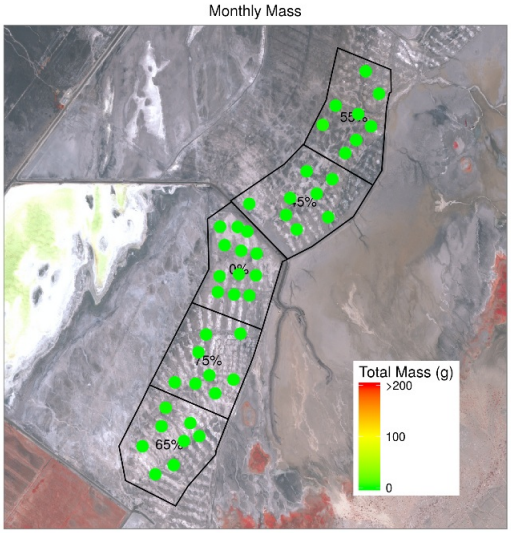
Shallow Flood Wetness Curve Refinement Field Test

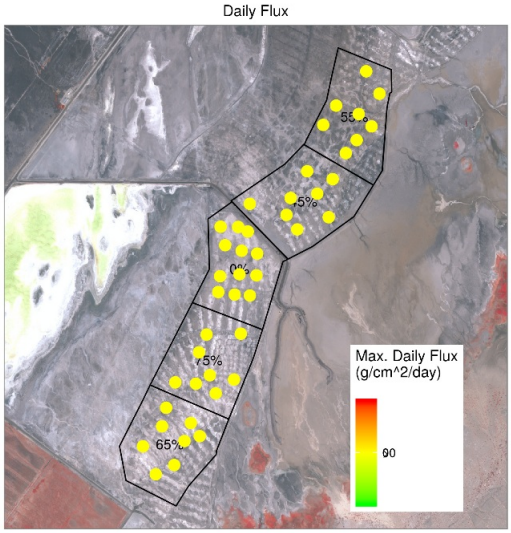
Summary Period: 05-01-2016 through 05-31-2016

Report Date: 11-17-2016

T10-1

Monitoring Site Results





Monthly Sand Reduction Control Efficiency[1]

DCA	Treatment Area	Area Average Sand Mass (g/month)	Control Efficiency
T10-1	0%	0.02	-
T10-1	45%	0.02	-
T10-1	55%	0.15	-
T10-1	65%	0.10	-
T10-1	75%	0.05	-

Daily Sand Flux Reduction Control Efficiency[2]

No days with average daily flux in control area > 1 g/cm^2/day.

Shallow Flood Wetness Curve Refinement Field Test

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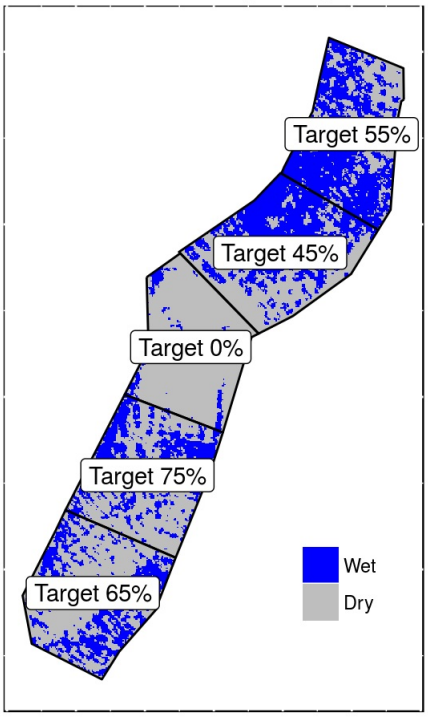
T10-1

SWIR Wet/Dry Image



SWIR Estimated Wetness

DCA	Target Wetness	SWIR Estimated Wetness
T10-1	45%	0.54
T10-1	75%	0.37
T10-1	65%	0.37
T10-1	55%	0.65
T10-1	0%	0.06

Shallow Flood Wetness Curve Refinement Field Test

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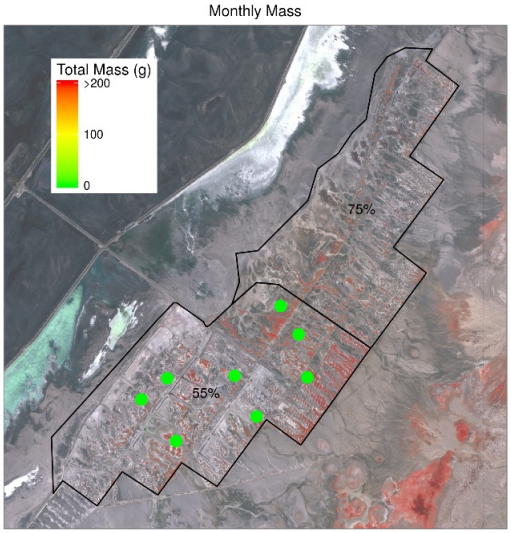
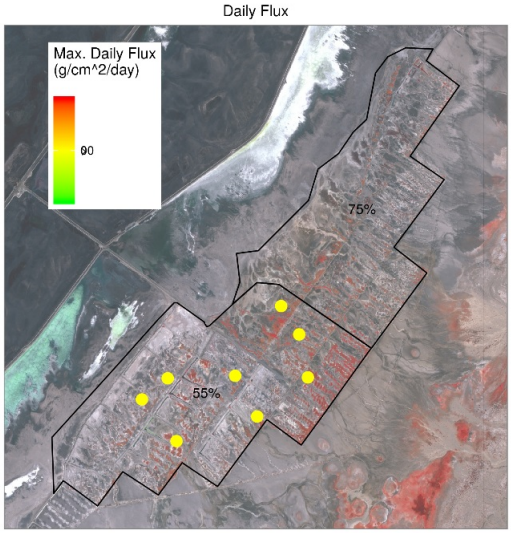
T13-1

Monitoring Site Results





Monthly Sand Reduction Control Efficiency[3]

DCA	Treatment Area	Area Average Sand Mass (g/month)	Control Efficiency
T13-1	55%	0.04	-

Daily Sand Flux Reduction Control Efficiency[4]

No days with average daily flux in control area > 1 g/cm^2/day.

Shallow Flood Wetness Curve Refinement Field Test

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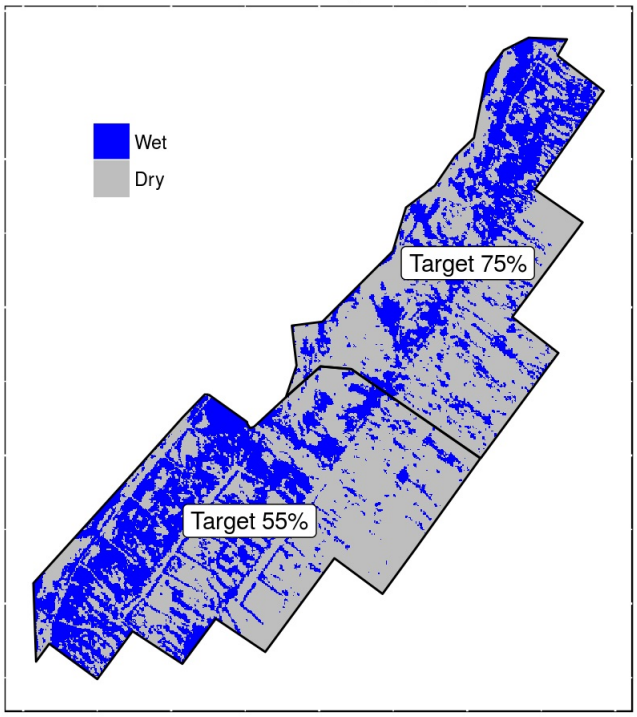
T13-1

SWIR Wet/Dry Image



SWIR Estimated Wetness

DCA	Target Wetness	SWIR Estimated Wetness
T13-1	55%	0.39
T13-1	75%	0.35

Shallow Flood Wetness Curve Refinement Field Test

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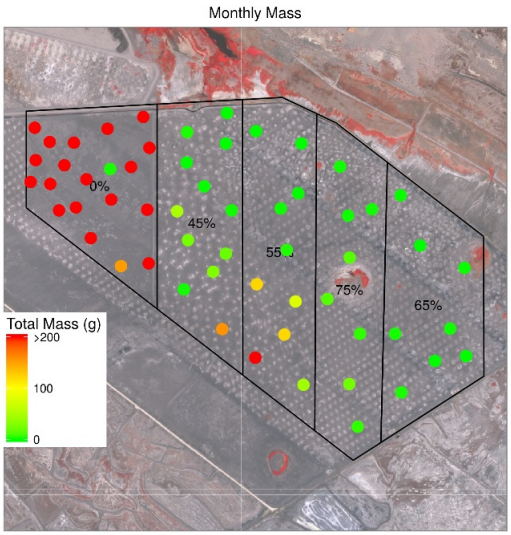
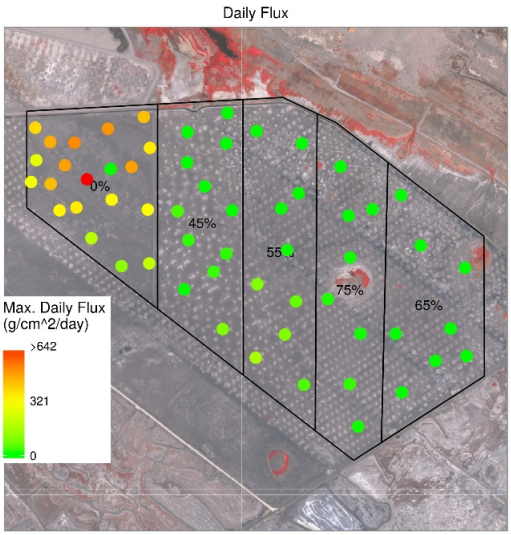
T26

Monitoring Site Results





Monthly Sand Reduction Control Efficiency[5]

DCA	Treatment Area	Area Average Sand Mass (g/month)	Control Efficiency
T26	0%	485.18	-
T26	45%	23.38	95%
T26	55%	57.08	88%
T26	65%	0.50	100%
T26	75%	7.29	98%

Daily Sand Flux Reduction Control Efficiency[6]

DCA	Date	0% Target Avg. Daily Flux (g/cm^2/day)	CE (45% Target)	CE (55% Target)	CE (65% Target)	CE (75% Target)
T26	2016-05-20	353.4050	100	88	100	99
T26	2016-05-19	43.3605	100	89	100	97
T26	2016-05-17	5.4620	100	100	100	100

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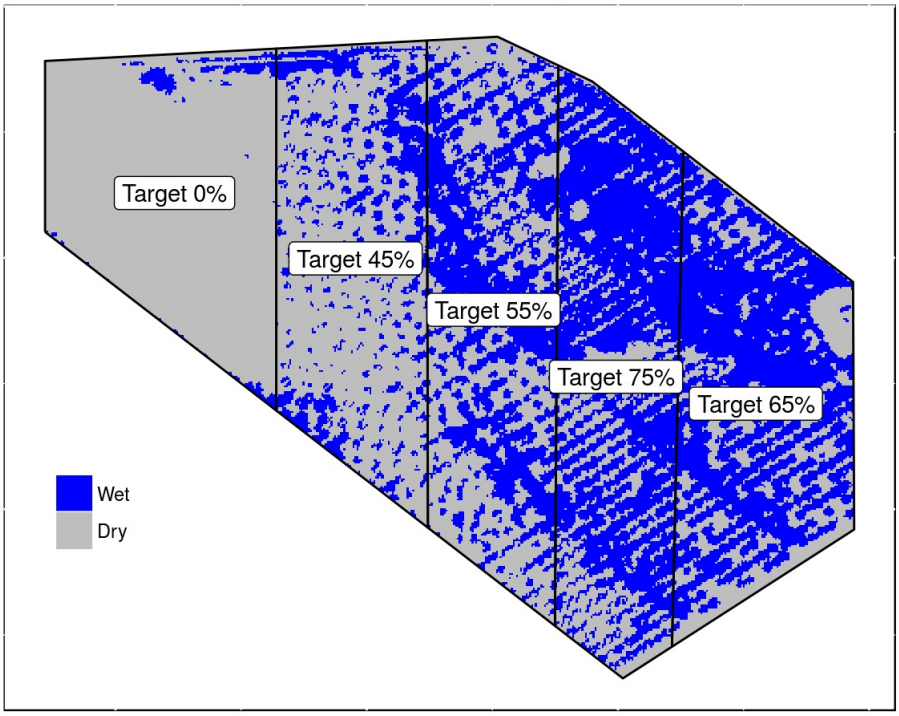
T26

SWIR Wet/Dry Image



SWIR Estimated Wetness

DCA	Target Wetness	SWIR Estimated Wetness
T26	65%	0.66
T26	0%	0.03
T26	55%	0.49
T26	75%	0.67
T26	45%	0.25

Shallow Flood Wetness Curve Refinement Field Test

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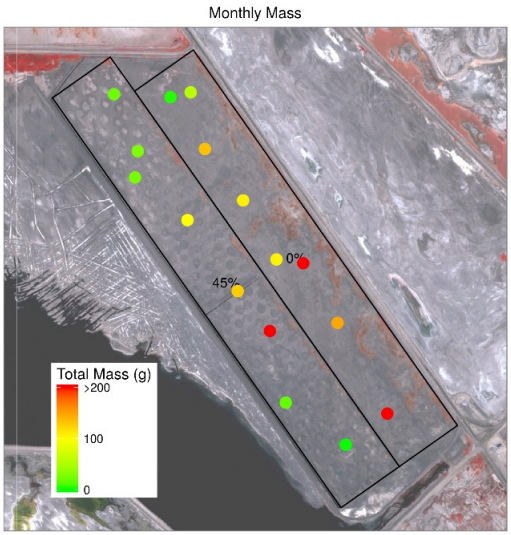
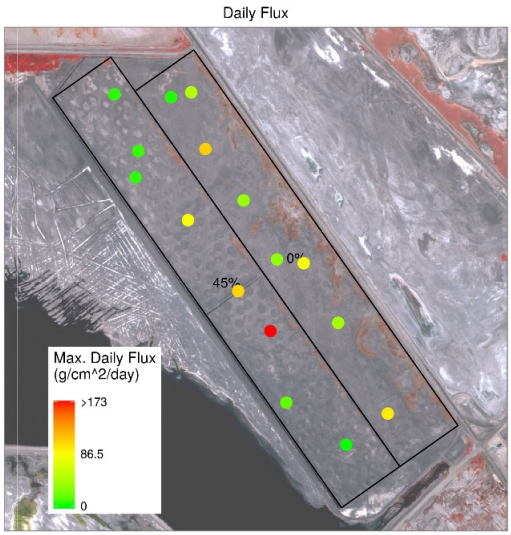
Report Date: 11-17-2016

T29-2

Monitoring Site Results





Monthly Sand Reduction Control Efficiency[7]

DCA	Treatment Area	Area Average Sand Mass (g/month)	Control Efficiency
T29-2	0%	124.49	-
T29-2	45%	65.25	48%

Daily Sand Flux Reduction Control Efficiency[8]

DCA	Date	0% Target Avg. Daily Flux (g/cm^2/day)	CE (45% Target)	CE (55% Target)	CE (65% Target)	CE (75% Target)
T29-2	2016-05-04	25.73750	99	NA	NA	NA
T29-2	2016-05-08	22.41625	99	NA	NA	NA
T29-2	2016-05-20	19.83000	-137	NA	NA	NA
T29-2	2016-05-02	13.55250	99	NA	NA	NA
T29-2	2016-05-09	11.42875	99	NA	NA	NA
T29-2	2016-05-03	8.93250	95	NA	NA	NA
T29-2	2016-05-01	1.46250	91	NA	NA	NA

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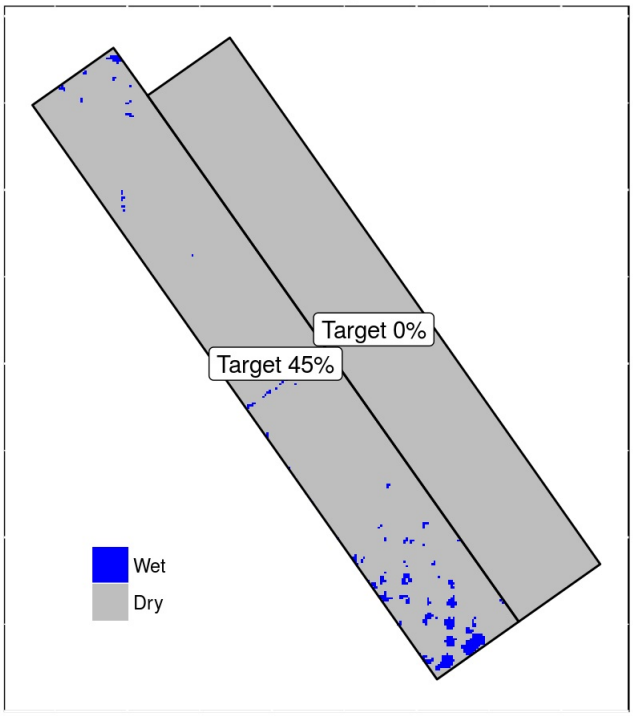
T29-2

SWIR Wet/Dry Image



SWIR Estimated Wetness

DCA	Target Wetness	SWIR Estimated Wetness
T29-2	45%	0.03
T29-2	0%	0

1. Monthly sand reduction control efficiency only calculated if area average sand mass in the control area is more than 10 grams for the month.↩
2. Daily sand flux reduction control efficiency only reported for days when the area average sand flux in the control area is more than 1 g/cm^2/day.

↩

3. Monthly sand reduction control efficiency only calculated if area average sand mass in the control area is more than 10 grams for the month.↩
4. Daily sand flux reduction control efficiency only reported for days when the area average sand flux in the control area is more than 1 g/cm^2/day.

↩

5. Monthly sand reduction control efficiency only calculated if area average sand mass in the control area is more than 10 grams for the month.↩
6. Daily sand flux reduction control efficiency only reported for days when the area average sand flux in the control area is more than 1 g/cm^2/day.

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7. Monthly sand reduction control efficiency only calculated if area average sand mass in the control area is more than 10 grams for the month.↩
8. Daily sand flux reduction control efficiency only reported for days when the area average sand flux in the control area is more than 1 g/cm^2/day.

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