

Appendix C, Attachment C-2: 2016 Vegetation Changes in Sandia Canyon Reach S-2 Survey Data

Date Surveyed	Y	X	Z
24-Oct-16	1773571.294	1622191.462	7220.795
24-Oct-16	1773566.891	1622189.444	7219.646
24-Oct-16	1773560.402	1622189.827	7219.286
24-Oct-16	1773554.851	1622195.667	7220.304
24-Oct-16	1773544.728	1622206.358	7221.820
24-Oct-16	1773538.743	1622205.495	7220.855
24-Oct-16	1773531.495	1622203.651	7219.284
24-Oct-16	1773527.568	1622202.723	7217.965
24-Oct-16	1773524.974	1622204.934	7217.967
26-Oct-16	1773305.962	1622523.220	7210.356
26-Oct-16	1773301.610	1622516.171	7210.641
26-Oct-16	1773298.324	1622501.596	7209.842
26-Oct-16	1773297.754	1622491.161	7210.092
26-Oct-16	1773298.768	1622481.252	7210.074
26-Oct-16	1773297.385	1622471.410	7210.509
26-Oct-16	1773300.019	1622465.700	7210.633
26-Oct-16	1773306.000	1622460.586	7210.791
26-Oct-16	1773311.615	1622455.554	7211.063
26-Oct-16	1773316.011	1622445.950	7211.448
26-Oct-16	1773313.622	1622432.505	7211.078
26-Oct-16	1773313.163	1622428.721	7211.053
26-Oct-16	1773308.714	1622420.152	7211.112
26-Oct-16	1773306.668	1622413.633	7211.181
26-Oct-16	1773307.778	1622402.460	7211.253
26-Oct-16	1773304.622	1622399.896	7211.356
26-Oct-16	1773305.538	1622395.119	7211.340
26-Oct-16	1773306.683	1622389.930	7211.203
26-Oct-16	1773307.808	1622387.325	7211.241
26-Oct-16	1773313.610	1622380.457	7211.084
26-Oct-16	1773317.262	1622373.809	7211.531
26-Oct-16	1773321.036	1622366.018	7211.603
26-Oct-16	1773321.993	1622360.487	7211.273
26-Oct-16	1773325.461	1622356.000	7211.773
26-Oct-16	1773324.061	1622351.291	7212.075
26-Oct-16	1773332.934	1622347.725	7211.893
26-Oct-16	1773340.323	1622342.663	7212.530
26-Oct-16	1773343.042	1622339.998	7212.563
26-Oct-16	1773344.052	1622338.029	7212.632
26-Oct-16	1773354.591	1622335.001	7213.161
26-Oct-16	1773359.073	1622330.513	7213.327
26-Oct-16	1773361.191	1622329.614	7213.226
26-Oct-16	1773365.043	1622329.014	7213.128
26-Oct-16	1773368.538	1622326.283	7213.272
26-Oct-16	1773376.251	1622319.603	7213.425

26-Oct-16	1773378.225	1622318.680	7213.721
26-Oct-16	1773380.112	1622315.401	7213.963
26-Oct-16	1773383.654	1622313.562	7214.070
26-Oct-16	1773387.852	1622309.925	7214.175
26-Oct-16	1773392.709	1622306.031	7213.603
26-Oct-16	1773397.497	1622296.186	7214.246
26-Oct-16	1773405.795	1622290.466	7214.998
26-Oct-16	1773416.236	1622283.162	7215.207
26-Oct-16	1773421.981	1622277.524	7215.489
26-Oct-16	1773423.610	1622273.104	7215.374
26-Oct-16	1773431.697	1622265.559	7215.653
26-Oct-16	1773441.118	1622258.369	7215.809
26-Oct-16	1773447.170	1622252.559	7215.702
26-Oct-16	1773447.363	1622244.443	7215.604
26-Oct-16	1773447.404	1622244.438	7215.627
26-Oct-16	1773449.143	1622239.731	7215.833
26-Oct-16	1773455.345	1622232.443	7215.835
26-Oct-16	1773463.619	1622228.450	7216.043
26-Oct-16	1773469.160	1622224.899	7216.278
26-Oct-16	1773475.520	1622225.052	7216.503
26-Oct-16	1773482.175	1622223.210	7216.606
26-Oct-16	1773486.859	1622223.988	7216.670
26-Oct-16	1773488.256	1622223.039	7216.470
26-Oct-16	1773493.121	1622218.718	7216.619
26-Oct-16	1773492.498	1622213.469	7216.968
26-Oct-16	1773491.378	1622208.655	7216.561
26-Oct-16	1773493.782	1622206.793	7217.014
26-Oct-16	1773497.652	1622201.153	7217.036
26-Oct-16	1773502.242	1622197.955	7217.105
26-Oct-16	1773511.483	1622189.607	7216.708
26-Oct-16	1773509.862	1622187.025	7217.255
26-Oct-16	1773503.499	1622181.420	7216.987
26-Oct-16	1773503.842	1622178.340	7217.009
26-Oct-16	1773502.871	1622174.966	7216.801
26-Oct-16	1773496.009	1622165.982	7217.221
26-Oct-16	1773495.213	1622163.282	7217.156
26-Oct-16	1773503.270	1622155.028	7216.862
26-Oct-16	1773511.715	1622153.831	7217.540
26-Oct-16	1773515.845	1622157.432	7218.228
26-Oct-16	1773524.752	1622159.342	7217.336
26-Oct-16	1773526.433	1622163.458	7218.003
26-Oct-16	1773530.328	1622164.520	7217.720
26-Oct-16	1773534.329	1622167.234	7217.471
26-Oct-16	1773538.174	1622169.895	7217.964
26-Oct-16	1773539.168	1622171.399	7217.669
26-Oct-16	1773534.912	1622176.557	7217.910
26-Oct-16	1773530.161	1622178.777	7217.956

26-Oct-16	1773532.430	1622183.791	7217.601
26-Oct-16	1773535.380	1622187.752	7217.887
26-Oct-16	1773540.616	1622186.725	7217.789
26-Oct-16	1773545.780	1622176.565	7217.726
26-Oct-16	1773547.883	1622174.404	7217.147
26-Oct-16	1773553.799	1622175.060	7217.807
26-Oct-16	1773562.767	1622177.821	7216.877
26-Oct-16	1773575.418	1622175.693	7218.598
26-Oct-16	1773591.742	1622158.461	7218.762
26-Oct-16	1773600.813	1622148.548	7218.634
26-Oct-16	1773614.354	1622141.427	7219.187
26-Oct-16	1773623.400	1622137.361	7218.730
26-Oct-16	1773628.558	1622130.675	7219.282
26-Oct-16	1773634.746	1622122.617	7219.038
26-Oct-16	1773639.760	1622114.366	7219.267
26-Oct-16	1773643.378	1622108.433	7219.474
26-Oct-16	1773647.484	1622098.540	7219.885
26-Oct-16	1773642.952	1622088.590	7219.808
26-Oct-16	1773647.348	1622081.051	7220.239
26-Oct-16	1773652.084	1622077.105	7220.537
26-Oct-16	1773659.882	1622070.846	7221.113
26-Oct-16	1773665.216	1622071.201	7221.545
26-Oct-16	1773658.021	1622080.083	7220.671
26-Oct-16	1773658.833	1622091.789	7221.309
26-Oct-16	1773653.741	1622107.391	7221.278
26-Oct-16	1773640.908	1622124.754	7220.717
26-Oct-16	1773634.496	1622136.974	7221.253
26-Oct-16	1773622.477	1622150.551	7221.093
26-Oct-16	1773609.237	1622165.489	7221.751
26-Oct-16	1773603.795	1622166.975	7221.322
26-Oct-16	1773597.208	1622168.747	7220.396
26-Oct-16	1773593.119	1622172.857	7220.668
26-Oct-16	1773592.628	1622177.095	7220.842
26-Oct-16	1773583.883	1622185.821	7221.192
26-Oct-16	1773578.773	1622189.131	7220.805
26-Oct-16	1773571.315	1622191.391	7220.822
26-Oct-16	1773559.992	1622189.624	7219.017
26-Oct-16	1773554.302	1622195.538	7220.171
26-Oct-16	1773549.646	1622194.398	7219.379
26-Oct-16	1773537.259	1622206.634	7221.221
26-Oct-16	1773529.602	1622214.500	7220.577
26-Oct-16	1773503.941	1622240.045	7219.066
26-Oct-16	1773503.950	1622240.064	7219.054
26-Oct-16	1773496.834	1622247.896	7218.618
26-Oct-16	1773481.130	1622256.042	7218.535
26-Oct-16	1773481.121	1622256.039	7218.503
26-Oct-16	1773473.491	1622260.256	7218.761

26-Oct-16	1773459.835	1622273.042	7219.202
26-Oct-16	1773454.281	1622284.960	7219.930
26-Oct-16	1773444.686	1622291.399	7218.911
26-Oct-16	1773434.699	1622293.824	7218.732
26-Oct-16	1773431.944	1622302.886	7218.278
26-Oct-16	1773419.420	1622308.660	7216.896
26-Oct-16	1773410.053	1622314.255	7215.850
26-Oct-16	1773402.672	1622323.855	7215.847
26-Oct-16	1773396.543	1622331.760	7216.356
26-Oct-16	1773396.496	1622331.742	7216.346
26-Oct-16	1773390.795	1622336.502	7216.297
26-Oct-16	1773382.523	1622344.509	7216.079
26-Oct-16	1773371.158	1622367.912	7216.305
26-Oct-16	1773363.572	1622385.431	7216.809
26-Oct-16	1773349.324	1622404.086	7216.391
26-Oct-16	1773334.842	1622440.325	7213.769
26-Oct-16	1773331.231	1622459.689	7213.134
26-Oct-16	1773323.826	1622463.996	7211.935
26-Oct-16	1773306.346	1622512.692	7211.166
26-Oct-16	1773333.140	1622522.601	7213.005
26-Oct-16	1773314.176	1622532.358	7212.408
26-Oct-16	1773281.865	1622567.514	7210.031
26-Oct-16	1773289.978	1622570.297	7210.675
26-Oct-16	1773291.523	1622567.516	7210.782
26-Oct-16	1773295.791	1622558.384	7210.682
26-Oct-16	1773298.311	1622545.588	7210.261

Notes

Survey data acquired using real-time kinematic differentially corrected GPS surveying equipment (Topcon GRS-:

1 GPS Receiver with Topcon PG-A5 external antenna mounted on a survey rod)

Appendix C, Attachment C-2: 2016 Vegetation Changes in Sandia Canyon Reach S-2 Survey Data

Date Surveyed	Y	X	Z
24-Oct-16	1773216.682	1622518.920	7210.179
24-Oct-16	1773220.812	1622511.593	7210.365
24-Oct-16	1773223.182	1622504.380	7210.659
24-Oct-16	1773227.461	1622500.477	7210.183
24-Oct-16	1773231.709	1622492.643	7210.172
24-Oct-16	1773233.865	1622489.690	7210.139
24-Oct-16	1773234.229	1622487.629	7210.297
24-Oct-16	1773233.669	1622484.652	7210.527
24-Oct-16	1773234.604	1622480.937	7210.544
24-Oct-16	1773235.776	1622477.560	7210.577
24-Oct-16	1773237.421	1622468.623	7210.641
24-Oct-16	1773240.739	1622465.869	7210.316
24-Oct-16	1773239.507	1622462.328	7210.611
24-Oct-16	1773245.479	1622457.165	7210.422
24-Oct-16	1773250.933	1622456.208	7210.362
24-Oct-16	1773251.548	1622453.851	7210.458
24-Oct-16	1773255.827	1622454.160	7210.366
24-Oct-16	1773257.188	1622455.091	7210.459
24-Oct-16	1773260.318	1622457.039	7210.163
24-Oct-16	1773262.938	1622455.147	7210.417
24-Oct-16	1773263.399	1622449.963	7210.403
24-Oct-16	1773263.400	1622447.157	7210.430
24-Oct-16	1773265.992	1622440.735	7210.428
24-Oct-16	1773266.512	1622437.277	7210.737
24-Oct-16	1773260.906	1622430.854	7210.893
24-Oct-16	1773272.730	1622434.109	7210.426
24-Oct-16	1773277.257	1622429.278	7210.525
24-Oct-16	1773275.260	1622423.984	7210.738
24-Oct-16	1773273.061	1622418.753	7210.906
24-Oct-16	1773272.483	1622412.672	7211.168
24-Oct-16	1773273.317	1622410.358	7211.252
24-Oct-16	1773278.616	1622408.366	7211.049
24-Oct-16	1773279.202	1622403.228	7211.285
24-Oct-16	1773276.581	1622396.624	7210.420
24-Oct-16	1773280.508	1622394.105	7210.849
24-Oct-16	1773283.726	1622392.497	7211.522
24-Oct-16	1773283.850	1622386.815	7211.799
24-Oct-16	1773280.649	1622388.818	7211.818
24-Oct-16	1773280.941	1622387.152	7211.769
24-Oct-16	1773283.788	1622382.063	7211.830
24-Oct-16	1773282.797	1622379.081	7211.789
24-Oct-16	1773280.293	1622378.424	7211.619
24-Oct-16	1773273.537	1622378.649	7211.395
24-Oct-16	1773268.370	1622385.100	7211.321

24-Oct-16	1773263.145	1622382.619	7211.151
24-Oct-16	1773261.171	1622379.490	7211.365
24-Oct-16	1773262.029	1622377.711	7211.283
24-Oct-16	1773265.948	1622375.719	7211.286
24-Oct-16	1773267.618	1622373.526	7211.188
24-Oct-16	1773269.832	1622371.173	7211.140
24-Oct-16	1773269.310	1622369.009	7211.253
24-Oct-16	1773268.058	1622368.194	7211.493
24-Oct-16	1773268.132	1622364.096	7211.650
24-Oct-16	1773268.265	1622362.151	7211.621
24-Oct-16	1773269.559	1622360.218	7211.838
24-Oct-16	1773272.888	1622357.714	7211.720
24-Oct-16	1773273.462	1622356.376	7211.864
24-Oct-16	1773275.562	1622354.324	7212.029
24-Oct-16	1773272.866	1622350.442	7211.965
24-Oct-16	1773274.472	1622347.190	7212.228
24-Oct-16	1773276.146	1622344.810	7212.459
24-Oct-16	1773281.950	1622346.112	7212.292
24-Oct-16	1773281.876	1622340.347	7212.180
24-Oct-16	1773280.123	1622336.292	7212.666
24-Oct-16	1773280.311	1622330.156	7212.945
24-Oct-16	1773282.831	1622324.578	7213.041
24-Oct-16	1773287.163	1622319.904	7213.296
24-Oct-16	1773286.812	1622317.161	7213.399
24-Oct-16	1773283.137	1622316.410	7213.575
24-Oct-16	1773290.172	1622312.501	7213.467
24-Oct-16	1773294.330	1622311.066	7213.407
24-Oct-16	1773298.745	1622310.450	7213.426
24-Oct-16	1773299.526	1622306.066	7213.633
24-Oct-16	1773305.498	1622300.580	7213.834
24-Oct-16	1773304.307	1622297.951	7213.986
24-Oct-16	1773303.436	1622295.101	7214.055
24-Oct-16	1773303.516	1622290.207	7214.205
24-Oct-16	1773308.410	1622282.789	7214.157
24-Oct-16	1773310.313	1622278.944	7214.135
24-Oct-16	1773313.186	1622273.740	7214.729
24-Oct-16	1773317.760	1622273.003	7214.626
24-Oct-16	1773319.990	1622271.650	7214.615
24-Oct-16	1773322.992	1622265.831	7215.024
24-Oct-16	1773326.383	1622259.277	7215.022
24-Oct-16	1773330.408	1622257.017	7215.090
24-Oct-16	1773333.689	1622254.214	7215.267
24-Oct-16	1773338.042	1622252.089	7215.244
24-Oct-16	1773340.188	1622251.013	7215.002
24-Oct-16	1773342.835	1622253.269	7214.865
24-Oct-16	1773344.093	1622251.845	7215.027
24-Oct-16	1773345.351	1622249.437	7215.142

24-Oct-16	1773351.699	1622242.321	7216.182
24-Oct-16	1773355.505	1622238.496	7216.246
24-Oct-16	1773360.083	1622235.747	7215.620
24-Oct-16	1773363.607	1622232.524	7215.668
24-Oct-16	1773365.912	1622229.446	7215.689
24-Oct-16	1773365.067	1622225.505	7215.740
24-Oct-16	1773365.294	1622219.998	7215.872
24-Oct-16	1773367.110	1622214.579	7216.007
24-Oct-16	1773374.993	1622205.453	7216.108
25-Oct-16	1773281.466	1622567.305	7210.108
25-Oct-16	1773284.670	1622563.777	7209.979
25-Oct-16	1773287.263	1622559.342	7210.100
25-Oct-16	1773291.115	1622555.853	7210.248
25-Oct-16	1773295.447	1622548.959	7210.322
25-Oct-16	1773297.332	1622545.065	7210.344
25-Oct-16	1773298.958	1622542.586	7210.600
25-Oct-16	1773300.615	1622538.562	7210.528
25-Oct-16	1773303.136	1622532.276	7210.895
25-Oct-16	1773302.958	1622532.380	7210.508
25-Oct-16	1773303.077	1622526.562	7210.479
25-Oct-16	1773303.344	1622523.425	7210.414
25-Oct-16	1773302.158	1622519.938	7210.517
25-Oct-16	1773302.240	1622516.480	7210.735
25-Oct-16	1773300.921	1622510.687	7210.609
25-Oct-16	1773299.415	1622507.197	7210.362
25-Oct-16	1773300.566	1622504.962	7210.607
25-Oct-16	1773300.393	1622499.479	7210.487
25-Oct-16	1773299.869	1622496.072	7210.718
25-Oct-16	1773301.121	1622493.480	7210.757
25-Oct-16	1773302.976	1622489.531	7211.019
25-Oct-16	1773306.293	1622481.241	7210.326
25-Oct-16	1773308.441	1622473.647	7210.921
25-Oct-16	1773309.357	1622465.737	7210.803
25-Oct-16	1773313.859	1622459.171	7211.342
25-Oct-16	1773313.837	1622459.187	7211.347
25-Oct-16	1773315.689	1622454.850	7211.271
25-Oct-16	1773314.921	1622450.215	7211.207
25-Oct-16	1773316.382	1622441.780	7210.956
25-Oct-16	1773317.764	1622436.813	7211.139
25-Oct-16	1773321.542	1622433.625	7211.434
25-Oct-16	1773319.515	1622425.538	7211.516
25-Oct-16	1773316.059	1622420.054	7211.250
25-Oct-16	1773314.932	1622414.805	7211.615
25-Oct-16	1773314.594	1622410.608	7211.791
25-Oct-16	1773311.956	1622406.540	7211.313
25-Oct-16	1773310.171	1622399.490	7211.327
25-Oct-16	1773309.141	1622395.905	7211.448

25-Oct-16	1773308.246	1622392.361	7211.495
25-Oct-16	1773307.381	1622389.079	7211.257
25-Oct-16	1773308.144	1622387.258	7211.083
25-Oct-16	1773313.587	1622381.301	7211.258
25-Oct-16	1773315.567	1622381.073	7211.709
25-Oct-16	1773318.524	1622377.081	7211.899
25-Oct-16	1773317.999	1622375.040	7211.783
25-Oct-16	1773321.230	1622372.625	7212.117
25-Oct-16	1773320.186	1622369.386	7211.746
25-Oct-16	1773325.159	1622366.561	7212.257
25-Oct-16	1773325.572	1622361.311	7211.857
25-Oct-16	1773330.259	1622355.767	7212.408
25-Oct-16	1773333.164	1622349.552	7211.978
25-Oct-16	1773333.148	1622349.579	7212.037
25-Oct-16	1773336.857	1622348.732	7212.600
25-Oct-16	1773343.410	1622345.416	7212.520
25-Oct-16	1773345.769	1622344.564	7212.655
25-Oct-16	1773350.907	1622339.569	7212.772
25-Oct-16	1773354.792	1622337.013	7212.874
25-Oct-16	1773357.512	1622336.845	7212.856
25-Oct-16	1773359.745	1622334.827	7213.031
25-Oct-16	1773363.206	1622336.372	7213.343
25-Oct-16	1773364.991	1622332.798	7213.333
25-Oct-16	1773366.954	1622331.754	7213.181
25-Oct-16	1773370.322	1622329.055	7213.323
25-Oct-16	1773372.731	1622326.458	7213.563
25-Oct-16	1773376.913	1622327.755	7213.688
25-Oct-16	1773376.916	1622327.768	7213.712
25-Oct-16	1773381.133	1622326.853	7214.369
25-Oct-16	1773382.575	1622323.020	7214.070
25-Oct-16	1773384.198	1622318.273	7214.182
25-Oct-16	1773385.991	1622317.048	7214.461
25-Oct-16	1773388.076	1622315.476	7214.228
25-Oct-16	1773390.991	1622313.951	7214.286
25-Oct-16	1773393.955	1622314.819	7214.699
25-Oct-16	1773394.618	1622315.567	7214.679
25-Oct-16	1773400.690	1622318.762	7215.203
25-Oct-16	1773402.516	1622315.305	7215.063
25-Oct-16	1773405.332	1622314.455	7215.038
25-Oct-16	1773407.998	1622311.737	7215.189
25-Oct-16	1773408.115	1622309.246	7215.232
25-Oct-16	1773408.867	1622306.703	7215.131
25-Oct-16	1773414.723	1622300.353	7215.358
25-Oct-16	1773425.766	1622289.885	7215.785
25-Oct-16	1773424.660	1622283.012	7213.403
25-Oct-16	1773424.234	1622279.702	7215.575
25-Oct-16	1773429.602	1622277.606	7216.124

25-Oct-16	1773432.313	1622273.943	7215.695
25-Oct-16	1773437.688	1622275.436	7215.915
25-Oct-16	1773439.129	1622275.782	7215.802
25-Oct-16	1773439.553	1622273.739	7216.094
25-Oct-16	1773444.473	1622265.771	7215.562
25-Oct-16	1773468.716	1622250.345	7216.421
25-Oct-16	1773473.310	1622244.440	7216.350
25-Oct-16	1773480.200	1622247.234	7216.625
25-Oct-16	1773484.401	1622240.158	7216.687
25-Oct-16	1773488.410	1622238.812	7216.721
25-Oct-16	1773495.578	1622227.044	7216.866
25-Oct-16	1773504.484	1622224.910	7217.300
25-Oct-16	1773507.142	1622211.971	7217.033
25-Oct-16	1773510.049	1622210.633	7217.113
25-Oct-16	1773517.540	1622208.432	7217.137
25-Oct-16	1773519.185	1622209.171	7217.122
25-Oct-16	1773521.495	1622206.897	7217.324
25-Oct-16	1773522.519	1622202.931	7217.392
25-Oct-16	1773521.964	1622200.369	7217.556
25-Oct-16	1773520.454	1622196.837	7217.372
25-Oct-16	1773522.374	1622194.890	7217.496
25-Oct-16	1773524.774	1622195.447	7217.535
25-Oct-16	1773526.775	1622197.503	7217.888
25-Oct-16	1773528.238	1622198.326	7217.805
25-Oct-16	1773528.693	1622195.723	7217.611
25-Oct-16	1773533.193	1622195.369	7217.519
25-Oct-16	1773542.691	1622189.497	7218.033
25-Oct-16	1773548.434	1622187.055	7217.937
25-Oct-16	1773560.130	1622181.603	7217.838
25-Oct-16	1773563.040	1622180.614	7218.255
25-Oct-16	1773572.240	1622176.846	7218.446
25-Oct-16	1773576.617	1622173.315	7218.297
25-Oct-16	1773585.496	1622165.045	7218.777
25-Oct-16	1773593.024	1622157.692	7218.933
25-Oct-16	1773598.667	1622156.008	7219.400
25-Oct-16	1773598.992	1622151.020	7218.505
25-Oct-16	1773606.824	1622145.705	7219.011
25-Oct-16	1773616.533	1622142.372	7219.010
25-Oct-16	1773623.714	1622138.136	7219.052
25-Oct-16	1773625.908	1622134.427	7218.756
25-Oct-16	1773633.397	1622128.922	7219.672
25-Oct-16	1773636.972	1622123.891	7219.545
25-Oct-16	1773642.934	1622115.460	7220.033
25-Oct-16	1773647.254	1622110.335	7220.423
25-Oct-16	1773653.185	1622102.014	7220.547
25-Oct-16	1773657.680	1622085.426	7220.972
25-Oct-16	1773657.760	1622082.095	7220.887

25-Oct-16	1773660.751	1622075.366	7220.978
25-Oct-16	1773663.894	1622070.104	7221.223
25-Oct-16	1773669.158	1622062.018	7221.672
25-Oct-16	1773675.842	1622060.682	7221.349
25-Oct-16	1773675.364	1622063.899	7221.798
25-Oct-16	1773676.623	1622064.373	7221.689
25-Oct-16	1773678.559	1622059.406	7221.605
25-Oct-16	1773674.032	1622054.602	7221.278
25-Oct-16	1773677.760	1622045.791	7220.990
25-Oct-16	1773682.721	1622041.718	7221.109
25-Oct-16	1773685.018	1622036.157	7221.207
25-Oct-16	1773684.965	1622024.397	7220.888
25-Oct-16	1773683.658	1622016.405	7220.935
25-Oct-16	1773689.451	1622001.135	7221.467
25-Oct-16	1773689.924	1621989.390	7221.424
25-Oct-16	1773691.331	1621984.942	7221.423
25-Oct-16	1773690.674	1621977.920	7221.684
25-Oct-16	1773687.887	1621974.712	7221.744
25-Oct-16	1773685.661	1621972.134	7221.582
25-Oct-16	1773686.647	1621969.117	7221.357
25-Oct-16	1773690.407	1621968.058	7221.913
25-Oct-16	1773693.754	1621967.788	7222.204
25-Oct-16	1773703.762	1621929.036	7223.264
25-Oct-16	1773707.699	1621922.718	7223.515
25-Oct-16	1773716.302	1621910.692	7224.076
25-Oct-16	1773718.693	1621903.913	7224.304
25-Oct-16	1773719.591	1621903.090	7224.553
25-Oct-16	1773729.074	1621893.040	7224.676
25-Oct-16	1773725.378	1621883.276	7223.663
25-Oct-16	1773756.733	1621859.873	7225.592
25-Oct-16	1773753.948	1621857.173	7225.399
25-Oct-16	1773758.708	1621851.959	7225.702
25-Oct-16	1773764.823	1621849.591	7226.130
25-Oct-16	1773769.184	1621845.561	7226.197
25-Oct-16	1773774.703	1621832.435	7226.569
25-Oct-16	1773775.614	1621829.310	7226.659
25-Oct-16	1773774.294	1621824.996	7226.747
25-Oct-16	1773777.140	1621821.642	7226.873
25-Oct-16	1773777.564	1621815.035	7227.156
25-Oct-16	1773788.942	1621811.010	7227.636
25-Oct-16	1773793.961	1621805.819	7227.918
25-Oct-16	1773785.840	1621790.475	7228.072
25-Oct-16	1773782.793	1621789.237	7228.102
25-Oct-16	1773777.878	1621789.197	7228.209
25-Oct-16	1773777.176	1621785.478	7228.401
25-Oct-16	1773785.457	1621777.176	7228.742
25-Oct-16	1773784.946	1621772.819	7228.753

25-Oct-16	1773782.765	1621761.721	7229.095
25-Oct-16	1773779.213	1621756.394	7229.060
25-Oct-16	1773784.467	1621742.053	7229.265
25-Oct-16	1773784.701	1621734.245	7229.234
25-Oct-16	1773789.258	1621726.626	7229.372
25-Oct-16	1773787.488	1621720.169	7228.962
25-Oct-16	1773789.492	1621715.288	7229.118
25-Oct-16	1773790.841	1621709.340	7229.207
25-Oct-16	1773794.518	1621708.245	7229.471
25-Oct-16	1773795.595	1621706.386	7229.485
25-Oct-16	1773795.345	1621703.310	7229.437
25-Oct-16	1773816.854	1621682.780	7230.544
25-Oct-16	1773818.497	1621678.267	7230.596
25-Oct-16	1773819.331	1621668.825	7230.578
25-Oct-16	1773822.282	1621665.200	7230.630
25-Oct-16	1773822.472	1621661.190	7230.493
25-Oct-16	1773831.499	1621648.107	7230.876
25-Oct-16	1773833.309	1621648.202	7231.026
25-Oct-16	1773834.402	1621646.377	7230.935
25-Oct-16	1773843.720	1621631.651	7231.239
25-Oct-16	1773846.005	1621631.648	7231.500
25-Oct-16	1773847.028	1621626.461	7231.620
25-Oct-16	1773844.924	1621621.362	7231.327
25-Oct-16	1773853.154	1621606.107	7231.782
25-Oct-16	1773864.672	1621599.239	7232.209
25-Oct-16	1773870.385	1621591.315	7232.369
25-Oct-16	1773872.614	1621577.937	7232.410
25-Oct-16	1773877.671	1621575.187	7232.674
25-Oct-16	1773876.424	1621571.797	7232.595
25-Oct-16	1773876.615	1621569.452	7232.481
25-Oct-16	1773880.025	1621567.403	7232.787
25-Oct-16	1773878.005	1621563.400	7232.671
25-Oct-16	1773877.293	1621559.781	7232.784
25-Oct-16	1773880.787	1621552.232	7232.963
25-Oct-16	1773879.894	1621545.792	7232.766
25-Oct-16	1773890.285	1621536.525	7233.235
25-Oct-16	1773885.577	1621533.075	7233.236
25-Oct-16	1773877.230	1621536.487	7233.278
25-Oct-16	1773872.968	1621540.413	7233.290
25-Oct-16	1773868.744	1621540.266	7233.463
25-Oct-16	1773865.328	1621544.008	7233.476
25-Oct-16	1773859.833	1621544.017	7233.335
25-Oct-16	1773854.812	1621536.623	7233.278
25-Oct-16	1773851.850	1621534.845	7232.995
25-Oct-16	1773846.870	1621538.488	7232.917
25-Oct-16	1773842.014	1621539.737	7232.868
25-Oct-16	1773831.827	1621540.132	7232.347

25-Oct-16	1773824.193	1621540.135	7232.886
25-Oct-16	1773818.485	1621555.131	7233.210
25-Oct-16	1773817.890	1621558.529	7232.980
25-Oct-16	1773819.005	1621567.640	7232.259
25-Oct-16	1773812.493	1621570.353	7232.337
25-Oct-16	1773808.237	1621565.564	7232.848
25-Oct-16	1773795.578	1621558.706	7232.750
25-Oct-16	1773788.539	1621557.787	7232.295
25-Oct-16	1773783.949	1621558.024	7232.151
25-Oct-16	1773780.507	1621559.535	7231.850
25-Oct-16	1773777.760	1621556.547	7232.267
25-Oct-16	1773772.183	1621555.139	7232.022
25-Oct-16	1773770.563	1621541.288	7232.016
25-Oct-16	1773773.129	1621536.825	7231.908
25-Oct-16	1773766.290	1621534.251	7231.465
25-Oct-16	1773762.818	1621541.923	7231.948
25-Oct-16	1773760.280	1621545.931	7232.083
25-Oct-16	1773754.332	1621550.525	7232.360
25-Oct-16	1773745.536	1621559.998	7231.570
25-Oct-16	1773742.423	1621564.478	7231.492
25-Oct-16	1773730.279	1621575.019	7231.294
25-Oct-16	1773724.005	1621584.670	7230.986
25-Oct-16	1773712.312	1621594.089	7230.732
25-Oct-16	1773685.746	1621589.220	7231.733
25-Oct-16	1773682.625	1621605.593	7231.836
25-Oct-16	1773678.218	1621616.075	7232.515
25-Oct-16	1773680.946	1621623.976	7232.347
25-Oct-16	1773678.144	1621628.776	7232.244
25-Oct-16	1773674.954	1621648.389	7231.468
25-Oct-16	1773673.565	1621656.555	7231.209
25-Oct-16	1773677.143	1621664.155	7231.443
25-Oct-16	1773677.106	1621664.169	7231.373
25-Oct-16	1773672.800	1621675.288	7230.746
25-Oct-16	1773673.709	1621679.176	7230.469
25-Oct-16	1773679.182	1621682.030	7230.643
25-Oct-16	1773677.813	1621687.024	7230.140
25-Oct-16	1773675.422	1621690.182	7230.557
25-Oct-16	1773670.727	1621704.858	7229.925
25-Oct-16	1773669.995	1621715.507	7229.548
25-Oct-16	1773666.831	1621715.796	7229.624
25-Oct-16	1773665.875	1621719.942	7229.442
25-Oct-16	1773666.997	1621721.551	7229.529
25-Oct-16	1773670.053	1621722.449	7229.221
25-Oct-16	1773671.489	1621730.552	7229.139
25-Oct-16	1773673.751	1621734.749	7229.131
25-Oct-16	1773677.728	1621738.823	7228.910
25-Oct-16	1773679.153	1621742.482	7228.607

25-Oct-16	1773675.255	1621743.211	7228.871
25-Oct-16	1773675.898	1621745.691	7228.702
25-Oct-16	1773675.600	1621747.802	7228.606
25-Oct-16	1773673.006	1621751.033	7228.627
25-Oct-16	1773668.791	1621749.161	7229.372
25-Oct-16	1773668.031	1621751.911	7229.039
25-Oct-16	1773666.173	1621753.646	7228.970
25-Oct-16	1773666.882	1621758.393	7228.315
25-Oct-16	1773665.587	1621761.157	7228.120
25-Oct-16	1773663.091	1621762.262	7228.242
25-Oct-16	1773663.746	1621765.394	7227.766
25-Oct-16	1773659.348	1621769.904	7227.454
25-Oct-16	1773651.277	1621778.993	7227.173
25-Oct-16	1773643.475	1621780.735	7226.970
25-Oct-16	1773639.814	1621788.201	7227.142
25-Oct-16	1773638.384	1621792.256	7227.180
25-Oct-16	1773633.287	1621799.767	7226.882
25-Oct-16	1773628.792	1621803.198	7226.723
25-Oct-16	1773623.685	1621806.168	7226.493
25-Oct-16	1773605.418	1621821.721	7227.107
25-Oct-16	1773598.975	1621828.265	7226.874
25-Oct-16	1773594.648	1621834.159	7226.801
25-Oct-16	1773590.084	1621841.449	7226.291
25-Oct-16	1773585.119	1621848.363	7225.832
25-Oct-16	1773580.177	1621852.476	7225.964
25-Oct-16	1773577.023	1621858.780	7225.654
25-Oct-16	1773572.766	1621864.518	7225.511
25-Oct-16	1773572.044	1621871.887	7225.453
25-Oct-16	1773578.256	1621881.119	7224.762
25-Oct-16	1773575.478	1621884.493	7224.567
25-Oct-16	1773575.693	1621884.494	7224.589
25-Oct-16	1773573.345	1621891.718	7224.286
25-Oct-16	1773571.055	1621895.525	7223.816
25-Oct-16	1773565.281	1621898.032	7223.805
25-Oct-16	1773557.545	1621898.083	7224.366
25-Oct-16	1773545.707	1621906.446	7224.335
25-Oct-16	1773542.488	1621908.395	7224.401
25-Oct-16	1773538.350	1621912.245	7224.297
25-Oct-16	1773532.490	1621920.584	7223.964
25-Oct-16	1773525.510	1621922.785	7224.621
25-Oct-16	1773526.784	1621927.058	7224.128
25-Oct-16	1773526.760	1621935.603	7224.039
25-Oct-16	1773527.694	1621937.759	7223.890
25-Oct-16	1773532.600	1621941.445	7223.654
25-Oct-16	1773534.216	1621945.289	7223.694
25-Oct-16	1773550.954	1621951.517	7223.212
25-Oct-16	1773544.271	1621958.730	7223.119

25-Oct-16	1773541.970	1621966.734	7223.341
25-Oct-16	1773541.145	1621971.412	7222.983
25-Oct-16	1773548.547	1621975.623	7222.696
25-Oct-16	1773547.793	1621981.313	7223.009
25-Oct-16	1773546.229	1621985.661	7223.375
25-Oct-16	1773554.273	1621986.694	7222.739
25-Oct-16	1773561.869	1621987.508	7222.060
25-Oct-16	1773563.142	1621988.913	7222.143
25-Oct-16	1773562.730	1621995.538	7222.381
25-Oct-16	1773564.384	1622001.620	7222.599
25-Oct-16	1773574.428	1622001.671	7222.149
25-Oct-16	1773577.380	1622004.602	7221.641
25-Oct-16	1773575.912	1622009.107	7221.804
25-Oct-16	1773580.474	1622009.983	7221.927
25-Oct-16	1773577.947	1622016.998	7221.590
25-Oct-16	1773573.635	1622022.528	7222.040
25-Oct-16	1773574.271	1622029.462	7221.632
25-Oct-16	1773573.810	1622035.537	7221.525
25-Oct-16	1773571.485	1622038.750	7221.661
25-Oct-16	1773571.424	1622040.876	7221.365
25-Oct-16	1773572.968	1622048.141	7221.427
25-Oct-16	1773565.788	1622062.798	7220.735
25-Oct-16	1773563.861	1622075.055	7220.350
25-Oct-16	1773559.423	1622084.152	7220.540
25-Oct-16	1773560.181	1622089.135	7220.059
25-Oct-16	1773559.154	1622093.895	7219.776
25-Oct-16	1773555.689	1622100.346	7219.411
25-Oct-16	1773554.877	1622104.679	7219.216
25-Oct-16	1773541.468	1622112.278	7218.881
25-Oct-16	1773521.970	1622119.237	7218.526
25-Oct-16	1773513.064	1622119.120	7218.246
25-Oct-16	1773499.424	1622120.322	7217.889
25-Oct-16	1773494.895	1622118.475	7217.775
25-Oct-16	1773494.100	1622115.226	7217.953
25-Oct-16	1773481.640	1622107.641	7218.473
25-Oct-16	1773475.785	1622108.663	7217.544
25-Oct-16	1773472.184	1622116.266	7217.674
25-Oct-16	1773463.562	1622119.458	7217.808
25-Oct-16	1773458.955	1622127.210	7217.281
25-Oct-16	1773455.598	1622147.712	7217.099
25-Oct-16	1773451.766	1622161.101	7217.184
25-Oct-16	1773453.485	1622172.225	7217.018
25-Oct-16	1773443.787	1622181.343	7216.649
25-Oct-16	1773436.563	1622186.185	7216.840
25-Oct-16	1773430.908	1622191.843	7216.571
25-Oct-16	1773424.181	1622192.022	7216.847
25-Oct-16	1773409.779	1622196.946	7216.784

25-Oct-16	1773409.769	1622196.863	7216.781
25-Oct-16	1773400.140	1622199.254	7216.517
25-Oct-16	1773386.489	1622203.516	7216.133
25-Oct-16	1773386.480	1622203.512	7216.135

Notes

Survey data aquired using real-time kinematic differentially corrected GPS surveying equipment (Topcon GRS-:

1 GPS Receiver with Topcon PG-A5 external antenna mounted on a survey rod)

Appendix C, Attachment C-2: 2016 Vegetation Changes in Sandia Canyon Reach S-2 Survey Data

Date Surveyed	Y	X	Z
26-Oct-16	1773933.604	1621234.885	7239.328
26-Oct-16	1773937.570	1621233.513	7237.973
26-Oct-16	1773937.581	1621229.062	7239.075
26-Oct-16	1773939.868	1621225.292	7239.050
26-Oct-16	1773938.952	1621221.006	7239.317
26-Oct-16	1773934.990	1621217.826	7239.408
26-Oct-16	1773931.441	1621209.929	7239.243
26-Oct-16	1773930.968	1621205.592	7239.250
26-Oct-16	1773934.679	1621199.744	7239.542
26-Oct-16	1773936.488	1621192.561	7239.674
26-Oct-16	1773933.339	1621190.063	7239.838
26-Oct-16	1773931.426	1621185.115	7239.428
26-Oct-16	1773934.166	1621178.689	7239.493
26-Oct-16	1773934.552	1621172.000	7239.967
26-Oct-16	1773937.738	1621163.639	7240.087
26-Oct-16	1773936.195	1621148.869	7240.145
26-Oct-16	1773936.448	1621145.708	7240.173
26-Oct-16	1773932.641	1621146.495	7239.331
26-Oct-16	1773929.438	1621142.616	7239.232
26-Oct-16	1773930.616	1621139.939	7239.644
26-Oct-16	1773932.890	1621133.352	7239.922
26-Oct-16	1773935.801	1621129.544	7239.356
26-Oct-16	1773935.745	1621126.006	7240.214
26-Oct-16	1773937.051	1621120.702	7240.649
26-Oct-16	1773939.351	1621115.438	7240.546
26-Oct-16	1773940.533	1621105.126	7241.643
26-Oct-16	1773942.105	1621099.105	7241.165
26-Oct-16	1773945.342	1621086.925	7241.707
26-Oct-16	1773948.312	1621078.944	7241.368
26-Oct-16	1773951.912	1621073.247	7241.127
26-Oct-16	1773957.550	1621059.620	7241.332
26-Oct-16	1773962.251	1621054.107	7240.990
26-Oct-16	1773963.064	1621049.208	7241.405
26-Oct-16	1773966.675	1621044.334	7240.837
26-Oct-16	1773970.528	1621042.520	7240.325
26-Oct-16	1773971.525	1621032.288	7240.410
26-Oct-16	1773970.253	1621022.923	7241.564
26-Oct-16	1773970.228	1621018.167	7241.335
26-Oct-16	1773970.235	1621018.130	7241.305
26-Oct-16	1773971.766	1621016.286	7241.017
26-Oct-16	1773972.236	1621012.315	7240.817
26-Oct-16	1773970.507	1621009.660	7240.964
26-Oct-16	1773966.250	1621008.025	7240.820
26-Oct-16	1773962.759	1621007.183	7241.006

26-Oct-16	1773959.700	1621007.360	7241.052
26-Oct-16	1773957.590	1621008.785	7241.354
26-Oct-16	1773954.438	1621009.635	7241.703
26-Oct-16	1773948.830	1621008.610	7242.108
26-Oct-16	1773946.924	1621008.182	7241.457
26-Oct-16	1773943.454	1621005.698	7242.130
26-Oct-16	1773942.645	1621002.154	7241.653
26-Oct-16	1773937.155	1620995.291	7242.113
26-Oct-16	1773932.975	1620989.668	7242.289
26-Oct-16	1773931.988	1620986.750	7242.725
26-Oct-16	1773931.791	1620978.217	7242.491
26-Oct-16	1773933.002	1620973.203	7241.924
26-Oct-16	1773931.058	1620965.328	7242.953
26-Oct-16	1773932.106	1620960.158	7243.224
26-Oct-16	1773939.164	1620954.454	7242.563
26-Oct-16	1773935.125	1620948.575	7243.299
26-Oct-16	1773936.013	1620945.043	7243.064
26-Oct-16	1773932.916	1620941.683	7243.737
26-Oct-16	1773931.819	1620933.070	7243.840
26-Oct-16	1773925.986	1620931.612	7243.763
26-Oct-16	1773929.788	1620926.999	7244.270
26-Oct-16	1773928.819	1620924.657	7243.995
26-Oct-16	1773930.279	1620918.650	7243.236
26-Oct-16	1773929.268	1620913.686	7243.852
26-Oct-16	1773926.101	1620911.716	7244.034
26-Oct-16	1773925.891	1620908.673	7243.627
26-Oct-16	1773922.769	1620899.625	7243.232
26-Oct-16	1773931.505	1620899.143	7244.072
26-Oct-16	1773935.092	1620893.359	7243.037
26-Oct-16	1773939.331	1620886.980	7242.318
26-Oct-16	1773942.159	1620889.108	7244.136
26-Oct-16	1773942.931	1620891.236	7244.221
26-Oct-16	1773943.323	1620893.973	7244.133
26-Oct-16	1773940.111	1620897.676	7244.054
26-Oct-16	1773940.607	1620899.154	7244.227
26-Oct-16	1773939.896	1620904.034	7243.961
26-Oct-16	1773940.795	1620907.339	7244.287
26-Oct-16	1773937.802	1620909.146	7243.937
26-Oct-16	1773935.708	1620914.857	7243.088
26-Oct-16	1773939.400	1620919.277	7243.353
26-Oct-16	1773940.708	1620924.240	7242.535
26-Oct-16	1773946.560	1620923.804	7242.821
26-Oct-16	1773948.207	1620925.275	7243.093
26-Oct-16	1773950.090	1620930.709	7242.935
26-Oct-16	1773954.193	1620930.317	7243.920
26-Oct-16	1773955.580	1620934.108	7243.675
26-Oct-16	1773958.756	1620936.959	7244.671

26-Oct-16	1773960.878	1620946.096	7244.116
26-Oct-16	1773959.508	1620957.112	7242.224
26-Oct-16	1773959.434	1620958.980	7242.118
26-Oct-16	1773953.369	1620960.204	7242.938
26-Oct-16	1773953.136	1620957.366	7243.024
26-Oct-16	1773956.499	1620954.173	7242.502
26-Oct-16	1773954.592	1620946.318	7243.018
26-Oct-16	1773951.061	1620943.860	7243.110
26-Oct-16	1773947.509	1620944.665	7242.579
26-Oct-16	1773946.627	1620950.993	7242.899
26-Oct-16	1773947.017	1620952.413	7242.925
26-Oct-16	1773936.475	1620964.085	7242.224
26-Oct-16	1773938.031	1620973.650	7242.554
26-Oct-16	1773940.325	1620977.707	7242.250
26-Oct-16	1773944.027	1620981.760	7242.580
26-Oct-16	1773945.690	1620974.810	7243.252
26-Oct-16	1773950.077	1620975.027	7242.821
26-Oct-16	1773953.644	1620968.197	7241.972
26-Oct-16	1773956.318	1620967.350	7242.783
26-Oct-16	1773956.278	1620974.404	7242.589
26-Oct-16	1773959.922	1620979.633	7242.456
26-Oct-16	1773958.462	1620983.674	7241.976
26-Oct-16	1773963.117	1620989.386	7241.234
26-Oct-16	1773966.913	1620994.704	7240.478
26-Oct-16	1773968.718	1621000.570	7241.791
26-Oct-16	1773968.708	1621000.475	7241.743
26-Oct-16	1773969.440	1621006.612	7240.473
26-Oct-16	1773975.474	1621009.705	7240.203
26-Oct-16	1773976.298	1621018.181	7241.119
26-Oct-16	1773975.560	1621028.753	7239.673
26-Oct-16	1773974.538	1621034.572	7239.544
26-Oct-16	1773970.655	1621043.073	7240.467
26-Oct-16	1773971.081	1621044.613	7240.641
26-Oct-16	1773970.092	1621046.479	7240.698
26-Oct-16	1773969.519	1621048.846	7240.570
26-Oct-16	1773968.723	1621049.879	7240.372
26-Oct-16	1773968.300	1621051.699	7240.474
26-Oct-16	1773967.215	1621052.716	7240.461
26-Oct-16	1773967.374	1621054.539	7240.991
26-Oct-16	1773969.377	1621055.483	7240.785
26-Oct-16	1773969.817	1621058.176	7240.991
26-Oct-16	1773972.401	1621062.329	7241.581
26-Oct-16	1773968.138	1621113.200	7240.398
26-Oct-16	1773965.456	1621148.094	7240.209
26-Oct-16	1773963.325	1621168.574	7239.956
26-Oct-16	1773962.296	1621178.933	7238.811
26-Oct-16	1773957.629	1621185.414	7239.351

26-Oct-16	1773954.652	1621193.030	7239.576
26-Oct-16	1773951.726	1621201.394	7239.373
26-Oct-16	1773951.414	1621207.969	7239.207
26-Oct-16	1773953.185	1621210.607	7239.242
26-Oct-16	1773954.412	1621215.422	7239.465
26-Oct-16	1773953.687	1621225.377	7239.473
26-Oct-16	1773951.694	1621233.409	7238.939
26-Oct-16	1773949.981	1621236.993	7238.305
26-Oct-16	1773951.240	1621245.881	7238.515
26-Oct-16	1773951.376	1621248.402	7238.011
26-Oct-16	1773946.745	1621252.819	7238.657

Notes

Survey data aquired using real-time kinematic differentially corrected GPS surveying equipment (Topcon GRS-:

1 GPS Receiver with Topcon PG-A5 external antenna mounted on a survey rod)

Appendix C, Attachment C-2: 2016 Vegetation Changes in Sandia Canyon Reach S-2 Survey Data

Date Surveyed	Y	X	Z
25-Oct-16	1773839.242	1621538.465	7232.954
25-Oct-16	1773844.623	1621530.706	7232.827
26-Oct-16	1773824.012	1621537.368	7233.218
26-Oct-16	1773826.325	1621519.738	7233.573
26-Oct-16	1773825.911	1621515.863	7233.761
26-Oct-16	1773829.253	1621513.760	7233.156
26-Oct-16	1773826.633	1621508.980	7233.715
26-Oct-16	1773826.356	1621506.414	7233.982
26-Oct-16	1773827.293	1621503.582	7233.870
26-Oct-16	1773823.820	1621500.412	7234.042
26-Oct-16	1773826.656	1621499.628	7234.114
26-Oct-16	1773828.165	1621495.536	7234.212
26-Oct-16	1773832.072	1621493.202	7234.340
26-Oct-16	1773830.927	1621489.024	7234.340
26-Oct-16	1773833.359	1621484.943	7234.376
26-Oct-16	1773836.277	1621483.681	7234.376
26-Oct-16	1773840.062	1621478.012	7234.512
26-Oct-16	1773844.512	1621473.362	7234.463
26-Oct-16	1773853.889	1621465.819	7234.883
26-Oct-16	1773856.926	1621460.311	7235.431
26-Oct-16	1773860.217	1621456.509	7235.242
26-Oct-16	1773866.836	1621451.887	7234.993
26-Oct-16	1773866.146	1621446.390	7235.710
26-Oct-16	1773868.429	1621443.919	7235.699
26-Oct-16	1773859.867	1621439.497	7236.073
26-Oct-16	1773859.830	1621439.435	7236.061
26-Oct-16	1773875.321	1621436.200	7235.567
26-Oct-16	1773876.141	1621426.788	7236.146
26-Oct-16	1773883.763	1621420.949	7235.745
26-Oct-16	1773886.326	1621416.306	7236.041
26-Oct-16	1773887.005	1621404.141	7237.056
26-Oct-16	1773890.990	1621397.056	7236.764
26-Oct-16	1773891.990	1621391.451	7236.888
26-Oct-16	1773891.800	1621387.196	7236.569
26-Oct-16	1773889.554	1621379.760	7236.608
26-Oct-16	1773889.039	1621370.027	7236.640
26-Oct-16	1773888.988	1621365.593	7236.891
26-Oct-16	1773890.244	1621356.092	7237.102
26-Oct-16	1773891.435	1621347.631	7237.115
26-Oct-16	1773892.071	1621338.706	7237.469
26-Oct-16	1773892.157	1621329.361	7236.268
26-Oct-16	1773889.669	1621325.791	7235.973
26-Oct-16	1773887.904	1621319.108	7235.872
26-Oct-16	1773886.813	1621313.498	7236.563

26-Oct-16	1773875.785	1621300.922	7237.953
26-Oct-16	1773874.325	1621291.496	7237.734
26-Oct-16	1773879.120	1621289.542	7237.877
26-Oct-16	1773889.326	1621285.860	7238.315
26-Oct-16	1773894.182	1621279.468	7239.248
26-Oct-16	1773905.026	1621279.035	7239.446
26-Oct-16	1773910.206	1621276.840	7239.316
26-Oct-16	1773913.733	1621276.269	7238.603
26-Oct-16	1773916.173	1621269.720	7239.253
26-Oct-16	1773916.771	1621266.263	7239.321
26-Oct-16	1773923.681	1621259.198	7238.819
26-Oct-16	1773929.875	1621248.560	7239.255
26-Oct-16	1773948.397	1621256.225	7238.358
26-Oct-16	1773950.209	1621256.657	7238.027
26-Oct-16	1773951.268	1621259.205	7238.216
26-Oct-16	1773951.168	1621264.249	7238.317
26-Oct-16	1773951.148	1621268.511	7238.175
26-Oct-16	1773951.139	1621268.524	7238.177
26-Oct-16	1773948.540	1621270.539	7238.174
26-Oct-16	1773947.333	1621272.683	7238.103
26-Oct-16	1773952.745	1621278.926	7238.581
26-Oct-16	1773952.693	1621278.925	7238.592
26-Oct-16	1773949.808	1621290.111	7238.321
26-Oct-16	1773950.417	1621295.801	7238.177
26-Oct-16	1773956.225	1621303.631	7237.849
26-Oct-16	1773957.773	1621308.255	7237.778
26-Oct-16	1773955.387	1621311.480	7237.960
26-Oct-16	1773943.461	1621313.347	7238.280
26-Oct-16	1773932.110	1621316.631	7237.842
26-Oct-16	1773925.675	1621322.696	7237.740
26-Oct-16	1773923.910	1621328.902	7237.809
26-Oct-16	1773922.967	1621337.840	7237.388
26-Oct-16	1773927.739	1621341.910	7238.110
26-Oct-16	1773929.000	1621352.015	7237.358
26-Oct-16	1773932.561	1621360.961	7236.551
26-Oct-16	1773936.232	1621368.878	7237.077
26-Oct-16	1773936.683	1621379.119	7236.962
26-Oct-16	1773934.202	1621387.772	7236.629
26-Oct-16	1773931.895	1621391.911	7235.863
26-Oct-16	1773935.110	1621396.583	7236.059
26-Oct-16	1773943.312	1621405.732	7236.046
26-Oct-16	1773951.711	1621402.187	7235.794
26-Oct-16	1773958.460	1621410.293	7235.555
26-Oct-16	1773958.525	1621416.199	7235.552
26-Oct-16	1773971.650	1621422.290	7235.205
26-Oct-16	1773971.715	1621425.659	7235.223
26-Oct-16	1773971.904	1621427.910	7235.394

26-Oct-16	1773970.276	1621433.074	7235.475
26-Oct-16	1773966.887	1621437.113	7235.372
26-Oct-16	1773966.399	1621444.201	7235.780
26-Oct-16	1773960.616	1621448.433	7235.153
26-Oct-16	1773959.291	1621459.494	7235.485
26-Oct-16	1773958.525	1621464.631	7235.601
26-Oct-16	1773948.225	1621477.649	7235.102
26-Oct-16	1773948.159	1621479.606	7235.275
26-Oct-16	1773938.586	1621485.214	7234.782
26-Oct-16	1773937.179	1621488.586	7234.929
26-Oct-16	1773934.188	1621491.490	7234.579
26-Oct-16	1773916.057	1621502.681	7234.472
26-Oct-16	1773911.478	1621507.123	7234.309
26-Oct-16	1773909.722	1621513.043	7233.857
26-Oct-16	1773906.806	1621516.788	7233.887
26-Oct-16	1773895.759	1621510.105	7234.119
26-Oct-16	1773893.860	1621507.410	7234.372
26-Oct-16	1773892.609	1621503.196	7234.360
26-Oct-16	1773866.913	1621499.809	7234.417
26-Oct-16	1773861.559	1621497.104	7234.060
26-Oct-16	1773847.419	1621506.366	7233.722
26-Oct-16	1773852.783	1621530.916	7233.422

Notes

Survey data acquired using real-time kinematic differentially corrected GPS surveying equipment (Topcon GRS-:

1 GPS Receiver with Topcon PG-A5 external antenna mounted on a survey rod)

Appendix C, Attachment C-2: 2016 Vegetation Changes in Sandia Canyon Reach S-2 Survey Data

Date Surveyed	Y	X	Z
24-Oct-16	1773218.622	1622520.583	7209.932
24-Oct-16	1773277.533	1622564.783	7209.867
24-Oct-16	1773274.097	1622570.201	7208.343
24-Oct-16	1773276.598	1622573.159	7208.873
24-Oct-16	1773279.650	1622573.906	7209.442
24-Oct-16	1773281.322	1622574.906	7209.280
24-Oct-16	1773276.129	1622576.136	7208.679
24-Oct-16	1773275.058	1622579.929	7208.732
24-Oct-16	1773271.050	1622583.288	7208.777
24-Oct-16	1773267.666	1622589.062	7208.894
24-Oct-16	1773265.084	1622590.951	7208.697
24-Oct-16	1773264.381	1622594.238	7208.716
24-Oct-16	1773264.232	1622597.186	7208.838
24-Oct-16	1773261.103	1622602.065	7208.901
24-Oct-16	1773256.917	1622603.216	7208.703
24-Oct-16	1773252.683	1622606.459	7208.655
24-Oct-16	1773252.461	1622609.345	7208.675
24-Oct-16	1773250.908	1622614.361	7208.694
24-Oct-16	1773250.158	1622616.941	7208.775
24-Oct-16	1773248.388	1622620.572	7208.784
24-Oct-16	1773246.756	1622624.939	7208.713
24-Oct-16	1773245.111	1622629.018	7208.739
24-Oct-16	1773243.663	1622631.218	7208.717
24-Oct-16	1773243.454	1622634.095	7208.881
24-Oct-16	1773240.423	1622635.029	7208.706
24-Oct-16	1773239.435	1622635.621	7208.689
24-Oct-16	1773238.550	1622635.610	7208.565
24-Oct-16	1773236.602	1622635.218	7208.343
24-Oct-16	1773229.784	1622638.015	7208.197
24-Oct-16	1773224.406	1622636.084	7207.681
24-Oct-16	1773219.697	1622637.537	7207.597
24-Oct-16	1773215.717	1622640.387	7207.108
24-Oct-16	1773211.627	1622642.591	7207.013
24-Oct-16	1773208.901	1622644.324	7206.834
24-Oct-16	1773191.530	1622655.326	7206.960
24-Oct-16	1773188.810	1622657.674	7206.938
24-Oct-16	1773184.656	1622661.204	7207.183
24-Oct-16	1773182.944	1622660.291	7206.765
24-Oct-16	1773182.963	1622660.310	7206.817
24-Oct-16	1773155.121	1622605.313	7207.804
24-Oct-16	1773159.258	1622605.257	7207.612
24-Oct-16	1773164.206	1622603.588	7207.552
24-Oct-16	1773166.233	1622603.137	7207.427
24-Oct-16	1773171.021	1622600.512	7207.648

24-Oct-16	1773176.728	1622598.731	7207.574
24-Oct-16	1773178.232	1622597.531	7207.561
24-Oct-16	1773181.829	1622595.914	7207.620
24-Oct-16	1773184.642	1622594.931	7207.721
24-Oct-16	1773189.025	1622593.526	7207.554
24-Oct-16	1773193.166	1622589.814	7207.452
24-Oct-16	1773196.334	1622580.900	7207.910
24-Oct-16	1773201.144	1622572.188	7208.826
24-Oct-16	1773202.408	1622566.490	7209.180
24-Oct-16	1773204.535	1622563.097	7209.195
24-Oct-16	1773207.704	1622559.903	7209.083
24-Oct-16	1773207.344	1622557.853	7209.276
24-Oct-16	1773209.312	1622551.001	7209.489
24-Oct-16	1773211.055	1622547.346	7209.151
24-Oct-16	1773211.404	1622543.742	7209.181
24-Oct-16	1773211.383	1622540.256	7209.251
24-Oct-16	1773212.214	1622534.044	7209.123
24-Oct-16	1773214.070	1622527.976	7209.066
24-Oct-16	1773212.535	1622525.352	7209.895
24-Oct-16	1773213.889	1622523.396	7209.702
24-Oct-16	1773215.090	1622521.951	7209.693
24-Oct-16	1773216.144	1622518.523	7210.288
24-Oct-16	1773220.812	1622511.593	7210.365
24-Oct-16	1773223.182	1622504.380	7210.659
24-Oct-16	1773227.461	1622500.477	7210.183
24-Oct-16	1773231.709	1622492.643	7210.172
24-Oct-16	1773233.865	1622489.690	7210.139
24-Oct-16	1773234.229	1622487.629	7210.297
24-Oct-16	1773233.669	1622484.652	7210.527
24-Oct-16	1773234.604	1622480.937	7210.544
24-Oct-16	1773235.776	1622477.560	7210.577
24-Oct-16	1773237.421	1622468.623	7210.641
24-Oct-16	1773240.739	1622465.869	7210.316
24-Oct-16	1773239.507	1622462.328	7210.611
25-Oct-16	1773281.466	1622567.305	7210.108
25-Oct-16	1773284.670	1622563.777	7209.979
25-Oct-16	1773287.263	1622559.342	7210.100
25-Oct-16	1773291.115	1622555.853	7210.248
25-Oct-16	1773295.447	1622548.959	7210.322
25-Oct-16	1773297.332	1622545.065	7210.344
25-Oct-16	1773298.958	1622542.586	7210.600
25-Oct-16	1773300.615	1622538.562	7210.528
25-Oct-16	1773303.136	1622532.276	7210.895
25-Oct-16	1773302.958	1622532.380	7210.508
25-Oct-16	1773303.077	1622526.562	7210.479
25-Oct-16	1773303.344	1622523.425	7210.414
25-Oct-16	1773302.158	1622519.938	7210.517

25-Oct-16	1773302.240	1622516.480	7210.735
25-Oct-16	1773300.921	1622510.687	7210.609
25-Oct-16	1773299.415	1622507.197	7210.362
25-Oct-16	1773300.566	1622504.962	7210.607
25-Oct-16	1773300.393	1622499.479	7210.487
25-Oct-16	1773299.869	1622496.072	7210.718
25-Oct-16	1773301.121	1622493.480	7210.757
25-Oct-16	1773302.976	1622489.531	7211.019
25-Oct-16	1773306.293	1622481.241	7210.326

Notes

Survey data aquired using real-time kinematic differentially corrected GPS surveying equipment (Topcon GRS-:

1 GPS Receiver with Topcon PG-A5 external antenna mounted on a survey rod)

Appendix C, Attachment C-2: 2016 Vegetation Changes in Sandia Canyon Reach S-2 Survey Data

Date Surveyed	Y	X	Z	Group
26-Oct-16	1773889.769	1621168.070	7239.019	2
26-Oct-16	1773886.829	1621170.859	7239.058	2
26-Oct-16	1773880.872	1621174.183	7239.260	2
26-Oct-16	1773881.425	1621178.445	7239.071	2
26-Oct-16	1773884.608	1621178.234	7239.055	2
26-Oct-16	1773887.183	1621175.928	7239.082	2
26-Oct-16	1773887.167	1621175.944	7239.077	2
26-Oct-16	1773890.152	1621172.730	7239.113	2
26-Oct-16	1773844.184	1621262.995	7237.354	4
26-Oct-16	1773840.533	1621262.660	7237.370	4
26-Oct-16	1773839.695	1621265.950	7237.423	4
26-Oct-16	1773841.553	1621268.701	7237.404	4
26-Oct-16	1773844.465	1621268.229	7237.243	4
26-Oct-16	1773846.223	1621266.276	7237.264	4
26-Oct-16	1773846.593	1621263.662	7237.249	4
26-Oct-16	1773844.760	1621280.637	7237.243	3
26-Oct-16	1773848.090	1621279.174	7237.336	3
26-Oct-16	1773847.654	1621282.246	7237.207	3
26-Oct-16	1773826.152	1621265.595	7237.330	5
26-Oct-16	1773921.891	1620858.752	7241.485	1
26-Oct-16	1773920.475	1620856.617	7242.444	1
26-Oct-16	1773921.863	1620852.560	7244.081	1
26-Oct-16	1773925.055	1620851.996	7243.499	1
26-Oct-16	1773926.696	1620851.363	7243.109	1

Notes

Survey data acquired using real-time kinematic differentially corrected GPS surveying equipment (Topcon GRS-: Group denotes the various isolated cattail zones

1 GPS Receiver with Topcon PG-A5 external antenna mounted on a survey rod)