

NGL Water Solutions DJ LLC  
 NGL-C5B: Maximum Injection Volume Calculation  
 9/7/2018

**NO!  
 GAMMA RAY  
 CURVE,  
 IT IS PRESENT  
 ON STRIPLOG.**

Sum of 1/2 ft intervals

**Max Volume = 28,235,455 bbl**

$\pi = \text{PI} = 3.14$  dimensionless

$R = 1/4\text{-Mile} = 1320 \text{ ft}$

Interval thickness from log = 0.5 ft

Porosity from log - 1.0 = 100 %

5.6146 = conversion factor from cubic feet to barrels

Used Limestone Thermal Porosity for other Formations

Used Sandstone Thermal Porosity for Lyons

DEPT .F :DEPTH (BOREHOLE) {F10.1}  
 CALI .IN :Caliper {F13.4}  
 DCAL .IN :Differential Caliper {F13.4}  
 DPHI .% :Density Porosity {F13.4}  
 TNPH .% :Thermal Neutron Porosity {F13.4}  
 TNPH\_DOL.% :Thermal Neutron Porosity (matrix Dolomite) {F13.4}  
 TNPH\_LIM.% :Thermal Neutron Porosity (matrix Limestone) {F13.4}  
 TNPH\_SAN.% :Thermal Neutron Porosity (matrix Sandstone) {F13.4}

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1/2 ft intervals

#	DEPT	CALI	DCAL	DPHI	TNPH	TNPH_DOL	TNPH_LIM	TNPH_SAN	Volume		
#									(π x Radius <sup>2</sup> x 0.5 x (Porosity/100))/5.6146		
~Ascii Curve											
9374	6.2864	-2.4636	37.9286	6.4131	2.446	4.0614	6.4131	31,262		Lyons	
9374.5	6.2847	-2.4653	38.5234	7.1631	3.108	4.6511	7.1631	34,918			
9375	6.2829	-2.4671	38.4478	8.3941	4.1806	5.6158	8.3941	40,919			
9375.5	6.2864	-2.4636	38.5518	9.4904	5.1227	6.4768	9.4904	46,263			
9376	6.2894	-2.4606	39.3004	9.7942	5.3817	6.7164	9.7942	47,744			
9376.5	6.2985	-2.4515	40.9858	9.5384	5.1647	6.5147	9.5384	46,497			
9377	6.2918	-2.4582	40.493	9.7155	5.3149	6.6543	9.7155	47,360			
9398	8.713	2.588	0.9679	4.9683	1.3252	2.9275	4.9683	24,219			
9398.5	8.7175	2.5925	1.6633	4.4313	0.8397	2.4983	4.4313	21,601			
9399	8.7273	2.6023	0.4865	4.155	0.5886	2.276	4.155	20,254			
9399.5	8.7115	2.5865	0.4618	3.8656	0.3234	2.0418	3.8656	18,844			
9400	8.7203	2.5953	-0.6219	3.6823	0.1555	1.8929	3.6823	17,950			
9400.5	8.7308	2.6058	-0.7714	3.6942	0.167	1.9026	3.6942	18,008			
9401	8.7368	2.6118	-1.2093	3.9291	0.3826	2.0934	3.9291	19,153			
9401.5	8.7256	2.6006	-0.2781	4.2104	0.6389	2.3206	4.2104	20,524			
9402	8.7273	2.6023	0.9958	4.6105	1.0026	2.642	4.6105	22,475			
9402.5	8.7326	2.6076	2.1072	4.8141	1.1869	2.8047	4.8141	23,467			

9403	8.7133	2.5883	2.0503	5.0179	1.3698	2.967	5.0179	24,461		
9403.5	8.7162	2.5912	0.433	4.9598	1.3176	2.9208	4.9598	24,178		
9404	8.704	2.579	1.1286	5.0579	1.4052	2.9988	5.0579	24,656		
9404.5	8.715	2.59	1.9986	5.2689	1.5953	3.1664	5.2689	25,684		
9405	8.7133	2.5883	3.4818	5.2518	1.5799	3.1529	5.2518	25,601		
9405.5	8.7185	2.5935	1.5535	5.4244	1.7346	3.2897	5.4244	26,442		
9406	8.7027	2.5777	9.4155	6.1917	2.4162	3.8951	6.1917	30,183		
9406.5	8.3246	2.1996	14.6496	6.5678	2.7303	4.1899	6.5678	32,016		
9407	7.9092	1.7842	15.6768	5.5894	1.8401	3.4178	5.5894	27,247		
9407.5	6.3693	0.2443	3.311	4.4629	0.6983	2.5075	4.4629	21,755		
9408	6.1002	-0.0248	-0.3969	3.5993	-0.1256	1.7987	3.5993	17,546		
9408.5	6.0819	-0.0431	1.4978	3.681	-0.0521	1.8658	3.681	17,944		
9409	6.0992	-0.0258	2.7999	3.9063	0.1578	2.0511	3.9063	19,042		
9409.5	6.0741	-0.0509	1.7978	3.8694	0.1209	2.0205	3.8694	18,862		
9410	6.086	-0.039	-0.2932	3.6335	-0.0957	1.8267	3.6335	17,712		
9410.5	6.0842	-0.0408	-0.9054	3.5453	-0.1776	1.7538	3.5453	17,282		
9411	6.086	-0.039	0.1584	3.6321	-0.097	1.8255	3.6321	17,705		
9411.5	6.0895	-0.0355	1.883	3.6841	-0.0485	1.8684	3.6841	17,959		
9412	6.1092	-0.0158	1.687	3.7256	-0.0078	1.9029	3.7256	18,161		
9412.5	6.1073	-0.0177	1.386	3.7975	0.0582	1.9619	3.7975	18,512		
9413	6.1229	-0.0021	1.5288	3.8106	0.0722	1.973	3.8106	18,576		
9413.5	6.1286	0.0036	2.7466	4.0235	0.269	2.1474	4.0235	19,613		
9414	6.1304	0.0054	3.0788	4.5135	0.7181	2.5457	4.5135	22,002		
9414.5	6.1236	-0.0014	1.7754	4.6797	0.8689	2.6799	4.6797	22,812		
9415	6.1307	0.0057	2.2049	4.4962	0.7022	2.5317	4.4962	21,918		
9415.5	6.1392	0.0142	2.82	4.1442	0.381	2.246	4.1442	20,202		
9416	6.125	0	4.4512	4.1526	0.387	2.2526	4.1526	20,243		
9416.5	6.1286	0.0036	4.9694	4.1467	0.382	2.2479	4.1467	20,214		
9417	6.1288	0.0038	4.1077	4.0169	0.2627	2.1419	4.0169	19,581		
9417.5	6.1339	0.0089	2.9406	3.9866	0.2354	2.1173	3.9866	19,434		
9418	6.1375	0.0125	1.518	3.7937	0.058	1.9592	3.7937	18,493		
9418.5	6.1445	0.0195	0.2402	3.3795	-0.3246	1.6176	3.3795	16,474		
9419	6.1375	0.0125	-0.4363	3.1762	-0.5147	1.4485	3.1762	15,483		
9419.5	6.1392	0.0142	-0.4498	3.3309	-0.3706	1.5772	3.3309	16,237		

9420	6.1392	0.0142	-1.1685	3.7478	0.0157	1.9216	3.7478	18,269		
9420.5	6.1392	0.0142	-3.304	3.7952	0.0595	1.9605	3.7952	18,501		
9421	6.1428	0.0178	-3.4799	3.4949	-0.2179	1.7131	3.4949	17,037		
9421.5	6.1357	0.0107	-0.1915	3.0894	-0.5959	1.376	3.0894	15,060		
9422	6.1339	0.0089	1.0044	2.8469	-0.8228	1.1726	2.8469	13,878		
9422.5	6.1327	0.0077	0.4614	2.605	-1.0501	0.9684	2.605	12,699		
9423	6.1375	0.0125	0.1952	2.5132	-1.1359	0.8906	2.5132	12,251		
9423.5	6.1428	0.0178	1.3926	2.4565	-1.1887	0.8425	2.4565	11,975		
9424	6.1357	0.0107	2.504	2.5019	-1.1468	0.881	2.5019	12,196		
9424.5	6.125	0	2.4306	2.6607	-0.9986	1.0154	2.6607	12,970		
9425	6.1321	0.0071	1.2657	3.0233	-0.6581	1.3206	3.0233	14,738		
9425.5	6.1307	0.0057	1.6448	3.6338	-0.0908	1.8275	3.6338	17,714		
9426	6.1333	0.0083	3.7207	4.1112	0.3496	2.219	4.1112	20,041		
9426.5	6.1366	0.0116	4.6931	4.2151	0.4452	2.3036	4.2151	20,547		
9427	6.1339	0.0089	3.3484	4.0549	0.2979	2.173	4.0549	19,766		
9427.5	6.1339	0.0089	2.628	4.1102	0.3487	2.2182	4.1102	20,036		
9428	6.125	0	4.1064	4.3853	0.5998	2.4418	4.3853	21,377		
9428.5	6.1375	0.0125	5.0654	4.6687	0.8599	2.6711	4.6687	22,759		
9429	6.1304	0.0054	4.3975	4.8017	0.9802	2.7782	4.8017	23,407		
9429.5	6.1197	-0.0053	3.0563	4.7903	0.9685	2.7689	4.7903	23,351		
9430	6.1321	0.0071	4.4238	4.5897	0.7873	2.6073	4.5897	22,373		
9430.5	6.1307	0.0057	4.4448	3.9731	0.2222	2.1062	3.9731	19,368		
9431	6.1321	0.0071	3.2891	3.1913	-0.5017	1.4609	3.1913	15,557		
9431.5	6.148	0.023	1.3909	2.6087	-1.045	0.9718	2.6087	12,717		
9432	6.1307	0.0057	-0.0788	2.483	-1.1654	0.8648	2.483	12,104		
9432.5	6.1428	0.0178	-0.1887	2.5943	-1.0592	0.9595	2.5943	12,646		
9433	6.1357	0.0107	-0.2328	2.8594	-0.8114	1.1831	2.8594	13,939		
9433.5	6.125	0	1.6174	3.13	-0.5596	1.4096	3.13	15,258		
9434	6.1268	0.0018	2.5852	3.7533	0.019	1.9259	3.7533	18,296		
9434.5	6.1286	0.0036	4.6526	4.4038	0.6171	2.4568	4.4038	21,467		
9435	6.1268	0.0018	4.3769	4.6398	0.8324	2.6477	4.6398	22,618		
9435.5	6.1339	0.0089	4.9639	4.3453	0.5641	2.4094	4.3453	21,182		
9436	6.125	0	3.7777	4.1129	0.35	2.2202	4.1129	20,049		
9436.5	6.125	0	3.4997	4.406	0.6186	2.4585	4.406	21,478		

9437	6.1481	0.0231	3.3738	5.0845	1.2385	3.0055	5.0845	24,785		
9437.5	6.1286	0.0036	2.9896	5.7917	1.8734	3.569	5.7917	28,233		
9438	6.1268	0.0018	2.7557	5.9382	2.0044	3.6852	5.9382	28,947		
9438.5	6.1321	0.0071	4.2918	5.5939	1.6962	3.4119	5.5939	27,269		
9439	6.1304	0.0054	5.1005	4.8708	1.0426	2.8338	4.8708	23,744		
9439.5	6.1321	0.0071	5.6661	4.5551	0.7555	2.5793	4.5551	22,205		
9440	6.1481	0.0231	5.1827	4.716	0.904	2.7094	4.716	22,989		
9440.5	6.1321	0.0071	5.3158	5.3063	1.4372	3.1827	5.3063	25,867		
9441	6.1268	0.0018	5.6741	5.884	1.9558	3.6422	5.884	28,683		
9441.5	6.1286	0.0036	7.1478	6.1133	2.1608	3.8237	6.1133	29,801		
9442	6.1357	0.0107	6.0647	5.8818	1.9548	3.6405	5.8818	28,672		
9442.5	6.1286	0.0036	5.9139	5.2526	1.3882	3.1398	5.2526	25,605		
9443	6.125	0	4.4998	4.599	0.7946	2.6147	4.599	22,419		
9443.5	6.1366	0.0116	5.1837	4.4751	0.6829	2.5146	4.4751	21,815		
9444	6.1268	0.0018	4.4985	4.512	0.7154	2.5444	4.512	21,995		
9444.5	6.1428	0.0178	4.7277	4.4959	0.7026	2.5316	4.4959	21,916		
9445	6.1392	0.0142	5.0859	4.2547	0.4815	2.3359	4.2547	20,740		
9445.5	6.1481	0.0231	5.1647	4.1998	0.4321	2.2913	4.1998	20,473		
9446	6.1445	0.0195	5.0005	4.3195	0.5415	2.3886	4.3195	21,056		
9446.5	6.1405	0.0155	4.559	4.3415	0.5611	2.4064	4.3415	21,164		
9447	6.157	0.032	3.3762	4.2199	0.4515	2.3078	4.2199	20,571		
9447.5	6.1516	0.0266	3.1558	4.0399	0.2857	2.161	4.0399	19,693		
9448	6.1534	0.0284	3.0246	3.9747	0.2258	2.1077	3.9747	19,376		
9448.5	6.1463	0.0213	4.2868	4.0303	0.2762	2.1531	4.0303	19,647		
9449	6.1445	0.0195	3.9132	4.2063	0.4376	2.2965	4.2063	20,504		
9449.5	6.1534	0.0284	4.8621	4.3527	0.5727	2.4156	4.3527	21,218		
9450	6.1641	0.0391	4.1555	4.3499	0.5714	2.4135	4.3499	21,205		
9450.5	6.1516	0.0266	4.0442	4.3841	0.6011	2.441	4.3841	21,371		
9451	6.1541	0.0291	2.7163	4.6863	0.8773	2.6855	4.6863	22,844		
9451.5	6.1587	0.0337	1.3776	5.1471	1.2959	3.0556	5.1471	25,091		
9452	6.1534	0.0284	1.6606	5.2967	1.4307	3.1752	5.2967	25,820		
9452.5	6.1587	0.0337	2.2817	5.0908	1.2451	3.0106	5.0908	24,816		
9453	6.1552	0.0302	3.8747	4.5476	0.751	2.5735	4.5476	22,168		
9453.5	6.157	0.032	3.257	4.3413	0.5627	2.4064	4.3413	21,163		

9454	6.1623	0.0373	2.3514	4.3302	0.553	2.3974	4.3302	21,108		
9454.5	6.1623	0.0373	1.7092	4.3514	0.5725	2.4147	4.3514	21,212		
9455	6.1641	0.0391	1.9526	4.2176	0.45	2.306	4.2176	20,560		
9455.5	6.158	0.033	2.9006	4.0809	0.324	2.1945	4.0809	19,893		
9456	6.1818	0.0568	3.6532	4.2023	0.438	2.2937	4.2023	20,485		
9456.5	6.1304	0.0054	4.4225	4.6449	0.8369	2.6518	4.6449	22,643		
9457	6.1108	-0.0142	3.8647	5.0648	1.2161	2.9893	5.0648	24,689		
9457.5	6.125	0	2.7142	4.995	1.1545	2.9334	4.995	24,349		
9458	6.1179	-0.0071	0.8713	4.5613	0.7591	2.5841	4.5613	22,235		
9458.5	6.1091	-0.0159	-0.7943	4.3225	0.5398	2.3905	4.3225	21,071		
9459	6.1073	-0.0177	-0.0086	4.4097	0.6194	2.4612	4.4097	21,496		
9459.5	6.1304	0.0054	1.3992	4.4775	0.684	2.5164	4.4775	21,827		
9460	6.1215	-0.0035	2.0148	4.2414	0.4669	2.3247	4.2414	20,676		
9460.5	6.1249	-0.0001	2.0415	4.0731	0.3127	2.1877	4.0731	19,855		
9461	6.1179	-0.0071	0.9237	3.9781	0.2246	2.1099	3.9781	19,392		
9461.5	6.1268	0.0018	0.5723	3.9312	0.1825	2.0717	3.9312	19,163		
9462	6.1286	0.0036	-0.3689	3.9425	0.1931	2.081	3.9425	19,219		
9462.5	6.1268	0.0018	-0.6657	3.9952	0.2413	2.1241	3.9952	19,475		
9463	6.125	0	-0.8556	4.1124	0.3488	2.2197	4.1124	20,047		
9463.5	6.1268	0.0018	-1.1504	4.1502	0.3838	2.2506	4.1502	20,231		
9464	6.1304	0.0054	0.2493	4.1382	0.3732	2.2408	4.1382	20,173		
9464.5	6.1233	-0.0017	-0.1013	3.9403	0.1903	2.0791	3.9403	19,208		
9465	6.1268	0.0018	-0.1284	3.9386	0.1891	2.0777	3.9386	19,200		
9465.5	6.1268	0.0018	0.2303	4.2073	0.4362	2.2971	4.2073	20,509		
9466	6.1327	0.0077	1.2751	4.6897	0.8776	2.6879	4.6897	22,861		
9466.5	6.1268	0.0018	2.6213	4.9456	1.1096	2.8938	4.9456	24,108		
9467	6.1215	-0.0035	2.4028	5.2454	1.3803	3.1339	5.2454	25,570		
9467.5	6.1233	-0.0017	4.2657	6.053	2.1059	3.776	6.053	29,507		
9468	6.125	0	4.5697	7.0042	2.9498	4.5256	7.0042	34,143		
9468.5	6.1286	0.0036	5.4181	7.6936	3.5549	5.0663	7.6936	37,504		
9469	6.1229	-0.0021	4.487	7.5983	3.4711	4.9917	7.5983	37,040		
9469.5	6.1252	0.0002	4.8027	7.2971	3.2075	4.7555	7.2971	35,571		
9470	6.1151	-0.0099	4.4061	6.8896	2.8477	4.4355	6.8896	33,585		
9470.5	6.125	0	4.708	6.4849	2.4905	4.1171	6.4849	31,612		

9471	6.125	0	5.2944	6.2894	2.3168	3.9629	6.2894	30,659		
9471.5	6.1215	-0.0035	5.9518	6.1011	2.1486	3.814	6.1011	29,741		
9472	6.1268	0.0018	5.6672	5.9218	1.9891	3.6722	5.9218	28,867		
9472.5	6.1179	-0.0071	5.1561	5.6631	1.7562	3.4668	5.6631	27,606		
9473	6.1233	-0.0017	3.7875	6.1458	2.1886	3.8494	6.1458	29,959		
9473.5	6.1162	-0.0088	3.5738	7.0345	2.9755	4.5494	7.0345	34,291		
9474	6.1268	0.0018	3.5618	7.5767	3.4525	4.9747	7.5767	36,934		
9474.5	6.1321	0.0071	3.7911	6.9296	2.8847	4.4671	6.9296	33,780		
9475	6.1197	-0.0053	3.9527	5.9669	2.0285	3.7079	5.9669	29,087		
9475.5	6.1229	-0.0021	3.4054	4.8399	1.0131	2.8088	4.8399	23,593		
9476	6.1268	0.0018	2.1853	3.6039	-0.12	1.8027	3.6039	17,568		
9476.5	6.1252	0.0002	0.242	2.661	-0.9997	1.0154	2.661	12,972		
9477	6.1268	0.0018	-1.1718	2.1991	-1.435	0.6221	2.1991	10,720		
9477.5	6.0895	-0.0355	-0.6306	2.1506	-1.4853	0.5796	2.1506	10,484		
9478	6.1144	-0.0106	0.1585	2.0834	-1.546	0.5224	2.0834	10,156		
9478.5	6.1268	0.0018	-0.9542	1.9902	-1.6329	0.4424	1.9902	9,702		
9479	6.1481	0.0231	-2.56	1.957	-1.6618	0.4143	1.957	9,540		
9479.5	6.1215	-0.0035	-3.2787	2.1324	-1.4988	0.5647	2.1324	10,395		
9480	6.1215	-0.0035	-2.6753	2.4397	-1.2083	0.8276	2.4397	11,893		
9480.5	6.1215	-0.0035	0.4327	2.9424	-0.7363	1.2524	2.9424	14,343		
9481	6.1162	-0.0088	2.4089	3.2793	-0.4226	1.5337	3.2793	15,986		
9481.5	6.1126	-0.0124	3.2185	3.2952	-0.4083	1.5468	3.2952	16,063		
9482	6.125	0	1.8758	2.9587	-0.7207	1.2661	2.9587	14,423		
9482.5	6.1215	-0.0035	0.4447	2.6541	-1.0067	1.0095	2.6541	12,938		
9483	6.1197	-0.0053	1.2025	2.6041	-1.0537	0.9672	2.6041	12,694		
9483.5	6.1162	-0.0088	0.9615	2.6331	-1.0269	0.9916	2.6331	12,836		
9484	6.1179	-0.0071	1.4682	2.739	-0.9273	1.0812	2.739	13,352		
9484.5	6.1197	-0.0053	0.6754	2.8442	-0.8285	1.1699	2.8442	13,865		
9485	6.1179	-0.0071	0.497	3.1199	-0.5711	1.4009	3.1199	15,209		
9485.5	6.121	-0.004	1.0639	3.4355	-0.2769	1.6634	3.4355	16,747		
9486	6.1197	-0.0053	2.5893	3.7103	-0.0226	1.8902	3.7103	18,087		
9486.5	6.1144	-0.0106	4.5837	3.7994	0.0591	1.9634	3.7994	18,521		
9487	6.1236	-0.0014	4.0854	3.6949	-0.0364	1.8776	3.6949	18,012		
9487.5	6.121	-0.004	3.0385	3.4768	-0.2387	1.6976	3.4768	16,948		

9488	6.1179	-0.0071	1.2811	3.3019	-0.4015	1.5525	3.3019	16,096		
9488.5	6.1286	0.0036	0.9439	3.4722	-0.242	1.6939	3.4722	16,926		
9489	6.1268	0.0018	2.0821	3.8421	0.0999	1.9986	3.8421	18,729		
9489.5	6.1375	0.0125	4.3709	4.2581	0.4835	2.3385	4.2581	20,757		
9490	6.1304	0.0054	5.4489	4.3507	0.5676	2.4137	4.3507	21,208		
9490.5	6.1286	0.0036	5.8877	4.1777	0.4087	2.2729	4.1777	20,365		
9491	6.1215	-0.0035	4.7854	4.3536	0.5693	2.4159	4.3536	21,223		
9491.5	6.1428	0.0178	4.1487	5.578	1.6822	3.3994	5.578	27,191		
9492	6.148	0.023	3.0702	7.5595	3.4394	4.9613	7.5595	36,850		
9518	6.1108	-0.0142	2.3241	7.2947	3.2034	4.7536	7.2947	35,560		
9518.5	6.102	-0.023	2.5062	6.5067	2.507	4.1342	6.5067	31,718		
9519	6.1055	-0.0195	2.4646	5.693	1.7812	3.4905	5.693	27,752		
9519.5	6.1091	-0.0159	1.0642	5.0216	1.176	2.9547	5.0216	24,479		
9520	6.1092	-0.0158	0.9042	4.5896	0.7831	2.6069	4.5896	22,373		
9520.5	6.102	-0.023	-0.0362	4.4787	0.6811	2.5171	4.4787	21,832		
9521	6.1162	-0.0088	1.4185	4.5544	0.7519	2.5785	4.5544	22,201		
9521.5	6.1092	-0.0158	1.2575	4.5922	0.7856	2.609	4.5922	22,386		
9522	6.1126	-0.0124	1.0528	4.3747	0.5874	2.433	4.3747	21,325		
9522.5	6.1055	-0.0195	0.0004	4.1076	0.3416	2.2156	4.1076	20,023		
9523	6.1091	-0.0159	-0.9831	3.8256	0.0822	1.9848	3.8256	18,649		
9523.5	6.1091	-0.0159	-1.4679	3.8687	0.1221	2.0202	3.8687	18,859		
9524	6.1073	-0.0177	-0.6002	4.1517	0.3823	2.2516	4.1517	20,238		
9524.5	6.1112	-0.0138	1.595	4.3559	0.5698	2.4176	4.3559	21,234		
9525	6.1108	-0.0142	2.1011	4.1812	0.4098	2.2756	4.1812	20,382		
9525.5	6.1055	-0.0195	2.1751	3.7461	0.0085	1.9195	3.7461	18,261		
9526	6.1037	-0.0213	0.9687	3.3647	-0.3451	1.6044	3.3647	16,402		
9526.5	6.1092	-0.0158	0.8425	3.0744	-0.6149	1.3627	3.0744	14,987		
9527	6.1162	-0.0088	0.3092	3.0832	-0.6059	1.3701	3.0832	15,030		
9527.5	6.1233	-0.0017	0.4589	3.0943	-0.5946	1.3796	3.0943	15,084		
9528	6.1091	-0.0159	0.4046	3.0702	-0.6188	1.3591	3.0702	14,966		
9528.5	6.1144	-0.0106	-0.1928	2.9428	-0.7372	1.2525	2.9428	14,345		
9529	6.1151	-0.0099	0.1888	2.8339	-0.839	1.1611	2.8339	13,814		
9529.5	6.1215	-0.0035	-1.6228	2.8324	-0.8398	1.1599	2.8324	13,807		
9530	6.1037	-0.0213	-3.1351	2.8316	-0.8426	1.1589	2.8316	13,803		

9530.5	6.1131	-0.0119	-4.0969	2.9454	-0.7349	1.2548	2.9454	14,358		
9531	6.1073	-0.0177	-2.7058	3.105	-0.5866	1.3882	3.105	15,136		
9531.5	6.1126	-0.0124	-0.9473	3.294	-0.4098	1.5459	3.294	16,057		
9532	6.1126	-0.0124	-0.2324	3.2981	-0.406	1.5493	3.2981	16,077		
9532.5	6.1179	-0.0071	-0.022	3.2114	-0.4862	1.4772	3.2114	15,655		
9533	6.1073	-0.0177	-0.1692	3.0646	-0.6243	1.3544	3.0646	14,939		
9533.5	6.1073	-0.0177	-1.8162	2.9965	-0.6879	1.2974	2.9965	14,607		
9534	6.1162	-0.0088	-2.2601	3.0106	-0.6737	1.3094	3.0106	14,676		
9534.5	6.102	-0.023	-1.238	3.5043	-0.2158	1.72	3.5043	17,082		
9535	6.1014	-0.0236	0.4122	5.9041	1.9698	3.658	5.9041	28,781	Lyons	
9850	6.0917	-0.0333	-7.2176	4.2813	2.6698	4.2813	6.6929	20,870	Wolfcamp	
9850.5	6.0949	-0.0301	-7.1151	4.3874	2.7893	4.3874	6.8277	21,387		
9851	6.0878	-0.0372	-7.124	4.4109	2.8149	4.4109	6.8576	21,502		
9851.5	6.0753	-0.0497	-8.5234	4.3848	2.7844	4.3848	6.8245	21,375		
9852	6.1053	-0.0197	-8.8725	4.2675	2.6557	4.2675	6.6753	20,803		
9852.5	6.0975	-0.0275	-8.5612	4.3973	2.8008	4.3973	6.8404	21,436		
9853	6.0913	-0.0337	-8.2947	4.6636	3.0989	4.6636	7.1794	22,734		
9853.5	6.0878	-0.0372	-8.3113	4.9506	3.4196	4.9506	7.5453	24,133		
9854	6.0984	-0.0266	-8.3889	5.1109	3.5994	5.1109	7.7498	24,914		
9854.5	6.0956	-0.0294	-7.8804	4.9147	3.3803	4.9147	7.4994	23,958		
9855	6.0895	-0.0355	-8.1295	4.7424	3.187	4.7424	7.2798	23,118		
9855.5	6.0956	-0.0294	-7.8093	4.6726	3.1095	4.6726	7.1908	22,778		
9856	6.0984	-0.0266	-9.0159	4.6163	3.0466	4.6163	7.119	22,503		
9856.5	6.0936	-0.0314	-9.0366	4.5028	2.9188	4.5028	6.9746	21,950		
9857	6.0895	-0.0355	-8.3074	4.3722	2.7717	4.3722	6.8084	21,313		
9857.5	6.1034	-0.0216	-8.1855	4.4573	2.8688	4.4573	6.9166	21,728		
9858	6.0966	-0.0284	-8.0865	4.6994	3.1397	4.6994	7.225	22,908		
9858.5	6.0966	-0.0284	-9.1745	4.8303	3.2861	4.8303	7.3918	23,546		
9859	6.0931	-0.0319	-8.3788	4.824	3.2788	4.824	7.3838	23,516		
9859.5	6.0839	-0.0411	-9.8651	4.5025	2.9176	4.5025	6.9742	21,948		
9860	6.1014	-0.0236	-8.8662	4.2352	2.619	4.2352	6.6342	20,645		
9860.5	6.0975	-0.0275	-9.1523	4.1619	2.5361	4.1619	6.5412	20,288		
9861	6.0984	-0.0266	-8.5237	4.3049	2.6971	4.3049	6.7229	20,985		
9861.5	6.0956	-0.0294	-8.6171	4.5119	2.9293	4.5119	6.9861	21,994		



9862	6.0936	-0.0314	-7.7554	4.5286	2.9479	4.5286	7.0073	22,076		
9862.5	6.0824	-0.0426	-6.8048	4.5443	2.9645	4.5443	7.0275	22,152		
9863	6.0895	-0.0355	-7.4498	4.4399	2.8479	4.4399	6.8946	21,643		
9863.5	6.0878	-0.0372	-7.9224	4.4015	2.8046	4.4015	6.8457	21,456		
9864	6.0966	-0.0284	-7.8107	4.39	2.7926	4.39	6.8311	21,400		
9864.5	6.0897	-0.0353	-7.9964	4.4174	2.8227	4.4174	6.8659	21,534		
9865	6.0807	-0.0443	-8.1252	4.4925	2.9062	4.4925	6.9615	21,900		
9865.5	6.0858	-0.0392	-8.0293	4.4912	2.9052	4.4912	6.9598	21,893		
9866	6.0949	-0.0301	-7.205	4.454	2.8643	4.454	6.9124	21,712		
9866.5	6.0897	-0.0353	-7.4271	4.3869	2.7885	4.3869	6.8271	21,385		
9867	6.0931	-0.0319	-7.4852	4.4267	2.8335	4.4267	6.8776	21,579		
9867.5	6.0917	-0.0333	-7.1264	5.1184	3.6073	5.1184	7.7593	24,951		
9868	6.0895	-0.0355	-7.6202	5.6214	4.1651	5.6214	8.4014	27,403		
9868.5	6.0839	-0.0411	-6.5941	5.2212	3.721	5.2212	7.8906	25,452		
9869	6.0807	-0.0443	-6.1924	4.0251	2.3804	4.0251	6.3678	19,621		
9869.5	6.0807	-0.0443	-3.1341	3.0493	1.2785	3.0493	5.1394	14,864		
9870	6.0819	-0.0431	-0.0518	2.7333	0.9217	2.7333	4.746	13,324		
9870.5	6.0839	-0.0411	2.9163	2.9086	1.1199	2.9086	4.9639	14,179		
9871	6.0819	-0.0431	2.0862	3.5537	1.8488	3.5537	5.7721	17,323		
9871.5	6.0807	-0.0443	1.4425	3.7412	2.0602	3.7412	6.0086	18,237		
9872	6.0839	-0.0411	0.0305	3.4285	1.7075	3.4285	5.6145	16,713		
9872.5	6.0842	-0.0408	-0.5492	2.6889	0.8718	2.6889	4.6909	13,108		
9873	6.0931	-0.0319	-2.0651	2.2687	0.3988	2.2687	4.1725	11,059		
9873.5	6.08	-0.045	-0.4734	2.5303	0.6924	2.5303	4.4948	12,334		
9874	6.0789	-0.0461	-0.4623	2.9808	1.2011	2.9808	5.054	14,531		
9874.5	6.078	-0.047	0.0453	3.3762	1.6477	3.3762	5.5488	16,458		
9875	6.07	-0.055	-1.7599	3.2719	1.5292	3.2719	5.418	15,950		
9875.5	6.0878	-0.0372	-0.9285	3.0773	1.311	3.0773	5.1744	15,001		
9876	6.086	-0.039	-0.914	3.1836	1.431	3.1836	5.3072	15,519		
9876.5	6.0936	-0.0314	-0.3227	3.5377	1.8319	3.5377	5.7519	17,245		
9877	6.0842	-0.0408	-0.7815	4.3161	2.7085	4.3161	6.737	21,040		
9877.5	6.0839	-0.0411	-1.2337	4.916	3.3809	4.916	7.5011	23,964		
9878	6.086	-0.039	-1.9419	5.5598	4.0969	5.5598	8.3227	27,102		
9878.5	6.0913	-0.0337	-2.6352	6.6281	5.2666	6.6281	9.6834	32,310		

9879	6.0878	-0.0372	-3.0178	8.042	6.7688	8.042	11.463	39,202		
9879.5	6.0819	-0.0431	-2.4077	9.0902	7.8437	9.0902	12.7564	44,312		
9880	6.0741	-0.0509	-2.1338	9.558	8.3121	9.558	13.325	46,592		
9880.5	6.0741	-0.0509	-1.6256	9.5679	8.322	9.5679	13.337	46,641		
9881	6.0842	-0.0408	-2.0874	9.6078	8.362	9.6078	13.3848	46,835		
9881.5	6.078	-0.047	-2.348	9.7124	8.4655	9.7124	13.5112	47,345		
9882	6.0949	-0.0301	-2.3375	11.1381	9.8457	11.1381	15.1985	54,295		
9882.5	6.0819	-0.0431	-3.0897	13.5919	12.0828	13.5919	17.965	66,257		
9883	6.0878	-0.0372	-4.5331	13.6812	12.1611	13.6812	18.0616	66,692		
9883.5	6.0807	-0.0443	-7.3368	9.8293	8.5811	9.8293	13.6517	47,915		
9884	6.0819	-0.0431	-6.8012	7.1355	5.8117	7.1355	10.3259	34,784		
9884.5	6.0956	-0.0294	-7.0276	5.5725	4.1121	5.5725	8.3389	27,164		
9885	6.0842	-0.0408	-5.0667	5.2658	3.7709	5.2658	7.9474	25,669		
9885.5	6.0771	-0.0479	-6.3185	5.2598	3.7636	5.2598	7.9399	25,640		Wolfcamp
9886	6.078	-0.047	-6.1444	5.3388	3.8513	5.3388	8.0407	26,025		Amazon
9898	6.0819	-0.0431	-3.2614	6.1107	4.703	6.1107	9.0253	29,788		Amazon
9898.5	6.0819	-0.0431	-1.7019	6.8346	5.4889	6.8346	9.9452	33,317		
9899	6.0771	-0.0479	-2.1169	7.1146	5.789	7.1146	10.2995	34,682		
9899.5	6.0753	-0.0497	-2.6901	7.4632	6.1599	7.4632	10.7387	36,381		
9900	6.0753	-0.0497	-1.3724	8.4175	7.1572	8.4175	11.9295	41,033		
9900.5	6.0663	-0.0587	0.4633	9.9547	8.7041	9.9547	13.8027	48,526		
9901	6.0624	-0.0626	0.7082	10.8811	9.6009	10.8811	14.9004	53,042		
9901.5	6.0663	-0.0587	1.443	11.094	9.8034	11.094	15.1488	54,080		
9902	6.0753	-0.0497	1.747	11.4355	10.1254	11.4355	15.5443	55,745		
9902.5	6.0722	-0.0528	2.4404	11.7098	10.3814	11.7098	15.8601	57,082		
9903	6.0612	-0.0638	3.0953	12.1369	10.7758	12.1369	16.348	59,164		
9903.5	6.0624	-0.0626	3.0064	12.2454	10.8752	12.2454	16.4707	59,693		
9904	6.0789	-0.0461	3.0183	12.0492	10.6952	12.0492	16.247	58,736		
9904.5	6.08	-0.045	4.2328	12.8588	11.4311	12.8588	17.1572	62,683		
9905	6.07	-0.055	7.1231	14.0327	12.4688	14.0327	18.4444	68,405		
9905.5	6.0682	-0.0568	7.9528	15.8385	14.0067	15.8385	20.3495	77,208		
9906	6.08	-0.045	9.9757	16.83	14.8259	16.83	21.3584	82,041		
9906.5	6.0753	-0.0497	12.0991	18.0799	15.8408	18.0799	22.6015	88,134		
9907	6.078	-0.047	14.9738	20.1548	17.4928	20.1548	24.594	98,249		

9907.5	6.0682	-0.0568	15.5449	20.9299	18.1051	20.9299	25.3213	102,027		
9908	6.0819	-0.0431	13.6798	20.4536	17.7283	20.4536	24.8735	99,705		
9908.5	6.0771	-0.0479	12.1197	19.1762	16.7174	19.1762	23.6641	93,478		
9909	6.0663	-0.0587	12.5257	19.5573	17.021	19.5573	24.0308	95,336		
9909.5	6.0771	-0.0479	16.5051	20.5944	17.8398	20.5944	25.0066	100,392		
9910	6.0839	-0.0411	18.6492	22.6276	19.4401	22.6276	26.874	110,303		
9910.5	6.0807	-0.0443	19.5092	23.1255	19.8331	23.1255	27.3237	112,730		
9911	6.0753	-0.0497	19.5784	24.0023	20.5278	24.0023	28.1089	117,004		
9911.5	6.0761	-0.0489	18.8923	23.8176	20.3812	23.8176	27.9445	116,104		
9912	6.0722	-0.0528	17.9486	23.7825	20.3538	23.7825	27.9144	115,933		
9912.5	6.08	-0.045	15.7383	22.988	19.7246	22.988	27.2002	112,060		
9913	6.0771	-0.0479	14.3097	22.2106	19.1123	22.2106	26.4972	108,270		
9913.5	6.08	-0.045	14.9609	22.3349	19.2098	22.3349	26.6094	108,876		
9914	6.0842	-0.0408	15.5325	22.2229	19.1213	22.2229	26.5066	108,330		
9914.5	6.078	-0.047	16.0289	21.6803	18.6949	21.6803	26.0123	105,685		
9915	6.0771	-0.0479	15.8116	20.2716	17.5851	20.2716	24.7039	98,818		
9915.5	6.0741	-0.0509	15.0042	19.5061	16.9797	19.5061	23.9803	95,087		
9916	6.08	-0.045	13.4457	18.7896	16.4091	18.7896	23.2914	91,594		
9916.5	6.0824	-0.0426	12.7091	17.6393	15.4847	17.6393	22.1661	85,986		
9917	6.0741	-0.0509	10.8271	15.9825	14.1264	15.9825	20.4969	77,910		
9917.5	6.0789	-0.0461	8.6136	15.0169	13.3144	15.0169	19.492	73,203		
9918	6.0819	-0.0431	5.8848	14.7814	13.1137	14.7814	19.243	72,055		
9918.5	6.0824	-0.0426	6.8351	15.285	13.5413	15.285	19.7726	74,510		
9919	6.0702	-0.0548	8.4456	15.9772	14.1222	15.9772	20.4921	77,884		
9919.5	6.0824	-0.0426	10.0391	16.6446	14.6735	16.6446	21.1708	81,138		
9920	6.0722	-0.0528	11.1957	17.3658	15.2637	17.3658	21.8966	84,653		
9920.5	6.0546	-0.0704	12.4762	17.1866	15.1191	17.1866	21.721	83,780		
9921	6.0576	-0.0674	12.7045	17.1925	15.1237	17.1925	21.7264	83,808		
9921.5	6.0565	-0.0685	10.4318	16.2836	14.3774	16.2836	20.8082	79,378		
9922	6.0629	-0.0621	9.9696	14.7946	13.1258	14.7946	19.2597	72,119		
9922.5	6.0736	-0.0514	7.6781	13.0551	11.607	13.0551	17.3756	63,640		
9923	6.0702	-0.0548	5.0993	11.9607	10.6137	11.9607	16.1471	58,305		
9923.5	6.08	-0.045	2.13	11.6188	10.2968	11.6188	15.7551	56,638		
9924	6.08	-0.045	1.0473	11.3042	10.0022	11.3042	15.3921	55,105		

9924.5	6.0718	-0.0532	1.6096	10.838	9.56	10.838	14.8494	52,832		
9925	6.0819	-0.0431	2.06	9.2041	7.9585	9.2041	12.8951	44,867		
9925.5	6.0824	-0.0426	-0.4701	7.2798	5.9656	7.2798	10.5078	35,487		
9926	6.0819	-0.0431	-4.1056	5.4796	4.0079	5.4796	8.2202	26,711		
9926.5	6.0897	-0.0353	-7.0636	4.4071	2.8116	4.4071	6.8526	21,483		
9927	6.0966	-0.0284	-6.6627	3.815	2.1454	3.815	6.1015	18,597		
9927.5	6.0995	-0.0255	-6.6546	3.6296	1.9366	3.6296	5.8674	17,693		
9928	6.0931	-0.0319	-5.0055	3.4223	1.7016	3.4223	5.6065	16,683		
9928.5	6.0975	-0.0275	-5.1564	3.3448	1.6145	3.3448	5.509	16,305		
9929	6.0931	-0.0319	-6.9535	3.1981	1.4483	3.1981	5.3251	15,590		
9929.5	6.0975	-0.0275	-10.3457	3.1743	1.4219	3.1743	5.2953	15,474		
9930	6.0995	-0.0255	-9.3831	3.2886	1.5513	3.2886	5.4386	16,031		
9930.5	6.0984	-0.0266	-8.2525	3.4798	1.767	3.4798	5.6787	16,963		
9931	6.1151	-0.0099	-6.3587	3.6812	1.9962	3.6812	5.9324	17,945		
9931.5	6.1215	-0.0035	-5.1973	3.7919	2.1217	3.7919	6.0721	18,484		
9932	6.1151	-0.0099	-5.1285	3.9504	2.2999	3.9504	6.2727	19,257		
9932.5	6.1144	-0.0106	-8.0615	4.0253	2.3844	4.0253	6.3676	19,622		
9933	6.121	-0.004	-6.9231	4.0574	2.4212	4.0574	6.4083	19,779		
9933.5	6.1126	-0.0124	-8.4032	4.0877	2.4545	4.0877	6.4468	19,926		
9934	6.1375	0.0125	-7.2614	4.2904	2.6851	4.2904	6.7039	20,914		
9934.5	6.1307	0.0057	-7.0541	4.4884	2.9068	4.4884	6.9558	21,880		
9935	6.1268	0.0018	-5.4859	4.784	3.2377	4.784	7.3323	23,321		
9935.5	6.1502	0.0252	-6.0044	4.8134	3.2729	4.8134	7.3697	23,464		
9936	6.125	0	-6.6347	4.8861	3.3516	4.8861	7.4626	23,818		
9936.5	6.1229	-0.0021	-7.5706	5.0156	3.4961	5.0156	7.6278	24,450		
9937	6.1912	0.0662	-6.7049	5.3392	3.8625	5.3392	8.0404	26,027		
9937.5	6.1658	0.0408	-6.4836	5.6991	4.2583	5.6991	8.5	27,781		
9938	6.1818	0.0568	-4.7826	5.9497	4.5354	5.9497	8.8194	29,003		
9938.5	6.1463	0.0213	-5.8722	5.9807	4.5662	5.9807	8.8592	29,154		
9939	6.1463	0.0213	-5.4964	5.7467	4.3089	5.7467	8.5608	28,014		
9939.5	6.1481	0.0231	-6.4956	5.5096	4.0473	5.5096	8.2582	26,858		
9940	6.1268	0.0018	-6.2521	5.3675	3.8879	5.3675	8.0769	26,165		
9940.5	6.1126	-0.0124	-6.5476	5.3437	3.8601	5.3437	8.0466	26,049		
9941	6.0917	-0.0333	-6.919	5.1825	3.6788	5.1825	7.841	25,263		

9941.5	6.0895	-0.0355	-7.0744	4.9752	3.4475	4.9752	7.5764	24,253		
9942	6.0839	-0.0411	-8.9956	4.6309	3.0618	4.6309	7.1374	22,574		
9942.5	6.0897	-0.0353	-9.1756	4.3005	2.6915	4.3005	6.717	20,964		
9943	6.0878	-0.0372	-9.3487	4.134	2.5039	4.134	6.5056	20,152		
9943.5	6.0917	-0.0333	-6.6281	4.4048	2.8091	4.4048	6.8497	21,472		
9944	6.0878	-0.0372	-4.5399	4.177	2.5524	4.177	6.5602	20,362		
9944.5	6.0949	-0.0301	-2.5312	3.6188	1.9236	3.6188	5.8538	17,641		
9945	6.0824	-0.0426	-1.3734	2.9704	1.1897	2.9704	5.0408	14,480		
9945.5	6.0878	-0.0372	-0.6421	2.802	0.9999	2.802	4.8311	13,659		
9946	6.078	-0.047	-1.0029	2.9457	1.1612	2.9457	5.01	14,359		
9946.5	6.0824	-0.0426	-1.5506	3.1078	1.345	3.1078	5.2123	15,150		Amazon
9947	6.0858	-0.0392	-1.7719	3.2796	1.5395	3.2796	5.4274	15,987		Council Grove
9947.5	6.0878	-0.0372	-0.2529	3.5432	1.8375	3.5432	5.7586	17,272		
9948	6.0842	-0.0408	-0.0218	3.8712	2.2073	3.8712	6.1727	18,871		
9948.5	6.0819	-0.0431	2.0862	4.2857	2.674	4.2857	6.6983	20,892		
9949	6.086	-0.039	2.2975	4.4021	2.8053	4.4021	6.8462	21,459		
9949.5	6.0949	-0.0301	3.8332	4.3555	2.7537	4.3555	6.7869	21,232		
9950	6.0819	-0.0431	3.0817	4.2695	2.6558	4.2695	6.6777	20,813		
9950.5	6.0842	-0.0408	3.8879	4.1921	2.5688	4.1921	6.5794	20,435		
9951	6.08	-0.045	2.1439	4.0723	2.4336	4.0723	6.4273	19,851		
9951.5	6.0913	-0.0337	2.6394	3.8096	2.1386	3.8096	6.0947	18,571		
9952	6.0917	-0.0333	2.1011	3.8017	2.1296	3.8017	6.0847	18,532		
9952.5	6.0824	-0.0426	0.8454	4.7475	3.1922	4.7475	7.286	23,143		
9953	6.0842	-0.0408	-0.8154	5.3437	3.8572	5.3437	8.0467	26,049		
9953.5	6.0895	-0.0355	-1.3099	5.2079	3.7067	5.2079	7.8733	25,387		
9954	6.0917	-0.0333	-0.2199	4.2407	2.6244	4.2407	6.6411	20,672		
9954.5	6.0966	-0.0284	2.0831	3.7754	2.1005	3.7754	6.0515	18,404		
9955	6.0897	-0.0353	2.7643	4.4907	2.9051	4.4907	6.9589	21,891		
9955.5	6.0807	-0.0443	0.6309	7.7137	6.4243	7.7137	11.0528	37,602		
9956	6.0842	-0.0408	-1.5681	13.978	12.4209	13.978	18.384	68,139		
9956.5	6.0917	-0.0333	-0.039	14.5713	12.9336	14.5713	19.0193	71,031		
9957	6.0949	-0.0301	1.5693	10.7324	9.4594	10.7324	14.7241	52,317		
9957.5	6.08	-0.045	2.3603	8.0329	6.7586	8.0329	11.4516	39,158		
9958	6.0895	-0.0355	2.4468	7.0216	5.6901	7.0216	10.1817	34,228		

9958.5	6.0736	-0.0514	1.5053	7.7062	6.4159	7.7062	11.0436	37,566		
9959	6.0819	-0.0431	-0.639	9.118	7.8716	9.118	12.7902	44,448		
9959.5	6.0824	-0.0426	-1.3176	10.1856	8.9306	10.1856	14.0778	49,652		
9960	6.0819	-0.0431	-0.2466	10.9421	9.6594	10.9421	14.9708	53,340		
9960.5	6.0807	-0.0443	0.976	11.2891	9.9879	11.2891	15.3748	55,031		
9961	6.0839	-0.0411	3.6213	12.0686	10.7132	12.0686	16.2689	58,831		
9961.5	6.0861	-0.0389	6.9881	13.3673	11.8845	13.3673	17.7187	65,162		
9962	6.078	-0.047	7.6626	13.9479	12.3948	13.9479	18.3522	67,992		
9962.5	6.0839	-0.0411	7.6912	13.39	11.9046	13.39	17.7439	65,272		
9963	6.0878	-0.0372	6.9919	11.8025	10.4676	11.8025	15.9654	57,534		
9963.5	6.0842	-0.0408	6.4804	10.5703	9.3035	10.5703	14.5338	51,527		
9964	6.0897	-0.0353	5.1203	9.1553	7.9096	9.1553	12.8355	44,629		
9964.5	6.0949	-0.0301	4.9547	7.9934	6.7183	7.9934	11.4021	38,966		
9965	6.0842	-0.0408	5.4893	7.3402	6.0297	7.3402	10.5838	35,781		
9965.5	6.0936	-0.0314	5.2304	7.7412	6.4542	7.7412	11.087	37,736		
9966	6.0842	-0.0408	3.4747	8.8564	7.6068	8.8564	12.4701	43,172		
9966.5	6.0897	-0.0353	0.8682	9.103	7.8569	9.103	12.7717	44,374		
9967	6.0984	-0.0266	-1.5798	9.2927	8.0482	9.2927	13.0024	45,299		
9967.5	6.0917	-0.0333	-2.6063	8.6838	7.4313	8.6838	12.2577	42,331		
9968	6.0718	-0.0532	-3.3187	7.9583	6.68	7.9583	11.3588	38,794		
9968.5	6.0771	-0.0479	-3.1477	6.9236	5.5839	6.9236	10.0578	33,751		
9969	6.078	-0.047	-2.6931	6.5274	5.1563	6.5274	9.5555	31,819		
9969.5	6.0753	-0.0497	-2.3656	6.9205	5.5804	6.9205	10.054	33,735		
9970	6.0736	-0.0514	-1.1403	7.5824	6.2854	7.5824	10.8883	36,962		
9970.5	6.078	-0.047	-0.1652	8.1661	6.8969	8.1661	11.6175	39,807		
9971	6.0807	-0.0443	0.3207	8.6971	7.4442	8.6971	12.2743	42,396		
9971.5	6.0839	-0.0411	-0.1401	9.1382	7.892	9.1382	12.8148	44,546		
9972	6.0753	-0.0497	0.2047	9.6279	8.3815	9.6279	13.4093	46,933		
9972.5	6.0771	-0.0479	-0.0073	9.9883	8.7373	9.9883	13.8425	48,690		
9973	6.0741	-0.0509	-0.1945	10.1105	8.857	10.1105	13.9887	49,286		
9973.5	6.0718	-0.0532	0.2561	10.1309	8.8767	10.1309	14.0131	49,385		
9974	6.0718	-0.0532	0.427	9.8657	8.6166	9.8657	13.6958	48,092		
9974.5	6.0722	-0.0528	0.8166	9.8431	8.5943	9.8431	13.6687	47,982		
9975	6.0682	-0.0568	0.3365	9.7918	8.5436	9.7918	13.6072	47,732		

9975.5	6.0682	-0.0568	1.2093	10.0956	8.8422	10.0956	13.9712	49,213		
9976	6.0807	-0.0443	1.0146	10.37	9.1097	10.37	14.2971	50,551		
9976.5	6.0663	-0.0587	1.6423	10.5716	9.3042	10.5716	14.5363	51,534		
9977	6.0665	-0.0585	1.6717	10.0036	8.752	10.0036	13.8613	48,765		
9977.5	6.0842	-0.0408	1.521	9.0126	7.7652	9.0126	12.6614	43,934		
9978	6.0895	-0.0355	0.6328	7.8971	6.6173	7.8971	11.2821	38,496		
9978.5	6.0917	-0.0333	-0.8491	7.3676	6.0593	7.3676	10.6181	35,915		
9979	6.0984	-0.0266	-1.9386	7.2944	5.9821	7.2944	10.5258	35,558		
9979.5	6.0956	-0.0294	-2.0023	7.6047	6.3105	7.6047	10.9159	37,071		
9980	6.1126	-0.0124	-2.0135	7.556	6.2604	7.556	10.8546	36,833		
9980.5	6.1055	-0.0195	-2.3282	7.5112	6.2125	7.5112	10.7984	36,615		
9981	6.1034	-0.0216	-2.8494	7.2979	5.9861	7.2979	10.5301	35,575		
9981.5	6.1073	-0.0177	-2.3534	7.1685	5.8485	7.1685	10.3669	34,944		
9982	6.1002	-0.0248	-1.4635	6.6128	5.2507	6.6128	9.6637	32,235		
9998	6.0722	-0.0528	-6.2181	6.2531	4.8572	6.2531	9.2066	30,482		Council Grove
9998.5	6.0718	-0.0532	-5.9823	6.6959	5.3379	6.6959	9.7693	32,641		
9999	6.0736	-0.0514	-6.0125	6.8669	5.5224	6.8669	9.986	33,474		
9999.5	6.0624	-0.0626	-3.2987	7.4341	6.1274	7.4341	10.7021	36,239		
10000	6.0647	-0.0603	-2.6311	7.888	6.606	7.888	11.2711	38,452		
10000.5	6.0629	-0.0621	-0.963	8.1096	6.8371	8.1096	11.5474	39,532		
10001	6.0546	-0.0704	-1.1237	7.6265	6.3304	7.6265	10.9439	37,177		
10001.5	6.0505	-0.0745	-2.4505	6.8566	5.5095	6.8566	9.9733	33,424		
10002	6.0541	-0.0709	-4.4499	6.3194	4.9279	6.3194	9.2912	30,805		
10002.5	6.0526	-0.0724	-4.0938	6.1225	4.7127	6.1225	9.0404	29,845		
10003	6.0612	-0.0638	-3.3209	6.1326	4.7244	6.1326	9.0532	29,895		
10003.5	6.0665	-0.0585	-2.0652	5.8966	4.4661	5.8966	8.7523	28,744		
10004	6.0663	-0.0587	-3.4046	5.5682	4.104	5.5682	8.3333	27,143		
10004.5	6.0736	-0.0514	-4.2675	5.3359	3.8473	5.3359	8.0367	26,011		
10005	6.0771	-0.0479	-7.0292	5.3831	3.8999	5.3831	8.0969	26,241		
10005.5	6.0819	-0.0431	-6.1886	5.6748	4.2233	5.6748	8.4693	27,663		
10006	6.07	-0.055	-5.999	6.1043	4.6943	6.1043	9.0171	29,757		
10006.5	6.0722	-0.0528	-5.2602	6.6166	5.2522	6.6166	9.6688	32,254		
10007	6.0807	-0.0443	-3.8942	6.9343	5.5956	6.9343	10.0713	33,803		
10007.5	6.0761	-0.0489	-3.6014	6.5749	5.2073	6.5749	9.6157	32,051		

10008	6.0736	-0.0514	-5.9693	5.8382	4.4024	5.8382	8.6778	28,460		
10008.5	6.0682	-0.0568	-6.5073	5.3824	3.8983	5.3824	8.0962	26,238		
10009	6.0663	-0.0587	-7.1921	5.4267	3.9471	5.4267	8.1526	26,454		
10009.5	6.0718	-0.0532	-5.1204	6.0066	4.5873	6.0066	8.8926	29,280		
10010	6.0665	-0.0585	-4.3088	6.8765	5.5321	6.8765	9.9983	33,521		
10010.5	6.0612	-0.0638	-0.619	7.6234	6.3275	7.6234	10.9399	37,162		
10011	6.0546	-0.0704	-0.8387	7.352	6.0397	7.352	10.599	35,839		
10011.5	6.0949	-0.0301	-1.4764	6.5461	5.1778	6.5461	9.579	31,910		
10012	6.0839	-0.0411	-1.6239	5.7971	4.3582	5.7971	8.6253	28,259		
10012.5	6.0878	-0.0372	-0.0557	5.696	4.2471	5.696	8.4963	27,766		
10013	6.0842	-0.0408	0.304	5.8187	4.382	5.8187	8.6528	28,364		
10013.5	6.0995	-0.0255	0.8086	5.9869	4.5682	5.9869	8.8672	29,184		
10014	6.0931	-0.0319	0.8061	5.9854	4.566	5.9854	8.8654	29,177		
10014.5	6.0975	-0.0275	1.6447	5.9753	4.5553	5.9753	8.8525	29,128		
10015	6.0913	-0.0337	2.8816	6.355	4.9698	6.355	9.336	30,979		
10015.5	6.0819	-0.0431	3.7666	6.7752	5.4243	6.7752	9.8698	33,027		
10016	6.0984	-0.0266	1.2004	7.0128	5.6811	7.0128	10.1704	34,185		
10016.5	6.0878	-0.0372	0.8063	7.0334	5.7023	7.0334	10.1966	34,286		
10017	6.0975	-0.0275	-0.1092	7.0077	5.6755	7.0077	10.1639	34,161		
10017.5	6.0895	-0.0355	0.699	7.119	5.794	7.119	10.3047	34,703		
10018	6.0895	-0.0355	0.0074	7.0051	5.672	7.0051	10.1607	34,148		
10018.5	6.0807	-0.0443	0.4659	6.9632	5.6263	6.9632	10.1078	33,944		
10019	6.0956	-0.0294	1.364	7.1072	5.7819	7.1072	10.2897	34,646		
10019.5	6.0824	-0.0426	3.4184	7.5075	6.2066	7.5075	10.7941	36,597		
10020	6.0913	-0.0337	2.2471	8.3824	7.1215	8.3824	11.8856	40,862		
10020.5	6.08	-0.045	3.7521	9.1175	7.8708	9.1175	12.7897	44,445		
10021	6.0789	-0.0461	2.6281	9.9807	8.7298	9.9807	13.8334	48,653		
10021.5	6.0878	-0.0372	5.0214	10.0676	8.8154	10.0676	13.9369	49,077		
10022	6.0753	-0.0497	4.5589	10.0021	8.7508	10.0021	13.8592	48,757		
10022.5	6.0807	-0.0443	3.6267	9.8437	8.5952	9.8437	13.6691	47,985		
10023	6.0858	-0.0392	1.6404	10.091	8.8381	10.091	13.9649	49,191		
10023.5	6.0807	-0.0443	2.9028	10.5376	9.2717	10.5376	14.4956	51,368		
10024	6.0842	-0.0408	4.0143	10.4638	9.2006	10.4638	14.4081	51,008		
10024.5	6.0956	-0.0294	4.1043	10.1747	8.9203	10.1747	14.0642	49,599		



10025	6.0913	-0.0337	3.2201	9.5006	8.2555	9.5006	13.2549	46,313		
10025.5	6.1073	-0.0177	2.982	8.562	7.3072	8.562	12.1071	41,737		
10026	6.102	-0.023	3.4887	7.6199	6.3267	7.6199	10.9349	37,145		
10026.5	6.1091	-0.0159	3.0239	6.6622	5.3045	6.6622	9.7262	32,476		
10027	6.1055	-0.0195	3.1169	6.3038	4.9152	6.3038	9.2708	30,729		
10027.5	6.1053	-0.0197	2.3948	6.3351	4.9494	6.3351	9.3107	30,882		
10028	6.0949	-0.0301	0.3303	7.0027	5.6698	7.0027	10.1576	34,136		
10028.5	6.1197	-0.0053	0.0028	7.7371	6.4514	7.7371	11.0814	37,716		
10029	6.0897	-0.0353	-0.5104	8.1845	6.9165	8.1845	11.6401	39,897		
10029.5	6.1073	-0.0177	1.2597	7.7776	6.4931	7.7776	11.1324	37,914		
10030	6.1151	-0.0099	0.4321	7.1178	5.7947	7.1178	10.3028	34,697		
10038	6.1073	-0.0177	-6.1947	6.8494	5.506	6.8494	9.9635	33,389		Council Grove
10038.5	6.0917	-0.0333	-2.9039	7.5809	6.2846	7.5809	10.8862	36,955		
10039	6.1091	-0.0159	-2.1991	7.8135	6.5306	7.8135	11.1772	38,089		
10039.5	6.0949	-0.0301	-2.6349	7.8285	6.5453	7.8285	11.1963	38,162		
10040	6.1053	-0.0197	-2.4725	8.5404	7.2847	8.5404	12.0807	41,632		
10040.5	6.1144	-0.0106	1.3436	9.494	8.2498	9.494	13.2462	46,281		
10041	6.0995	-0.0255	1.9746	9.8071	8.5596	9.8071	13.6245	47,807		
10041.5	6.0949	-0.0301	1.2961	9.1574	7.9115	9.1574	12.838	44,640		
10042	6.1073	-0.0177	-0.6407	8.5317	7.2757	8.5317	12.0698	41,590		
10042.5	6.0995	-0.0255	-2.3383	8.2136	6.947	8.2136	11.6761	40,039		
10043	6.1126	-0.0124	-2.5638	7.9984	6.7241	7.9984	11.408	38,990		
10043.5	6.1091	-0.0159	-5.828	7.9025	6.6237	7.9025	11.2885	38,522		
10044	6.0956	-0.0294	-3.9703	8.0908	6.8192	8.0908	11.5236	39,440		
10044.5	6.102	-0.023	-1.3095	8.2877	7.0238	8.2877	11.768	40,400		
10045	6.1092	-0.0158	0.9056	8.3952	7.1354	8.3952	11.9011	40,924		
10045.5	6.102	-0.023	4.4373	8.1535	6.8847	8.1535	11.6014	39,746		
10046	6.1126	-0.0124	4.3892	7.9905	6.7158	7.9905	11.3982	38,951		
10046.5	6.1385	0.0135	1.2796	7.6849	6.3974	7.6849	11.0159	37,462		
10047	6.1516	0.0266	-5.1346	7.467	6.1684	7.467	10.7423	36,399		
10047.5	6.0753	-0.0497	-5.7836	7.2026	5.8815	7.2026	10.4104	35,111		
10048	6.0741	-0.0509	-5.5093	7.1324	5.8064	7.1324	10.3218	34,768		
10048.5	6.0741	-0.0509	-6.5616	7.0291	5.6958	7.0291	10.1914	34,265		
10049	6.0576	-0.0674	-6.0998	6.4734	5.0948	6.4734	9.487	31,556		

10049.5	6.0612	-0.0638	-4.1471	5.9256	4.4965	5.9256	8.7893	28,886		
10050	6.0682	-0.0568	-5.7441	5.4292	3.9491	5.4292	8.1559	26,466		
10050.5	6.0771	-0.0479	-4.4685	5.466	3.9909	5.466	8.2028	26,645		
10051	6.0682	-0.0568	-2.5523	5.4943	4.0213	5.4943	8.239	26,783		
10051.5	6.0507	-0.0743	-2.0917	5.6303	4.1701	5.6303	8.4127	27,446		
10052	6.0665	-0.0585	-0.0226	5.745	4.2981	5.745	8.559	28,005		
10052.5	6.0629	-0.0621	-2.0707	6.2581	4.8608	6.2581	9.213	30,506		
10053	6.0604	-0.0646	-0.8486	6.5691	5.1988	6.5691	9.6085	32,022		
10053.5	6.0558	-0.0692	-1.5994	6.6327	5.2672	6.6327	9.6893	32,332		
10054	6.0546	-0.0704	-3.4926	6.4227	5.0394	6.4227	9.4226	31,309		
10054.5	6.0736	-0.0514	-4.1868	6.473	5.0957	6.473	9.4863	31,554		
10055	6.0624	-0.0626	-4.0386	6.7264	5.3692	6.7264	9.8082	32,789		
10055.5	6.0771	-0.0479	-3.1845	6.6312	5.2675	6.6312	9.6872	32,325		
10056	6.0682	-0.0568	-2.6658	6.346	4.9571	6.346	9.3249	30,935		
10056.5	6.0741	-0.0509	-3.0678	5.9479	4.5221	5.9479	8.8177	28,994		
10057	6.0647	-0.0603	-3.3516	5.6739	4.2195	5.6739	8.4682	27,659		
10057.5	6.0624	-0.0626	-3.8174	5.7189	4.2691	5.7189	8.5257	27,878		
10058	6.07	-0.055	-4.8406	5.9851	4.5625	5.9851	8.8651	29,176		
10080	6.0541	-0.0709	-3.0141	7.7713	6.4817	7.7713	11.1256	37,883		
10080.5	6.0507	-0.0743	-2.1943	7.9087	6.6255	7.9087	11.2975	38,553		
10081	6.0487	-0.0763	-1.6031	7.7968	6.5081	7.7968	11.1576	38,007		
10081.5	6.0505	-0.0745	-0.3129	7.6396	6.3428	7.6396	10.9606	37,241		
10082	6.0448	-0.0802	-0.0724	7.3745	6.0616	7.3745	10.6276	35,949		
10082.5	6.0487	-0.0763	-0.4815	6.7035	5.3429	6.7035	9.7793	32,678		
10083	6.0541	-0.0709	-3.5405	6.0232	4.6025	6.0232	8.9138	29,361		
10083.5	6.0558	-0.0692	-7.2546	5.5117	4.0389	5.5117	8.2612	26,868		
10084	6.0507	-0.0743	-8.9424	5.1772	3.6669	5.1772	7.8343	25,237		
10092	6.0576	-0.0674	-4.0377	6.5608	5.189	6.5608	9.598	31,982		
10092.5	6.0507	-0.0743	-4.0244	7.2107	5.8875	7.2107	10.421	35,150		
10093	6.0558	-0.0692	-2.6891	7.3508	6.0371	7.3508	10.5976	35,833		
10093.5	6.0505	-0.0745	-3.0286	7.401	6.09	7.401	10.6608	36,078		
10094	6.0468	-0.0782	-1.5981	7.0691	5.7359	7.0691	10.2423	34,460		
10094.5	6.047	-0.078	-3.2496	6.7397	5.3815	6.7397	9.8251	32,854		
10095	6.0452	-0.0798	-4.7402	6.458	5.0762	6.458	9.4675	31,481		

10095.5	6.0487	-0.0763	-6.2005	6.8204	5.4687	6.8204	9.9274	33,247		
10096	6.0422	-0.0828	-2.8959	8.0374	6.7593	8.0374	11.4582	39,180		
10096.5	6.0487	-0.0763	0.2221	10.1584	8.9021	10.1584	14.0478	49,519		
10097	6.0546	-0.0704	4.1075	12.665	11.257	12.665	16.9454	61,738		
10097.5	6.0487	-0.0763	7.4075	15.0297	13.3278	15.0297	19.5127	73,265		
10098	6.0523	-0.0727	8.0095	15.5278	13.7487	15.5278	20.0335	75,694		
10098.5	6.0541	-0.0709	6.1651	14.7541	13.0926	14.7541	19.2209	71,922		
10099	6.047	-0.078	3.6285	13.7034	12.1823	13.7034	18.0926	66,800		
10099.5	6.0487	-0.0763	2.2899	13.212	11.7477	13.212	17.5538	64,405		
10100	6.0665	-0.0585	3.9957	12.3218	10.9451	12.3218	16.5585	60,065		
10100.5	6.0558	-0.0692	3.7668	10.8767	9.5961	10.8767	14.8968	53,021		
10101	6.0585	-0.0665	2.2513	9.7858	8.5364	9.7858	13.601	47,703		
10101.5	6.0718	-0.0532	0.4476	9.8363	8.5868	9.8363	13.661	47,949		
10102	6.0665	-0.0585	2.8288	10.5714	9.3035	10.5714	14.5369	51,533		
10102.5	6.065	-0.06	4.7566	11.0405	9.7522	11.0405	15.0877	53,819		
10103	6.0507	-0.0743	4.9401	10.2265	8.9686	10.2265	14.1288	49,851		
10103.5	6.0585	-0.0665	3.3332	9.0306	7.781	9.0306	12.6847	44,022		
10104	6.0718	-0.0532	2.061	7.894	6.6114	7.894	11.2786	38,481		
10104.5	6.0541	-0.0709	0.4664	7.156	5.8293	7.156	10.3519	34,883		
10105	6.0565	-0.0685	-0.9893	6.8261	5.4755	6.8261	9.9345	33,275		
10105.5	6.07	-0.055	-2.3637	6.6884	5.3281	6.6884	9.7599	32,604		
10106	6.0594	-0.0656	-2.7732	6.9904	5.6523	6.9904	10.1426	34,076		Council Grove
10196	6.0741	-0.0509	-1.371	8.0495	6.7741	8.0495	11.4724	39,239		Virgil
10196.5	6.0663	-0.0587	-3.6313	6.4379	5.0563	6.4379	9.4415	31,383		
10197	6.0736	-0.0514	-1.2654	6.1178	4.7077	6.1178	9.034	29,823		
10197.5	6.0741	-0.0509	2.256	6.3801	4.9942	6.3801	9.368	31,101		
10198	6.0682	-0.0568	5.2484	6.1589	4.7522	6.1589	9.0863	30,023		
10198.5	6.0722	-0.0528	5.182	5.6967	4.2447	5.6967	8.497	27,770		
10199	6.0682	-0.0568	3.9616	4.674	3.1064	4.674	7.1921	22,784		
10199.5	6.0839	-0.0411	1.6344	3.9171	2.2568	3.9171	6.2304	19,095		
10200	6.0789	-0.0461	-1.0305	3.4935	1.7781	3.4935	5.6958	17,030		Virgil
10244	6.039	-0.086	-4.8634	6.3442	4.9524	6.3442	9.3223	30,926		Virgil
10244.5	6.0257	-0.0993	-3.3503	7.141	5.8116	7.141	10.3329	34,810		
10245	6.0312	-0.0938	-2.3258	7.7228	6.4293	7.7228	11.0647	37,646		

10245.5	6.0239	-0.1011	-0.8021	8.1097	6.8337	8.1097	11.5481	39,532		
10246	6.0175	-0.1075	0.0922	8.3064	7.0375	8.3064	11.7928	40,491		
10246.5	6.0239	-0.1011	-0.4662	8.1746	6.9013	8.1746	11.6289	39,849		
10247	6.039	-0.086	-1.3676	8.0612	6.7843	8.0612	11.4874	39,296		
10247.5	6.0345	-0.0905	-3.8703	7.8927	6.6079	7.8927	11.2772	38,475		
10248	6.037	-0.088	-3.7305	8.3364	7.0698	8.3364	11.8295	40,638		
10248.5	6.039	-0.086	0.8175	9.7242	8.475	9.7242	13.527	47,403		
10249	6.0257	-0.0993	4.687	11.3381	10.0331	11.3381	15.4357	55,270		
10249.5	6.0214	-0.1036	6.9213	12.8882	11.4585	12.8882	17.1967	62,826		
10250	6.0257	-0.0993	7.2402	13.6064	12.0974	13.6064	17.9882	66,327		
10250.5	6.0214	-0.1036	9.3296	15.1597	13.4393	15.1597	19.6522	73,899		
10251	6.0292	-0.0958	11.8047	16.8679	14.8619	16.8679	21.4081	82,226		
10251.5	6.0155	-0.1095	12.4818	18.1139	15.8747	18.1139	22.6497	88,300		
10252	6.0312	-0.0938	10.4292	18.0167	15.7952	18.0167	22.5512	87,826		
10252.5	6.0399	-0.0851	8.1298	16.8843	14.8746	16.8843	21.4227	82,306		
10253	6.0526	-0.0724	7.3613	15.6325	13.8365	15.6325	20.141	76,204		
10253.5	6.0399	-0.0851	8.1932	14.2955	12.6986	14.2955	18.7325	69,686		
10254	6.039	-0.086	7.522	13.1697	11.7102	13.1697	17.5069	64,198		
10254.5	6.0363	-0.0887	7.0339	13.0994	11.6476	13.0994	17.4297	63,856		
10255	6.0468	-0.0782	7.6496	14.057	12.4914	14.057	18.4749	68,524		
10255.5	6.047	-0.078	7.9982	15.1202	13.4046	15.1202	19.6071	73,707		
10256	6.037	-0.088	7.42	14.2866	12.6909	14.2866	18.7233	69,643		
10256.5	6.0487	-0.0763	4.0418	13.5499	12.0472	13.5499	17.924	66,052		
10257	6.0523	-0.0727	5.7524	13.4579	11.9658	13.4579	17.8228	65,603		
10257.5	6.0468	-0.0782	9.5453	15.381	13.6252	15.381	19.8801	74,978		
10258	6.0381	-0.0869	13.8555	16.9962	14.9665	16.9962	21.536	82,852		
10258.5	6.0468	-0.0782	13.6377	17.9051	15.7041	17.9051	22.4385	87,282		
10259	6.039	-0.086	11.9325	17.2766	15.1953	17.2766	21.8168	84,218		
10259.5	6.0363	-0.0887	8.8906	15.4109	13.651	15.4109	19.9131	75,124		
10260	6.0468	-0.0782	5.9383	13.3376	11.8594	13.3376	17.6915	65,017		
10260.5	6.0523	-0.0727	3.6436	11.7471	10.4159	11.7471	15.9052	57,264		
10261	6.0448	-0.0802	2.8201	11.1568	9.8623	11.1568	15.224	54,386		
10261.5	6.047	-0.078	2.5369	11.062	9.7725	11.062	15.1133	53,924		
10262	6.0292	-0.0958	2.3913	11.11	9.8176	11.11	15.1704	54,158		

10262.5	6.0429	-0.0821	2.8842	11.2967	9.9944	11.2967	15.3866	55,068		
10263	6.039	-0.086	3.0198	11.7269	10.397	11.7269	15.883	57,165		
10263.5	6.0409	-0.0841	4.2671	12.5389	11.143	12.5389	16.8046	61,124		
10264	6.047	-0.078	5.333	13.8036	12.2702	13.8036	18.2009	67,289		
10264.5	6.0507	-0.0743	8.9725	15.4445	13.6787	15.4445	19.9463	75,287		
10265	6.0452	-0.0798	11.4315	17.0427	15.0042	17.0427	21.5817	83,078		
10265.5	6.039	-0.086	10.8459	17.4379	15.3266	17.4379	21.9778	85,005		
10266	6.0409	-0.0841	9.4167	17.5137	15.388	17.5137	22.0529	85,374		
10266.5	6.0487	-0.0763	8.1423	17.2303	15.1569	17.2303	21.7689	83,993		
10267	6.0448	-0.0802	7.7061	16.507	14.5644	16.507	21.0406	80,467		
10267.5	6.0416	-0.0834	6.3648	15.5605	13.7767	15.5605	20.0683	75,853		
10268	6.0487	-0.0763	7.6417	15.0843	13.3742	15.0843	19.5695	73,532		
10268.5	6.0565	-0.0685	8.84	15.9026	14.0624	15.9026	20.4202	77,521		
10269	6.0541	-0.0709	11.1455	16.7715	14.7814	16.7715	21.3071	81,756		
10269.5	6.0429	-0.0821	12.1029	16.7532	14.7672	16.7532	21.2906	81,667		
10270	6.0541	-0.0709	12.4917	15.8818	14.0453	15.8818	20.3995	77,419		
10270.5	6.0663	-0.0587	9.1927	14.369	12.7613	14.369	18.8084	70,045		
10271	6.0416	-0.0834	6.958	13.2547	11.7859	13.2547	17.601	64,613		
10271.5	6.0429	-0.0821	3.2187	11.9465	10.6006	11.9465	16.1341	58,236		
10272	6.0643	-0.0607	2.8006	10.3623	9.1014	10.3623	14.2892	50,513		
10272.5	6.0452	-0.0798	-1.2005	8.9302	7.6786	8.9302	12.5617	43,532		
10273	6.0585	-0.0665	-0.8405	8.4359	7.1736	8.4359	11.9523	41,123		
10273.5	6.0546	-0.0704	-0.4736	9.0001	7.75	9.0001	12.6471	43,873		
10274	6.0576	-0.0674	1.1855	9.5419	8.2944	9.5419	13.3063	46,514		
10274.5	6.0558	-0.0692	0.6387	9.6159	8.368	9.6159	13.3958	46,875		
10275	6.0526	-0.0724	-0.7753	9.5637	8.3159	9.5637	13.3329	46,620		
10275.5	6.0546	-0.0704	0.8021	9.9569	8.7049	9.9569	13.8062	48,537		
10276	6.0629	-0.0621	1.1809	10.2018	8.945	10.2018	14.0985	49,731		
10276.5	6.0487	-0.0763	1.5954	10.2728	9.0137	10.2728	14.1837	50,077		
10277	6.0434	-0.0816	0.3744	9.9791	8.7262	9.9791	13.8334	48,645		
10277.5	6.0351	-0.0899	-1.9081	9.5929	8.3441	9.5929	13.369	46,763		
10278	6.0351	-0.0899	-4.4108	9.4697	8.2212	9.4697	13.2198	46,162		
10278.5	6.031	-0.094	-4.4251	9.6549	8.4054	9.6549	13.444	47,065		
10279	6.0097	-0.1153	-2.634	10.811	9.5321	10.811	14.8222	52,701		

10279.5	5.9671	-0.1579	2.0916	11.8709	10.5675	11.8709	15.9436	57,867		
10280	5.9667	-0.1583	3.3783	12.6796	11.3106	12.6796	16.8614	61,809		
10280.5	5.957	-0.168	5.78	13.0414	11.6375	13.0414	17.2658	63,573		
10281	5.9617	-0.1633	6.5076	13.7725	12.2871	13.7725	18.0709	67,137		
10281.5	5.9667	-0.1583	7.0537	14.5222	12.9398	14.5222	18.8804	70,792		
10282	5.9617	-0.1633	7.3394	15.115	13.4478	15.115	19.5101	73,681		
10282.5	5.9628	-0.1622	7.6167	15.247	13.5598	15.247	19.6489	74,325		
10283	5.9742	-0.1508	8.0069	15.6559	13.9041	15.6559	20.0755	76,318		
10283.5	5.9667	-0.1583	6.9377	15.7001	13.9417	15.7001	20.1219	76,533		
10284	5.9777	-0.1473	6.8962	15.8841	14.0949	15.8841	20.3115	77,430		
10284.5	5.9687	-0.1563	7.3949	15.5085	13.7804	15.5085	19.9223	75,599		
10285	5.9582	-0.1668	6.7395	15.2011	13.5212	15.2011	19.6012	74,101		
10285.5	5.955	-0.17	7.8222	15.036	13.381	15.036	19.4273	73,296		
10286	5.9617	-0.1633	7.2443	15.1893	13.511	15.1893	19.5886	74,043		
10286.5	5.9491	-0.1759	7.3301	15.339	13.6387	15.339	19.7466	74,773		
10287	5.955	-0.17	7.289	15.4559	13.7371	15.4559	19.8685	75,343		
10287.5	5.9564	-0.1686	8.3359	15.5478	13.8145	15.5478	19.9644	75,791		
10288	5.9667	-0.1583	7.5159	15.5758	13.8373	15.5758	19.9928	75,928		
10288.5	5.9823	-0.1427	7.7756	15.1235	13.4538	15.1235	19.5182	73,723		
10289	5.9919	-0.1331	8.0696	15.2535	13.5636	15.2535	19.6545	74,356		
10289.5	5.998	-0.127	9.2462	15.7703	13.9985	15.7703	20.1929	76,876		
10290	5.9862	-0.1388	8.5128	16.0155	14.2042	16.0155	20.4472	78,071		
10290.5	6.0061	-0.1189	9.4306	15.5109	13.7374	15.5109	20.0238	75,611		
10291	6.0312	-0.0938	8.0176	14.9886	13.2941	14.9886	19.4727	73,065		
10291.5	6.0312	-0.0938	10.233	15.6521	13.8548	15.6521	20.1667	76,299		
10292	6.0312	-0.0938	10.4036	16.9263	14.9107	16.9263	21.4692	82,511		
10292.5	6.0363	-0.0887	12.7905	17.997	15.7801	17.997	22.5337	87,730		
10293	6.0292	-0.0958	12.1834	18.3934	16.0995	18.3934	22.9234	89,663		
10293.5	6.0331	-0.0919	13.364	18.0932	15.8579	18.0932	22.6289	88,199		
10294	6.039	-0.086	11.7805	16.8314	14.8323	16.8314	21.3721	82,048		
10294.5	6.0526	-0.0724	10.6649	14.7755	13.1115	14.7755	19.2446	72,026		
10295	6.0523	-0.0727	7.5569	12.6551	11.2482	12.6551	16.935	61,690		
10295.5	6.0448	-0.0802	5.6153	10.9606	9.6757	10.9606	14.9959	53,430		
10296	6.0487	-0.0763	2.5258	10.1114	8.8559	10.1114	13.9918	49,290		

10296.5	6.0526	-0.0724	1.2454	9.6392	8.3905	9.6392	13.4244	46,988		
10297	6.0468	-0.0782	0.6643	9.2708	8.0222	9.2708	12.9781	45,192		
10297.5	6.0541	-0.0709	0.6482	8.7762	7.5217	8.7762	12.3726	42,781		
10298	6.078	-0.047	-0.0277	8.1764	6.9057	8.1764	11.6303	39,858		
10298.5	6.0741	-0.0509	-1.9041	7.6698	6.3754	7.6698	10.9978	37,388		
10299	6.0643	-0.0607	-2.6077	7.2471	5.9266	7.2471	10.4664	35,328		
10299.5	6.0718	-0.0532	-2.0366	7.0095	5.6731	7.0095	10.1662	34,169		
10300	6.0761	-0.0489	-2.0644	6.8798	5.5341	6.8798	10.002	33,537		
10300.5	6.0702	-0.0548	-2.7576	6.2577	4.8593	6.2577	9.212	30,504		
10301	6.0858	-0.0392	-4.9536	5.5296	4.0603	5.5296	8.2835	26,955		
10301.5	6.0824	-0.0426	-6.0605	4.7364	3.1765	4.7364	7.2713	23,089		
10302	6.0643	-0.0607	-7.8926	4.3057	2.6913	4.3057	6.7233	20,989	Virgil	
10514	6.0331	-0.0919	1.8145	4.1773	0.3893	2.2717	4.1773	11,074	Fountain	
10514.5	6.0351	-0.0899	0.3863	3.6835	-0.0657	1.8669	3.6835	9,101		
10515	6.0546	-0.0704	0.0315	3.8188	0.0617	1.9785	3.8188	9,645		
10515.5	6.0546	-0.0704	0.4604	4.0036	0.2321	2.1301	4.0036	10,384		
10516	6.0507	-0.0743	0.0422	4.0892	0.3105	2.2	4.0892	10,724		
10516.5	6.0663	-0.0587	-0.5823	4.0683	0.2931	2.1832	4.0683	10,642		
10517	6.0604	-0.0646	-0.115	4.0702	0.2941	2.1847	4.0702	10,650		
10517.5	6.0552	-0.0698	0.7907	4.1102	0.3302	2.2173	4.1102	10,809		
10518	6.0526	-0.0724	0.9362	4.0302	0.2564	2.1519	4.0302	10,490		
10518.5	6.0624	-0.0626	0.5874	3.7202	-0.0286	1.8975	3.7202	9,250		
10519	6.0722	-0.0528	-0.6211	3.4731	-0.2563	1.6937	3.4731	8,256		
10519.5	6.0663	-0.0587	-1.0011	3.332	-0.3882	1.5764	3.332	7,684		
10520	6.0702	-0.0548	0.2767	3.3031	-0.4145	1.5525	3.3031	7,568		
10520.5	6.0704	-0.0546	-0.2006	3.4113	-0.3139	1.6424	3.4113	8,006		
10521	6.0468	-0.0782	-0.6468	3.7802	0.0251	1.9467	3.7802	9,490		
10521.5	6.0429	-0.0821	-0.6428	4.945	1.0914	2.8932	4.945	14,104		
10522	6.0604	-0.0646	-1.7666	6.6063	2.584	4.2137	6.6063	20,541		
10522.5	6.0604	-0.0646	-1.2197	8.3812	4.1394	5.6062	8.3812	27,329		
10523	6.0585	-0.0665	-2.6681	9.4908	5.0941	6.4769	9.4908	31,573		
10523.5	6.0448	-0.0802	-1.2188	10.0439	5.5641	6.9126	10.0439	33,697		
10524	6.0409	-0.0841	-0.28	10.1225	5.6304	6.9747	10.1225	34,000		
10524.5	6.0312	-0.0938	1.0272	9.2445	4.8805	6.283	9.2445	30,628		

10525	6.0565	-0.0685	-0.7238	8.369	4.1284	5.5966	8.369	27,282		
10525.5	6.0624	-0.0626	-2.586	7.8606	3.6871	5.1984	7.8606	25,341		
10526	6.0604	-0.0646	-3.8781	7.9572	3.771	5.274	7.9572	25,709		
10526.5	6.0663	-0.0587	-2.2066	8.5576	4.2926	5.7445	8.5576	28,003		
10527	6.0585	-0.0665	-2.3368	9.7203	5.2899	6.6575	9.7203	32,453		
10527.5	6.0487	-0.0763	-3.573	11.6419	6.9104	8.185	11.6419	39,900		
10528	6.08	-0.045	-5.8484	14.1331	8.9719	10.2302	14.1331	49,869		Fountain