

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH
Aggregate Industries
WELL NUMBER TSMW-1
PERMIT NUMBER 255552

39 Degrees 59.

Note: Copy all data annually per cell comment.

104 Degrees 50

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		15.80	4969.42	4969.80	4953.62	16.18
02/27/18		15.60	4969.42	4969.80	4953.82	15.98
03/30/18		15.80	4969.42	4969.80	4953.62	16.18
04/30/18		14.80	4969.42	4969.80	4954.62	15.18
05/31/18		14.00	4969.42	4969.80	4955.42	14.38
06/29/18		13.60	4969.42	4969.80	4955.82	13.98
07/31/18		14.20	4969.42	4969.80	4955.22	14.58
08/24/18		14.40	4969.42	4969.80	4955.02	14.78
09/18/18		14.68	4969.42	4969.80	4954.74	15.06
10/15/18		14.75	4969.42	4969.80	4954.67	15.13
11/19/18		15.14	4969.42	4969.80	4954.28	15.52
12/04/18		15.32	4969.42	4969.80	4954.10	15.70

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-3

PERMIT NUMBER 255550

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		12.60	4965.41	4963.10	4952.81	10.29
02/27/18		12.40	4965.41	4963.10	4953.01	10.09
03/30/18		12.50	4965.41	4963.10	4952.91	10.19
04/30/18		12.10	4965.41	4963.10	4953.31	9.79
05/31/18		11.20	4965.41	4963.10	4954.21	8.89
06/29/18		11.40	4965.41	4963.10	4954.01	9.09
07/31/18		11.50	4965.41	4963.10	4953.91	9.19
08/24/18		11.80	4965.41	4963.10	4953.61	9.49
09/18/18		12.01	4965.41	4963.10	4953.40	9.70
10/15/18		11.90	4965.41	4963.10	4953.51	9.59
11/19/18		12.08	4965.41	4963.10	4953.33	9.77
12/04/18		12.18	4965.41	4963.10	4953.23	9.87

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-4

PERMIT NUMBER 255549

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		12.00	4964.20	4962.10	4952.20	9.90
02/27/18		12.20	4964.20	4962.10	4952.00	10.10
03/30/18		12.40	4964.20	4962.10	4951.80	10.30
04/30/18		11.70	4964.20	4962.10	4952.50	9.60
05/31/18		11.30	4964.20	4962.10	4952.90	9.20
06/29/18		11.00	4964.20	4962.10	4953.20	8.90
07/31/18		11.40	4964.20	4962.10	4952.80	9.30
08/24/18		11.30	4964.20	4962.10	4952.90	9.20
09/18/18		12.48	4964.20	4962.10	4951.72	10.38
10/15/18		11.55	4964.20	4962.10	4952.65	9.45
11/19/18		11.63	4964.20	4962.10	4952.57	9.53
12/04/18		11.74	4964.20	4962.10	4952.46	9.64

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-5

PERMIT NUMBER 255548

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		13.20	4966.45	4964.10	4953.25	10.85
12/27/18		13.00	4966.45	4964.10	4953.45	10.65
03/30/18		13.10	4966.45	4964.10	4953.35	10.75
04/30/18		12.60	4966.45	4964.10	4953.85	10.25
05/31/18		11.80	4966.45	4964.10	4954.65	9.45
06/29/18		11.50	4966.45	4964.10	4954.95	9.15
07/31/18		11.60	4966.45	4964.10	4954.85	9.25
08/24/18		12.00	4966.45	4964.10	4954.45	9.65
09/18/18		12.17	4966.45	4964.10	4954.28	9.82
10/15/18		13.32	4966.45	4964.10	4953.13	10.97
11/19/18		12.67	4966.45	4964.10	4953.78	10.32
12/04/18		12.90	4966.45	4964.10	4953.55	10.55

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-6

PERMIT NUMBER 255547

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		11.90	4963.42	4961.10	4951.52	9.58
02/27/18		11.50	4963.42	4961.10	4951.92	9.18
03/30/18		11.80	4963.42	4961.10	4951.62	9.48
04/30/18		11.30	4963.42	4961.10	4952.12	8.98
05/31/18		10.60	4963.42	4961.10	4952.82	8.28
06/29/18		10.50	4963.42	4961.10	4952.92	8.18
07/31/18		10.70	4963.42	4961.10	4952.72	8.38
08/24/18		10.80	4963.42	4961.10	4952.62	8.48
09/18/18		11.05	4963.42	4961.10	4952.37	8.73
10/15/18		11.13	4963.42	4961.10	4952.29	8.81
11/19/18		11.19	4963.42	4961.10	4952.23	8.87
12/04/18		11.32	4963.42	4961.10	4952.10	9.00

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-7

PERMIT NUMBER 255546

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		10.90	4962.31	4960.40	4951.41	8.99
02/27/18		11.20	4962.31	4960.40	4951.11	9.29
03/30/18		11.30	4962.31	4960.40	4951.01	9.39
04/30/18		10.80	4962.31	4960.40	4951.51	8.89
05/31/18		10.50	4962.31	4960.40	4951.81	8.59
06/29/18		10.30	4962.31	4960.40	4952.01	8.39
07/31/18		10.10	4962.31	4960.40	4952.21	8.19
08/24/18		10.40	4962.31	4960.40	4951.91	8.49
09/18/18		10.62	4962.31	4960.40	4951.69	8.71
10/15/18		10.60	4962.31	4960.40	4951.71	8.69
11/19/18		10.53	4962.31	4960.40	4951.78	8.62
12/04/18		10.62	4962.31	4960.40	4951.69	8.71

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-8

PERMIT NUMBER 255545

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		12.30	4961.99	4960.10	4949.69	10.41
02/27/18		11.80	4961.99	4960.10	4950.19	9.91
03/30/18		12.00	4961.99	4960.10	4949.99	10.11
04/30/18		11.50	4961.99	4960.10	4950.49	9.61
05/31/18		10.80	4961.99	4960.10	4951.19	8.91
06/29/18		10.50	4961.99	4960.10	4951.49	8.61
07/31/18		11.00	4961.99	4960.10	4950.99	9.11
08/24/18		11.30	4961.99	4960.10	4950.69	9.41
09/18/18		11.50	4961.99	4960.10	4950.49	9.61
10/15/18		11.28	4961.99	4960.10	4950.71	9.39
11/19/18		11.10	4961.99	4960.10	4950.89	9.21
12/04/18		11.15	4961.99	4960.10	4950.84	9.26

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-9

PERMIT NUMBER 255544

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		10.60	4959.80	4957.70	4949.20	8.50
02/27/18		10.20	4959.80	4957.70	4949.60	8.10
03/30/18		10.60	4959.80	4957.70	4949.20	8.50
04/30/18		10.30	4959.80	4957.70	4949.50	8.20
05/31/18		9.50	4959.80	4957.70	4950.30	7.40
06/29/18		9.30	4959.80	4957.70	4950.50	7.20
07/31/18		9.50	4959.80	4957.70	4950.30	7.40
08/24/18		9.70	4959.80	4957.70	4950.10	7.60
09/18/18		10.03	4959.80	4957.70	4949.77	7.93
10/15/18		9.93	4959.80	4957.70	4949.87	7.83
11/19/18		9.72	4959.80	4957.70	4950.08	7.62
12/04/18		9.76	4959.80	4957.70	4950.04	7.66

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-10

PERMIT NUMBER 255543

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18			4959.71	4957.70		
02/27/18		11.00	4959.71	4957.70	4948.71	8.99
03/30/18		11.40	4959.71	4957.70	4948.31	9.39
04/30/18		11.00	4959.71	4957.70	4948.71	8.99
05/31/18		10.20	4959.71	4957.70	4949.51	8.19
06/29/18		9.60	4959.71	4957.70	4950.11	7.59
07/31/18		10.30	4959.71	4957.70	4949.41	8.29
08/24/18		10.70	4959.71	4957.70	4949.01	8.69
09/18/18		11.30	4959.71	4957.70	4948.41	9.29
10/15/18		10.85	4959.71	4957.70	4948.86	8.84
11/19/18		10.57	4959.71	4957.70	4949.14	8.56
12/04/18		10.58	4959.71	4957.70	4949.13	8.57

GROUNDWATER OBSERVATION DATA SHEETS								Aggregate Industries
TUCSON SOUTH								
WELL NUMBER MW-11				PERMIT NUMBER 25542				
Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)	Difference from Historic Levels (ft)	Notes
01/31/18		13.60	4959.32	4956.70	4945.72	10.98		
02/27/18			4959.32	4956.70				Lost in grading (apparently from Todd Creek pipeline install)

**GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH**

WELL NUMBER MW-12		PERMIT NUMBER 255541						(Consultant Measures on behalf of Thornton)
WELL NUMBER MW-12A		PERMIT NUMBER 271578 (replaces MW-12 as of 10/19/06)						
Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)	Difference from Historic Levels (ft)	Notes
1/12/2018		8.42	4963.12	4960.34	4954.70	5.64		David Diedrich Water Resources Analyst City of Thornton dave.diedrich@cityofthornton.net 720-477-6236
5/31/2018		12.50	4963.12	4960.34	4950.62	9.72		AI started measuring. Thornton still measures too so can check their data but enter AI's here.
6/29/2018		11.90	4963.12	4960.34	4951.22	9.12		
7/31/2018		12.00	4963.12	4960.34	4951.12	9.22		
8/24/2018		12.00	4963.12	4960.34	4951.12	9.22		
9/18/2018		15.87	4963.12	4960.34	4947.25	13.09		Question regarding measurement? No notes found
10/15/2018		12.31	4963.12	4960.34	4950.81	9.53		
11/19/2018		12.29	4963.12	4960.34	4950.83	9.51		
12/4/2018		12.36	4963.12	4960.34	4950.76	9.58		

**GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH**

WELL NUMBER MW-13

PERMIT NUMBER 255540

(Consultant Measures on behalf of Thornton)

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)	Difference from Historic Levels (ft)	Notes
1/12/2018		8.35	4958.44	4955.90	4950.09	5.81		David Diedrich Water Resources Analyst City of Thornton dave.diedrich@cityofthornton.net 720-977-6236
			4958.44	4955.90				
			4958.44	4955.90				
			4958.44	4955.90				
			4958.44	4955.90				
5/31/2018		8.40	4958.44	4955.90	4950.04	5.86		AI started measuring. Thornton still measures too so can check their data but enter AI's here.
6/29/2018		8.20	4958.44	4955.90	4950.24	5.66		
7/31/2018		8.00	4958.44	4955.90	4950.44	5.46		
8/24/2018		7.90	4958.44	4955.90	4950.54	5.36		
9/18/2018		8.12	4958.44	4955.90	4950.32	5.58		
10/15/2018		8.20	4958.44	4955.90	4950.24	5.66		
11/19/2018		8.17	4958.44	4955.90	4950.27	5.63		
12/4/2018		8.22	4958.44	4955.90	4950.22	5.68		

**GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH**

WELL NUMBER MW-14

PERMIT NUMBER 255538

(Consultant Measures on behalf of Thornton)

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)	Difference from Historic Levels (ft)	Notes
1/12/2018		8.44	4959.06	4956.60	4950.62	5.98		David Diedrich Water Resources Analyst City of Thornton dave.diedrich@cityofthornton.net 720-977-6236
			4959.06	4956.60				
			4959.06	4956.60				
			4959.06	4956.60				
			4959.06	4956.60				
5/31/2018		8.50						AI started measuring. Thornton still measures too so can check their data but enter AI's here.
			4959.06	4956.60	4950.56	6.04		
6/29/2018		8.10	4959.06	4956.60	4950.96	5.64		
7/31/2018		8.20	4959.06	4956.60	4950.86	5.74		
8/24/2018		8.10	4959.06	4956.60	4950.96	5.64		
9/18/2018		8.12	4959.06	4956.60	4950.94	5.66		
10/15/2018		8.25	4959.06	4956.60	4950.81	5.79		
11/19/2018		8.28	4959.06	4956.60	4950.78	5.82		
12/4/2018		8.33	4959.06	4956.60	4950.73	5.87		

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

WELL NUMBER MW-15

PERMIT NUMBER 255537

(Consultant Measures on behalf of Thornton)

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)	Difference from Historic Levels (ft)	Notes
1/12/2018		9.74	4961.04	4958.40	4951.30	7.10		David Diedrich Water Resources Analyst City of Thornton dave.diedrich@cityofthornton.net 720-977-6236
			4961.04	4958.40				
			4961.04	4958.40				
			4961.04	4958.40				
			4961.04	4958.40				
5/31/2018		10.10						AI started measuring. Thornton still measures too so can check their data but enter AI's here.
			4961.04	4958.40	4950.94	7.46		
6/29/2018		9.80	4961.04	4958.40	4951.24	7.16		
7/31/2018		9.60	4961.04	4958.40	4951.44	6.96		
8/24/2018		9.50	4961.04	4958.40	4951.54	6.86		
9/18/2018		9.80	4961.04	4958.40	4951.24	7.16		
10/15/2018		9.80	4961.04	4958.40	4951.24	7.16		
11/19/2018		9.89	4961.04	4958.40	4951.15	7.25		
12/4/2018		9.98	4961.04	4958.40	4951.06	7.34		

GROUNDWATER OBSERVATION DATA SHEETS TUCSON SOUTH

WELL NUMBER MW-16

PERMIT NUMBER 255536

(Consultant Measures on behalf of Thornton)

WELL NUMBER MW-16A

PERMIT NUMBER 271579 (replaces MW-16 as of 10/19/06)

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)	Difference from Historic Levels (ft)	Notes
1/12/2018		7.95	4961.96	4959.36	4954.01	5.35		David Diedrich
			4961.96	4959.36				Water Resources Analyst
			4961.96	4959.36				City of Thornton
			4961.96	4959.36				dave.diedrich@cityofthornton.net
			4961.96	4959.36				720-977-6236
5/31/2018		7.70	4961.96	4959.36	4954.26	5.10		AI started measuring. Thornton still measures too so can check their data but enter AI's here.
6/29/2018		7.80	4961.96	4959.36	4954.16	5.20		
7/31/2018		7.70	4961.96	4959.36	4954.26	5.10		
8/24/2018		7.70	4961.96	4959.36	4954.26	5.10		
9/18/2018		7.70	4961.96	4959.36	4954.26	5.10		
10/15/2018		7.67	4961.96	4959.36	4954.29	5.07		
11/19/2018		7.85	4961.96	4959.36	4954.11	5.25		
12/4/2018		7.91	4961.96	4959.36	4954.05	5.31		

GROUNDWATER OBSERVATION DATA SHEETS
TUCSON SOUTH

Aggregate Industries

WELL NUMBER MW-17

PERMIT NUBMER 255535

39 Degrees 59.2

104 Degrees 50.

Date	Time	Depth Measured (PVC rim to water) (ft)	PVC Rim Elevation (ft)	Ground Elevation (ft)	Water Elevation (ft)	Depth Below Original Ground (ft)
01/31/18		11.20	4966.78	4964.20	4955.58	8.62
02/27/18		11.10	4966.78	4964.20	4955.68	8.52
03/30/18		11.60	4966.78	4964.20	4955.18	9.02
04/30/18		11.20	4966.78	4964.20	4955.58	8.62
05/31/18		11.10	4966.78	4964.20	4955.68	8.52
06/29/18		10.70	4966.78	4964.20	4956.08	8.12
07/31/18		10.80	4966.78	4964.20	4955.98	8.22
8/24/18		10.50	4966.78	4964.20	4956.28	7.92
09/18/18		10.52	4966.78	4964.20	4956.26	7.94
10/15/18		10.54	4966.78	4964.20	4956.24	7.96
11/19/18		10.61	4966.78	4964.20	4956.17	8.03
12/04/18		10.68	4966.78	4964.20	4956.10	8.10