

# Tillage with BACM Backup

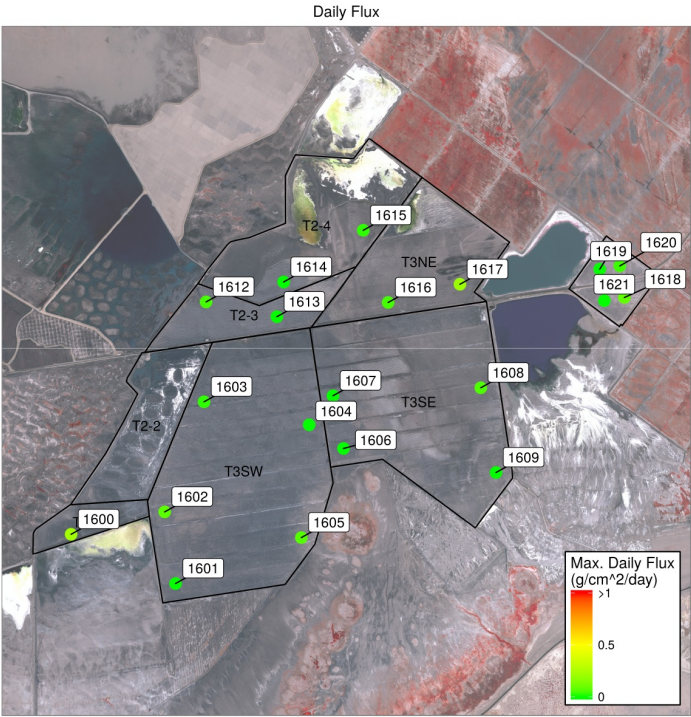
Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016



## 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)
T2-2	1600	2016-11-16	0.22
T3NE	1617	2016-11-16	0.2

### 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

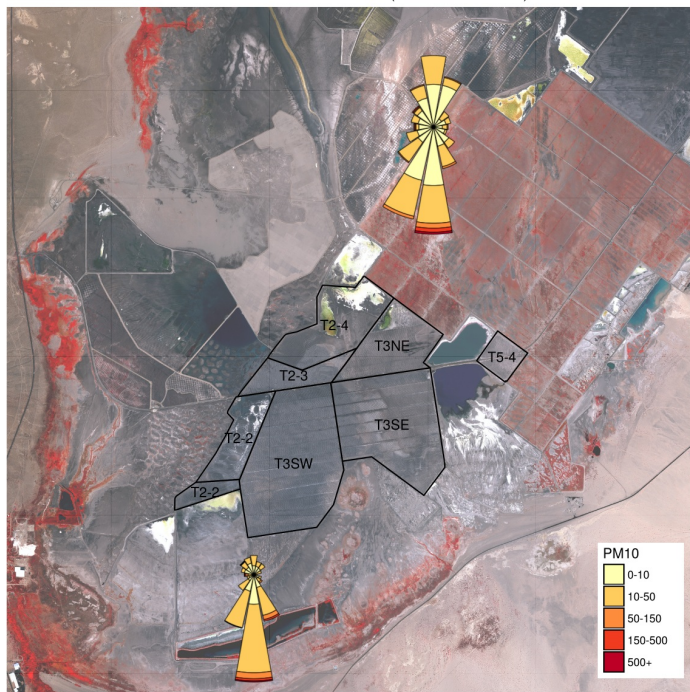
Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016

## South TwB2

### Paired TEOM PM10 Results

TwB2 South PM10/Wind Roses (11/01 - 11/30/2016)



Date	Upwind PM10 (micrograms/m <sup>3</sup> )	Downwind PM10 (micrograms/m <sup>3</sup> )	PM10 Increase (micrograms/m <sup>3</sup> )	Windspeed at Max PM10 Increase (m/s)
11-29-16	0.28	0.75	0.47	1.86
11-06-16	0.88	1.20	0.32	1.66
11-04-16	0.21	0.38	0.17	1.42
11-02-16	0.17	0.26	0.09	2.74
11-23-16	0.23	0.28	0.06	2.63
11-05-16	0.30	0.35	0.04	1.88
11-28-16	0.55	0.59	0.04	11.78
11-25-16	3.67	3.69	0.02	6.04

# Tillage with BACM Backup

Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016



## South TwB2

### Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T2-2	1600A	329	48	6.85	90
T2-2	1600B	353	48	7.35	70
T2-3	1612A	327	48	6.81	87
T2-3	1612b	352	47	7.49	100
T2-3	1613A	360	43	8.37	90
T2-3	1613B	357	40	8.93	100
T2-4	1614A	343	43	7.98	100
T2-4	1614b	323	45	7.18	100
T2-4	1615A	344	47	7.32	0
T2-4	1615b	333	46	7.24	42
T3NE	1616A	377	38	9.92	8
T3NE	1616b	353	39	9.05	50
T3NE	1617A	379	39	9.72	0
T3NE	1617B	330	37	8.92	2
T3NE	1617c	324	32	10.13	5
T3SE	1606A	345	50	6.9	100
T3SE	1606b	315	45	7	97
T3SE	1606C	293	50	5.86	100
T3SE	1607A	309	47	6.57	100
T3SE	1607B	322	45	7.16	100
T3SE	1608A	325	45	7.22	93
T3SE	1608C	344	46	7.48	43
T3SE	1609A	358	42	8.52	22
T3SE	1609B	340	37	9.19	40
T3SW	1601A	403	43	9.37	93
T3SW	1601B	362	46	7.87	100
T3SW	1602B	395	31	12.74	83
T3SW	1602A	408	48	8.5	80
T3SW	1603A	362	51	7.1	100
T3SW	1603B	318	43	7.4	93
T3SW	1604A	326	59	5.53	83
T3SW	1604B	351	60	5.85	100
T3SW	1605A	331	47	7.04	100
T3SW	1605B	375	48	7.81	100
T5-4	1618a	195	39	5	17
T5-4	1619A	202	37	5.46	8
T5-4	1620A	207	44	4.7	90
T5-4	1621a	205	42	4.88	93

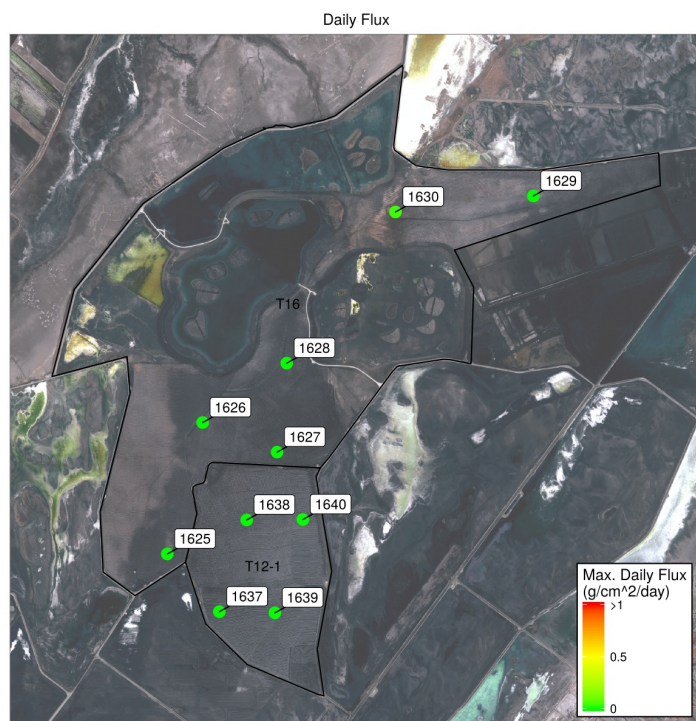
# Tillage with BACM Backup

Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016

## Central TwB2

### Monitoring Site Results



### Daily Sand Flux

(5 highest days with recorded sand flux > 0.1 g/cm<sup>2</sup>/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

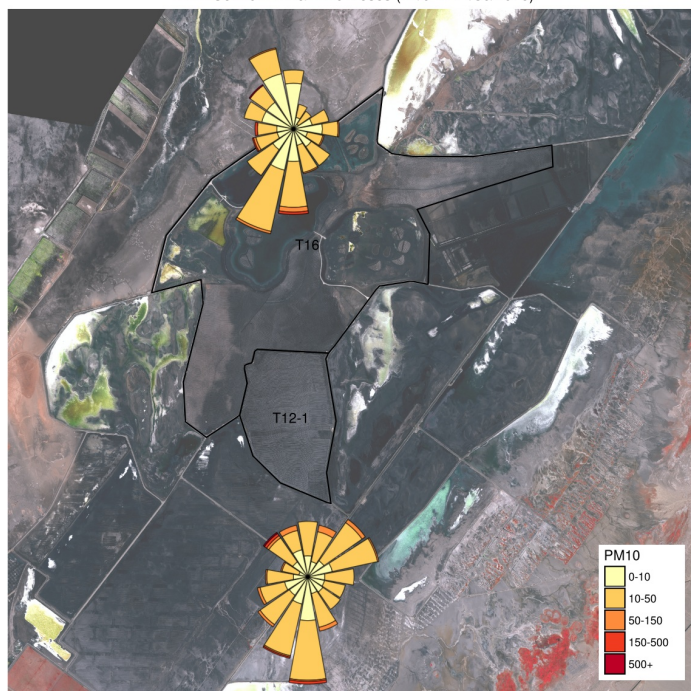
Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016

## Central TwB2

### Paired TEOM PM10 Results

TwB2 Central PM10/Wind Roses (11/01 - 11/30/2016)



Date	Upwind PM10 (micrograms/m <sup>3</sup> )	Downwind PM10 (micrograms/m <sup>3</sup> )	PM10 Increase (micrograms/m <sup>3</sup> )	Windspeed at Max PM10 Increase (m/s)
11-19-16	19.93	25.58	5.65	13.36
11-29-16	2.08	6.31	4.23	1.21
11-28-16	0.31	1.22	0.92	12.04
11-20-16	3.75	4.51	0.76	12.62
11-26-16	3.72	4.26	0.54	14.16
11-06-16	1.53	2.05	0.52	1.20
11-25-16	0.39	0.57	0.19	1.14
11-17-16	0.39	0.55	0.17	9.03
11-21-16	0.40	0.47	0.07	2.46
11-07-16	1.00	1.03	0.03	2.96
11-22-16	0.71	0.72	0.02	3.10

# Tillage with BACM Backup

Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016



## Central TwB2

### Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T12-1	1637A	450	49	9.18	47
T12-1	1637B	415	37	11.22	68
T12-1	1638A	363	44	8.25	68
T12-1	1638B	305	50	6.1	48
T12-1	1639A	433	42	10.31	57
T12-1	1639B	378	46	8.22	23
T12-1	1640A	368	36	10.22	27
T12-1	1640B	363	35	10.37	67
T16	1625A	420	51	8.24	85
T16	1625B	398	54	7.37	50
T16	1626A	293	45	6.51	48
T16	1626B	248	48	5.17	63
T16	1627A	298	42	7.1	63
T16	1627B	283	34	8.32	67
T16	1628A	270	44	6.14	70
T16	1628B	250	49	5.1	55
T16	1629A	328	36	9.11	33
T16	1629B	230	40	5.75	0
T16	1630A	298	53	5.62	57
T16	1630B	259	46	5.63	33

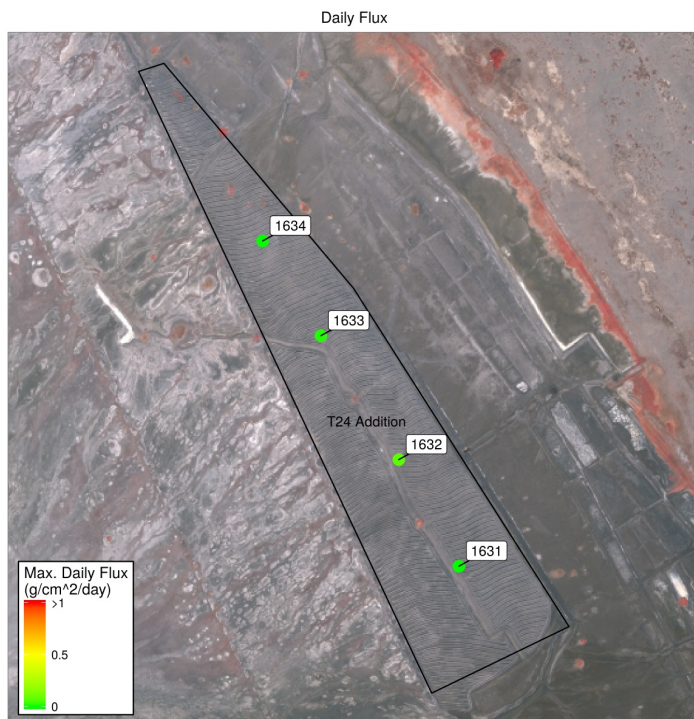
# Tillage with BACM Backup

Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016

## East TwB2

### Monitoring Site Results



### Daily Sand Flux

(5 highest days with recorded sand flux > 0.1 g/cm<sup>2</sup>/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: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016



## East TwB2

### Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T24 Addition	1631A	390	59	6.61	60
T24 Addition	1631B	353	51	6.92	0
T24 Addition	1632A	413	51	8.1	27
T24 Addition	1632B	335	50	6.7	0
T24 Addition	1633A	363	45	8.07	67
T24 Addition	1634A	435	55	7.91	70



# Tillage with BACM Backup

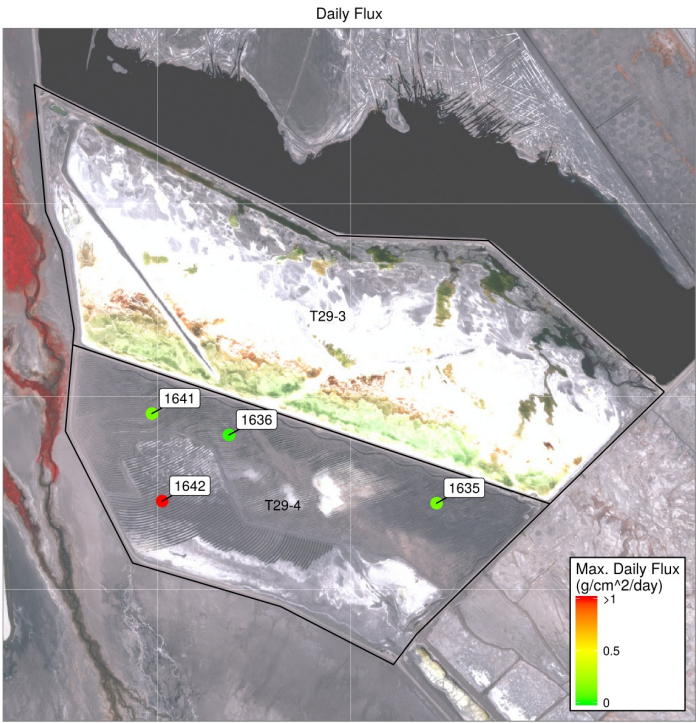
Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016



## 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	2016-11-16	4.81
T29-4	1635	2016-11-16	0.12
T29-4	1641	2016-11-16	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

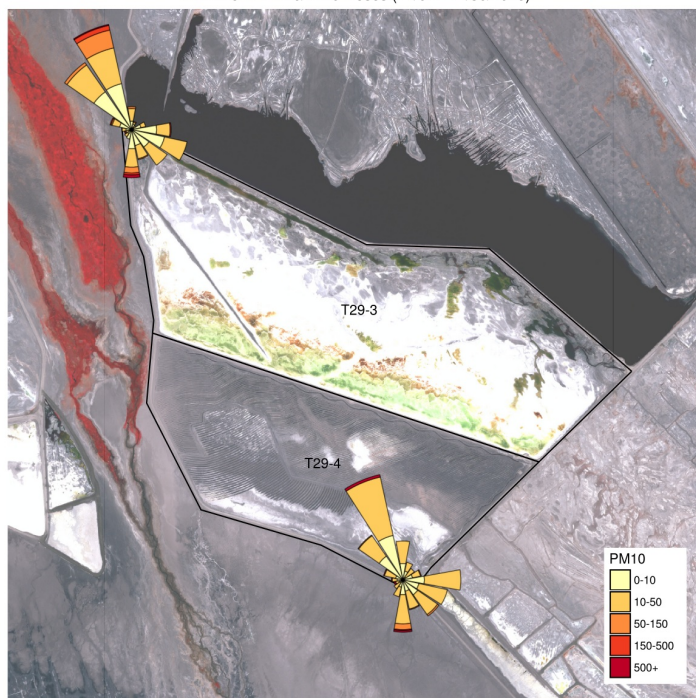
Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016

## North TwB2

### Paired TEOM PM10 Results

TwB2 North PM10/Wind Roses (11/01 - 11/30/2016)



Date	Upwind PM10 (micrograms/m <sup>3</sup> )	Downwind PM10 (micrograms/m <sup>3</sup> )	PM10 Increase (micrograms/m <sup>3</sup> )	Windspeed at Max PM10 Increase (m/s)
11-16-16	67.05	308.52	241.48	15.19
11-15-16	4.52	6.74	2.23	3.12
11-23-16	2.66	3.16	0.50	3.80
11-25-16	2.05	2.41	0.36	2.24
11-28-16	2.70	3.02	0.33	11.20
11-04-16	0.44	0.74	0.30	2.34
11-08-16	0.53	0.76	0.23	2.11
11-22-16	1.66	1.90	0.23	2.20
11-19-16	0.58	0.71	0.13	1.78
11-21-16	0.51	0.60	0.08	2.48
11-29-16	2.21	2.22	0.02	4.55

# Tillage with BACM Backup

Summary Period: 11-01-2016 through 11-30-2016

Report Date: 12-12-2016



## North TwB2

### Surface Survey Data

DCA	Site	Row Spacing (cm)	Row Height (cm)	RS/RH	Clod Coverage (%)
T29-3	1635A	305	38	8.03	0
T29-3	1635B	315	40	7.88	0
T29-3	1635C	295	42	7.02	0
T29-3	1636A	305	49	6.22	0
T29-3	1636B	345	53	6.51	0
T29-3	1641A	320	54	5.93	53
T29-3	1642A	385	52	7.4	80