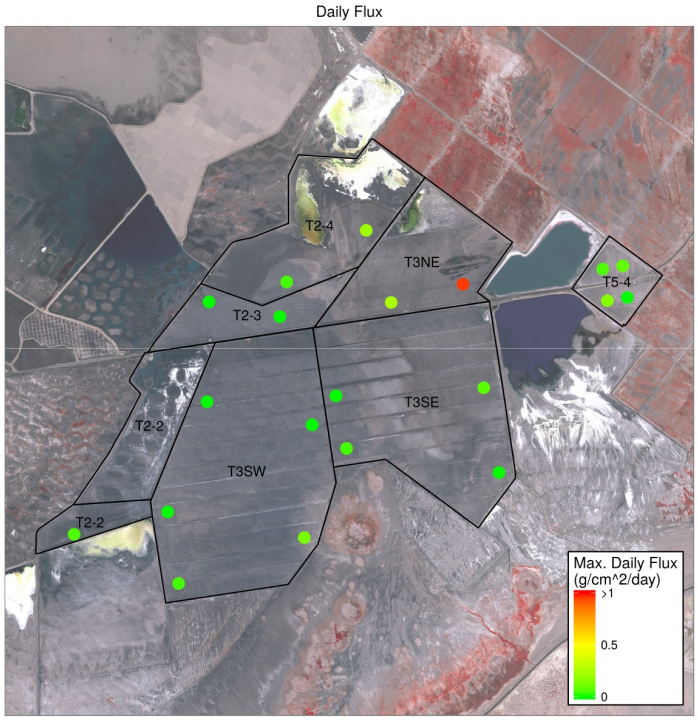
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

South TwB2

Monitoring Site Results



Daily Sand Flux

(5 highest days with recorded sand flux > 0.1 g/cm^2/day)

DCA	CSC Site	Date	Sand Flux (g/cm^2/day)
T3NE	1617	2016-10-16	0.96
T3NE	1616	2016-10-16	0.24
T2-4	1615	2016-10-16	0.21
T5-4	1621	2016-10-17	0.15
T3SW	1605	2016-10-16	0.12

Comments

Erosion threshold to trigger BACM Shallow Flooding is sand flux of 1.0 grams per square centimeter per day (Rule 433, paragraph h.*i*.)

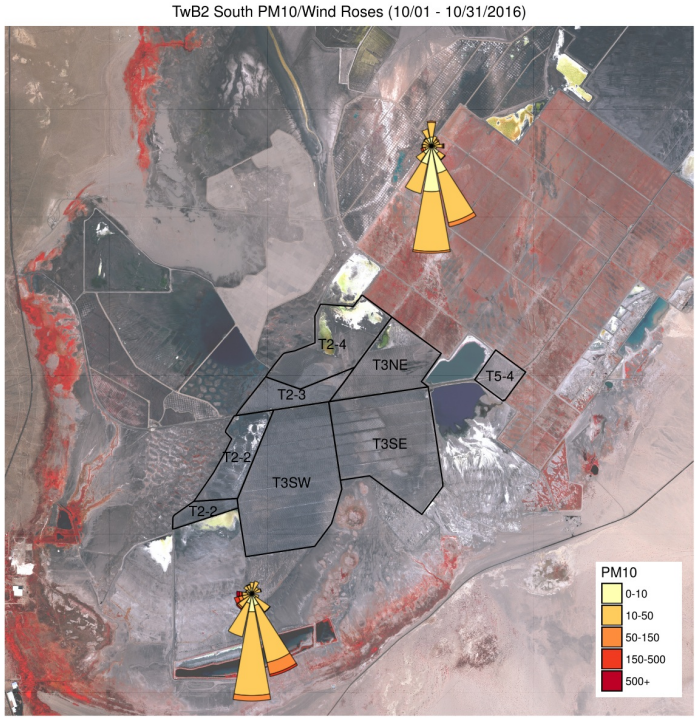
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

South TwB2

Paired TEOM PM10 Results



Date	Upwind PM10 (micrograms/m^3)	Downwind PM10 (micrograms/m^3)	PM10 Increase (micrograms/m^3)	Windspeed at Max PM10 Increase (m/s)
10-04-16	1.26	1.57	0.31	2.09
10-08-16	1.15	1.29	0.14	3.48
10-12-16	1.72	1.74	0.03	5.15

Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

South TwB2

Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T2-2	1600A	330	49	6.73	87
T2-2	1600B	356	50	7.11	42
T2-3	1612A	335	51	6.57	73
T2-3	1612B	345	46	7.5	83
T2-3	1613A	368	43	8.55	83
T2-3	1613B	358	42	8.51	83
T2-4	1614A	340	44	7.73	100
T2-4	1614B	324	45	7.19	93
T2-4	1615A	353	49	7.19	3
T2-4	1615B	343	49	6.99	43
T3NE	1616A	378	40	9.44	23
T3NE	1616b	355	40	8.88	57
T3NE	1617A	397	41	9.67	2
T3NE	1617B	335	38	8.82	2
T3NE	1617C	329	33	9.95	7
T3SE	1606A	348	54	6.44	87
T3SE	1606B	317	42	7.54	77
T3SE	1606C	294	53	5.55	83
T3SE	1607A	309	53	5.83	90
T3SE	1607B	327	45	7.26	90
T3SE	1608A	314	49	6.41	65
T3SE	1608B	281	53	5.29	32
T3SE	1608C	333	44	7.64	57
T3SE	1609A	345	39	8.85	25
T3SE	1609B	341	35	9.74	38
T3SW	1601A	395	46	8.59	80
T3SW	1601B	360	47	7.65	93
T3SW	1602A	394	50	7.87	80
T3SW	1602B	387	34	11.38	70
T3SW	1603A	362	49	7.38	87
T3SW	1603B	322	50	6.44	53
T3SW	1604A	326	50	6.54	80
T3SW	1604B	359	59	6.08	90
T3SW	1605A	333	46	7.24	87
T3SW	1605B	377	51	7.39	90
T5-4	1618A	201	41	4.96	18
T5-4	1619A	195	42	4.64	0
T5-4	1620A	225	44	5.16	30
T5-4	1621A	211	43	4.91	93

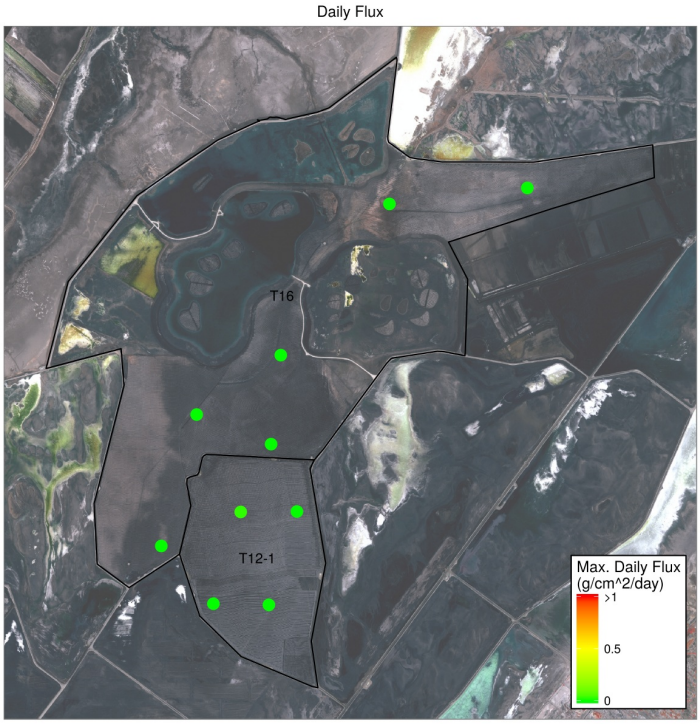
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

Central TwB2

Monitoring Site Results



Daily Sand Flux

(5 highest days with recorded sand flux > 0.1 g/cm^2/day)

No days with measurable sand flux.

Comments

Erosion threshold to trigger BACM Shallow Flooding is sand flux of 1.0 grams per square centimeter per day (Rule 433, paragraph h.*i*.)

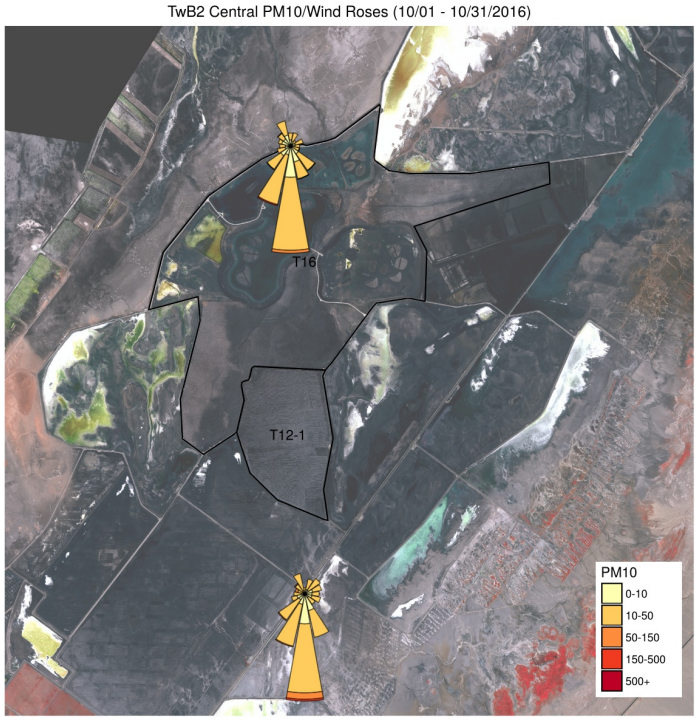
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

Central TwB2

Paired TEOM PM10 Results



Date	Upwind PM10 (micrograms/m^3)	Downwind PM10 (micrograms/m^3)	PM10 Increase (micrograms/m^3)	Windspeed at Max PM10 Increase (m/s)
10-04-16	0.41	0.85	0.44	1.57
10-03-16	1.03	1.28	0.26	1.25
10-14-16	1.34	1.49	0.14	10.82
10-08-16	0.23	0.31	0.08	1.81

Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

Central TwB2

Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T12-1	1637A	445	53	8.4	57
T12-1	1637B	410	37	11.08	63
T12-1	1638A	350	42	8.33	68
T12-1	1638B	350	49	7.14	65
T12-1	1639A	424	44	9.64	80
T12-1	1639B	358	45	7.94	12
T12-1	1640A	360	34	10.59	53
T12-1	1640B	385	38	10.13	67
T16	1625B	408	53	7.69	100
T16	1625A	413	52	7.93	97
T16	1626A	301	43	7	57
T16	1626B	254	47	5.4	63
T16	1627A	308	46	6.7	77
T16	1627B	295	34	8.68	93
T16	1628A	268	45	5.96	88
T16	1628B	246	47	5.23	78
T16	1629A	341	39	8.86	70
T16	1629b	230	39	5.9	43
T16	1630A	286	52	5.5	63
T16	1630B	262	51	5.18	57

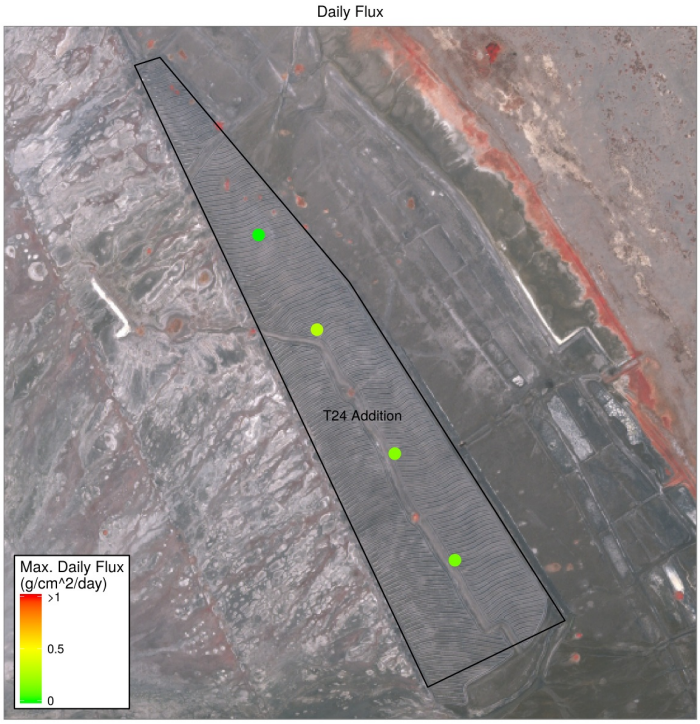
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

East TwB2

Monitoring Site Results



Daily Sand Flux

(5 highest days with recorded sand flux > 0.1 g/cm^2/day)

DCA	CSC Site	Date	Sand Flux (g/cm^2/day)
T24 Addition	1633	2016-10-16	0.27
T24 Addition	1632	2016-10-17	0.15
T24 Addition	1631	2016-10-17	0.12
T24 Addition	1631	2016-10-16	0.11

Comments

Erosion threshold to trigger BACM Shallow Flooding is sand flux of 1.0 grams per square centimeter per day (Rule 433, paragraph h.*i*.)

Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

East TwB2

Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T24 Addition	1631A	390	57	6.84	52
T24 Addition	1631B	349	53	6.58	5
T24 Addition	1632A	414	48	8.61	27
T24 Addition	1632B	329	48	6.85	2
T24 Addition	1633A	362	45	8.03	63
T24 Addition	1634A	432	52	8.31	83

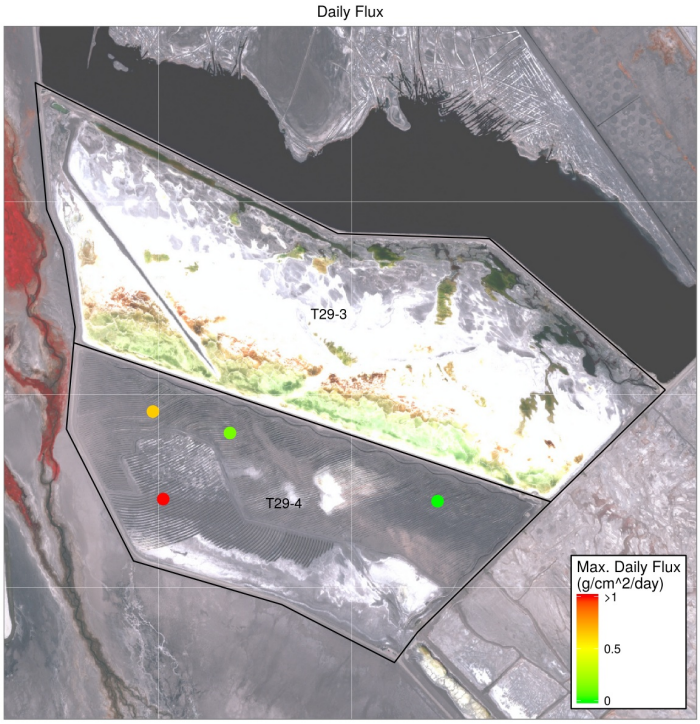
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

North TwB2

Monitoring Site Results



Daily Sand Flux

(5 highest days with recorded sand flux > 0.1 g/cm^2/day)

DCA	CSC Site	Date	Sand Flux (g/cm^2/day)
T29-4	1642	2016-10-16	9.24
T29-4	1641	2016-10-16	0.64
T29-4	1636	2016-10-16	0.12

Comments

Erosion threshold to trigger BACM Shallow Flooding is sand flux of 1.0 grams per square centimeter per day (Rule 433, paragraph h.*i*.)

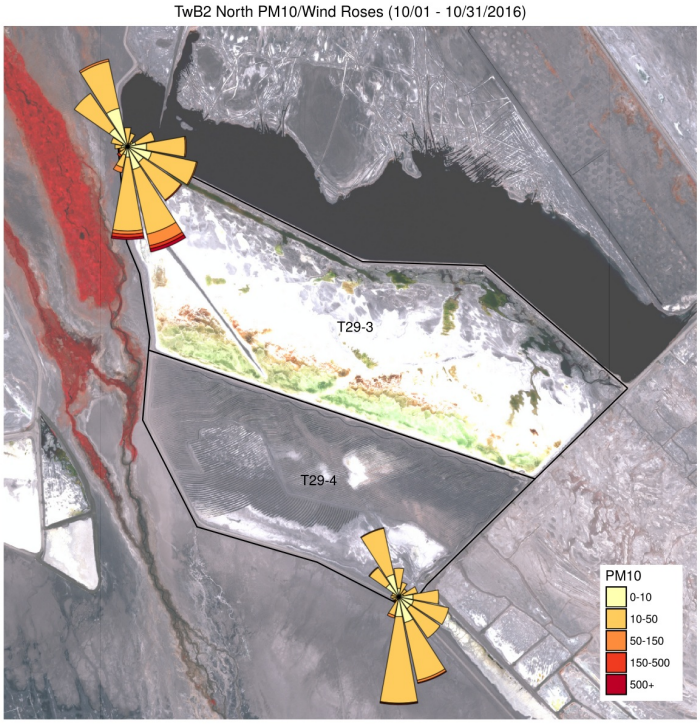
Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

North TwB2

Paired TEOM PM10 Results



Date	Upwind PM10 (micrograms/m^3)	Downwind PM10 (micrograms/m^3)	PM10 Increase (micrograms/m^3)	Windspeed at Max PM10 Increase (m/s)
10-23-16	1.88	16.03	14.15	11.20
10-16-16	1.54	15.18	13.65	11.13
10-01-16	3.21	5.16	1.95	11.16
10-21-16	2.07	2.68	0.62	1.58
10-17-16	1.94	2.32	0.39	4.29
10-05-16	2.76	3.11	0.35	5.65
10-13-16	2.58	2.83	0.25	2.15
10-22-16	4.13	4.38	0.25	2.34
10-14-16	3.35	3.57	0.22	2.29
10-10-16	2.04	2.24	0.20	1.24
10-06-16	2.56	2.74	0.18	6.02
10-07-16	2.45	2.56	0.11	2.09
10-27-16	4.43	4.52	0.09	8.58
10-08-16	1.57	1.62	0.05	4.31
10-09-16	1.65	1.69	0.05	3.60
10-12-16	2.04	2.09	0.05	1.81
10-15-16	1.23	1.25	0.02	11.87
10-11-16	2.41	2.42	0.01	4.24

Tillage with BACM Backup

Summary Period: 10-01-2016 through 10-31-2016

Report Date: 12-05-2016

North TwB2

Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T29-3	1635A	310	40	7.75	0
T29-3	1635B	328	40	8.2	0
T29-3	1635C	293	45	6.51	0
T29-3	1636A	313	48	6.51	0
T29-3	1636B	340	49	6.94	60
T29-3	1641A	325	57	5.7	80
T29-3	1642A	385	50	7.7	80