



City of Santa Fe, New Mexico

200 Lincoln Avenue, P.O. Box 909, Santa Fe, N.M. 87504-0909

Javier M. Gonzales, Mayor

Councilors:

Patti J. Bushee, Dist. 1

Signe I. Lindell, Dist. 1

Peter N. Ives, Dist. 2

Joseph M. Maestas, Dist. 2

Carmichael A. Dominguez, Dist. 3

Christopher M. Rivera, Dist. 3

Ronald S. Trujillo, Dist. 4

Bill Dimas, Dist. 4

Mrs. Mary Young

OFFICE OF THE STATE ENGINEER

P.O. BOX 25102

SANTA FE, N.M. 87504-5102

Re: Diversion Report for August 2015

Dear Mrs. Young:

Submitted for your information is the following water supply data for the Santa Fe water system. All information is reported in millions of gallons and meter readings are for the end of the month.

CITY WELLS

Permit #		M.G.	Ac.Ft.	Meter
RG-1113	Alto	3.221	9.88	73597
RG-1115	Torreon	0.747	2.29	132859
RG-1116	Ferguson	3.006	9.23	72902
RG-1117	Santa Fe	0.000	0.00	66130
RG-1118	Agua Fria	0.000	0.00	34618
RG-68302	Northwest	9.863	30.27	336945
RG-81092	Santa Fe Remediation			76616
	TOTAL CITY WELLS	16.837	51.67	

SURFACE SUPPLY

01278/1677	Treatment Plant	161.103	494.41	82472
RG-304	St. Michaels	9.026	27.70	129819
	TOTAL SURFACE	170.129	522.11	

BUCKMAN WELLS

RG-20516-S	Buckman #3	5.459	16.75	113724
RG-20516-S-2	Buckman #4	0.018	0.06	147749
RG-20516-S-3	Buckman #5	4.663	14.31	14263
RG-20516-S-4	Buckman #6	0.000	0.00	35487
RG-20516-S-5	Buckman #1	0.002	0.01	262250
RG-20516-S-6	Buckman #2	0.000	0.00	1499
RG-20516-S-7	Buckman #7	10.455	32.09	86113
RG-20516-S-8	Buckman #8	0.003	0.01	94559
RG-20516-S-9	Buckman #9	0.000	0.00	25582
RG-20516-S-10	Buckman #10	0.002	0.01	62352
RG-20516-S-11	Buckman #11	0.000	0.00	109155
RG-20516-S-12	Buckman #12	0.001	0.00	75183
RG-20516-S-13	Buckman #13	0.000	0.00	82371
	TOTAL BUCKMAN WELLS	20.603	63.23	

OTHER WELLS

RG-304-S	Osage	0.0000	0.0000	11294
RG-5631	Waste Water Well			
RG-66978	Marty Sanchez Links	0.0771	0.2366	7948
RG-66978-S	MRC Well South	0.0222	0.0681	3214
	TOTAL OTHER WELLS	0.0993	0.3047	

All of the following data is for the end of the month.

WELL DEPTHS

Permit #	Permit	Depth Feet
N/A		
RG-20516-S-9	Buckman #9	171.25 Feet
RG-20516-S-10	Buckman #10	336.10 Feet
RG-20516-S-11	Buckman #11	396.40 Feet
RG-20516-S-12	Buckman #12	399.85 Feet
RG-20516-S-13	Buckman #13	315.29 Feet
RG-21318	Skillet	196.00 Feet
RG-68302	Northwest	425.05 Feet

CANYON INFORMATION

	MG Current	MG Last Year	Ac.Ft Current	Ac.Ft Last Year
McClure (1061 MG/3257 Ac.Ft. Capacity)	0	55	0.0	168.8
Nichols (223 MG/684 Ac.Ft. Capacity)	85	131	260.9	402.0
Total (1284 MG/3941 Ac.Ft. Capacity)	85	186	260.9	570.8
Acequia Ditch Release	10.640	3.224	32.65	9.89
Average Daily Flow into McClure	4.420	2.926	13.57	8.98

Sincerely,

Nick A Schiavo
Director, Sangre De Cristo Water

cc: Mike Johnson, OSE
Doug Rappuhn, OSE
Annie Apodaca, USFS
Flora Martinez, SDCW Div.
Marcos Martinez, COSF

SANGRE DE CRISTO WATER
MONTHLY WATER REPORT IN ACRE FEET

August 2015

	Current month	Previous month	This Month Last Year	Current y-t-d	Previous y-t-d
Surface Production					
Treatment Plant	494.41	471.14	201.12	2897.90	2083.86
St. Michaels	27.70	11.36	32.14	121.11	68.86
TOTAL	522.11	482.50	233.25	3019.01	2152.72
CITY WELL PRODUCTION					
Agua Fria	0.00	0.00	34.09	0.35	34.45
Alto	9.88	6.36	0.00	21.02	27.62
Ferguson	9.23	3.44	0.00	16.50	23.93
Santa Fe	0.00	0.00	0.00	0.00	0.00
Torreon	2.29	4.03	30.46	28.48	77.29
Northwest	30.27	44.45	42.67	160.82	272.30
TOTAL	51.67	58.28	107.22	227.17	435.59
Osage	0.00	0.00	0.00	0.00	0.00
BUCKMAN WELL PRODUCTION					
Buckman #1	0.01	0.00	0.00	120.93	17.11
Buckman #2	0.00	0.00	0.00	0.00	0.00
Buckman #3	16.75	7.77	19.08	49.24	66.11
Buckman #4	0.06	0.00	0.00	11.98	27.13
Buckman #5	14.31	0.00	8.64	14.31	29.46
Buckman #6	0.00	0.10	61.12	108.82	83.20
Buckman #7	32.09	0.00	53.66	32.89	53.67
Buckman #8	0.01	0.00	0.00	14.42	0.03
Buckman #9	0.00	7.74	24.83	7.74	70.81
Buckman #10	0.01	0.00	0.00	0.01	0.00
Buckman #11	0.00	9.96	0.00	21.50	29.67
Buckman #12	0.00	9.78	5.77	29.26	40.50
Buckman #13	0.00	16.28	4.88	32.87	25.89
TOTAL	63.23	51.63	177.97	443.97	443.58

CANYON INFORMATION - Reservoir information as recorded last Day in the month

RESERVOIR	Current Month	Previous Month	This Month Last Year
MCCLURE (1061 MG Capacity)	0.00	0.00	168.79
NICHOLS (223 MG Capacity)	260.86	368.27	402.02
TOTAL STORAGE	260.86	368.27	570.81

ACEQUIA DITCH RELEASE	32.65	32.66	9.89
AVERAGE DAILY FLOW INTO MCCLURE	13.57	12.80	8.98

Signed _____, Sangre De Cristo Water - Operations Manager

Signed _____, Sangre De Cristo Water - Director

SANGRE DE CRISTO WATER
MONTHLY WATER REPORT IN MILLIONS OF GALLONS

August 2015

	Current month	Previous month	This Month Last Year	Current y-t-d	Previous y-t-d
Surface Production					
Treatment Plant	161.103	153.522	65.534	944.285	679.028
St. Michaels	9.026	3.702	10.472	39.463	22.438
TOTAL	170.129	157.224	76.006	983.748	701.466
CITY WELL PRODUCTION					
Agua Fria	0.000	0.000	11.108	0.113	11.226
Alto	3.221	2.074	0.001	6.848	9.000
Ferguson	3.006	1.120	0.000	5.378	7.799
Santa Fe	0.000	0.000	0.000	0.000	0.000
Torreon	0.747	1.313	9.924	9.279	25.186
Northwest	9.863	14.483	13.905	52.405	88.728
TOTAL	16.837	18.990	34.938	74.024	141.939
Osage	0.000	0.000	0.000	0.001	0.000
BUCKMAN WELL PRODUCTION					
Buckman #1	0.002	0.000	0.000	39.405	5.575
Buckman #2	0.000	0.000	0.000	0.000	0.000
Buckman #3	5.459	2.531	6.216	16.046	21.541
Buckman #4	0.018	0.000	0.000	3.903	8.840
Buckman #5	4.663	0.000	2.815	4.663	9.601
Buckman #6	0.000	0.031	19.917	35.459	27.111
Buckman #7	10.455	0.000	17.485	10.717	17.488
Buckman #8	0.003	0.000	0.000	4.700	0.011
Buckman #9	0.000	2.521	8.092	2.521	23.072
Buckman #10	0.002	0.000	0.000	0.002	0.000
Buckman #11	0.000	3.247	0.000	7.006	9.668
Buckman #12	0.001	3.187	1.879	9.536	13.197
Buckman #13	0.000	5.306	1.589	10.710	8.437
TOTAL	20.603	16.823	57.993	144.668	144.541

CANYON INFORMATION - Reservoir information as recorded last Day in the month

RESERVOIR	Current Month	Previous Month	This Month Last Year
MCCLURE (1061 MG Capacity)	0	0	55
NICHOLS (223 MG Capacity)	85	120	131
TOTAL STORAGE	85	120	186
ACEQUIA DITCH RELEASE	10.640	10.642	3.224
AVERAGE DAILY FLOW INTO MCCLURE	4.420	4.171	2.926

Signed _____, Sangre De Cristo Water - Operations Manager

Signed _____, Sangre De Cristo Water - Director

Northwest

Report Date: 08/01/2015

Date	NW Mtr Flow Mgd Formula	NW Mtr HoursRan HRS/DAY Formula	NW Mtr Flow Gpm Formula	NW Mtr Hour Meter Daily	NW Mtr Flow Meter Daily	NW Mtr Well Depth
08/01	0.000	0.0		27	327082	
08/02	0.000	0.0		27	327082	
08/03	0.000	0.0		27	327082	
08/04	0.000	0.0		27	327082	
08/05	1.312	22.0	994	49	328394	
08/06	1.410	24.0	979	73	329804	
08/07	1.404	24.0	975	97	331208	
08/08	1.376	24.0	956	121	332584	
08/09	1.373	24.0	953	145	333957	
08/10	1.365	24.0	948	169	335322	
08/11	1.357	24.0	942	193	336679	
08/12	0.266	5.0	887	198	336945	
08/13	0.000	0.0		198	336945	
08/14	0.000	0.0		198	336945	
08/15	0.000	0.0		198	336945	
08/16	0.000	0.0		198	336945	
08/17	0.000	0.0		198	336945	
08/18	0.000	0.0		198	336945	
08/19	0.000	0.0		198	336945	
08/20	0.000	0.0		198	336945	
08/21	0.000	0.0		198	336945	
08/22	0.000	0.0		198	336945	
08/23	0.000	0.0		198	336945	
08/24	0.000	0.0		198	336945	
08/25	0.000	0.0		198	336945	
08/26	0.000	0.0		198	336945	
08/27	0.000	0.0		198	336945	
08/28	0.000	0.0		198	336945	
08/29	0.000	0.0		198	336945	
08/30	0.000	0.0		198	336945	
08/31	0.000	0.0		198	336945	425.05
Total	9.863	171.0				

Well 9

Report Date: 08/01/2015

Date	BW9 Mtr Flow Mgd	BW9 Mtr HRS/DAY	BW9 Mtr Flow Gpm	BW9 Mtr Hour Readings	BW9 Mtr Meter	BW9 Mtr Well Depth
08/01	0.000	0.0		800	25582	
08/02	0.000	0.0		800	25582	
08/03	0.000	0.0		800	25582	
08/04	0.000	0.0		800	25582	
08/05	0.000	0.0		800	25582	
08/06	0.000	0.0		800	25582	
08/07	0.000	0.0		800	25582	
08/08	0.000	0.0		800	25582	
08/09	0.000	0.0		800	25582	
08/10	0.000	0.0		800	25582	
08/11	0.000	0.0		800	25582	
08/12	0.000	0.0		800	25582	
08/13	0.000	0.0		800	25582	
08/14	0.000	0.0		800	25582	
08/15	0.000	0.0		800	25582	
08/16	0.000	0.0		800	25582	
08/17	0.000	0.0		800	25582	
08/18	0.000	0.0		800	25582	
08/19	0.000	0.0		800	25582	
08/20	0.000	0.0		800	25582	
08/21	0.000	0.0		800	25582	
08/22	0.000	0.0		800	25582	
08/23	0.000	0.0		800	25582	
08/24	0.000	0.0		800	25582	
08/25	0.000	0.0		800	25582	
08/26	0.000	0.0		800	25582	
08/27	0.000	0.0		800	25582	
08/28	0.000	0.0		800	25582	
08/29	0.000	0.0		800	25582	
08/30	0.000	0.0		800	25582	
08/31	0.000	0.0		800	25582	171.25
Total	0.000	0.0				

Well 10

Report Date: 08/01/2015

Date	BW10 Mtr Flow Mgd	BW10 Mtr HRS/DAY	BW10 Mtr Flow Gpm	BW10 Mtr Hour Readings	BW10 Mtr Meter	BW10 Mtr Well Depth
08/01	0.000	0.0		2501	62350	
08/02	0.000	0.0		2501	62350	
08/03	0.000	0.0		2501	62350	
08/04	0.000	0.0		2501	62350	
08/05	0.000	0.0		2501	62350	
08/06	0.000	0.0		2501	62350	
08/07	0.000	0.0		2501	62350	
08/08	0.000	0.0		2501	62350	
08/09	0.000	0.0		2501	62350	
08/10	0.000	0.0		2501	62350	
08/11	0.000	0.0		2501	62350	
08/12	0.000	0.0		2501	62350	
08/13	0.000	0.0		2501	62350	
08/14	0.000	0.0		2501	62350	
08/15	0.000	0.0		2501	62350	
08/16	0.000	0.0		2501	62350	
08/17	0.000	0.0		2501	62350	
08/18	0.000	0.0		2501	62350	
08/19	0.000	0.0		2501	62350	
08/20	0.000	0.0		2501	62350	
08/21	0.000	0.0		2501	62350	
08/22	0.000	0.0		2501	62350	
08/23	0.000	0.0		2501	62350	
08/24	0.000	0.0		2501	62350	
08/25	0.000	0.0		2501	62350	
08/26	0.000	0.0		2501	62350	
08/27	0.000	0.0		2501	62350	
08/28	0.002	0.0		2501	62352	
08/29	0.000	0.0		2501	62352	
08/30	0.000	0.0		2501	62352	
08/31	0.000	0.0		2501	62352	336.10
Total	0.002	0.0				

Well 11

Report Date: 08/01/2015

Date	BW11 Mtr Flow Mgd	BW11 Mtr HRS/DAY	BW11 Mtr Flow Gpm	BW11 Mtr Hour Readings	BW11 Mtr Meter	BW11 Mtr Well Depth
08/01	0.000	0.0		7920	109155	
08/02	0.000	0.0		7920	109155	
08/03	0.000	0.0		7920	109155	
08/04	0.000	0.0		7920	109155	
08/05	0.000	0.0		7920	109155	
08/06	0.000	0.0		7920	109155	
08/07	0.000	0.0		7920	109155	
08/08	0.000	0.0		7920	109155	
08/09	0.000	0.0		7920	109155	
08/10	0.000	0.0		7920	109155	
08/11	0.000	0.0		7920	109155	
08/12	0.000	0.0		7920	109155	
08/13	0.000	0.0		7920	109155	
08/14	0.000	0.0		7920	109155	
08/15	0.000	0.0		7920	109155	
08/16	0.000	0.0		7920	109155	
08/17	0.000	0.0		7920	109155	
08/18	0.000	0.0		7920	109155	
08/19	0.000	0.0		7920	109155	
08/20	0.000	0.0		7920	109155	
08/21	0.000	0.0		7920	109155	
08/22	0.000	0.0		7920	109155	
08/23	0.000	0.0		7920	109155	
08/24	0.000	0.0		7920	109155	
08/25	0.000	0.0		7920	109155	
08/26	0.000	0.0		7920	109155	
08/27	0.000	0.0		7920	109155	
08/28	0.000	0.0		7920	109155	
08/29	0.000	0.0		7920	109155	
08/30	0.000	0.0		7920	109155	
08/31	0.000	0.0		7920	109155	396.40
Total	0.000	0.0				

Well 12

Report Date: 08/01/2015

Date	BW12 Mtr Flow Mgd	BW12 Mtr HRS/DAY	BW12 Mtr Flow Gpm	BW12 Mtr Hour Readings	BW12 Mtr Meter	BW12 Mtr Well Depth
08/01	0.000	0.0		7569	75182	
08/02	0.000	0.0		7569	75182	
08/03	0.000	0.0		7569	75182	
08/04	0.001	0.0		7569	75183	
08/05	0.000	0.0		7569	75183	
08/06	0.000	0.0		7569	75183	
08/07	0.000	0.0		7569	75183	
08/08	0.000	0.0		7569	75183	
08/09	0.000	0.0		7569	75183	
08/10	0.000	0.0		7569	75183	
08/11	0.000	0.0		7569	75183	
08/12	0.000	0.0		7569	75183	
08/13	0.000	0.0		7569	75183	
08/14	0.000	0.0		7569	75183	
08/15	0.000	0.0		7569	75183	
08/16	0.000	0.0		7569	75183	
08/17	0.000	0.0		7569	75183	
08/18	0.000	0.0		7569	75183	
08/19	0.000	0.0		7569	75183	
08/20	0.000	0.0		7569	75183	
08/21	0.000	0.0		7569	75183	
08/22	0.000	0.0		7569	75183	
08/23	0.000	0.0		7569	75183	
08/24	0.000	0.0		7569	75183	
08/25	0.000	0.0		7569	75183	
08/26	0.000	0.0		7569	75183	
08/27	0.000	0.0		7569	75183	
08/28	0.000	0.0		7569	75183	
08/29	0.000	0.0		7569	75183	
08/30	0.000	0.0		7569	75183	
08/31	0.000	0.0		7569	75183	399.85
Total	0.001	0.0				

Well 13

Report Date: 08/01/2015

Date	BW13 Mtr Flow Mgd	BW13 Mtr HRS/DAY	BW13 Mtr Flow Gpm	BW13 Mtr Hour Readings	BW13 Mtr Meter	BW13 Mtr Well Depth
08/01	0.000	0.0		3896	82371	
08/02	0.000	0.0		3896	82371	
08/03	0.000	0.0		3896	82371	
08/04	0.000	0.0		3896	82371	
08/05	0.000	0.0		3896	82371	
08/06	0.000	0.0		3896	82371	
08/07	0.000	0.0		3896	82371	
08/08	0.000	0.0		3896	82371	
08/09	0.000	0.0		3896	82371	
08/10	0.000	0.0		3896	82371	
08/11	0.000	0.0		3896	82371	
08/12	0.000	0.0		3896	82371	
08/13	0.000	0.0		3896	82371	
08/14	0.000	0.0		3896	82371	
08/15	0.000	0.0		3896	82371	
08/16	0.000	0.0		3896	82371	
08/17	0.000	0.0		3896	82371	
08/18	0.000	0.0		3896	82371	
08/19	0.000	0.0		3896	82371	
08/20	0.000	0.0		3896	82371	
08/21	0.000	0.0		3896	82371	
08/22	0.000	0.0		3896	82371	
08/23	0.000	0.0		3896	82371	
08/24	0.000	0.0		3896	82371	
08/25	0.000	0.0		3896	82371	
08/26	0.000	0.0		3896	82371	
08/27	0.000	0.0		3896	82371	
08/28	0.000	0.0		3896	82371	
08/29	0.000	0.0		3896	82371	
08/30	0.000	0.0		3896	82371	
08/31	0.000	0.0		3896	82371	315.29
Total	0.000	0.0				

SANGRE DE CRISTO WATER

Monthly Well Report

August 2015

	Alto	Torreon	Ferguson	Santa Fe	Agua Fria	Northwest	Osage
Depth	224.08	130.16	240.86	306.23	169.75	425.05	117.30
Status	OFF	OFF	OFF	OFF	OFF	OFF	OFF

	St. Mikes	Well 1	Well 2	Well 3	Well 4	Well 5	Well 6
Depth	260.37	193.20	79.40	127.13	73.25	150.00	135.50
Status	OFF	OFF	OFF	OFF	OFF	OFF	OFF

	Well 7	Well 8	Well 9	Well 10	Well 11	Well 12	Well 13
Depth	162.44	70.22	171.25	336.10	396.40	399.85	315.29
Status	OFF	OFF	OFF	OFF	OFF	OFF	OFF

	Skillet	Permit	Hickox 1	Hickox 2	Weil
Depth	196.00		227.20	200.20	

BDD Production Summary

August 2015

Date	Booster 4A MGD	Booster 5A MGD	Total BDD MGD	Total BDD Ac.Ft.	BOOSTER 4A						BOOSTER 5A					
					Cl2 Free mg/L	pH	FI mg/L	Zinc mg/L	Cl2 Free mg/L	pH	FI mg/L	Zinc mg/L				
01-Aug	1.943	1.646	3.588	11.010	1.19	7.6	0.67	0.5	1.16	7.7	0.28	0.5				
02-Aug	1.765	1.633	3.399	10.428	1.19	7.5	1.15	0.5	1.15	7.7	0.52	0.5				
03-Aug	0.074	1.672	1.746	5.359	0.97	7.7	0.95	0.5	1.16	7.6	0.85	0.5				
04-Aug	0.000	0.904	0.904	2.773	0.97	7.7	0.92	0.5	0.94	7.6	0.46	0.5				
05-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.94	0.5	0.94	7.6	0.46	0.5				
06-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.94	0.5	0.94	7.6	0.46	0.5				
07-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.92	0.5	0.94	7.6	0.45	0.5				
08-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.92	0.5	0.94	7.6	0.48	0.5				
09-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.94	0.5	0.94	7.6	0.71	0.5				
10-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.95	0.5	0.94	7.6	0.28	0.5				
11-Aug	0.000	0.000	0.000	0.000	0.97	7.7	0.92	0.5	0.93	7.2	0.42	0.5				
12-Aug	0.645	2.079	2.723	8.357	1.17	8.0	0.37	0.5	0.89	8.0	0.37	0.5				
13-Aug	1.604	2.430	4.034	12.377	1.32	7.9	0.33	0.5	1.34	7.8	0.36	0.5				
14-Aug	4.256	2.178	6.434	19.744	1.32	8.0	0.31	0.5	1.34	7.9	0.49	0.5				
15-Aug	4.695	2.056	6.751	20.715	1.21	7.9	0.32	0.5	1.23	7.9	0.32	0.5				
16-Aug	3.196	1.951	5.147	15.794	1.24	7.8	0.31	0.5	1.22	7.8	0.40	0.5				
17-Aug	2.092	1.909	4.001	12.276	1.08	7.9	0.50	0.5	1.08	7.8	0.32	0.5				
18-Aug	2.935	1.972	4.907	15.056	1.37	7.8	0.95	0.5	1.33	7.8	0.24	0.5				
19-Aug	3.376	2.000	5.376	16.496	1.04	7.9	0.99	0.5	1.06	7.9	0.27	0.5				
20-Aug	4.824	1.976	6.800	20.865	1.17	7.9	0.74	0.5	1.15	7.9	0.88	0.5				
21-Aug	4.924	2.181	7.105	21.803	1.21	7.8	0.71	0.5	1.19	7.7	0.98	0.5				
22-Aug	4.924	2.169	7.093	21.765	1.27	7.8	0.75	0.5	1.25	7.7	0.92	0.5				
23-Aug	4.087	2.241	6.328	19.417	1.21	7.8	0.82	0.5	1.19	7.8	0.85	0.5				
24-Aug	4.260	2.270	6.530	20.038	1.20	7.8	0.71	0.5	1.20	7.8	0.88	0.5				
25-Aug	4.924	2.147	7.071	21.698	1.23	7.8	0.71	0.5	1.17	7.8	0.94	0.5				
26-Aug	4.924	2.186	7.110	21.818	1.10	7.5	0.68	0.5	1.12	7.4	0.92	0.5				
27-Aug	4.465	1.997	6.461	19.827	1.15	7.5	0.76	0.5	1.15	7.5	1.22	0.5				
28-Aug	3.824	1.854	5.678	17.423	1.12	7.8	0.69	0.5	1.26	7.8	0.88	0.5				
29-Aug	5.086	1.998	7.084	21.738	1.23	7.9	0.68	0.5	1.16	8.0	0.48	0.5				
30-Aug	5.427	1.645	7.072	21.700	1.18	7.7	0.68	0.5	1.18	7.8	0.49	0.5				
31-Aug	5.428	1.555	6.983	21.426	1.20	7.6	0.66	0.5	1.05	7.6	0.91	0.5				
TOTAL	83.675	46.650	130.325	399.902												