

**Lower Santa Cruz River Managed Recharge Project
Annual Report
Underground Storage Facility Permit No. 71-591928.0000**

As facility operator, Cortaro-Marana Irrigation District (CMID) submits this annual report in compliance with conditions of Underground Storage Facility Permit #71-591928.0000, the Lower Santa Cruz River Managed Recharge Project (LSCRMRP). This Managed USF is a cooperative project of the City of Tucson, Town of Oro Valley, Town of Marana, Metropolitan Domestic Water Improvement District, Cortaro-Marana Irrigation District, Cortaro Water User's Association, Avra Valley Irrigation Drainage District, Flowing Wells Irrigation District, and Pima County, who participate in facility operation via intergovernmental agreement. Additional parties holding Water Storage Permits store water at the facility. This report includes results of facility operations and monitoring throughout 2010.

Recharge Volumes

Table 1 presents the daily recharge amounts for the project. Recharge is based on a comparison of the total inflow to the project area from two wastewater treatment plants (Roger Road and Ina Road) and the measured outflow from the project area as measured at the Trico Road USGS gauging station. See **Figure 1** for USF location map.

The volume of Roger Road effluent that is recharged or evaporated upstream from the LSCRMRP is deducted (these daily volumes are obtained from Tucson Water from the Santa Cruz River Managed Underground Storage Facility). In addition, evaporation that occurs within the project area is deducted at a rate of 2.9726 acre-feet per day. Also noted in the table are days where storm flow occurred, effectively resulting in zero recharge and/or evaporation for those days.

The *preliminary* calculated total recharge for the LSCRMRP project during 2010 was 18,342.3 acre-feet. This results from a project delivery volume of 19,356.0 acre-feet and an evaporation volume of 1,013.7 acre-feet. This recharge volume must be further deducted due to three downstream diversions of water that must be accounted for within the project area: the High Plains Recharge Project, Bridle Bit Ranch (Surface Water Right No. 33-87616) and the CMID Santa Cruz River siphon (Surface Water Right No. 33-43288). These volumes were obtained from Pima County, Bridle Bit Ranch, and CMID respectively and are deducted from the preliminary recharge volume. For 2010, the High Plains Recharge Project diverted 426.6 acre-feet, Bridle Bit Ranch diverted 850 acre-feet, and CMID diverted 0 acre-feet. This results in a net facility recharge volume of 17,065.7 acre-feet for 2010.

Water Level Monitoring

Water level measurements collected for 2010 are presented in **Table 2** and **Figures 2 through 7**. For this reporting period, all water level measurements were below their respective Alert Levels and Operation Prohibition Limits.

Distribution of Recharge Credits

Recharge credits are issued for 50% of the volume recharged by the facility to account for a 50% cut-to-the-aquifer. A total of 8,532.8 acre-feet of recharge credits are issued for 2010. The distribution of credits amongst the various Water Storage Permit holders is based on Intergovernmental Agreements governing the entitlement to effluent entering the project area. In 2010, seven Water Storage Permits were in effect. These permits were held by Tucson Water, Oro Valley, the Metropolitan Domestic Water Improvement District (MDWID), Flowing Wells Irrigation District, Spanish Trail Water Company, Pima County, and the Secretary of the Interior. **Table 3** shows the delivery volume, evaporation and diversion loss for each WSP holder.

As discussed with ADWR staff in late 2009, the method of reporting the entire facility delivery volume and physical losses to Tucson Water, with Long-Term Storage Credit transfers to other entities will not be pursued this year. Each entity will report the delivery volumes shown in Table H-3, expecting recharge credits to be assigned as outlined in Table 3.

Operational Results

The average infiltration rates for each quarter of 2010 were calculated based on the volume recharged each quarter divided by the length of the project (17.91 miles) and the number of days in each quarter. The quarterly infiltration rates are summarized as follows:

Quarter	Recharge (AF)	Project Length (miles)	Days	Infiltration Rate (AF/mile/day)
1	3,631.9	17.9	90	2.2532
2	5,869.0	17.9	91	3.6010
3	4,812.4	17.9	92	2.9206
4	4,029.0	17.9	92	2.4452

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
1/1/2010	137.6	86.0	2.9726	11.1	1.5890	<input type="checkbox"/>	36.0
1/2/2010	136.9	72.4	2.9726	11.8	1.5890	<input type="checkbox"/>	48.1
1/3/2010	160.8	74.1	2.9726	22.5	1.5890	<input type="checkbox"/>	59.6
1/4/2010	142.5	91.7	2.9726	13.4	1.5890	<input type="checkbox"/>	32.9
1/5/2010	160.5	80.1	2.9726	16.8	1.5890	<input type="checkbox"/>	59.1
1/6/2010	140.5	87.5	2.9726	13.7	1.5890	<input type="checkbox"/>	34.7
1/7/2010	152.8	81.2	2.9726	16.8	1.5890	<input type="checkbox"/>	50.2
1/8/2010	152.4	86.2	2.9726	15.4	1.5890	<input type="checkbox"/>	46.2
1/9/2010	149.7	82.1	2.9726	15.3	1.5890	<input type="checkbox"/>	47.7
1/10/2010	152.7	84.0	2.9726	19.7	1.5890	<input type="checkbox"/>	44.5
1/11/2010	142.2	91.5	2.9726	15.5	1.5890	<input type="checkbox"/>	30.7
1/12/2010	163.0	85.0	2.9726	19.3	1.5890	<input type="checkbox"/>	54.2
1/13/2010	145.0	90.2	2.9726	16.6	1.5890	<input type="checkbox"/>	33.6
1/14/2010	163.6	86.6	2.9726	18.8	1.5890	<input type="checkbox"/>	53.6
1/15/2010	153.2	88.1	2.9726	14.6	1.5890	<input type="checkbox"/>	46.0
1/16/2010	129.3	82.2	2.9726	9.6	1.5890	<input type="checkbox"/>	32.9
1/17/2010	150.4	68.0	2.9726	21.6	1.5890	<input type="checkbox"/>	56.3
1/18/2010	151.8	84.2	2.9726	20.5	1.5890	<input type="checkbox"/>	42.5
1/19/2010	162.8	91.0	2.9726	18.6	1.5890	<input type="checkbox"/>	48.6
1/20/2010	155.3	123.0	2.9726	0.0	0.0000	<input type="checkbox"/>	29.4
1/21/2010	160.5	101.4	2.9726	16.7	1.5890	<input type="checkbox"/>	37.8
1/22/2010	201.2	1593.4	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
1/23/2010	153.7	1363.0	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
1/24/2010	155.3	1818.3	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
1/25/2010	157.4	242.0	0.0000	4.4	1.5890	<input checked="" type="checkbox"/>	0.0
1/26/2010	164.2	124.5	2.9726	21.3	1.5890	<input type="checkbox"/>	13.8
1/27/2010	163.0	114.8	2.9726	22.2	1.5890	<input type="checkbox"/>	21.5
1/28/2010	180.8	134.2	2.9726	0.0	0.0000	<input type="checkbox"/>	43.7
1/29/2010	168.1	144.7	2.9726	19.2	1.5890	<input type="checkbox"/>	0.0
1/30/2010	149.5	87.8	2.9726	20.3	1.5890	<input type="checkbox"/>	36.9
1/31/2010	157.3	80.5	2.9726	24.2	1.5890	<input type="checkbox"/>	48.1
Totals:*	4814.0	7519.7	80.3	439.9	41.3		1088.6

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
2/1/2010	163.5	94.0	2.9726	23.9	1.5890	<input type="checkbox"/>	41.0
2/2/2010	160.1	101.8	2.9726	22.8	1.5890	<input type="checkbox"/>	31.0
2/3/2010	154.4	84.6	2.9726	22.0	1.5890	<input type="checkbox"/>	43.2
2/4/2010	163.9	92.0	2.9726	22.7	1.5890	<input type="checkbox"/>	44.6
2/5/2010	161.3	84.3	2.9726	21.7	1.5890	<input type="checkbox"/>	50.8
2/6/2010	145.3	84.3	2.9726	20.4	1.5890	<input type="checkbox"/>	36.1
2/7/2010	184.3	146.0	2.9726	0.0	0.0000	<input type="checkbox"/>	35.3
2/8/2010	154.9	131.5	2.9726	23.4	1.5890	<input type="checkbox"/>	0.0
2/9/2010	160.6	84.4	2.9726	24.7	1.5890	<input type="checkbox"/>	47.0
2/10/2010	164.4	75.7	2.9726	19.7	1.5890	<input type="checkbox"/>	64.4
2/11/2010	162.8	104.8	2.9726	11.3	1.5890	<input type="checkbox"/>	42.1
2/12/2010	160.0	81.9	2.9726	21.8	1.5890	<input type="checkbox"/>	51.7
2/13/2010	144.4	70.7	2.9726	21.8	1.5890	<input type="checkbox"/>	47.3
2/14/2010	170.6	69.1	2.9726	26.9	1.5890	<input type="checkbox"/>	70.1
2/15/2010	164.0	83.8	2.9726	24.1	1.5890	<input type="checkbox"/>	51.5
2/16/2010	167.4	82.1	2.9726	23.5	1.5890	<input type="checkbox"/>	57.3
2/17/2010	149.4	77.0	2.9726	22.5	1.5890	<input type="checkbox"/>	45.3
2/18/2010	166.3	69.3	2.9726	24.8	1.5890	<input type="checkbox"/>	67.6
2/19/2010	160.6	77.2	2.9726	22.4	1.5890	<input type="checkbox"/>	56.5
2/20/2010	150.0	75.6	2.9726	18.7	1.5890	<input type="checkbox"/>	51.1
2/21/2010	170.2	75.3	2.9726	21.1	1.5890	<input type="checkbox"/>	69.3
2/22/2010	169.8	92.2	2.9726	17.7	1.5890	<input type="checkbox"/>	55.3
2/23/2010	162.3	314.0	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
2/24/2010	147.4	191.4	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
2/25/2010	163.4	77.4	2.9726	18.5	1.5890	<input type="checkbox"/>	62.9
2/26/2010	159.4	77.1	2.9726	10.2	1.5890	<input type="checkbox"/>	67.6
2/27/2010	136.2	80.5	2.9726	8.2	1.5890	<input type="checkbox"/>	42.9
2/28/2010	198.5	463.1	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
Totals:*	4515.4	3141.1	74.3	494.8	38.1		1231.9

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
3/1/2010	161.7	1208.8	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/2/2010	167.0	627.6	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/3/2010	155.1	300.5	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/4/2010	172.7	165.7	2.9726	10.7	1.5890	<input type="checkbox"/>	0.0
3/5/2010	166.2	111.4	2.9726	35.8	1.5890	<input type="checkbox"/>	14.5
3/6/2010	141.8	65.3	2.9726	41.7	1.5890	<input type="checkbox"/>	30.2
3/7/2010	177.7	53.0	2.9726	43.6	1.5890	<input type="checkbox"/>	76.5
3/8/2010	150.2	652.5	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/9/2010	163.1	1397.4	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/10/2010	164.2	622.2	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/11/2010	170.4	299.2	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
3/12/2010	162.0	161.6	2.9726	0.0	0.0000	<input type="checkbox"/>	0.0
3/13/2010	149.9	94.5	2.9726	0.0	0.0000	<input type="checkbox"/>	52.5
3/14/2010	165.7	102.3	2.9726	0.0	0.0000	<input type="checkbox"/>	60.4
3/15/2010	152.2	93.5	2.9726	14.8	1.5890	<input type="checkbox"/>	39.3
3/16/2010	167.4	55.3	2.9726	37.5	1.5890	<input type="checkbox"/>	70.1
3/17/2010	164.4	59.3	2.9726	35.4	1.5890	<input type="checkbox"/>	65.1
3/18/2010	159.0	60.8	2.9726	28.4	1.5890	<input type="checkbox"/>	65.2
3/19/2010	153.4	58.0	2.9726	24.0	1.5890	<input type="checkbox"/>	66.8
3/20/2010	151.9	44.1	2.9726	25.5	1.5890	<input type="checkbox"/>	77.7
3/21/2010	162.5	53.4	2.9726	27.4	1.5890	<input type="checkbox"/>	77.0
3/22/2010	163.8	63.8	2.9726	25.1	1.5890	<input type="checkbox"/>	70.3
3/23/2010	165.0	72.2	2.9726	25.6	1.5890	<input type="checkbox"/>	62.7
3/24/2010	159.6	67.1	2.9726	23.6	1.5890	<input type="checkbox"/>	64.3
3/25/2010	169.1	69.2	2.9726	25.7	1.5890	<input type="checkbox"/>	69.7
3/26/2010	156.9	70.4	2.9726	21.3	1.5890	<input type="checkbox"/>	60.6
3/27/2010	164.3	69.9	2.9726	22.5	1.5890	<input type="checkbox"/>	67.3
3/28/2010	170.8	73.0	2.9726	29.4	1.5890	<input type="checkbox"/>	63.8
3/29/2010	152.2	79.0	2.9726	23.3	1.5890	<input type="checkbox"/>	45.4
3/30/2010	170.5	70.1	2.9726	27.9	1.5890	<input type="checkbox"/>	68.0
3/31/2010	152.3	81.0	2.9726	22.8	1.5890	<input type="checkbox"/>	44.0
Totals:*	5003.0	7002.1	71.3	572.0	33.4		1311.4

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
4/1/2010	157.9	58.9	2.9726	24.9	1.5890	<input type="checkbox"/>	69.5
4/2/2010	147.2	71.5	2.9726	20.2	1.5890	<input type="checkbox"/>	51.0
4/3/2010	166.2	74.8	2.9726	27.3	1.5890	<input type="checkbox"/>	59.6
4/4/2010	164.6	85.9	2.9726	26.6	1.5890	<input type="checkbox"/>	47.6
4/5/2010	158.9	83.9	2.9726	29.3	1.5890	<input type="checkbox"/>	41.2
4/6/2010	159.8	74.2	2.9726	22.9	1.5890	<input type="checkbox"/>	58.1
4/7/2010	152.9	69.0	2.9726	22.1	1.5890	<input type="checkbox"/>	57.2
4/8/2010	151.3	66.0	2.9726	23.0	1.5890	<input type="checkbox"/>	57.8
4/9/2010	135.3	64.2	2.9726	16.9	1.5890	<input type="checkbox"/>	49.7
4/10/2010	163.3	53.7	2.9726	28.6	1.5890	<input type="checkbox"/>	76.4
4/11/2010	156.0	65.7	2.9726	25.9	1.5890	<input type="checkbox"/>	59.8
4/12/2010	147.5	65.0	2.9726	20.4	1.5890	<input type="checkbox"/>	57.5
4/13/2010	151.3	48.1	2.9726	19.1	1.5890	<input type="checkbox"/>	79.6
4/14/2010	144.3	58.1	2.9726	17.8	1.5890	<input type="checkbox"/>	63.9
4/15/2010	143.0	52.5	2.9726	16.4	1.5890	<input type="checkbox"/>	69.5
4/16/2010	128.7	49.8	2.9726	10.1	1.5890	<input type="checkbox"/>	64.2
4/17/2010	151.3	45.5	2.9726	18.1	1.5890	<input type="checkbox"/>	83.0
4/18/2010	145.7	64.0	2.9726	14.9	1.5890	<input type="checkbox"/>	62.3
4/19/2010	138.2	68.8	2.9726	10.9	1.5890	<input type="checkbox"/>	53.9
4/20/2010	152.7	65.0	2.9726	19.4	1.5890	<input type="checkbox"/>	63.7
4/21/2010	114.1	61.4	2.9726	8.1	1.5890	<input type="checkbox"/>	40.0
4/22/2010	130.9	36.3	2.9726	18.2	1.5890	<input type="checkbox"/>	71.8
4/23/2010	136.4	67.0	2.9726	9.0	1.5890	<input type="checkbox"/>	55.9
4/24/2010	166.9	67.0	2.9726	16.6	1.5890	<input type="checkbox"/>	78.9
4/25/2010	158.6	85.3	2.9726	16.0	1.5890	<input type="checkbox"/>	52.8
4/26/2010	141.0	74.6	2.9726	17.4	1.5890	<input type="checkbox"/>	44.4
4/27/2010	149.2	49.1	2.9726	21.3	1.5890	<input type="checkbox"/>	74.3
4/28/2010	127.8	52.3	2.9726	19.0	1.5890	<input type="checkbox"/>	52.0
4/29/2010	119.2	38.1	2.9726	14.8	1.5890	<input type="checkbox"/>	61.8
4/30/2010	134.4	28.8	2.9726	21.3	1.5890	<input type="checkbox"/>	79.7
Totals:*	4394.6	1844.5	89.2	576.5	47.7		1837.1

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
5/1/2010	156.9	39.5	2.9726	25.7	1.5890	<input type="checkbox"/>	87.2
5/2/2010	142.0	51.7	2.9726	21.5	1.5890	<input type="checkbox"/>	64.2
5/3/2010	136.6	49.8	2.9726	21.8	1.5890	<input type="checkbox"/>	60.4
5/4/2010	146.2	41.4	2.9726	24.8	1.5890	<input type="checkbox"/>	75.5
5/5/2010	143.0	47.4	2.9726	39.8	1.5890	<input type="checkbox"/>	51.3
5/6/2010	129.8	29.3	2.9726	30.4	1.5890	<input type="checkbox"/>	65.6
5/7/2010	137.5	41.9	2.9726	26.6	1.5890	<input type="checkbox"/>	64.4
5/8/2010	152.4	44.0	2.9726	31.3	1.5890	<input type="checkbox"/>	72.5
5/9/2010	143.7	44.0	2.9726	28.1	1.5890	<input type="checkbox"/>	67.1
5/10/2010	137.5	42.0	2.9726	26.9	1.5890	<input type="checkbox"/>	64.0
5/11/2010	135.9	37.8	2.9726	24.4	1.5890	<input type="checkbox"/>	69.1
5/12/2010	116.2	34.3	2.9726	23.6	1.5890	<input type="checkbox"/>	53.7
5/13/2010	110.9	25.1	2.9726	24.7	1.5890	<input type="checkbox"/>	56.5
5/14/2010	115.1	20.6	2.9726	26.9	1.5890	<input type="checkbox"/>	63.1
5/15/2010	143.6	22.6	2.9726	36.1	1.5890	<input type="checkbox"/>	80.3
5/16/2010	137.3	37.2	2.9726	33.3	1.5890	<input type="checkbox"/>	62.2
5/17/2010	124.2	34.5	2.9726	30.9	1.5890	<input type="checkbox"/>	54.2
5/18/2010	132.0	26.2	2.9726	29.3	1.5890	<input type="checkbox"/>	72.0
5/19/2010	116.0	37.9	2.9726	23.3	1.5890	<input type="checkbox"/>	50.3
5/20/2010	137.2	31.2	2.9726	29.6	1.5890	<input type="checkbox"/>	71.8
5/21/2010	119.4	43.4	2.9726	24.0	1.5890	<input type="checkbox"/>	47.5
5/22/2010	128.6	21.3	2.9726	30.8	1.5890	<input type="checkbox"/>	71.9
5/23/2010	133.5	28.8	2.9726	30.9	1.5890	<input type="checkbox"/>	69.2
5/24/2010	115.9	31.8	2.9726	23.5	1.5890	<input type="checkbox"/>	55.9
5/25/2010	125.9	26.7	2.9726	27.9	1.5890	<input type="checkbox"/>	66.8
5/26/2010	109.9	29.9	2.9726	21.5	1.5890	<input type="checkbox"/>	53.8
5/27/2010	164.6	19.7	2.9726	59.5	1.5890	<input type="checkbox"/>	80.9
5/28/2010	114.9	29.3	2.9726	26.5	1.5890	<input type="checkbox"/>	54.5
5/29/2010	132.3	25.7	2.9726	32.8	1.5890	<input type="checkbox"/>	69.1
5/30/2010	116.5	29.9	2.9726	24.0	1.5890	<input type="checkbox"/>	58.0
5/31/2010	125.0	24.2	2.9726	31.2	1.5890	<input type="checkbox"/>	65.1
Totals:*	4080.5	1049.1	92.2	891.6	49.3		1998.1

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
6/1/2010	130.3	28.9	2.9726	28.1	1.5890	<input type="checkbox"/>	68.8
6/2/2010	100.4	29.6	2.9726	16.1	1.5890	<input type="checkbox"/>	50.1
6/3/2010	121.7	22.4	2.9726	34.4	1.5890	<input type="checkbox"/>	60.3
6/4/2010	111.9	26.9	2.9726	25.0	1.5890	<input type="checkbox"/>	55.4
6/5/2010	136.0	23.0	2.9726	35.2	1.5890	<input type="checkbox"/>	73.3
6/6/2010	134.5	30.8	2.9726	29.9	1.5890	<input type="checkbox"/>	69.2
6/7/2010	124.6	38.0	2.9726	25.2	1.5890	<input type="checkbox"/>	56.9
6/8/2010	132.4	31.5	2.9726	29.0	1.5890	<input type="checkbox"/>	67.3
6/9/2010	101.5	29.9	2.9726	14.1	1.5890	<input type="checkbox"/>	53.0
6/10/2010	108.8	6.7	2.9726	25.0	1.5890	<input type="checkbox"/>	72.5
6/11/2010	116.3	9.7	2.9726	28.6	1.5890	<input type="checkbox"/>	73.4
6/12/2010	119.6	14.7	2.9726	22.9	1.5890	<input type="checkbox"/>	77.4
6/13/2010	115.5	19.3	2.9726	20.0	1.5890	<input type="checkbox"/>	71.7
6/14/2010	116.1	20.3	2.9726	20.3	1.5890	<input type="checkbox"/>	70.9
6/15/2010	127.9	22.5	2.9726	26.3	1.5890	<input type="checkbox"/>	74.6
6/16/2010	102.5	26.2	2.9726	16.4	1.5890	<input type="checkbox"/>	55.4
6/17/2010	110.8	15.5	2.9726	26.8	1.5890	<input type="checkbox"/>	64.0
6/18/2010	114.2	15.3	2.9726	27.5	1.5890	<input type="checkbox"/>	66.9
6/19/2010	111.5	15.3	2.9726	21.1	1.5890	<input type="checkbox"/>	70.5
6/20/2010	114.2	18.1	2.9726	24.5	1.5890	<input type="checkbox"/>	66.9
6/21/2010	121.8	20.3	2.9726	29.8	1.5890	<input type="checkbox"/>	67.2
6/22/2010	129.0	27.5	2.9726	25.8	1.5890	<input type="checkbox"/>	71.1
6/23/2010	98.5	24.7	2.9726	12.5	1.5890	<input type="checkbox"/>	56.7
6/24/2010	126.5	15.8	2.9726	34.4	1.5890	<input type="checkbox"/>	71.7
6/25/2010	115.9	20.6	2.9726	22.9	1.5890	<input type="checkbox"/>	67.8
6/26/2010	111.7	8.0	2.9726	22.0	1.5890	<input type="checkbox"/>	77.2
6/27/2010	120.6	9.1	2.9726	27.5	1.5890	<input type="checkbox"/>	79.4
6/28/2010	120.6	14.5	2.9726	26.3	1.5890	<input type="checkbox"/>	75.3
6/29/2010	123.5	11.8	2.9726	25.0	1.5890	<input type="checkbox"/>	82.1
6/30/2010	104.7	13.6	2.9726	19.8	1.5890	<input type="checkbox"/>	66.8
Totals:*	3523.5	610.5	89.2	742.4	47.7		2033.8

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
7/1/2010	121.1	10.1	2.9726	31.8	1.5890	<input type="checkbox"/>	74.7
7/2/2010	116.8	10.5	2.9726	25.1	1.5890	<input type="checkbox"/>	76.6
7/3/2010	100.8	14.4	2.9726	14.7	1.5890	<input type="checkbox"/>	67.2
7/4/2010	103.1	11.9	2.9726	19.3	1.5890	<input type="checkbox"/>	67.3
7/5/2010	110.5	12.3	2.9726	23.5	1.5890	<input type="checkbox"/>	70.1
7/6/2010	118.3	13.3	2.9726	23.2	1.5890	<input type="checkbox"/>	77.3
7/7/2010	111.4	14.2	2.9726	21.0	1.5890	<input type="checkbox"/>	71.6
7/8/2010	121.0	12.1	2.9726	26.2	1.5890	<input type="checkbox"/>	78.1
7/9/2010	118.8	13.5	2.9726	23.4	1.5890	<input type="checkbox"/>	77.3
7/10/2010	123.2	13.1	2.9726	24.7	1.5890	<input type="checkbox"/>	80.9
7/11/2010	132.9	14.0	2.9726	32.1	1.5890	<input type="checkbox"/>	82.2
7/12/2010	127.0	14.1	2.9726	24.9	1.5890	<input type="checkbox"/>	83.4
7/13/2010	125.9	17.7	2.9726	30.2	1.5890	<input type="checkbox"/>	73.6
7/14/2010	123.7	26.0	2.9726	29.5	1.5890	<input type="checkbox"/>	63.7
7/15/2010	125.5	24.3	2.9726	31.7	1.5890	<input type="checkbox"/>	64.9
7/16/2010	122.9	25.9	2.9726	28.9	1.5890	<input type="checkbox"/>	63.5
7/17/2010	121.3	23.9	2.9726	23.1	1.5890	<input type="checkbox"/>	69.7
7/18/2010	126.2	21.7	2.9726	31.5	1.5890	<input type="checkbox"/>	68.5
7/19/2010	126.8	21.5	2.9726	31.4	1.5890	<input type="checkbox"/>	69.3
7/20/2010	132.2	59.3	2.9726	0.0	0.0000	<input type="checkbox"/>	69.9
7/21/2010	122.5	49.7	2.9726	28.8	1.5890	<input type="checkbox"/>	39.3
7/22/2010	139.1	34.0	2.9726	22.5	1.5890	<input type="checkbox"/>	78.1
7/23/2010	136.4	80.4	2.9726	9.2	1.5890	<input type="checkbox"/>	42.2
7/24/2010	128.0	76.9	2.9726	12.0	1.5890	<input type="checkbox"/>	34.6
7/25/2010	141.9	51.2	2.9726	43.7	1.5890	<input type="checkbox"/>	42.4
7/26/2010	129.3	55.0	2.9726	31.8	1.5890	<input type="checkbox"/>	37.9
7/27/2010	123.8	49.7	2.9726	0.0	0.0000	<input type="checkbox"/>	71.1
7/28/2010	127.5	1233.8	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
7/29/2010	139.6	29.1	2.9726	0.0	0.0000	<input type="checkbox"/>	107.5
7/30/2010	160.1	590.8	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
7/31/2010	161.5	5398.5	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
Totals:*	3919.1	8022.9	83.2	644.2	39.7		1902.9

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
8/1/2010	158.0	773.9	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
8/2/2010	155.2	77.3	2.9726	22.2	1.5890	<input type="checkbox"/>	51.2
8/3/2010	127.2	36.7	2.9726	19.7	1.5890	<input type="checkbox"/>	66.2
8/4/2010	132.1	0.7	2.9726	25.9	1.5890	<input type="checkbox"/>	101.0
8/5/2010	140.7	6.3	2.9726	25.4	1.5890	<input type="checkbox"/>	104.5
8/6/2010	127.4	32.5	2.9726	19.9	1.5890	<input type="checkbox"/>	70.4
8/7/2010	128.6	27.2	2.9726	23.6	1.5890	<input type="checkbox"/>	73.1
8/8/2010	150.0	42.0	2.9726	25.6	1.5890	<input type="checkbox"/>	77.9
8/9/2010	146.7	57.2	2.9726	26.1	1.5890	<input type="checkbox"/>	58.8
8/10/2010	133.3	50.7	2.9726	23.3	1.5890	<input type="checkbox"/>	54.7
8/11/2010	135.2	33.6	2.9726	22.3	1.5890	<input type="checkbox"/>	74.7
8/12/2010	134.1	31.7	2.9726	20.1	1.5890	<input type="checkbox"/>	77.8
8/13/2010	126.0	34.9	2.9726	19.3	1.5890	<input type="checkbox"/>	67.2
8/14/2010	118.1	30.6	2.9726	16.3	1.5890	<input type="checkbox"/>	66.6
8/15/2010	126.5	25.1	2.9726	19.7	1.5890	<input type="checkbox"/>	77.1
8/16/2010	141.4	40.4	2.9726	21.0	1.5890	<input type="checkbox"/>	75.5
8/17/2010	138.7	38.7	2.9726	23.9	1.5890	<input type="checkbox"/>	71.6
8/18/2010	133.3	41.8	2.9726	18.7	1.5890	<input type="checkbox"/>	68.3
8/19/2010	134.6	36.6	2.9726	19.3	1.5890	<input type="checkbox"/>	74.1
8/20/2010	124.8	37.1	2.9726	16.6	1.5890	<input type="checkbox"/>	66.5
8/21/2010	129.2	30.1	2.9726	20.9	1.5890	<input type="checkbox"/>	73.7
8/22/2010	151.1	60.6	2.9726	12.7	1.5890	<input type="checkbox"/>	73.2
8/23/2010	159.3	66.7	2.9726	27.0	1.5890	<input type="checkbox"/>	61.0
8/24/2010	134.8	59.8	2.9726	0.0	0.0000	<input type="checkbox"/>	72.0
8/25/2010	159.1	244.0	0.0000	8.8	1.5890	<input checked="" type="checkbox"/>	0.0
8/26/2010	137.4	66.0	2.9726	12.9	1.5890	<input type="checkbox"/>	53.9
8/27/2010	142.2	44.5	2.9726	19.2	1.5890	<input type="checkbox"/>	73.9
8/28/2010	171.3	61.3	2.9726	0.0	0.0000	<input type="checkbox"/>	107.0
8/29/2010	152.3	565.2	0.0000	0.0	0.0000	<input checked="" type="checkbox"/>	0.0
8/30/2010	159.6	170.7	0.0000	45.3	1.5890	<input checked="" type="checkbox"/>	0.0
8/31/2010	130.0	106.1	2.9726	33.4	1.5890	<input type="checkbox"/>	0.0
Totals:*	4338.2	2930.0	80.3	589.1	42.9		1891.9

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
9/1/2010	143.6	86.2	2.9726	39.6	1.5890	<input type="checkbox"/>	13.2
9/2/2010	132.2	108.4	2.9726	33.7	1.5890	<input type="checkbox"/>	0.0
9/3/2010	122.6	113.2	2.9726	23.1	1.5890	<input type="checkbox"/>	0.0
9/4/2010	129.8	191.6	0.0000	4.7	1.5890	<input checked="" type="checkbox"/>	0.0
9/5/2010	124.8	86.7	2.9726	32.1	1.5890	<input type="checkbox"/>	1.4
9/6/2010	138.9	80.5	2.9726	36.0	1.5890	<input type="checkbox"/>	17.8
9/7/2010	125.9	101.6	2.9726	28.1	1.5890	<input type="checkbox"/>	0.0
9/8/2010	145.1	124.9	2.9726	17.6	1.5890	<input type="checkbox"/>	0.0
9/9/2010	138.7	101.0	2.9726	26.3	1.5890	<input type="checkbox"/>	6.8
9/10/2010	120.9	84.8	2.9726	18.1	1.5890	<input type="checkbox"/>	13.4
9/11/2010	128.8	62.4	2.9726	17.0	1.5890	<input type="checkbox"/>	44.8
9/12/2010	123.0	70.5	2.9726	16.8	1.5890	<input type="checkbox"/>	31.1
9/13/2010	121.5	57.6	2.9726	17.0	1.5890	<input type="checkbox"/>	42.3
9/14/2010	120.0	48.1	2.9726	12.9	1.5890	<input type="checkbox"/>	54.4
9/15/2010	140.3	50.7	2.9726	11.5	1.5890	<input type="checkbox"/>	73.6
9/16/2010	135.6	58.7	2.9726	8.9	1.5890	<input type="checkbox"/>	63.3
9/17/2010	134.1	61.1	2.9726	5.1	1.5890	<input type="checkbox"/>	63.4
9/18/2010	141.6	52.5	2.9726	9.9	1.5890	<input type="checkbox"/>	74.6
9/19/2010	128.9	60.7	2.9726	6.4	1.5890	<input type="checkbox"/>	57.1
9/20/2010	131.4	55.9	2.9726	0.0	1.5890	<input type="checkbox"/>	70.9
9/21/2010	123.7	52.1	2.9726	0.0	0.0000	<input type="checkbox"/>	68.6
9/22/2010	148.4	79.9	2.9726	0.0	0.0000	<input type="checkbox"/>	65.6
9/23/2010	146.0	159.8	0.0000	47.8	1.5890	<input checked="" type="checkbox"/>	0.0
9/24/2010	133.9	80.4	2.9726	34.3	1.5890	<input type="checkbox"/>	14.6
9/25/2010	150.5	60.9	2.9726	36.6	1.5890	<input type="checkbox"/>	48.5
9/26/2010	126.8	72.6	2.9726	29.7	1.5890	<input type="checkbox"/>	20.0
9/27/2010	133.5	57.4	2.9726	21.5	1.5890	<input type="checkbox"/>	50.1
9/28/2010	118.0	72.8	2.9726	12.0	1.5890	<input type="checkbox"/>	28.6
9/29/2010	125.7	57.7	2.9726	11.2	1.5890	<input type="checkbox"/>	52.2
9/30/2010	114.1	58.8	2.9726	9.4	1.5890	<input type="checkbox"/>	41.3
Totals:*	3948.3	2409.5	83.2	567.3	44.5		1017.6

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
10/1/2010	121.4	45.3	2.9726	8.9	1.5890	<input type="checkbox"/>	62.6
10/2/2010	136.8	47.2	2.9726	0.0	0.0000	<input type="checkbox"/>	86.6
10/3/2010	121.6	85.4	2.9726	13.9	1.5890	<input type="checkbox"/>	17.7
10/4/2010	115.5	63.0	2.9726	9.8	1.5890	<input type="checkbox"/>	38.1
10/5/2010	129.5	70.9	2.9726	0.0	0.0000	<input type="checkbox"/>	55.6
10/6/2010	145.5	351.2	0.0000	15.0	1.5890	<input checked="" type="checkbox"/>	0.0
10/7/2010	113.9	86.3	2.9726	35.6	1.5890	<input type="checkbox"/>	0.0
10/8/2010	107.7	68.6	2.9726	31.4	1.5890	<input type="checkbox"/>	3.1
10/9/2010	165.8	37.8	2.9726	65.2	1.5890	<input type="checkbox"/>	58.3
10/10/2010	117.0	73.3	2.9726	35.4	1.5890	<input type="checkbox"/>	3.8
10/11/2010	122.7	62.2	2.9726	33.6	1.5890	<input type="checkbox"/>	22.2
10/12/2010	121.2	72.3	2.9726	28.0	1.5890	<input type="checkbox"/>	16.3
10/13/2010	121.8	65.4	2.9726	28.2	1.5890	<input type="checkbox"/>	23.6
10/14/2010	109.0	49.6	2.9726	23.0	1.5890	<input type="checkbox"/>	31.8
10/15/2010	130.6	35.7	2.9726	29.5	1.5890	<input type="checkbox"/>	60.8
10/16/2010	137.4	65.0	2.9726	21.4	1.5890	<input type="checkbox"/>	46.5
10/17/2010	133.1	65.2	2.9726	25.1	1.5890	<input type="checkbox"/>	38.3
10/18/2010	122.8	59.1	2.9726	19.2	1.5890	<input type="checkbox"/>	40.0
10/19/2010	129.8	56.0	2.9726	16.1	1.5890	<input type="checkbox"/>	53.1
10/20/2010	128.8	60.5	2.9726	12.2	1.5890	<input type="checkbox"/>	51.5
10/21/2010	127.2	61.5	2.9726	9.8	1.5890	<input type="checkbox"/>	51.3
10/22/2010	125.7	63.5	2.9726	1.1	1.5890	<input type="checkbox"/>	56.5
10/23/2010	139.8	57.4	2.9726	6.9	1.5890	<input type="checkbox"/>	71.0
10/24/2010	125.6	73.1	2.9726	5.7	1.5890	<input type="checkbox"/>	42.3
10/25/2010	127.5	64.5	2.9726	0.0	1.5890	<input type="checkbox"/>	58.3
10/26/2010	135.1	62.1	2.9726	7.3	1.5890	<input type="checkbox"/>	61.2
10/27/2010	138.2	67.2	2.9726	3.5	1.5890	<input type="checkbox"/>	62.9
10/28/2010	116.8	64.0	2.9726	2.8	1.5890	<input type="checkbox"/>	45.5
10/29/2010	133.7	54.8	2.9726	2.0	1.5890	<input type="checkbox"/>	72.4
10/30/2010	145.9	63.0	2.9726	5.0	1.5890	<input type="checkbox"/>	73.4
10/31/2010	128.9	70.8	2.9726	3.5	1.5890	<input type="checkbox"/>	50.0
Totals:*	3976.3	2221.9	89.2	499.1	46.1		1354.7

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
11/1/2010	125.0	67.1	2.9726	5.5	1.5890	<input type="checkbox"/>	47.8
11/2/2010	110.4	64.7	2.9726	2.6	1.5890	<input type="checkbox"/>	38.4
11/3/2010	131.0	47.1	2.9726	2.9	1.5890	<input type="checkbox"/>	76.4
11/4/2010	128.1	55.0	2.9726	3.1	1.5890	<input type="checkbox"/>	65.5
11/5/2010	143.0	62.8	2.9726	3.4	1.5890	<input type="checkbox"/>	72.3
11/6/2010	145.3	68.8	2.9726	8.8	1.5890	<input type="checkbox"/>	63.2
11/7/2010	128.9	70.8	2.9726	10.6	1.5890	<input type="checkbox"/>	43.0
11/8/2010	123.8	61.9	2.9726	6.0	1.5890	<input type="checkbox"/>	51.3
11/9/2010	118.4	58.5	2.9726	8.8	1.5890	<input type="checkbox"/>	46.6
11/10/2010	133.2	58.6	2.9726	1.6	1.5890	<input type="checkbox"/>	68.4
11/11/2010	121.6	63.6	2.9726	5.3	1.5890	<input type="checkbox"/>	48.2
11/12/2010	136.7	66.5	2.9726	4.4	1.5890	<input type="checkbox"/>	61.2
11/13/2010	136.0	68.1	2.9726	7.2	1.5890	<input type="checkbox"/>	56.2
11/14/2010	145.1	68.7	2.9726	11.6	1.5890	<input type="checkbox"/>	60.3
11/15/2010	138.6	84.1	2.9726	7.9	1.5890	<input type="checkbox"/>	42.1
11/16/2010	119.2	77.0	2.9726	5.5	1.5890	<input type="checkbox"/>	32.1
11/17/2010	133.2	66.8	2.9726	6.3	1.5890	<input type="checkbox"/>	55.6
11/18/2010	120.7	64.1	2.9726	6.8	1.5890	<input type="checkbox"/>	45.2
11/19/2010	139.9	65.2	2.9726	7.6	1.5890	<input type="checkbox"/>	62.6
11/20/2010	144.2	68.6	2.9726	11.3	1.5890	<input type="checkbox"/>	59.7
11/21/2010	142.1	75.4	2.9726	12.8	1.5890	<input type="checkbox"/>	49.3
11/22/2010	132.5	82.8	2.9726	8.9	1.5890	<input type="checkbox"/>	36.2
11/23/2010	131.5	73.0	2.9726	9.6	1.5890	<input type="checkbox"/>	44.4
11/24/2010	136.4	81.8	2.9726	3.3	1.5890	<input type="checkbox"/>	46.8
11/25/2010	132.5	66.8	2.9726	9.6	1.5890	<input type="checkbox"/>	51.5
11/26/2010	131.2	67.9	2.9726	10.8	1.5890	<input type="checkbox"/>	47.9
11/27/2010	141.7	69.4	2.9726	11.4	1.5890	<input type="checkbox"/>	56.3
11/28/2010	137.7	78.9	2.9726	12.9	1.5890	<input type="checkbox"/>	41.3
11/29/2010	139.7	89.0	2.9726	3.8	1.5890	<input type="checkbox"/>	42.3
11/30/2010	129.0	93.7	2.9726	3.0	1.5890	<input type="checkbox"/>	27.7
Totals:*	3976.6	2086.7	89.2	213.3	47.7		1539.8

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

**Table 1. Daily Recharge Summary in Acre-feet for
Lower Santa Cruz River Managed Recharge Project**

Date Run: 1/21/2011

Tucson Water - Water Resources Management

2010 Recharge

	ESCR	QTRICO	EVAP	RIR	RCET		ER
Date	Effluent Discharge (AF)	TRICO Stream Gage (AF)	Cortaro to TRICO ET (AF)	Roger to Ina Recharge (AF)	Roger to Cortaro ET (AF)	Storm Flow?	Ina to TRICO Recharge (AF)
12/1/2010	143.8	85.8	2.9726	16.5	1.5890	<input type="checkbox"/>	36.9
12/2/2010	137.9	71.0	2.9726	16.1	1.5890	<input type="checkbox"/>	46.3
12/3/2010	141.0	72.4	2.9726	12.3	1.5890	<input type="checkbox"/>	51.8
12/4/2010	138.7	75.8	2.9726	13.5	1.5890	<input type="checkbox"/>	44.9
12/5/2010	145.8	75.4	2.9726	16.2	1.5890	<input type="checkbox"/>	49.7
12/6/2010	146.5	97.8	2.9726	11.6	1.5890	<input type="checkbox"/>	32.5
12/7/2010	120.2	87.4	2.9726	7.5	1.5890	<input type="checkbox"/>	20.7
12/8/2010	145.7	75.1	2.9726	13.1	1.5890	<input type="checkbox"/>	53.0
12/9/2010	135.7	90.2	2.9726	9.6	1.5890	<input type="checkbox"/>	31.3
12/10/2010	144.2	93.2	2.9726	11.0	1.5890	<input type="checkbox"/>	35.4
12/11/2010	146.1	81.6	2.9726	16.2	1.5890	<input type="checkbox"/>	43.7
12/12/2010	153.2	91.3	2.9726	18.1	1.5890	<input type="checkbox"/>	39.2
12/13/2010	151.0	109.4	2.9726	16.6	1.5890	<input type="checkbox"/>	20.5
12/14/2010	129.7	90.0	2.9726	10.7	1.5890	<input type="checkbox"/>	24.3
12/15/2010	150.9	91.4	2.9726	13.5	1.5890	<input type="checkbox"/>	41.3
12/16/2010	142.3	100.4	2.9726	15.1	1.5890	<input type="checkbox"/>	22.2
12/17/2010	154.2	91.3	2.9726	16.4	1.5890	<input type="checkbox"/>	42.0
12/18/2010	147.2	98.9	2.9726	15.0	1.5890	<input type="checkbox"/>	28.7
12/19/2010	153.1	89.8	2.9726	21.7	1.5890	<input type="checkbox"/>	37.0
12/20/2010	153.5	94.9	2.9726	18.4	1.5890	<input type="checkbox"/>	35.7
12/21/2010	132.8	82.5	2.9726	11.7	1.5890	<input type="checkbox"/>	34.1
12/22/2010	152.1	79.1	2.9726	16.9	1.5890	<input type="checkbox"/>	51.5
12/23/2010	152.0	105.5	2.9726	17.1	1.5890	<input type="checkbox"/>	24.8
12/24/2010	155.3	93.4	2.9726	17.1	1.5890	<input type="checkbox"/>	40.3
12/25/2010	135.4	95.8	2.9726	16.1	1.5890	<input type="checkbox"/>	19.0
12/26/2010	138.1	73.6	2.9726	20.3	1.5890	<input type="checkbox"/>	39.6
12/27/2010	147.2	84.6	2.9726	14.7	1.5890	<input type="checkbox"/>	43.3
12/28/2010	140.8	93.4	2.9726	11.2	1.5890	<input type="checkbox"/>	31.6
12/29/2010	152.0	84.4	2.9726	18.9	1.5890	<input type="checkbox"/>	44.2
12/30/2010	150.9	98.6	2.9726	11.2	1.5890	<input type="checkbox"/>	36.5
12/31/2010	151.1	93.2	2.9726	20.8	1.5890	<input type="checkbox"/>	32.5
Totals:*	4488.4	2747.2	92.2	465.1	49.3		1134.5
Annual Totals:	50977.9	41585.2	1013.7	6695.3	527.6		18342.3

*Recharge is calculated on a daily basis. Daily Recharge = ER = ESCR - QTRICO - EVAP - RIR - RCET.

Table 2.

2010 Annual Water Level Data Report for Lower Santa Cruz River Managed Recharge Project (Permit No. 71-591928)

<i>Date Run: 1/31/2011</i>					<i>Page 1 of 3pages</i>		<i>Tucson Water, Water Resources Mgmt</i>		
WellName	T	R	S	Q	Date	Elevation (famsl)	DTW (ft. BLS)	Height of Measure Pt.* Above Land Surface (ft)	ADWR Reg. No.
SC-03	12	12	35	DDD	1/26/2010	2065.9	100.4	0	520134
SC-03	12	12	35	DDD	2/4/2010	2066.4	99.9	0	520134
SC-03	12	12	35	DDD	3/2/2010	2066.9	99.4	0	520134
SC-03	12	12	35	DDD	4/5/2010	2069.5	96.8	0	520134
SC-03	12	12	35	DDD	4/7/2010	2069.2	97.1	0	520134
SC-03	12	12	35	DDD	4/13/2010	2069.1	97.2	0	520134
SC-03	12	12	35	DDD	4/22/2010	2069.2	97.1	0	520134
SC-03	12	12	35	DDD	4/28/2010	2068.8	97.5	0	520134
SC-03	12	12	35	DDD	5/4/2010	2068.2	98.1	0	520134
SC-03	12	12	35	DDD	5/12/2010	2067.9	98.4	0	520134
SC-03	12	12	35	DDD	5/20/2010	2067.2	99.1	0	520134
SC-03	12	12	35	DDD	6/3/2010	2066.9	99.4	0	520134
SC-03	12	12	35	DDD	7/14/2010	2063.7	102.6	0	520134
SC-03	12	12	35	DDD	8/3/2010	2063.4	102.9	0	520134
SC-03	12	12	35	DDD	8/16/2010	2064.5	101.8	0	520134
SC-03	12	12	35	DDD	9/17/2010	2063.4	102.9	0	520134
SC-03	12	12	35	DDD	9/23/2010	2063.1	103.3	0	520134
SC-03	12	12	35	DDD	9/29/2010	2062.7	103.6	0	520134
SC-03	12	12	35	DDD	10/5/2010	2062.9	103.4	0	520134
SC-03	12	12	35	DDD	10/13/2010	2062.9	103.4	0	520134
SC-03	12	12	35	DDD	10/18/2010	2063.0	103.3	0	520134
SC-03	12	12	35	DDD	10/26/2010	2063.3	103.0	0	520134
SC-03	12	12	35	DDD	11/24/2010	2063.4	102.9	0	520134
SC-05	12	12	22	CCB	1/26/2010	1986.2	127.5	0	520132
SC-05	12	12	22	CCB	2/4/2010	1986.4	127.3	0	520132
SC-05	12	12	22	CCB	3/2/2010	1987.3	126.4	0	520132
SC-05	12	12	22	CCB	4/2/2010	1986.7	127.0	0	520132

* Each well has a surveyed measuring point with a measured correction factor to land surface.
LSCMRP Annual Report
Page 15 of 25

WellName	T	R	S	Q	Date	Elevation (famsl)	DTW (ft. BLS)	Height of Measure Pt.* Above Land Surface (ft)	ADWR Reg. No.
SC-05	12	12	22	CCB	5/17/2010	1982.3	131.4	0	520132
SC-05	12	12	22	CCB	6/8/2010	1980.8	132.9	0	520132
SC-05	12	12	22	CCB	7/12/2010	1977.3	136.4	0	520132
SC-05	12	12	22	CCB	8/3/2010	1976.6	137.1	0	520132
SC-05	12	12	22	CCB	8/16/2010	1977.6	136.1	0	520132
SC-05	12	12	22	CCB	9/14/2010	1976.6	137.1	0	520132
SC-05	12	12	22	CCB	10/13/2010	1976.4	137.3	0	520132
SC-05	12	12	22	CCB	11/4/2010	1979.2	134.5	0	520132
SC-07R	12	12	08	CBA	1/26/2010	1920.2	147.3	0	520130
SC-07R	12	12	08	CBA	2/5/2010	1920.8	146.7	0	520130
SC-07R	12	12	08	CBA	3/9/2010	1921.7	145.8	0	520130
SC-07R	12	12	08	CBA	3/30/2010	1923.0	144.4	0	520130
SC-07R	12	12	08	CBA	4/2/2010	1922.6	144.8	0	520130
SC-07R	12	12	08	CBA	5/17/2010	1919.8	147.6	0	520130
SC-07R	12	12	08	CBA	6/8/2010	1918.0	149.4	0	520130
SC-07R	12	12	08	CBA	7/12/2010	1915.9	151.5	0	520130
SC-07R	12	12	08	CBA	8/16/2010	1916.7	150.7	0	520130
SC-07R	12	12	08	CBA	9/14/2010	1916.7	150.7	0	520130
SC-07R	12	12	08	CBA	10/13/2010	1916.8	150.7	0	520130
SC-07R	12	12	08	CBA	11/4/2010	1918.0	149.4	0	520130
SC-10	11	11	33	BCB	3/16/2010	1794.2	183.1	0	520129
SC-10	11	11	33	BCB	5/25/2010	1792.6	184.7	0	520129
SC-10	11	11	33	BCB	8/25/2010	1791.7	185.6	0	520129
SC-10	11	11	33	BCB	10/12/2010	1795.9	181.4	0	520129
TANG-2	12	11	02	ACD	1/14/2010	1807.8	213.0	0	639727
TANG-2	12	11	02	ACD	2/3/2010	1804.8	215.9	0	639727
TANG-2	12	11	02	ACD	3/18/2010	1807.7	213.0	0	639727
TANG-2	12	11	02	ACD	4/16/2010	1806.3	214.4	0	639727
TANG-2	12	11	02	ACD	5/27/2010	1806.5	214.2	0	639727
TANG-2	12	11	02	ACD	6/16/2010	1807.0	213.7	0	639727
TANG-2	12	11	02	ACD	7/29/2010	1806.0	214.7	0	639727
TANG-2	12	11	02	ACD	8/30/2010	1806.4	214.3	0	639727
TANG-2	12	11	02	ACD	9/13/2010	1806.6	214.1	0	639727

* Each well has a surveyed measuring point with a measured correction factor to land surface.
Page 16 of 25

WellName	T	R	S	Q	Date	Elevation (famsl)	DTW (ft. BLS)	Height of Measure Pt.* Above Land Surface (ft)	ADWR Reg. No.
TANG-2	12	11	02	ACD	11/16/2010	1809.3	211.4	0	639727
WR-020A	11	10	15	AAA	3/16/2010	1746.3	156.4	2.7	620339
WR-020A	11	10	15	AAA	6/23/2010	1742.8	159.9	2.7	620339
WR-020A	11	10	15	AAA	9/2/2010	1744.7	158.0	2.7	620339
WR-020A	11	10	15	AAA	12/21/2010	1747.8	154.9	2.7	620339

* Each well has a surveyed measuring point with a measured correction factor to land surface.

**Table 3. Lower Santa Cruz River Managed Recharge Project
2010 Effluent Recharge Credit Distribution**

Entity	Delivery Volume (AF)	Evaporation Volume (AF)	Contribution to Downstream Diversions (AF)	Cut to the Aquifer (AF)	Recharge Credits (AF)
Tucson Water	5492.9	287.7	362.4	2421.4	2421.4
Oro Valley	39.3	2.1	2.6	17.3	17.3
MDWID	1034.9	54.2	68.3	456.2	456.2
FWID	262.0	13.7	17.3	115.5	115.5
Spanish Trail	20.2	1.1	1.3	8.9	8.9
Pima County	888.1	46.5	58.6	391.5	391.5
Secretary of the Interior	11618.8	608.5	766.3	5122.0	5122.0
Total	19356.2	1013.8	1276.8	8532.8	8532.8

Notes

1: The values in this table are rounded to the nearest tenth of an acre-foot for reporting purposes. Raw data collected for calculating daily recharge and evaporation is often reported to the nearest hundredth. Minor differences between raw data and reported data can occur due to rounding.

2: Delivery Volumes calculated to achieve both IGA recharge and an even proportioning of ET and DD contributions IGAs between storers define an uneven distribution of ET and DD (Secretary of the Interior is not assigned either). ADWR processing assigns ET and DD evenly among storers, so delivery volumes are adjusted accordingly to meet the needs of both IGA accounting and ADWR reporting.

Figure 1: Location Map for Lower Santa Cruz River Managed Recharge Project

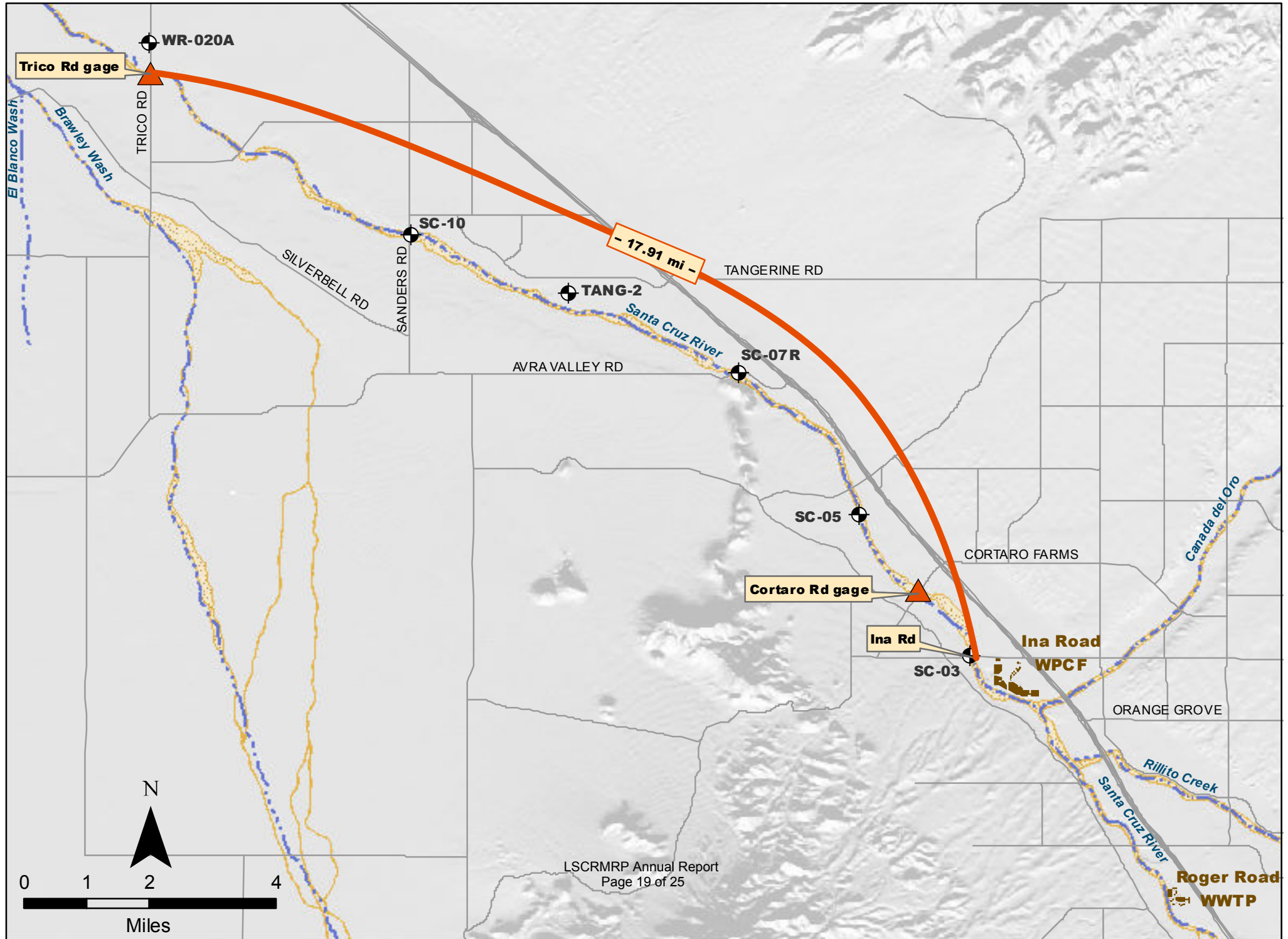


Figure 2. SC-03 (55-520134)

T12S, R12E, Section 35, DDD

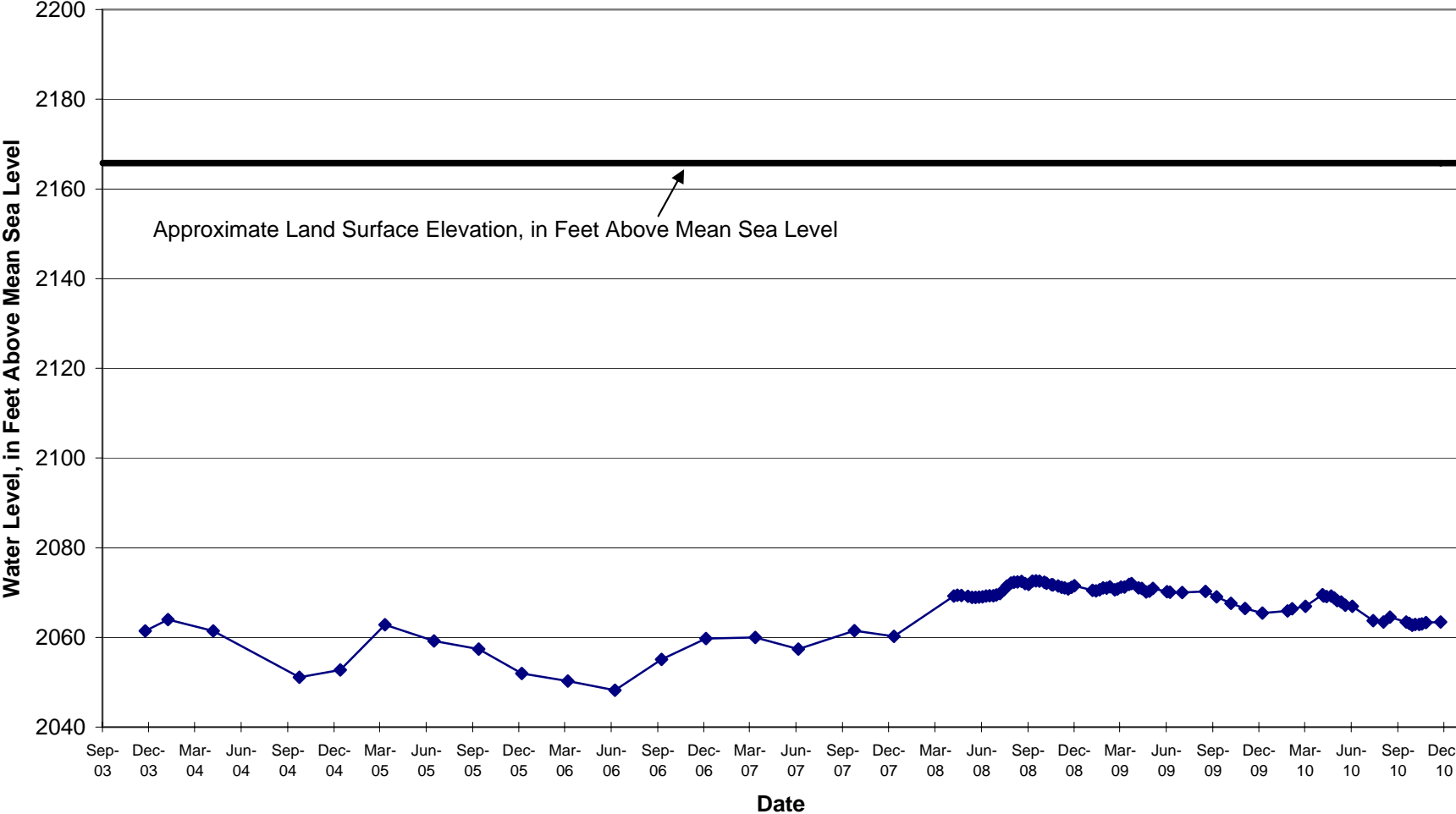


Figure 3. SC-05 (55-520132)

T12S, R12E, Section 22, CCB

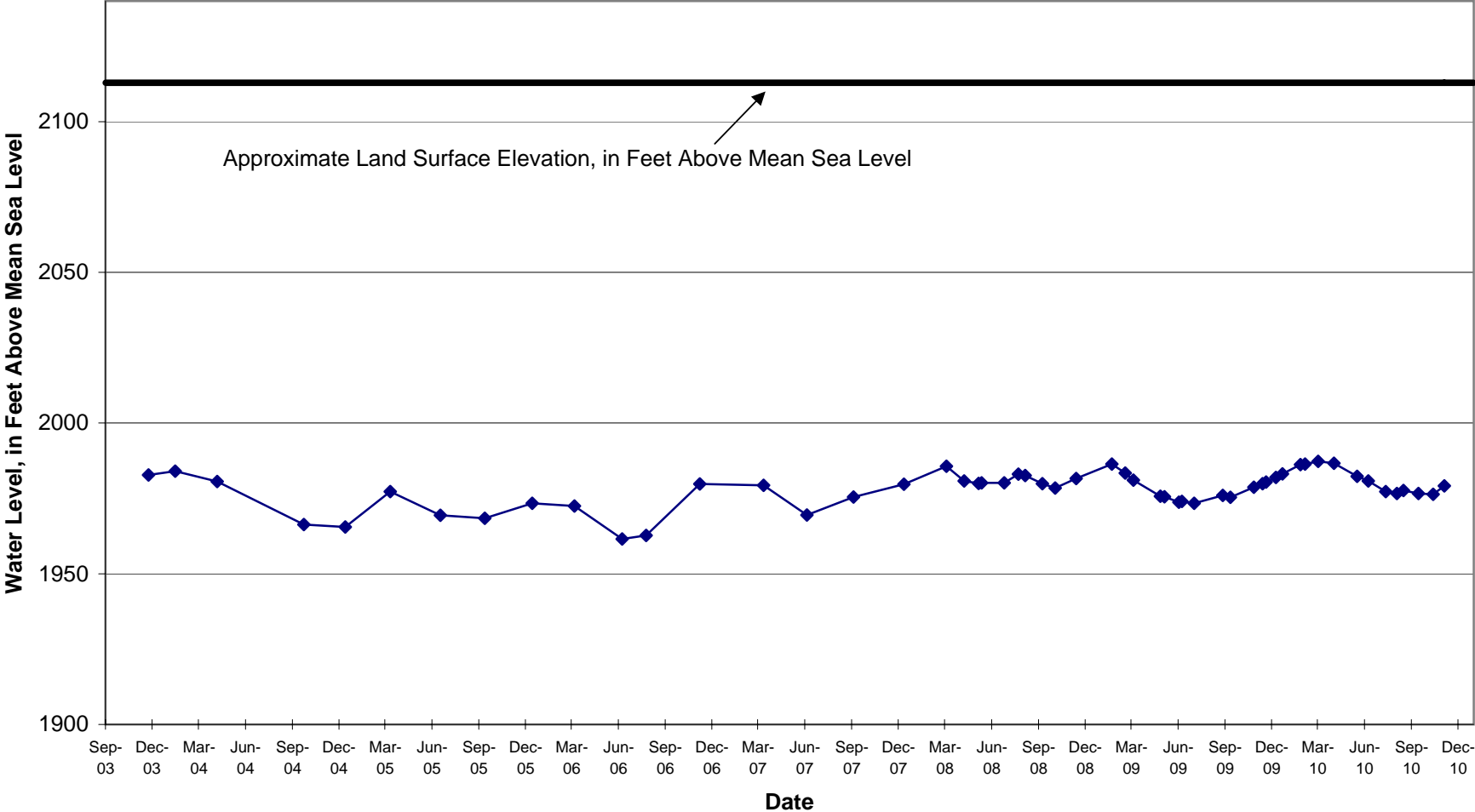


Figure 4. SC-07R (55-520130)

T12S, R12E, Section 8, CBA

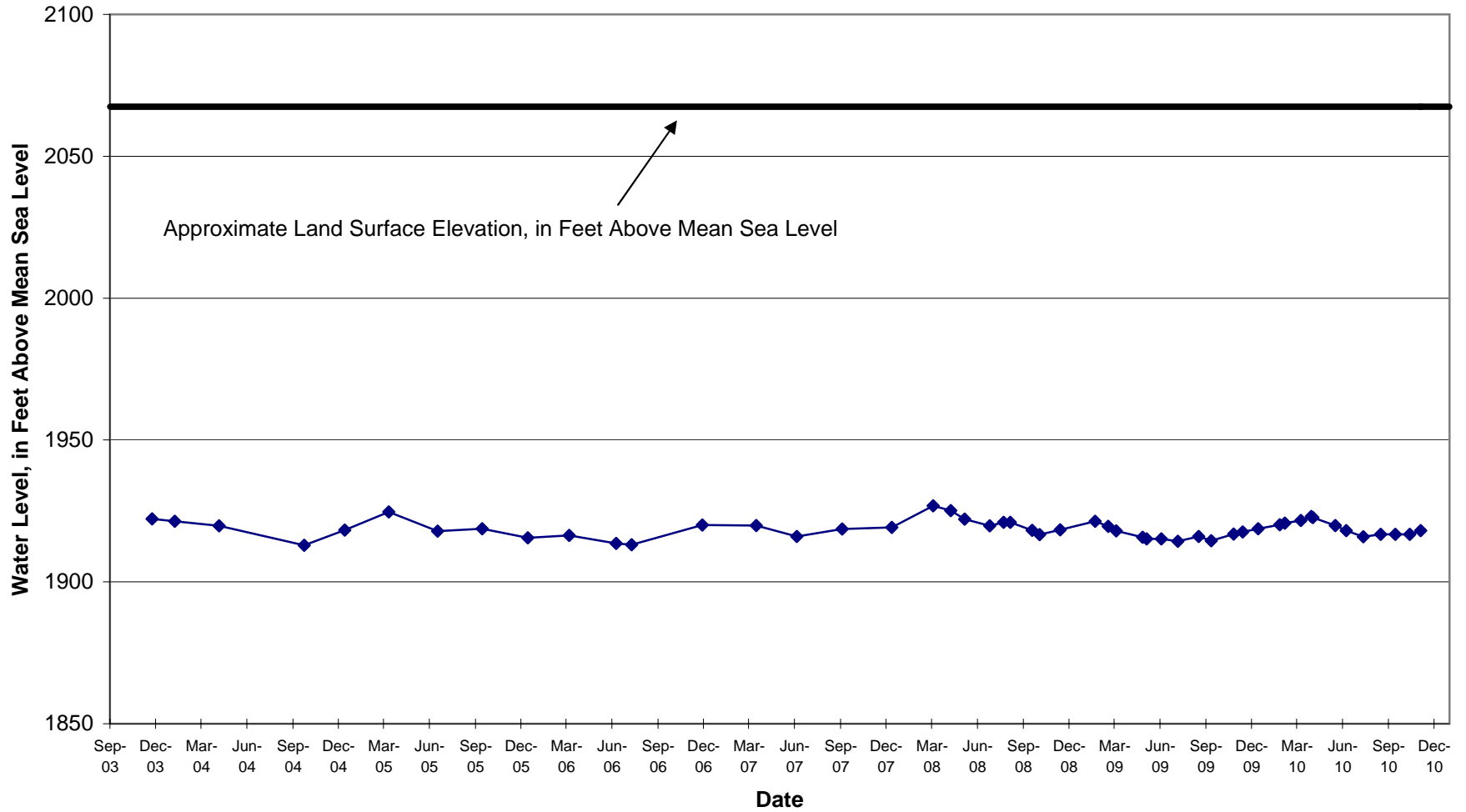


Figure 5. TANG-2 (55-639727)
 T12S, R11E, Section 2, ACD

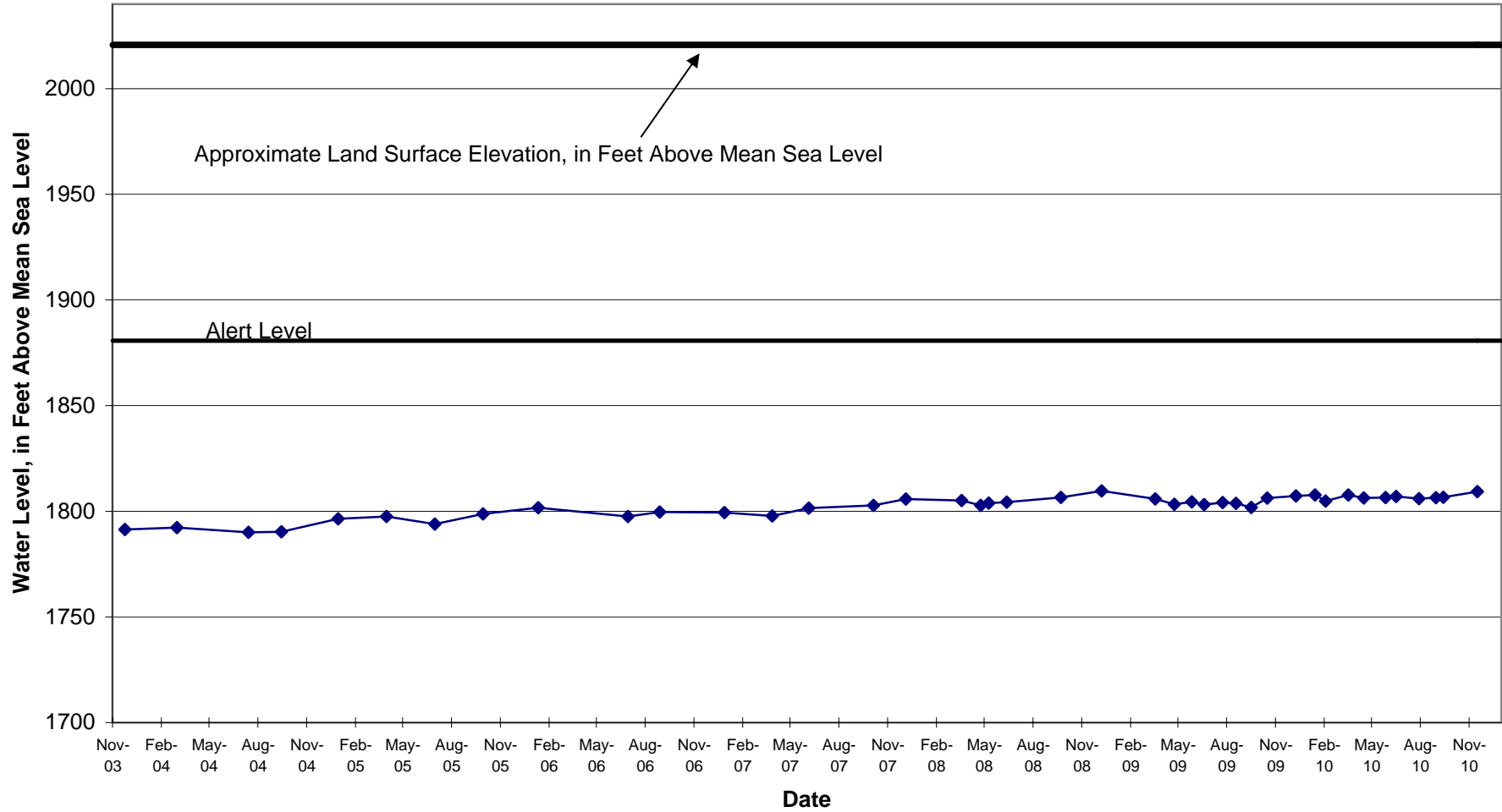


Figure 6. SC-10 (55-520129)

T11S, R11E, Section 33, BCB

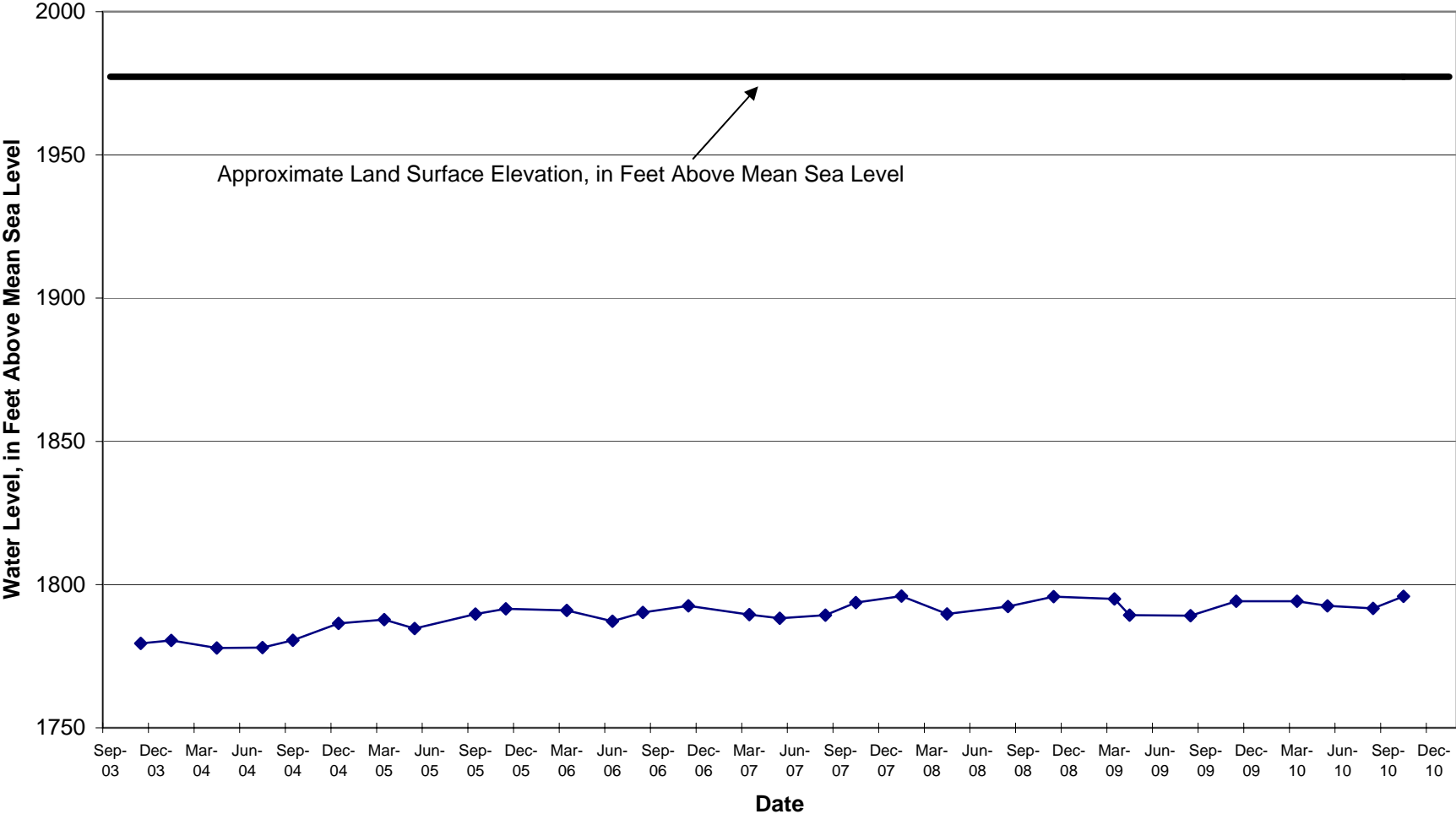


Figure 7. WR-020A (55-6203397)
 T11S, R10E, Section 15, AAA

