



ПОСТАНОВЛЕНИЕ

АДМИНИСТРАЦИИ ЛИПЕЦКОЙ ОБЛАСТИ

16 марта 2020 года

г. Липецк

№ 131

Об установлении местоположения береговых линий (границ водного объекта), границ водоохранных зон и границ прибрежных защитных полос реки Сосна

В целях осуществления переданных полномочий Российской Федерации в области водных отношений по осуществлению мер по охране водных объектов или их частей, находящихся в федеральной собственности и расположенных на территориях субъектов Российской Федерации, в соответствии со ст. 65 Водного кодекса Российской Федерации, постановлением Правительства Российской Федерации от 10 января 2009 года № 17 «Об утверждении правил установления на местности границ водоохранных зон и границ прибрежных защитных полос водных объектов», постановлением Правительства Российской Федерации от 29 апреля 2016 года № 377 «Об утверждении правил определения местоположения береговой линии (границы водного объекта), случаев и периодичности ее определения и о внесении изменений в правила установления на местности границ водоохранных зон и границ прибрежных полос водных объектов», администрация Липецкой области постановляет:

1. Утвердить местоположение береговой линии (границы водного объекта) участка реки на участке р. Сосна от устья р. Воргол до устья р. Сосна, протяженностью 50 км по правому берегу и 50 км по левому берегу, расположенной на территории Липецкой области (приложение 1).
2. Установить ширину водоохранной зоны реки Сосна в размере 200 м.
3. Установить ширину прибрежной защитной полосы реки Сосна в размере 50 метров для уклона берега три и более градуса, 200 м в районе зимовальных ям.
4. Утвердить границу водоохранной зоны р. Сосна от устья р. Воргол до устья р. Сосна, протяженностью 50 км по правому берегу и 50 км по левому берегу, расположенной на территории Липецкой области (приложение 2).

5. Утвердить границу прибрежной защитной полосы участка р. Сосна от устья р. Воргол до устья р. Сосна, протяженностью 50 км по правому берегу и 50 км по левому берегу, расположенной на территории Липецкой области (приложение 3).

И.о. главы администрации
Липецкой области



Н.Ф. Тагинцев

Приложение 1
к постановлению
администрации Липецкой области
«Об установлении местоположения береговых линий
(границ водного объекта), границ водоохранных зон и
границ прибрежных защитных полос реки Сосна»

Каталог координат характерных точек береговой линии участка р. Сосна от устья р. Воргол до устья р. Сосна, протяженностью 50 км по правому берегу и 50 км по левому берегу, расположенной на территории Липецкой области

№ опорной точки	Система координат			
	X_МСК 48	Y_МСК 48	X_WGS84	Y_WGS_84
9	409877	1248073,44	52°31'59.473"	38°27'11.945"
18	409976,09	1248135,24	52°32'2.681"	38°27'15.221"
27	410067,84	1248190,2	52°32'5.651"	38°27'18.137"
36	410266,47	1248308,18	52°32'12.077"	38°27'24.390"
45	410426,11	1248383,09	52°32'17.243"	38°27'28.361"
54	410523,94	1248419,37	52°32'20.407"	38°27'30.287"
63	410660,92	1248455,05	52°32'24.839"	38°27'32.177"
72	410731,12	1248472,34	52°32'27.110"	38°27'33.091"
81	410797,23	1248484,61	52°32'29.249"	38°27'33.743"
90	410916,97	1248499,29	52°32'33.126"	38°27'34.517"
99	411096,63	1248505,46	52°32'38.936"	38°27'34.844"
108	411236,5	1248490,16	52°32'43.462"	38°27'34.027"
117	411423,5	1248480,12	52°32'49.510"	38°27'33.494"
126	411515,08	1248469,06	52°32'52.472"	38°27'32.904"
135	411640,52	1248454,95	52°32'56.533"	38°27'32.152"
144	411732,61	1248448,85	52°32'59.510"	38°27'31.828"
153	411904,05	1248437,06	52°33'5.058"	38°27'31.198"
162	412016,08	1248437,97	52°33'8.683"	38°27'31.244"
171	412130,1	1248434,97	52°33'12.370"	38°27'31.082"
180	412276,96	1248417,45	52°33'17.122"	38°27'30.150"
189	412382,92	1248396,07	52°33'20.549"	38°27'29.016"
198	412492,88	1248368,87	52°33'24.106"	38°27'27.569"
207	412611,54	1248341,49	52°33'27.943"	38°27'26.114"
216	412775,97	1248326,48	52°33'33.264"	38°27'25.312"
225	412726,39	1248345,95	52°33'31.658"	38°27'26.348"
234	412788,28	1248353,58	52°33'33.664"	38°27'26.752"

243	412842,25	1248338,75	52°33'35.410"	38°27'25.963"
252	412888,77	1248326,92	52°33'36.914"	38°27'25.333"
261	412972,14	1248318,4	52°33'39.611"	38°27'24.880"
270	413164,89	1248352,44	52°33'45.846"	38°27'26.683"
279	413275,05	1248396,16	52°33'49.410"	38°27'29.002"
288	413338,42	1248414,82	52°33'51.462"	38°27'29.992"
297	413448,13	1248461,54	52°33'55.012"	38°27'32.472"
306	413562,76	1248521,89	52°33'58.720"	38°27'35.672"
315	413687,39	1248589,98	52°34'2.752"	38°27'39.287"
324	413843,24	1248678,94	52°34'7.795"	38°27'44.006"
333	413925,64	1248729,74	52°34'10.463"	38°27'46.703"
342	414003,02	1248773,43	52°34'12.965"	38°27'49.021"
351	414075,43	1248818,43	52°34'15.308"	38°27'51.408"
360	414158,77	1248881,07	52°34'18.005"	38°27'54.734"
369	414218,72	1248926,53	52°34'19.945"	38°27'57.146"
378	414266,32	1248966,52	52°34'21.486"	38°27'59.270"
387	414322,37	1249012,27	52°34'23.297"	38°28'1.697"
396	414373,21	1249061,91	52°34'24.942"	38°28'4.332"
405	414428,99	1249114,34	52°34'26.749"	38°28'7.118"
414	414497,32	1249190,49	52°34'28.960"	38°28'11.161"
423	414541,72	1249250,18	52°34'30.396"	38°28'14.329"
432	414580,91	1249292,04	52°34'31.663"	38°28'16.550"
441	414612	1249332,1	52°34'32.671"	38°28'18.678"
450	414620,58	1249377,92	52°34'32.948"	38°28'21.112"
459	414645,56	1249406,95	52°34'33.755"	38°28'22.652"
468	414679,35	1249447,95	52°34'34.849"	38°28'24.830"
477	414718,07	1249534,47	52°34'36.102"	38°28'29.424"
486	414759,04	1249624,94	52°34'37.427"	38°28'34.230"
495	414824,77	1249736,94	52°34'39.554"	38°28'40.177"
504	414889,75	1249833	52°34'41.657"	38°28'45.278"
513	414952,05	1249909,47	52°34'43.673"	38°28'49.339"
522	414996,76	1249988,84	52°34'45.120"	38°28'53.551"
531	415062,52	1250061,36	52°34'47.248"	38°28'57.403"
540	415142,06	1250172,78	52°34'49.822"	38°29'3.322"
549	415219,59	1250291,53	52°34'52.327"	38°29'9.629"
558	415259,37	1250371,34	52°34'53.616"	38°29'13.866"
567	415267,35	1250420,85	52°34'53.872"	38°29'16.498"
576	415282,15	1250447,73	52°34'54.350"	38°29'17.923"
585	415327,22	1250523,09	52°34'55.808"	38°29'21.926"
594	415323,08	1250609,88	52°34'55.675"	38°29'26.534"
603	415316,96	1250644,52	52°34'55.477"	38°29'28.374"
612	415361,26	1250645,04	52°34'56.910"	38°29'28.403"
621	415378,17	1250678,71	52°34'57.457"	38°29'30.192"

630	415403,03	1250706,01	52°34'58.264"	38°29'31.643"
639	415413,89	1250732,23	52°34'58.613"	38°29'33.036"
648	415433,52	1250774,47	52°34'59.246"	38°29'35.279"
657	415447,57	1250802,45	52°34'59.704"	38°29'36.766"
666	415462,56	1250843,58	52°35'0.186"	38°29'38.947"
675	415453,32	1250873,37	52°34'59.887"	38°29'40.531"
684	415415,99	1250885,52	52°34'58.681"	38°29'41.176"
693	415418,79	1250910,49	52°34'58.771"	38°29'42.504"
702	415402,55	1250939,23	52°34'58.246"	38°29'44.027"
711	415411,45	1250967,51	52°34'58.534"	38°29'45.532"
720	415428,54	1250990,57	52°34'59.084"	38°29'46.756"
729	415448,94	1251015,89	52°34'59.747"	38°29'48.098"
738	415456,58	1251066,97	52°34'59.992"	38°29'50.813"
747	415466,39	1251132,18	52°35'0.308"	38°29'54.276"
756	415486,34	1251193,12	52°35'0.953"	38°29'57.512"
765	415521,28	1251275,43	52°35'2.083"	38°30'1.886"
774	415545,64	1251337,08	52°35'2.872"	38°30'5.159"
783	415579,08	1251385,21	52°35'3.952"	38°30'7.718"
792	415606,93	1251457,51	52°35'4.855"	38°30'11.556"
801	415639,39	1251516,93	52°35'5.903"	38°30'14.713"
810	415652,01	1251566,98	52°35'6.310"	38°30'17.374"
819	415661,41	1251624,86	52°35'6.616"	38°30'20.448"
828	415670,5	1251678,01	52°35'6.907"	38°30'23.270"
837	415681,63	1251733,23	52°35'7.267"	38°30'26.204"
846	415687,13	1251795,11	52°35'7.444"	38°30'29.491"
855	415702,78	1251856,54	52°35'7.951"	38°30'32.753"
864	415729,59	1251903,95	52°35'8.819"	38°30'35.273"
873	415736,47	1251963,1	52°35'9.038"	38°30'38.416"
882	415764,74	1252033,92	52°35'9.953"	38°30'42.178"
891	415793,07	1252108,56	52°35'10.867"	38°30'46.141"
900	415814,78	1252189,42	52°35'11.569"	38°30'50.436"
909	415825,4	1252276,35	52°35'11.911"	38°30'55.055"
918	415829,39	1252337,49	52°35'12.041"	38°30'58.302"
927	415832,39	1252380,76	52°35'12.138"	38°31'0.599"
936	415836,52	1252434,41	52°35'12.268"	38°31'3.450"
945	415852,34	1252512,51	52°35'12.779"	38°31'7.597"
954	415881,73	1252544,38	52°35'13.729"	38°31'9.293"
963	415898,21	1252598,25	52°35'14.262"	38°31'12.155"
972	415926,23	1252644,52	52°35'15.169"	38°31'14.614"
981	416006,71	1252720	52°35'17.772"	38°31'18.624"
990	416079,93	1252772,43	52°35'20.137"	38°31'21.410"
999	416194,5	1252847,22	52°35'23.845"	38°31'25.388"
1008	416283,97	1252903,63	52°35'26.736"	38°31'28.387"

1017	416354,2	1252942,14	52°35'29.008"	38°31'30.436"
1026	416403,84	1252952,83	52°35'30.613"	38°31'31.004"
1035	416519,31	1252954,06	52°35'34.350"	38°31'31.073"
1044	416645,57	1252930,31	52°35'38.436"	38°31'29.816"
1053	416708,57	1252894,5	52°35'40.474"	38°31'27.916"
1062	416787,72	1252817,11	52°35'43.037"	38°31'23.804"
1071	416833,47	1252758,68	52°35'44.516"	38°31'20.701"
1080	416934,09	1252623,78	52°35'47.774"	38°31'13.537"
1089	417031,91	1252514,83	52°35'50.939"	38°31'7.752"
1098	417138,94	1252430,37	52°35'54.406"	38°31'3.266"
1107	417270,56	1252331,24	52°35'58.664"	38°30'58.003"
1116	417402,28	1252219,96	52°36'2.927"	38°30'52.096"
1125	417529,89	1252143,9	52°36'7.056"	38°30'48.056"
1134	417703,87	1252042,76	52°36'12.686"	38°30'42.685"
1143	417858,54	1251979,24	52°36'17.690"	38°30'39.316"
1152	417958,07	1251948,51	52°36'20.912"	38°30'37.685"
1161	418027,65	1251927,3	52°36'23.162"	38°30'36.558"
1170	418096,35	1251904,2	52°36'25.384"	38°30'35.330"
1179	418140,31	1251913,57	52°36'26.806"	38°30'35.831"
1188	418243,1	1251861,44	52°36'30.132"	38°30'33.062"
1197	418448,64	1251802,59	52°36'36.781"	38°30'29.938"
1206	418750,89	1251732,36	52°36'46.562"	38°30'26.212"
1215	418984,68	1251705,98	52°36'54.126"	38°30'24.815"
1224	419149,68	1251704,99	52°36'59.465"	38°30'24.764"
1233	419251,72	1251719,84	52°37'2.766"	38°30'25.556"
1242	419338,48	1251709,76	52°37'5.570"	38°30'25.020"
1251	419484,71	1251713,61	52°37'10.301"	38°30'25.229"
1260	419568,14	1251717,57	52°37'13.001"	38°30'25.441"
1269	419634,4	1251736,47	52°37'15.143"	38°30'26.446"
1278	419667,78	1251755,42	52°37'16.223"	38°30'27.454"
1287	419728,18	1251753,09	52°37'18.178"	38°30'27.331"
1296	419756,72	1251785,52	52°37'19.103"	38°30'29.056"
1305	419843,95	1251814,15	52°37'21.922"	38°30'30.578"
1314	419911,39	1251866,1	52°37'24.103"	38°30'33.343"
1323	419998,28	1251954,21	52°37'26.915"	38°30'38.027"
1332	420033,95	1252027,24	52°37'28.067"	38°30'41.911"
1341	420043,03	1252074,3	52°37'28.358"	38°30'44.413"
1350	420035,12	1252137,91	52°37'28.103"	38°30'47.794"
1359	420073,92	1252249,16	52°37'29.356"	38°30'53.708"
1368	420044,01	1252397,09	52°37'28.387"	38°31'1.571"
1377	419934,74	1252578,56	52°37'24.848"	38°31'11.215"
1386	419804,7	1252831,81	52°37'20.636"	38°31'24.676"
1395	419729,52	1253104,9	52°37'18.199"	38°31'39.191"

1404	419725,69	1253340,14	52°37'18.073"	38°31'51.694"
1413	419725,43	1253568,8	52°37'18.059"	38°32'3.851"
1422	419730,9	1253774,9	52°37'18.232"	38°32'14.806"
1431	419776,98	1254160,22	52°37'19.711"	38°32'35.290"
1440	419816,77	1254409,87	52°37'20.993"	38°32'48.563"
1449	419828,71	1254465,93	52°37'21.374"	38°32'51.544"
1458	419844,2	1254563,45	52°37'21.875"	38°32'56.731"
1467	419861,62	1254747,77	52°37'22.433"	38°33'6.530"
1476	419877,65	1254895,37	52°37'22.948"	38°33'14.375"
1485	419896,8	1255039,57	52°37'23.560"	38°33'22.043"
1494	419912,56	1255155,11	52°37'24.067"	38°33'28.184"
1503	419930,83	1255275,87	52°37'24.654"	38°33'34.607"
1512	419958,78	1255419,73	52°37'25.554"	38°33'42.257"
1521	419986,82	1255681,85	52°37'26.450"	38°33'56.192"
1530	420088,14	1256150,51	52°37'29.712"	38°34'21.112"
1539	420184,83	1256488,91	52°37'32.826"	38°34'39.108"
1548	420218,91	1256621,16	52°37'33.920"	38°34'46.142"
1557	420265,39	1256777,76	52°37'35.418"	38°34'54.473"
1566	420359,95	1256977,11	52°37'38.471"	38°35'5.078"
1575	420427,84	1257071,54	52°37'40.660"	38°35'10.104"
1584	420549,82	1257157,58	52°37'44.602"	38°35'14.687"
1593	420670,31	1257199,59	52°37'48.500"	38°35'16.930"
1602	420790,39	1257224,09	52°37'52.381"	38°35'18.240"
1611	420883,44	1257244,96	52°37'55.391"	38°35'19.356"
1620	420971,11	1257265,11	52°37'58.228"	38°35'20.436"
1629	421074,33	1257268,11	52°38'1.565"	38°35'20.602"
1638	421186,77	1257271,05	52°38'5.204"	38°35'20.767"
1647	421328,24	1257287,82	52°38'9.780"	38°35'21.671"
1656	421463,08	1257288,35	52°38'14.143"	38°35'21.710"
1665	421591,01	1257310,27	52°38'18.280"	38°35'22.884"
1674	421728,43	1257337,18	52°38'22.722"	38°35'24.328"
1683	421857,89	1257351,04	52°38'26.912"	38°35'25.076"
1692	422001,07	1257332,61	52°38'31.546"	38°35'24.104"
1701	422112,99	1257301,66	52°38'35.167"	38°35'22.470"
1710	422232,82	1257271,41	52°38'39.044"	38°35'20.868"
1719	422348,61	1257270,95	52°38'42.788"	38°35'20.854"
1728	422446,71	1257291,27	52°38'45.964"	38°35'21.941"
1737	422529,15	1257319,5	52°38'48.628"	38°35'23.449"
1746	422620,8	1257340,94	52°38'51.594"	38°35'24.598"
1755	422699,82	1257356,42	52°38'54.146"	38°35'25.429"
1764	422782,21	1257372,12	52°38'56.814"	38°35'26.268"
1773	422835,32	1257395,7	52°38'58.531"	38°35'27.528"
1782	422956,23	1257412,01	52°39'2.441"	38°35'28.406"

1791	423087,93	1257444,2	52°39'6.700"	38°35'30.127"
1800	423228,09	1257487,71	52°39'11.232"	38°35'32.453"
1809	423464,21	1257552,85	52°39'18.868"	38°35'35.938"
1818	423569,17	1257596,04	52°39'22.262"	38°35'38.245"
1827	423689,5	1257644,93	52°39'26.150"	38°35'40.855"
1836	423739,9	1257686,58	52°39'27.781"	38°35'43.073"
1845	423820,61	1257741,83	52°39'30.388"	38°35'46.021"
1854	423882,38	1257801,72	52°39'32.382"	38°35'49.211"
1863	423941,16	1257873,35	52°39'34.279"	38°35'53.027"
1872	423974,52	1257920,8	52°39'35.359"	38°35'55.554"
1881	424022,38	1257996,79	52°39'36.904"	38°35'59.604"
1890	424071,88	1258072,03	52°39'38.498"	38°36'3.611"
1899	424134,98	1258158,58	52°39'40.536"	38°36'8.219"
1908	424211,14	1258238,77	52°39'42.995"	38°36'12.496"
1917	424270,73	1258324,08	52°39'44.917"	38°36'17.039"
1926	424294,52	1258352,74	52°39'45.688"	38°36'18.565"
1935	424327,84	1258378,62	52°39'46.764"	38°36'19.944"
1944	424378,43	1258445,89	52°39'48.395"	38°36'23.530"
1953	424416,74	1258515,14	52°39'49.633"	38°36'27.216"
1962	424443,02	1258579,49	52°39'50.479"	38°36'30.643"
1971	424461,47	1258663,49	52°39'51.070"	38°36'35.114"
1980	424477,66	1258721,1	52°39'51.592"	38°36'38.182"
1989	424489,05	1258795,2	52°39'51.955"	38°36'42.127"
1998	424508,26	1258876,22	52°39'52.571"	38°36'46.440"
2007	424494,63	1258947,13	52°39'52.128"	38°36'50.209"
2016	424532,06	1259004,29	52°39'53.334"	38°36'53.255"
2025	424544,58	1259079,04	52°39'53.734"	38°36'57.233"
2034	424561,33	1259181,82	52°39'54.270"	38°37'2.705"
2043	424582,29	1259279,44	52°39'54.943"	38°37'7.903"
2052	424589,35	1259376,36	52°39'55.166"	38°37'13.058"
2061	424608,99	1259464,94	52°39'55.796"	38°37'17.774"
2070	424617,6	1259556,7	52°39'56.066"	38°37'22.660"
2079	424618,16	1259634,16	52°39'56.081"	38°37'26.782"
2088	424611,8	1259699,58	52°39'55.872"	38°37'30.259"
2097	424615,42	1259786,57	52°39'55.984"	38°37'34.889"
2106	424619,88	1259919,59	52°39'56.117"	38°37'41.970"
2115	424624,1	1260037,98	52°39'56.246"	38°37'48.270"
2124	424626,65	1260133,01	52°39'56.322"	38°37'53.324"
2133	424629,77	1260202,63	52°39'56.419"	38°37'57.032"
2142	424632,91	1260326,08	52°39'56.513"	38°38'3.599"
2151	424634,09	1260464,33	52°39'56.542"	38°38'10.957"
2160	424625,79	1260547,6	52°39'56.268"	38°38'15.385"
2169	424609,66	1260621,85	52°39'55.739"	38°38'19.334"

2178	424610,08	1260654,42	52°39'55.753"	38°38'21.070"
2187	424597,75	1260710,21	52°39'55.350"	38°38'24.036"
2196	424582,62	1260766,85	52°39'54.857"	38°38'27.049"
2205	424557,4	1260846,55	52°39'54.032"	38°38'31.286"
2214	424504,1	1260956,16	52°39'52.301"	38°38'37.111"
2223	424451,28	1261117,83	52°39'50.580"	38°38'45.708"
2232	424429,87	1261219,9	52°39'49.882"	38°38'51.137"
2241	424399,1	1261268,07	52°39'48.881"	38°38'53.696"
2250	424327,3	1261328,27	52°39'46.555"	38°38'56.890"
2259	424237,92	1261449,41	52°39'43.654"	38°39'3.323"
2268	424181,97	1261573,32	52°39'41.836"	38°39'9.911"
2277	424125,91	1261681,36	52°39'40.014"	38°39'15.653"
2286	424052,68	1261830	52°39'37.634"	38°39'23.551"
2295	424009,78	1261957,31	52°39'36.234"	38°39'30.319"
2304	424033,38	1262126,29	52°39'36.986"	38°39'39.312"
2313	424121,16	1262191,98	52°39'39.820"	38°39'42.818"
2322	424248,77	1262277,07	52°39'43.942"	38°39'47.362"
2331	424413,85	1262384,12	52°39'49.273"	38°39'53.082"
2340	424576,38	1262489,43	52°39'54.522"	38°39'58.705"
2349	424676,69	1262553,41	52°39'57.762"	38°40'2.125"
2358	424788,66	1262626,7	52°40'1.376"	38°40'6.038"
2367	424872,14	1262689,21	52°40'4.073"	38°40'9.376"
2376	424965,89	1262767,12	52°40'7.100"	38°40'13.537"
2385	425052,89	1262835,03	52°40'9.908"	38°40'17.162"
2394	425176,77	1262929,52	52°40'13.908"	38°40'22.210"
2403	425365,79	1263076,63	52°40'20.010"	38°40'30.065"
2412	425520,07	1263205,63	52°40'24.989"	38°40'36.952"
2421	425716,44	1263359,83	52°40'31.328"	38°40'45.185"
2430	425864,29	1263477,76	52°40'36.102"	38°40'51.485"
2439	426004,64	1263600,98	52°40'40.631"	38°40'58.062"
2448	426116,36	1263684,08	52°40'44.238"	38°41'2.501"
2457	426225,67	1263761,99	52°40'47.766"	38°41'6.666"
2466	426336,61	1263845,89	52°40'51.348"	38°41'11.148"
2475	426423,26	1263931,28	52°40'54.145"	38°41'15.706"
2484	426532,56	1264029,63	52°40'57.670"	38°41'20.958"
2493	426664,3	1264137,04	52°41'1.921"	38°41'26.696"
2502	426877,61	1264329,22	52°41'8.804"	38°41'36.960"
2511	427140,7	1264555,35	52°41'17.297"	38°41'49.038"
2520	427419,08	1264743,42	52°41'26.282"	38°41'59.096"
2529	427532,04	1264822,38	52°41'29.929"	38°42'3.319"
2538	427723,26	1264988,1	52°41'36.100"	38°42'12.172"
2547	427931,71	1265210,12	52°41'42.821"	38°42'24.030"
2556	428003,59	1265294,3	52°41'45.139"	38°42'28.523"

2565	428098,48	1265419,79	52°41'48.196"	38°42'35.222"
2574	428140,97	1265522,44	52°41'49.560"	38°42'40.694"
2583	428194,04	1265551,07	52°41'51.274"	38°42'42.228"
2592	428315,42	1265608,1	52°41'55.194"	38°42'45.284"
2601	428402,69	1265646,69	52°41'58.013"	38°42'47.354"
2610	428485,58	1265715,63	52°42'0.688"	38°42'51.041"
2619	428536,29	1265780,93	52°42'2.322"	38°42'54.526"
2628	428580,72	1265821,73	52°42'3.755"	38°42'56.707"
2637	428612,07	1265875,96	52°42'4.763"	38°42'59.602"
2646	428653,57	1265951,5	52°42'6.098"	38°43'3.630"
2655	428746,79	1266066,8	52°42'9.101"	38°43'9.786"
2664	428842,52	1266200,02	52°42'12.182"	38°43'16.900"
2673	428904,08	1266348,97	52°42'14.159"	38°43'24.841"
2682	428970,49	1266444,98	52°42'16.297"	38°43'29.968"
2691	429038,15	1266538,55	52°42'18.475"	38°43'34.964"
2700	429123,54	1266690,42	52°42'21.222"	38°43'43.068"
2709	429263,62	1266874,68	52°42'25.733"	38°43'52.907"
2718	429414,34	1266994,49	52°42'30.593"	38°43'59.315"
2727	429540,34	1267075,58	52°42'34.661"	38°44'3.656"
2736	429591,28	1267161,9	52°42'36.299"	38°44'8.264"
2745	429640,26	1267239,89	52°42'37.876"	38°44'12.430"
2754	429749,19	1267352,9	52°42'41.386"	38°44'18.467"
2763	429828,9	1267444,16	52°42'43.956"	38°44'23.345"
2772	429880,9	1267501,1	52°42'45.630"	38°44'26.387"
2781	429918,74	1267553,26	52°42'46.847"	38°44'29.173"
2790	429934,25	1267590,13	52°42'47.347"	38°44'31.139"
2799	429959,7	1267663,45	52°42'48.161"	38°44'35.052"
2808	429981,76	1267751,52	52°42'48.863"	38°44'39.746"
2817	429997,92	1267834,16	52°42'49.378"	38°44'44.153"
2826	429970,95	1267881,98	52°42'48.499"	38°44'46.694"
2835	430010,05	1267932,82	52°42'49.759"	38°44'49.409"
2844	430012,9	1268019,08	52°42'49.838"	38°44'54.006"
2853	429999,74	1268088,07	52°42'49.406"	38°44'57.678"
2862	429999,57	1268152,92	52°42'49.392"	38°45'1.134"
2871	429984,37	1268224,55	52°42'48.892"	38°45'4.946"
2880	429958,84	1268317,29	52°42'48.056"	38°45'9.878"
2889	429920,53	1268398,77	52°42'46.807"	38°45'14.213"
2898	429873,04	1268461,9	52°42'45.263"	38°45'17.564"
2907	429838,49	1268536,44	52°42'44.136"	38°45'21.528"
2916	429782,36	1268612,33	52°42'42.311"	38°45'25.560"
2925	429713,03	1268707,45	52°42'40.054"	38°45'30.614"
2934	429633,53	1268779,14	52°42'37.476"	38°45'34.416"
2943	429583,15	1268792,52	52°42'35.842"	38°45'35.118"

2952	429538,7	1268859,36	52°42'34.398"	38°45'38.668"
2961	429463,17	1268908,75	52°42'31.946"	38°45'41.285"
2970	429389,36	1268954,37	52°42'29.552"	38°45'43.700"
2979	429246,82	1269056,86	52°42'24.930"	38°45'49.129"
2988	429164,24	1269096,98	52°42'22.252"	38°45'51.246"
2997	429100,31	1269126,49	52°42'20.182"	38°45'52.805"
3006	429071,37	1269186,63	52°42'19.238"	38°45'56.002"
3015	428976,06	1269243,99	52°42'16.146"	38°45'59.036"
3024	428881,08	1269305,08	52°42'13.068"	38°46'2.273"
3033	428776,08	1269361,71	52°42'9.662"	38°46'5.264"
3042	428642,87	1269426,8	52°42'5.346"	38°46'8.702"
3051	428559,28	1269414,62	52°42'2.642"	38°46'8.036"
3060	428506,06	1269431,83	52°42'0.918"	38°46'8.944"
3069	428474,24	1269488,26	52°41'59.881"	38°46'11.942"
3078	428383,01	1269495,74	52°41'56.929"	38°46'12.320"
3087	428353,19	1269543,19	52°41'55.957"	38°46'14.840"
3096	428306,95	1269560,35	52°41'54.460"	38°46'15.744"
3105	428266,4	1269571,75	52°41'53.146"	38°46'16.342"
3114	428095,66	1269627,9	52°41'47.616"	38°46'19.297"
3123	427959	1269676,19	52°41'43.188"	38°46'21.839"
3132	427842,13	1269716,84	52°41'39.404"	38°46'23.977"
3141	427740,79	1269752,18	52°41'36.121"	38°46'25.838"
3150	427641,2	1269790,44	52°41'32.892"	38°46'27.854"
3159	427485,3	1269856,33	52°41'27.841"	38°46'31.328"
3168	427287,85	1269949,31	52°41'21.440"	38°46'36.235"
3177	427176,13	1270010,99	52°41'17.819"	38°46'39.497"
3186	427040,42	1270080,47	52°41'13.420"	38°46'43.165"
3195	426876,28	1270171,9	52°41'8.099"	38°46'47.996"
3204	426715,99	1270267,53	52°41'2.900"	38°46'53.051"
3213	426641,76	1270364,5	52°41'0.485"	38°46'58.199"
3222	426557,89	1270469,33	52°40'57.756"	38°47'3.757"
3231	426503,84	1270613,31	52°40'55.988"	38°47'11.411"
3240	426509,83	1270740,35	52°40'56.165"	38°47'18.175"
3249	426537,37	1270860,88	52°40'57.040"	38°47'24.598"
3258	426559,99	1270938,43	52°40'57.760"	38°47'28.730"
3267	426593,78	1271045,47	52°40'58.840"	38°47'34.436"
3276	426623,45	1271132,09	52°40'59.786"	38°47'39.055"
3285	426657,15	1271226,67	52°41'0.863"	38°47'44.095"
3294	426698,79	1271365,28	52°41'2.191"	38°47'51.482"
3303	426758,69	1271527,33	52°41'4.106"	38°48'0.126"
3312	426841,45	1271667,12	52°41'6.763"	38°48'7.585"
3321	426920,77	1271836,1	52°41'9.305"	38°48'16.600"
3330	427028,16	1272022,66	52°41'12.754"	38°48'26.557"

3339	427133,4	1272175,42	52°41'16.134"	38°48'34.715"
3348	427244,18	1272304,64	52°41'19.702"	38°48'41.620"
3357	427348,15	1272457,17	52°41'23.042"	38°48'49.766"
3366	427510,35	1272671,2	52°41'28.255"	38°49'1.204"
3375	427726,5	1272925,96	52°41'35.210"	38°49'14.819"
3384	427903,59	1273091,86	52°41'40.913"	38°49'23.696"
3393	428083,44	1273244,16	52°41'46.709"	38°49'31.854"
3402	428248,69	1273441,34	52°41'52.022"	38°49'42.395"
3411	428387,36	1273607,51	52°41'56.483"	38°49'51.280"
3420	428587,67	1273812,22	52°42'2.930"	38°50'2.231"
3429	428661,28	1273892,97	52°42'5.299"	38°50'6.551"
3438	428716,63	1273951,08	52°42'7.081"	38°50'9.658"
3447	428782,43	1274029,15	52°42'9.198"	38°50'13.834"
3456	428843,47	1274106,5	52°42'11.160"	38°50'17.970"
3465	428896,06	1274177,68	52°42'12.852"	38°50'21.775"
3474	428942,09	1274243,43	52°42'14.328"	38°50'25.289"
3483	429008,27	1274328,96	52°42'16.456"	38°50'29.861"
3492	429067,67	1274399,02	52°42'18.367"	38°50'33.608"
3501	429114,75	1274455,32	52°42'19.879"	38°50'36.618"
3510	429166,62	1274515,99	52°42'21.550"	38°50'39.862"
3519	429229	1274580,12	52°42'23.555"	38°50'43.296"
3528	429273,14	1274625,2	52°42'24.977"	38°50'45.708"
3537	429340,74	1274687,82	52°42'27.155"	38°50'49.063"
3546	429391,17	1274724,45	52°42'28.778"	38°50'51.025"
3555	429398,32	1274725,83	52°42'29.009"	38°50'51.101"
3564	429391,99	1274750,64	52°42'28.800"	38°50'52.422"
3573	429451,4	1274854,12	52°42'30.704"	38°50'57.948"
3582	429494,98	1274909,57	52°42'32.105"	38°51'0.914"
3591	429548,24	1274986,66	52°42'33.818"	38°51'5.036"
3600	429578,77	1275105,23	52°42'34.783"	38°51'11.358"
3609	429624,01	1275170,55	52°42'36.238"	38°51'14.850"
3618	429672,63	1275242,75	52°42'37.800"	38°51'18.709"
3627	429736,02	1275336,83	52°42'39.834"	38°51'23.738"
3636	429804,06	1275416,36	52°42'42.019"	38°51'27.994"
3645	429848,87	1275467	52°42'43.463"	38°51'30.701"
3654	429871,64	1275475,57	52°42'44.197"	38°51'31.165"
3663	429919,47	1275548,81	52°42'45.731"	38°51'35.078"
3672	429955,19	1275680,71	52°42'46.865"	38°51'42.116"
3681	429966,84	1275800,09	52°42'47.221"	38°51'48.478"
3690	429972,56	1275911,26	52°42'47.387"	38°51'54.403"
3699	429990,37	1276026,19	52°42'47.945"	38°52'0.530"
3708	430008,14	1276135,52	52°42'48.499"	38°52'6.359"
3717	429992,99	1276302,17	52°42'47.981"	38°52'15.229"

3726	429961,92	1276441,22	52°42'46.951"	38°52'22.627"
3735	429935,71	1276550,71	52°42'46.084"	38°52'28.452"
3744	429908,3	1276646,12	52°42'45.180"	38°52'33.528"
3753	429877,67	1276735,48	52°42'44.176"	38°52'38.280"
3762	429843,87	1276825,98	52°42'43.063"	38°52'43.090"
3771	429802,5	1276924,66	52°42'41.710"	38°52'48.335"
3780	429754,27	1277060,63	52°42'40.126"	38°52'55.560"
3789	429677,19	1277226,25	52°42'37.602"	38°53'4.362"
3798	429579,06	1277401,1	52°42'34.394"	38°53'13.646"
3807	429531,74	1277487,77	52°42'32.850"	38°53'18.247"
3816	429475,23	1277599,54	52°42'31.000"	38°53'24.184"
3825	429392	1277769,73	52°42'28.278"	38°53'33.223"
3834	429329,82	1277910,75	52°42'26.240"	38°53'40.715"
3843	429253,02	1278070,77	52°42'23.724"	38°53'49.214"
3852	429154,37	1278193,45	52°42'20.509"	38°53'55.716"
3861	429059,28	1278282,52	52°42'17.417"	38°54'0.432"
3870	428988,6	1278366,81	52°42'15.116"	38°54'4.900"
3879	428846,69	1278494,18	52°42'10.501"	38°54'11.639"
3888	428807,66	1278384,38	52°42'9.259"	38°54'5.778"
3897	428914,48	1278270,02	52°42'12.737"	38°53'59.723"
3906	428996,14	1278211,37	52°42'15.390"	38°53'56.623"
3915	429016,15	1278190,75	52°42'16.042"	38°53'55.532"
3924	429115,95	1278094,58	52°42'19.285"	38°53'50.438"
3933	429228,88	1277881,19	52°42'22.979"	38°53'39.109"
3942	429302,22	1277702,94	52°42'25.384"	38°53'29.638"
3951	429558,81	1277244,52	52°42'33.768"	38°53'5.298"
3960	429654,5	1277039,83	52°42'36.900"	38°52'54.426"
3969	429739,5	1276849,75	52°42'39.683"	38°52'44.324"
3978	429816,12	1276665,04	52°42'42.196"	38°52'34.507"
3987	429873,34	1276454,12	52°42'44.086"	38°52'23.290"
3996	429905,3	1276239,02	52°42'45.155"	38°52'11.842"
4005	429910,9	1276156,5	52°42'45.349"	38°52'7.450"
4014	429898,26	1276055,43	52°42'44.960"	38°52'2.060"
4023	429893,05	1275859,8	52°42'44.824"	38°51'51.638"
4032	429885,98	1275715,94	52°42'44.622"	38°51'43.974"
4041	429809,57	1275575,43	52°42'42.174"	38°51'36.468"
4050	429723,01	1275437,66	52°42'39.395"	38°51'29.106"
4059	429624,03	1275316,21	52°42'36.212"	38°51'22.608"
4068	429545,48	1275166,23	52°42'33.696"	38°51'14.598"
4077	429483,31	1275064,16	52°42'31.702"	38°51'9.144"
4086	429352,09	1274941,79	52°42'27.479"	38°51'2.592"
4095	429240,95	1274851,19	52°42'23.897"	38°50'57.736"
4104	429159,8	1274759,97	52°42'21.287"	38°50'52.854"

4113	429109,18	1274652,14	52°42'19.667"	38°50'47.098"
4122	429008,15	1274511,61	52°42'16.423"	38°50'39.588"
4131	428901,19	1274361,56	52°42'12.985"	38°50'31.567"
4140	428777,82	1274226,12	52°42'9.018"	38°50'24.324"
4149	428652,9	1274052,66	52°42'5.004"	38°50'15.050"
4158	428519,67	1273892,72	52°42'0.720"	38°50'6.500"
4167	428313,02	1273700,4	52°41'54.064"	38°49'56.204"
4176	428128,44	1273464,79	52°41'48.131"	38°49'43.612"
4185	428009,97	1273282,67	52°41'44.326"	38°49'33.884"
4194	427867,15	1273157,88	52°41'39.725"	38°49'27.203"
4203	427689,19	1273026,4	52°41'33.986"	38°49'20.158"
4212	427519,87	1272824,89	52°41'28.540"	38°49'9.386"
4221	427323,87	1272568,79	52°41'22.240"	38°48'55.703"
4230	427261,09	1272470,78	52°41'20.224"	38°48'50.468"
4239	427206,64	1272359,96	52°41'18.478"	38°48'44.557"
4248	427039,1	1272197,33	52°41'13.081"	38°48'35.860"
4257	426789,92	1271830,05	52°41'5.075"	38°48'16.247"
4266	426780,57	1271722,96	52°41'4.787"	38°48'10.544"
4275	426732,66	1271660,87	52°41'3.246"	38°48'7.229"
4284	426685,01	1271612,95	52°41'1.712"	38°48'4.666"
4293	426655,13	1271542,28	52°41'0.755"	38°48'0.896"
4302	426605,32	1271370,47	52°40'59.167"	38°47'51.738"
4311	426557,9	1271222,93	52°40'57.655"	38°47'43.876"
4320	426498,76	1271033,96	52°40'55.769"	38°47'33.803"
4329	426461,63	1270881,75	52°40'54.588"	38°47'25.692"
4338	426446,33	1270784,1	52°40'54.106"	38°47'20.490"
4347	426421,33	1270641,17	52°40'53.317"	38°47'12.876"
4356	426433,53	1270482,56	52°40'53.731"	38°47'4.434"
4365	426500,29	1270384,65	52°40'55.906"	38°46'59.239"
4374	426575,72	1270342,59	52°40'58.350"	38°46'57.018"
4383	426622,61	1270306,06	52°40'59.873"	38°46'55.081"
4392	426646,87	1270235,64	52°41'0.668"	38°46'51.337"
4401	426732,82	1270135,16	52°41'3.462"	38°46'46.009"
4410	426827,56	1270085,73	52°41'6.533"	38°46'43.399"
4419	426974,86	1270037,28	52°41'11.303"	38°46'40.850"
4428	427013,69	1270006,52	52°41'12.566"	38°46'39.223"
4437	427109,59	1269963,33	52°41'15.673"	38°46'36.944"
4446	427225,83	1269902,36	52°41'19.442"	38°46'33.722"
4455	427337,38	1269849,89	52°41'23.057"	38°46'30.954"
4464	427463,45	1269764,41	52°41'27.146"	38°46'26.429"
4473	427574,88	1269696,33	52°41'30.761"	38°46'22.829"
4482	427725,8	1269644,13	52°41'35.650"	38°46'20.082"
4491	427911,17	1269591,72	52°41'41.651"	38°46'17.332"

4500	428142,54	1269512,47	52°41'49.146"	38°46'13.159"
4509	428367,34	1269424,26	52°41'56.432"	38°46'8.512"
4518	428541,69	1269363,04	52°42'2.081"	38°46'5.286"
4527	428718,34	1269291,64	52°42'7.805"	38°46'1.520"
4536	428967,74	1269135,94	52°42'15.890"	38°45'53.280"
4545	429159,85	1269005,77	52°42'22.122"	38°45'46.390"
4554	429326,95	1268907,77	52°42'27.540"	38°45'41.202"
4563	429512,55	1268776,99	52°42'33.559"	38°45'34.276"
4572	429678,13	1268622,37	52°42'38.938"	38°45'26.075"
4581	429746,78	1268543,69	52°42'41.166"	38°45'21.895"
4590	429798,42	1268461,6	52°42'42.847"	38°45'17.536"
4599	429886,36	1268305,7	52°42'45.713"	38°45'9.248"
4608	429936,16	1268076,7	52°42'47.351"	38°44'57.059"
4617	429923,99	1267886,36	52°42'46.980"	38°44'46.918"
4626	429890,65	1267708,96	52°42'45.922"	38°44'37.460"
4635	429800,82	1267601,49	52°42'43.027"	38°44'31.718"
4644	429812,75	1267560,92	52°42'43.420"	38°44'29.562"
4653	429683,85	1267384,68	52°42'39.269"	38°44'20.148"
4662	429545,52	1267222,31	52°42'34.812"	38°44'11.476"
4671	429438,98	1267109,25	52°42'31.378"	38°44'5.431"
4680	429337,33	1267047,89	52°42'28.098"	38°44'2.144"
4689	429268	1267009,97	52°42'25.859"	38°44'0.114"
4698	429145,99	1266887,29	52°42'21.924"	38°43'53.555"
4707	429082,73	1266810,16	52°42'19.886"	38°43'49.436"
4716	428977,06	1266663,51	52°42'16.484"	38°43'41.606"
4725	428879,31	1266492,6	52°42'13.342"	38°43'32.488"
4734	428791,82	1266379,64	52°42'10.523"	38°43'26.454"
4743	428646,35	1266107,15	52°42'5.846"	38°43'11.917"
4752	428553,25	1266030,75	52°42'2.844"	38°43'7.835"
4761	428557,21	1265964,04	52°42'2.977"	38°43'4.282"
4770	428492,32	1265903,11	52°42'0.886"	38°43'1.027"
4779	428420,39	1265811,94	52°41'58.567"	38°42'56.160"
4788	428333,91	1265796,09	52°41'55.774"	38°42'55.300"
4797	428154,94	1265633,19	52°41'49.999"	38°42'46.595"
4806	427891,87	1265344,28	52°41'41.518"	38°42'31.165"
4815	427608,81	1265078,77	52°41'32.388"	38°42'16.981"
4824	427257,06	1264775,02	52°41'21.037"	38°42'0.752"
4833	426736,41	1264341,87	52°41'4.236"	38°41'37.612"
4842	426508,22	1264089,98	52°40'56.878"	38°41'24.166"
4851	426387,57	1264046,11	52°40'52.979"	38°41'21.815"
4860	426274,5	1263929,45	52°40'49.332"	38°41'15.587"
4869	426137,06	1263846,61	52°40'44.893"	38°41'11.155"
4878	425971,83	1263740,24	52°40'39.558"	38°41'5.471"

4887	425870,24	1263654,29	52°40'36.278"	38°41'0.881"
4896	425719,86	1263526,54	52°40'31.426"	38°40'54.059"
4905	425611,38	1263430,4	52°40'27.923"	38°40'48.925"
4914	425495,85	1263326,65	52°40'24.197"	38°40'43.388"
4923	425366,45	1263213,83	52°40'20.021"	38°40'37.366"
4932	425263,99	1263138,09	52°40'16.712"	38°40'33.319"
4941	425170,16	1263048,79	52°40'13.685"	38°40'28.553"
4950	425084,9	1263003,68	52°40'10.931"	38°40'26.141"
4959	424986,63	1262914,81	52°40'7.759"	38°40'21.400"
4968	424875,48	1262823,53	52°40'4.170"	38°40'16.525"
4977	424660,33	1262662,51	52°39'57.222"	38°40'7.928"
4986	424508,76	1262556,75	52°39'52.330"	38°40'2.280"
4995	424305,97	1262416,56	52°39'45.781"	38°39'54.792"
5004	424177,61	1262315,4	52°39'41.634"	38°39'49.392"
5013	424040,94	1262207,08	52°39'37.224"	38°39'43.610"
5022	423959,8	1262138,33	52°39'34.603"	38°39'39.942"
5031	423909,13	1262090,59	52°39'32.969"	38°39'37.397"
5040	423900,39	1262022,95	52°39'32.692"	38°39'33.797"
5049	423926,32	1261896,47	52°39'33.541"	38°39'27.072"
5058	423967,34	1261794,97	52°39'34.873"	38°39'21.676"
5067	423996,96	1261719,43	52°39'35.838"	38°39'17.662"
5076	424059,15	1261602,98	52°39'37.861"	38°39'11.473"
5085	424117,8	1261480,67	52°39'39.766"	38°39'4.972"
5094	424192	1261312,02	52°39'42.178"	38°38'56.008"
5103	424223,89	1261175,62	52°39'43.222"	38°38'48.757"
5112	424295,17	1261065,17	52°39'45.536"	38°38'42.889"
5121	424417,27	1260957,89	52°39'49.493"	38°38'37.194"
5130	424514,24	1260597,36	52°39'52.654"	38°38'18.020"
5139	424522,63	1259939,81	52°39'52.970"	38°37'43.036"
5148	424516,9	1259627,37	52°39'52.805"	38°37'26.407"
5157	424456,69	1259180,65	52°39'50.886"	38°37'2.633"
5166	424409,6	1258794,67	52°39'49.385"	38°36'42.091"
5175	424272,97	1258571,37	52°39'44.978"	38°36'30.197"
5184	424190,43	1258462,82	52°39'42.314"	38°36'24.412"
5193	424118,43	1258408,91	52°39'39.989"	38°36'21.539"
5202	424188,46	1258398,11	52°39'42.253"	38°36'20.970"
5211	424164,28	1258341,18	52°39'41.476"	38°36'17.939"
5220	424085,44	1258259,66	52°39'38.927"	38°36'13.594"
5229	423982,04	1258107,54	52°39'35.590"	38°36'5.490"
5238	423895,53	1257974,44	52°39'32.800"	38°35'58.402"
5247	423777,33	1257847,85	52°39'28.984"	38°35'51.659"
5256	423611,17	1257728,38	52°39'23.612"	38°35'45.287"
5265	423222,38	1257617,95	52°39'11.041"	38°35'39.383"

5274	422692,32	1257472,78	52°38'53.902"	38°35'31.618"
5283	422537,06	1257438,05	52°38'48.880"	38°35'29.756"
5292	422400,34	1257397,56	52°38'44.459"	38°35'27.593"
5301	422236,24	1257382,45	52°38'39.149"	38°35'26.776"
5310	422079,54	1257434,87	52°38'34.076"	38°35'29.551"
5319	421930,05	1257453,73	52°38'29.242"	38°35'30.541"
5328	421714,67	1257441,79	52°38'22.272"	38°35'29.890"
5337	421424,76	1257374,37	52°38'12.898"	38°35'26.282"
5346	421235,84	1257358,69	52°38'6.788"	38°35'25.433"
5355	421043,13	1257348,46	52°38'0.553"	38°35'24.875"
5364	420848,05	1257321,41	52°37'54.242"	38°35'23.420"
5373	420775,98	1257282,65	52°37'51.913"	38°35'21.354"
5382	420702,45	1257302,84	52°37'49.534"	38°35'22.420"
5391	420584,05	1257251,64	52°37'45.707"	38°35'19.691"
5400	420472,67	1257207,37	52°37'42.103"	38°35'17.326"
5409	420351,88	1257130,97	52°37'38.201"	38°35'13.254"
5418	420211,67	1256929,92	52°37'33.676"	38°35'2.558"
5427	420142,43	1256763,71	52°37'31.440"	38°34'53.717"
5436	420101,49	1256615,26	52°37'30.122"	38°34'45.822"
5445	420072,19	1256491,45	52°37'29.179"	38°34'39.238"
5454	419984,86	1256205,26	52°37'26.368"	38°34'24.017"
5463	419924,46	1255946,18	52°37'24.424"	38°34'10.240"
5472	419886,48	1255753,95	52°37'23.203"	38°34'0.019"
5481	419841,29	1255522,27	52°37'21.749"	38°33'47.700"
5490	419825,04	1255397,61	52°37'21.227"	38°33'41.072"
5499	419797,31	1255185,09	52°37'20.338"	38°33'29.772"
5508	419770,23	1254900,4	52°37'19.470"	38°33'14.638"
5517	419734,38	1254626,95	52°37'18.322"	38°33'0.101"
5526	419723,26	1254485,78	52°37'17.965"	38°32'52.595"
5535	419695,02	1254268,72	52°37'17.058"	38°32'41.057"
5544	419643,81	1253883,87	52°37'15.409"	38°32'20.594"
5553	419627,89	1253465,66	52°37'14.905"	38°31'58.364"
5562	419653,91	1253198,87	52°37'15.751"	38°31'44.184"
5571	419657,98	1252998,2	52°37'15.888"	38°31'33.517"
5580	419724,52	1252778,95	52°37'18.044"	38°31'21.864"
5589	419792,03	1252642	52°37'20.230"	38°31'14.585"
5598	419879,01	1252504,06	52°37'23.048"	38°31'7.255"
5607	419936,07	1252393,31	52°37'24.895"	38°31'1.369"
5616	419943,16	1252256,41	52°37'25.126"	38°30'54.090"
5625	419925,8	1252100,27	52°37'24.568"	38°30'45.788"
5634	419881,88	1252003,35	52°37'23.146"	38°30'40.637"
5643	419860,21	1251948,6	52°37'22.447"	38°30'37.724"
5652	419820,71	1251924,99	52°37'21.169"	38°30'36.472"

5661	419691,69	1251857,37	52°37'16.997"	38°30'32.875"
5670	419501,4	1251829,1	52°37'10.841"	38°30'31.367"
5679	419366,45	1251821,52	52°37'6.474"	38°30'30.960"
5688	419274,17	1251804,03	52°37'3.490"	38°30'30.031"
5697	419191,66	1251822,67	52°37'0.818"	38°30'31.021"
5706	419078,34	1251837,36	52°36'57.154"	38°30'31.799"
5715	418912,32	1251843,11	52°36'51.782"	38°30'32.101"
5724	418850,44	1251824,55	52°36'49.781"	38°30'31.111"
5733	418824,1	1251834,05	52°36'48.928"	38°30'31.619"
5742	418727,67	1251846,14	52°36'45.810"	38°30'32.260"
5751	418617,68	1251875,24	52°36'42.250"	38°30'33.804"
5760	418457,52	1251916	52°36'37.069"	38°30'35.964"
5769	418252,67	1251977,27	52°36'30.442"	38°30'39.218"
5778	418072,96	1252006,68	52°36'24.628"	38°30'40.777"
5787	417985,89	1252065,39	52°36'21.809"	38°30'43.895"
5796	417949,09	1252074,4	52°36'20.617"	38°30'44.374"
5805	417893,13	1252086,2	52°36'18.806"	38°30'45.000"
5814	417825,71	1252090,48	52°36'16.628"	38°30'45.223"
5823	417662,57	1252166,46	52°36'11.347"	38°30'49.259"
5832	417633,48	1252162,68	52°36'10.408"	38°30'49.057"
5841	417531,38	1252232,14	52°36'7.103"	38°30'52.744"
5850	417429,57	1252302,17	52°36'3.809"	38°30'56.462"
5859	417399,86	1252345,47	52°36'2.848"	38°30'58.763"
5868	417339,03	1252394,16	52°36'0.878"	38°31'1.348"
5877	417259,61	1252447,12	52°35'58.308"	38°31'4.163"
5886	417133,98	1252533,47	52°35'54.244"	38°31'8.746"
5895	417044,36	1252621,13	52°35'51.342"	38°31'13.400"
5904	416968,59	1252718,53	52°35'48.887"	38°31'18.574"
5913	416880,44	1252821,15	52°35'46.036"	38°31'24.024"
5922	416831,94	1252877,43	52°35'44.466"	38°31'27.012"
5931	416778,5	1252937,04	52°35'42.734"	38°31'30.176"
5940	416741,55	1252977,41	52°35'41.539"	38°31'32.318"
5949	416698,21	1253005,59	52°35'40.135"	38°31'33.816"
5958	416650,55	1253040,1	52°35'38.594"	38°31'35.648"
5967	416604,45	1253062,78	52°35'37.100"	38°31'36.851"
5976	416564,94	1253042,75	52°35'35.822"	38°31'35.785"
5985	416543,46	1253015,88	52°35'35.128"	38°31'34.356"
5994	416514,59	1252997,64	52°35'34.195"	38°31'33.388"
6003	416432,48	1253021,91	52°35'31.538"	38°31'34.673"
6012	416383,66	1253053,34	52°35'29.958"	38°31'36.343"
6021	416284,25	1253013,62	52°35'26.743"	38°31'34.230"
6030	416191,59	1252956,9	52°35'23.748"	38°31'31.213"
6039	416108,15	1252885,61	52°35'21.048"	38°31'27.422"

6048	415983,53	1252809,65	52°35'17.020"	38°31'23.387"
6057	415922,06	1252748,13	52°35'15.032"	38°31'20.114"
6066	415844,64	1252721,39	52°35'12.527"	38°31'18.692"
6075	415766,58	1252611,73	52°35'10.003"	38°31'12.868"
6084	415744,46	1252496,66	52°35'9.290"	38°31'6.755"
6093	415729,58	1252405,27	52°35'8.812"	38°31'1.898"
6102	415706,15	1252316,56	52°35'8.052"	38°30'57.186"
6111	415679,15	1252226,05	52°35'7.181"	38°30'52.380"
6120	415632,6	1252045,31	52°35'5.676"	38°30'42.779"
6129	415594,93	1251902,03	52°35'4.459"	38°30'35.168"
6138	415552,62	1251772,5	52°35'3.095"	38°30'28.289"
6147	415561,59	1251717,78	52°35'3.383"	38°30'25.380"
6156	415528,04	1251626,56	52°35'2.299"	38°30'20.534"
6165	415529,76	1251553,82	52°35'2.357"	38°30'16.672"
6174	415538,37	1251500,59	52°35'2.634"	38°30'13.846"
6183	415500,54	1251447,51	52°35'1.414"	38°30'11.023"
6192	415459,45	1251394,91	52°35'0.082"	38°30'8.230"
6201	415407,63	1251289,04	52°34'58.408"	38°30'2.606"
6210	415365,35	1251097,17	52°34'57.040"	38°29'52.415"
6219	415322,32	1250970,27	52°34'55.650"	38°29'45.676"
6228	415346,64	1250942,06	52°34'56.435"	38°29'44.178"
6237	415358,34	1250928,88	52°34'56.816"	38°29'43.480"
6246	415334,97	1250881,49	52°34'56.060"	38°29'40.960"
6255	415281,28	1250802,17	52°34'54.322"	38°29'36.748"
6264	415216,04	1250723,36	52°34'52.212"	38°29'32.561"
6273	415239,04	1250720,57	52°34'52.957"	38°29'32.413"
6282	415228,62	1250702,3	52°34'52.619"	38°29'31.445"
6291	415239,86	1250678,26	52°34'52.982"	38°29'30.167"
6300	415294,53	1250659,52	52°34'54.754"	38°29'29.173"
6309	415267,99	1250631,86	52°34'53.893"	38°29'27.704"
6318	415220,94	1250623,31	52°34'52.370"	38°29'27.247"
6327	415197,75	1250578,11	52°34'51.622"	38°29'24.850"
6336	415139,29	1250461,89	52°34'49.732"	38°29'18.676"
6345	415042,24	1250276,65	52°34'46.592"	38°29'8.837"
6354	414892,23	1250013,12	52°34'41.740"	38°28'54.844"
6363	414653,48	1249638,2	52°34'34.014"	38°28'34.932"
6372	414501,05	1249412,59	52°34'29.082"	38°28'22.955"
6381	414354,14	1249226,12	52°34'24.326"	38°28'13.055"
6390	414161,33	1249036,72	52°34'18.088"	38°28'3.000"
6399	413982,59	1248904,28	52°34'12.306"	38°27'55.969"
6408	413865,86	1248832,09	52°34'8.530"	38°27'52.139"
6417	413767,02	1248785,14	52°34'5.329"	38°27'49.644"
6426	413679,03	1248735,28	52°34'2.482"	38°27'46.998"

6435	413427,81	1248584,77	52°33'54.353"	38°27'39.013"
6444	413167,32	1248485,03	52°33'45.925"	38°27'33.721"
6453	412898,23	1248442,99	52°33'37.220"	38°27'31.496"
6462	412683,04	1248465,04	52°33'30.258"	38°27'32.670"
6471	412590,23	1248500,82	52°33'27.256"	38°27'34.571"
6480	412525,62	1248503,3	52°33'25.168"	38°27'34.704"
6489	412435,75	1248538,24	52°33'22.259"	38°27'36.558"
6498	412321,68	1248555,68	52°33'18.569"	38°27'37.487"
6507	412169,04	1248567,34	52°33'13.630"	38°27'38.110"
6516	412027,63	1248586,53	52°33'9.058"	38°27'39.128"
6525	411907,54	1248587,55	52°33'5.173"	38°27'39.186"
6534	411767,39	1248586,07	52°33'0.637"	38°27'39.110"
6543	411658,94	1248585,91	52°32'57.131"	38°27'39.103"
6552	411493,99	1248593,62	52°32'51.792"	38°27'39.514"
6561	411385,62	1248603,87	52°32'48.286"	38°27'40.061"
6570	411286,46	1248598,83	52°32'45.078"	38°27'39.794"
6579	411169,35	1248604,33	52°32'41.291"	38°27'40.090"
6588	411060,44	1248605,27	52°32'37.766"	38°27'40.140"
6597	410930,8	1248596,41	52°32'33.572"	38°27'39.672"
6606	410817,45	1248585,1	52°32'29.904"	38°27'39.074"
6615	410681,05	1248565,26	52°32'25.494"	38°27'38.023"
6624	410528,53	1248528,44	52°32'20.558"	38°27'36.072"
6633	410417,8	1248492,41	52°32'16.976"	38°27'34.164"
6642	410328,57	1248463,14	52°32'14.089"	38°27'32.612"
6651	410166,91	1248387,63	52°32'8.858"	38°27'28.609"
6660	410005,81	1248303,33	52°32'3.646"	38°27'24.138"
6669	409856,04	1248187,76	52°31'58.796"	38°27'18.011"

Приложение 2
к постановлению
администрации Липецкой области
«Об установлении местоположения береговых линий
(границ водного объекта), границ водоохранных зон и
границ прибрежных защитных полос реки Сосна»

Каталог координат характерных точек водоохранной зоны участка р. Сосна
от устья р. Воргол до устья р. Сосна, протяженностью 50 км
по правому берегу и 50 км по левому берегу, расположенной
на территории Липецкой области

№ опорной точки	X_МСК - 48	Y_МСК - 48	X_WGS - 84	Y_WGS - 84
1	428987,99	1278545,12	52°42'15.062"	38°54'14.396"
2	428950,89	1278534,5	52°42'13.864"	38°54'13.817"
3	428920,95	1278524,76	52°42'12.899"	38°54'13.291"
4	428889,78	1278516,27	52°42'11.891"	38°54'12.827"
5	428867,94	1278507,09	52°42'11.185"	38°54'12.334"
6	428846,69	1278494,18	52°42'10.501"	38°54'11.639"
7	428666,66	1278441,65	52°42'4.687"	38°54'8.784"
8	428642,9	1278446,8	52°42'3.917"	38°54'9.050"
9	428596,29	1278454,6	52°42'2.408"	38°54'9.454"
10	428549,99	1278462,4	52°42'0.907"	38°54'9.853"
11	428471,58	1278471,93	52°41'58.369"	38°54'10.336"
12	428466,66	1278441,24	52°41'58.218"	38°54'8.701"
13	428477,08	1278377,92	52°41'58.567"	38°54'5.332"
14	428507,02	1278321,16	52°41'59.546"	38°54'2.318"
15	428553,4	1278276,81	52°42'1.055"	38°53'59.971"
16	428611,43	1278249,43	52°42'2.938"	38°53'58.531"
17	428631,69	1278243,61	52°42'3.593"	38°53'58.229"
18	428668,28	1278230,21	52°42'4.781"	38°53'57.527"
19	428686,94	1278220,24	52°42'5.386"	38°53'57.001"
20	428764,98	1278134,41	52°42'7.924"	38°53'52.454"
21	428792,02	1278111,86	52°42'8.806"	38°53'51.263"
22	428811,78	1278089,58	52°42'9.446"	38°53'50.082"
23	428847,37	1278056,49	52°42'10.606"	38°53'48.329"
24	428875,75	1278040,78	52°42'11.527"	38°53'47.501"
25	428898,59	1278020,79	52°42'12.269"	38°53'46.442"
26	428930,9	1278005,16	52°42'13.316"	38°53'45.622"
27	428956,25	1277973,91	52°42'14.141"	38°53'43.966"
28	428970,08	1277953,86	52°42'14.594"	38°53'42.900"
29	429004,43	1277890,06	52°42'15.718"	38°53'39.512"

30	429013	1277878,59	52°42'15.995"	38°53'38.904"
31	429025,23	1277845,78	52°42'16.398"	38°53'37.162"
32	429031,72	1277830,38	52°42'16.610"	38°53'36.344"
33	429094,28	1277678,1	52°42'18.662"	38°53'28.252"
34	429104,45	1277658,1	52°42'18.994"	38°53'27.190"
35	429104,75	1277657,52	52°42'19.004"	38°53'27.161"
36	429109,47	1277648,31	52°42'19.159"	38°53'26.671"
37	429124,03	1277608,87	52°42'19.638"	38°53'24.576"
38	429136,69	1277581,86	52°42'20.052"	38°53'23.140"
39	429182,06	1277501,32	52°42'21.535"	38°53'18.863"
40	429232,09	1277410,19	52°42'23.170"	38°53'14.024"
41	429302,1	1277288,4	52°42'25.456"	38°53'7.559"
42	429383,1	1277148,76	52°42'28.102"	38°53'0.146"
43	429415,83	1277089,61	52°42'29.171"	38°52'57.007"
44	429416,02	1277089,22	52°42'29.178"	38°52'56.986"
45	429422,72	1277075,91	52°42'29.398"	38°52'56.276"
46	429431,28	1277055,2	52°42'29.678"	38°52'55.178"
47	429433,7	1277049,59	52°42'29.758"	38°52'54.880"
48	429447,92	1277017,97	52°42'30.222"	38°52'53.198"
49	429451,82	1277009,61	52°42'30.348"	38°52'52.756"
50	429458,41	1276992,8	52°42'30.564"	38°52'51.863"
51	429467,56	1276968,74	52°42'30.866"	38°52'50.585"
52	429479,01	1276942,78	52°42'31.241"	38°52'49.202"
53	429486,81	1276923,89	52°42'31.496"	38°52'48.202"
54	429497,75	1276899,84	52°42'31.856"	38°52'46.924"
55	429499,22	1276896,7	52°42'31.903"	38°52'46.754"
56	429511,67	1276870,54	52°42'32.310"	38°52'45.365"
57	429522,02	1276847,59	52°42'32.648"	38°52'44.148"
58	429528,41	1276834,8	52°42'32.857"	38°52'43.468"
59	429565,85	1276749,85	52°42'34.085"	38°52'38.953"
60	429578,55	1276718,67	52°42'34.502"	38°52'37.297"
61	429605,25	1276649,36	52°42'35.377"	38°52'33.611"
62	429616,51	1276627,97	52°42'35.744"	38°52'32.477"
63	429679,21	1276405,23	52°42'37.811"	38°52'20.629"
64	429704,64	1276251,33	52°42'38.660"	38°52'12.439"
65	429705,45	1276231,21	52°42'38.693"	38°52'11.370"
66	429696,96	1276175,64	52°42'38.426"	38°52'8.407"
67	429696,55	1276163,1	52°42'38.416"	38°52'7.738"
68	429703,32	1276110,21	52°42'38.642"	38°52'4.922"
69	429702,92	1276102,75	52°42'38.632"	38°52'4.526"
70	429688,63	1275925,37	52°42'38.200"	38°51'55.073"
71	429692,7	1275769,68	52°42'38.358"	38°51'46.782"
72	429691,97	1275767,77	52°42'38.336"	38°51'46.681"
73	429672,13	1275733,98	52°42'37.699"	38°51'44.874"
74	429665,48	1275719,34	52°42'37.487"	38°51'44.093"
75	429664,01	1275716,56	52°42'37.440"	38°51'43.945"
76	429614,93	1275634,26	52°42'35.867"	38°51'39.546"
77	429597,78	1275598,23	52°42'35.316"	38°51'37.624"

78	429597,5	1275597,83	52°42'35.309"	38°51'37.602"
79	429545,94	1275536,38	52°42'33.649"	38°51'34.315"
80	429537,97	1275524,38	52°42'33.394"	38°51'33.671"
81	429509,41	1275491,44	52°42'32.476"	38°51'31.910"
82	429492,18	1275466,86	52°42'31.925"	38°51'30.596"
83	429462,55	1275435,3	52°42'30.971"	38°51'28.908"
84	429434,91	1275394,16	52°42'30.082"	38°51'26.708"
85	429399,93	1275327,46	52°42'28.962"	38°51'23.144"
86	429367,65	1275266,3	52°42'27.929"	38°51'19.879"
87	429359,45	1275241,48	52°42'27.666"	38°51'18.554"
88	429355,35	1275228,37	52°42'27.536"	38°51'17.856"
89	429355,2	1275227,92	52°42'27.533"	38°51'17.831"
90	429348,51	1275212,15	52°42'27.317"	38°51'16.992"
91	429241,29	1275113,07	52°42'23.864"	38°51'11.686"
92	429219,15	1275091,21	52°42'23.152"	38°51'10.512"
93	429197,01	1275068,08	52°42'22.442"	38°51'9.277"
94	429170,48	1275039,36	52°42'21.589"	38°51'7.740"
95	429005,07	1274908,59	52°42'16.258"	38°51'0.731"
96	428999,14	1274900,85	52°42'16.067"	38°51'0.317"
97	428965,71	1274834,62	52°42'14.998"	38°50'56.778"
98	428963,11	1274825,59	52°42'14.915"	38°50'56.299"
99	428959,15	1274788,43	52°42'14.792"	38°50'54.316"
100	428959,12	1274788,38	52°42'14.792"	38°50'54.316"
101	428688,58	1274413,24	52°42'6.102"	38°50'34.264"
102	428638,43	1274370,62	52°42'4.486"	38°50'31.981"
103	428504,16	1274187,52	52°42'0.169"	38°50'22.193"
104	428474,8	1274153,5	52°41'59.226"	38°50'20.375"
105	428414,37	1274068,59	52°41'57.286"	38°50'15.839"
106	428161,1	1273830,63	52°41'49.128"	38°50'3.102"
107	428102,89	1273763,58	52°41'47.256"	38°49'59.516"
108	427909,17	1273503,79	52°41'41.032"	38°49'45.631"
109	427890,57	1273479,16	52°41'40.434"	38°49'44.317"
110	427843,14	1273395,7	52°41'38.911"	38°49'39.860"
111	427829,34	1273382,55	52°41'38.468"	38°49'39.155"
112	427816,67	1273375,87	52°41'38.058"	38°49'38.798"
113	427792,25	1273360,65	52°41'37.270"	38°49'37.981"
114	427781,08	1273352,51	52°41'36.910"	38°49'37.546"
115	427742,16	1273316,27	52°41'35.657"	38°49'35.605"
116	427625,96	1273242,45	52°41'31.909"	38°49'31.645"
117	427564,03	1273186,64	52°41'29.915"	38°49'28.657"
118	427539,53	1273159,07	52°41'29.126"	38°49'27.185"
119	427521,82	1273139,29	52°41'28.558"	38°49'26.126"
120	427360,9	1272946,26	52°41'23.381"	38°49'15.809"
121	427311,42	1272880,38	52°41'21.790"	38°49'12.288"
122	427283,49	1272850,4	52°41'20.890"	38°49'10.686"
123	427274,91	1272840,56	52°41'20.612"	38°49'10.160"
124	427255,79	1272817,13	52°41'20.000"	38°49'8.908"
125	427176,63	1272723,78	52°41'17.452"	38°49'3.918"

126	427159,11	1272698,23	52°41'16.890"	38°49'2.554"
127	427148,98	1272680,68	52°41'16.566"	38°49'1.618"
128	427136,54	1272647,42	52°41'16.166"	38°48'59.843"
129	427082,26	1272560,33	52°41'14.424"	38°48'55.195"
130	427059,87	1272524,2	52°41'13.704"	38°48'53.266"
131	427049,65	1272520,82	52°41'13.376"	38°48'53.082"
132	427006,96	1272493,91	52°41'11.998"	38°48'51.638"
133	426972,36	1272457,17	52°41'10.885"	38°48'49.676"
134	426901,44	1272349,11	52°41'8.606"	38°48'43.906"
135	426875,71	1272312,68	52°41'7.778"	38°48'41.958"
136	426830,49	1272242,8	52°41'6.328"	38°48'38.228"
137	426656,62	1271986,43	52°41'0.740"	38°48'24.538"
138	426590,36	1271883,4	52°40'58.609"	38°48'19.040"
139	426567,92	1271801,58	52°40'57.896"	38°48'14.677"
140	426540,91	1271776,36	52°40'57.025"	38°48'13.331"
141	426507,11	1271718,74	52°40'55.942"	38°48'10.256"
142	426491,76	1271678,39	52°40'55.448"	38°48'8.104"
143	426467,2	1271610,71	52°40'54.664"	38°48'4.496"
144	426466,84	1271609,71	52°40'54.653"	38°48'4.442"
145	426417,25	1271445,42	52°40'53.072"	38°47'55.684"
146	426325,16	1271165,22	52°40'50.135"	38°47'40.747"
147	426315,54	1271129,58	52°40'49.825"	38°47'38.850"
148	426281,8	1270987,24	52°40'48.756"	38°47'31.265"
149	426272,36	1270947,02	52°40'48.454"	38°47'29.123"
150	426243,75	1270794,37	52°40'47.550"	38°47'20.990"
151	426230,47	1270714,17	52°40'47.132"	38°47'16.717"
152	426220,99	1270605,69	52°40'46.841"	38°47'10.943"
153	426219,27	1270536,47	52°40'46.794"	38°47'7.256"
154	426230,92	1270458,31	52°40'47.183"	38°47'3.098"
155	426260,62	1270385,05	52°40'48.151"	38°46'59.207"
156	426289,61	1270322,68	52°40'49.098"	38°46'55.895"
157	426310,27	1270292	52°40'49.771"	38°46'54.264"
158	426341,78	1270257,04	52°40'50.794"	38°46'52.410"
159	426376,08	1270227,9	52°40'51.910"	38°46'50.866"
160	426406,51	1270208	52°40'52.896"	38°46'49.814"
161	426421,06	1270200,27	52°40'53.368"	38°46'49.408"
162	426444,36	1270188,88	52°40'54.124"	38°46'48.806"
163	426467,99	1270139,94	52°40'54.894"	38°46'46.204"
164	426475,81	1270123,37	52°40'55.150"	38°46'45.325"
165	426510,37	1270069,16	52°40'56.273"	38°46'42.445"
166	426539,34	1270033,66	52°40'57.216"	38°46'40.562"
167	426589,88	1269990,81	52°40'58.858"	38°46'38.294"
168	426699,48	1269935,71	52°41'2.411"	38°46'35.386"
169	426719,15	1269917,66	52°41'3.048"	38°46'34.428"
170	426785,06	1269886,3	52°41'5.183"	38°46'32.772"
171	426832,76	1269880,96	52°41'6.727"	38°46'32.498"
172	426860,84	1269867,5	52°41'7.638"	38°46'31.789"
173	426882,68	1269847,47	52°41'8.347"	38°46'30.727"

174	426889	1269842,35	52°41'8.552"	38°46'30.454"
175	427036,35	1269773,88	52°41'13.330"	38°46'26.843"
176	427068,01	1269767,35	52°41'14.352"	38°46'26.501"
177	427300,84	1269644,74	52°41'21.901"	38°46'20.024"
178	427319,97	1269625,08	52°41'22.524"	38°46'18.980"
179	427423,57	1269558,55	52°41'25.883"	38°46'15.460"
180	427547,18	1269491,18	52°41'29.890"	38°46'11.899"
181	427747,5	1269424,11	52°41'36.380"	38°46'8.371"
182	427851,7	1269400,11	52°41'39.754"	38°46'7.115"
183	428198,06	1269280,91	52°41'50.975"	38°46'0.840"
184	428325,41	1269220,89	52°41'55.100"	38°45'57.672"
185	428397,6	1269188,7	52°41'57.440"	38°45'55.973"
186	428430,67	1269178,13	52°41'58.513"	38°45'55.418"
187	428528,97	1269157,62	52°42'1.696"	38°45'54.346"
188	428571,85	1269141,48	52°42'3.082"	38°45'53.496"
189	428765,22	1269043,31	52°42'9.353"	38°45'48.305"
190	428808,32	1269005,05	52°42'10.750"	38°45'46.278"
191	428879,89	1268950,2	52°42'13.072"	38°45'43.373"
192	428991,83	1268874,57	52°42'16.704"	38°45'39.366"
193	429059,14	1268832,97	52°42'18.886"	38°45'37.166"
194	429134,1	1268791,74	52°42'21.316"	38°45'34.985"
195	429229,8	1268732,95	52°42'24.419"	38°45'31.874"
196	429337,96	1268659,18	52°42'27.929"	38°45'27.965"
197	429464,75	1268559,33	52°42'32.040"	38°45'22.673"
198	429517,9	1268501,91	52°42'33.768"	38°45'19.627"
199	429538,22	1268467,04	52°42'34.430"	38°45'17.773"
200	429583,9	1268417,1	52°42'35.914"	38°45'15.120"
201	429668,85	1268291,49	52°42'38.678"	38°45'8.449"
202	429687,67	1268259,56	52°42'39.290"	38°45'6.750"
203	429726,63	1268154,71	52°42'40.561"	38°45'1.174"
204	429735,76	1268082,34	52°42'40.867"	38°44'57.322"
205	429724,12	1267904,31	52°42'40.511"	38°44'47.836"
206	429727,04	1267873,14	52°42'40.608"	38°44'46.176"
207	429695,45	1267774,63	52°42'39.600"	38°44'40.924"
208	429629,57	1267711,54	52°42'37.476"	38°44'37.550"
209	429593,27	1267640,25	52°42'36.310"	38°44'33.745"
210	429586,75	1267590,76	52°42'36.104"	38°44'31.106"
211	429465,97	1267435,32	52°42'32.216"	38°44'22.805"
212	429408,24	1267372,18	52°42'30.355"	38°44'19.432"
213	429358,05	1267307,58	52°42'28.739"	38°44'15.979"
214	429236,39	1267226,06	52°42'24.811"	38°44'11.616"
215	429206,42	1267205,81	52°42'23.843"	38°44'10.532"
216	429127,19	1267154,28	52°42'21.287"	38°44'7.771"
217	429063,31	1267096,3	52°42'19.228"	38°44'4.672"
218	428989,81	1267012,63	52°42'16.859"	38°44'0.204"
219	428968,37	1266997,9	52°42'16.168"	38°43'59.416"
220	428934,61	1266956,16	52°42'15.080"	38°43'57.184"
221	428923,36	1266930,35	52°42'14.717"	38°43'55.808"

222	428867,86	1266855,25	52°42'12.931"	38°43'51.798"
223	428758,07	1266688,9	52°42'9.400"	38°43'42.920"
224	428721,45	1266616,67	52°42'8.222"	38°43'39.065"
225	428713,45	1266607,64	52°42'7.963"	38°43'38.582"
226	428667,73	1266538,16	52°42'6.491"	38°43'34.874"
227	428647,41	1266518,01	52°42'5.836"	38°43'33.798"
228	428601,69	1266452,81	52°42'4.363"	38°43'30.317"
229	428572,85	1266394,08	52°42'3.438"	38°43'27.185"
230	428538,24	1266316,53	52°42'2.326"	38°43'23.048"
231	428536,47	1266312,7	52°42'2.272"	38°43'22.847"
232	428529,26	1266296,59	52°42'2.038"	38°43'21.986"
233	428504,48	1266248,24	52°42'1.242"	38°43'19.405"
234	428499,61	1266243,61	52°42'1.084"	38°43'19.160"
235	428490,28	1266231,89	52°42'0.785"	38°43'18.534"
236	428459,68	1266210,89	52°41'59.798"	38°43'17.411"
237	428425,68	1266187,44	52°41'58.700"	38°43'16.154"
238	428394,14	1266152,2	52°41'57.682"	38°43'14.272"
239	428389,49	1266145,56	52°41'57.534"	38°43'13.919"
240	428361,72	1266088,33	52°41'56.641"	38°43'10.866"
241	428358,14	1266061,43	52°41'56.526"	38°43'9.433"
242	428331,91	1266029,01	52°41'55.684"	38°43'7.702"
243	428277,89	1265988,31	52°41'53.941"	38°43'5.524"
244	428236,85	1265973,46	52°41'52.613"	38°43'4.728"
245	428226,02	1265968,14	52°41'52.264"	38°43'4.444"
246	428195,89	1265949,89	52°41'51.292"	38°43'3.464"
247	428174,19	1265933,97	52°41'50.590"	38°43'2.615"
248	427916,81	1265669,11	52°41'42.292"	38°42'48.467"
249	427914,16	1265666,08	52°41'42.205"	38°42'48.305"
250	427624,39	1265364,71	52°41'32.863"	38°42'32.209"
251	427318,63	1265079,89	52°41'22.999"	38°42'16.996"
252	427282,8	1265043,18	52°41'21.844"	38°42'15.034"
253	427273,45	1265035,77	52°41'21.541"	38°42'14.638"
254	427197,49	1264974,03	52°41'19.093"	38°42'11.340"
255	427186,93	1264966,48	52°41'18.751"	38°42'10.937"
256	427094,12	1264905,51	52°41'15.756"	38°42'7.675"
257	426985,39	1264838,85	52°41'12.242"	38°42'4.108"
258	426895,71	1264776,84	52°41'9.348"	38°42'0.792"
259	426843,59	1264728,43	52°41'7.667"	38°41'58.207"
260	426841,92	1264726,77	52°41'7.613"	38°41'58.117"
261	426754,73	1264639,66	52°41'4.801"	38°41'53.466"
262	426680,05	1264567,29	52°41'2.393"	38°41'49.603"
263	426596,98	1264485,25	52°40'59.711"	38°41'45.222"
264	426448,82	1264348,45	52°40'54.934"	38°41'37.918"
265	426410,6	1264306,86	52°40'53.699"	38°41'35.696"
266	426392,98	1264301,65	52°40'53.130"	38°41'35.416"
267	426346,21	1264281,35	52°40'51.618"	38°41'34.328"
268	426236,53	1264177,21	52°40'48.079"	38°41'28.770"
269	426194,34	1264119,98	52°40'46.722"	38°41'25.717"

270	426118,12	1264066,03	52°40'44.260"	38°41'22.834"
271	425780,84	1263840,12	52°40'33.370"	38°41'10.759"
272	425568,65	1263662,2	52°40'26.522"	38°41'1.259"
273	425184,21	1263323,45	52°40'14.117"	38°40'43.172"
274	425110,93	1263271,98	52°40'11.748"	38°40'40.422"
275	425028,94	1263208,39	52°40'9.102"	38°40'37.027"
276	424956,53	1263157,61	52°40'6.762"	38°40'34.316"
277	424915,91	1263119	52°40'5.452"	38°40'32.254"
278	424787,77	1263010,59	52°40'1.315"	38°40'26.468"
279	424615,07	1262872,65	52°39'55.742"	38°40'19.103"
280	424274,07	1262638,69	52°39'44.730"	38°40'6.607"
281	424013,23	1262440,84	52°39'36.306"	38°39'56.045"
282	423759,11	1262222,85	52°39'28.105"	38°39'44.413"
283	423706,67	1262086,27	52°39'26.420"	38°39'37.141"
284	423699,05	1261975,14	52°39'26.183"	38°39'31.226"
285	423730,82	1261854,27	52°39'27.220"	38°39'24.800"
286	423790,32	1261675,95	52°39'29.156"	38°39'15.322"
287	423895,96	1261481,53	52°39'32.591"	38°39'4.990"
288	424015,41	1261201,96	52°39'36.475"	38°38'50.132"
289	424021,04	1261168,36	52°39'36.659"	38°38'48.343"
290	424037,6	1261100,02	52°39'37.199"	38°38'44.711"
291	424061,8	1261036,98	52°39'37.987"	38°38'41.359"
292	424098,05	1260977,61	52°39'39.164"	38°38'38.206"
293	424148,84	1260926,96	52°39'40.810"	38°38'35.516"
294	424200,97	1260886,78	52°39'42.502"	38°38'33.385"
295	424243,9	1260858,95	52°39'43.891"	38°38'31.909"
296	424259,57	1260834,46	52°39'44.399"	38°38'30.606"
297	424281,22	1260775,55	52°39'45.104"	38°38'27.478"
298	424315,37	1260574,95	52°39'46.224"	38°38'16.807"
299	424330,9	1260310,47	52°39'46.742"	38°38'2.735"
300	424322,67	1259887,69	52°39'46.505"	38°37'40.238"
301	424310,56	1259562,08	52°39'46.134"	38°37'22.912"
302	424298,25	1259443,57	52°39'45.745"	38°37'16.608"
303	424288,76	1259378,31	52°39'45.439"	38°37'13.134"
304	424260,09	1259217,39	52°39'44.525"	38°37'4.570"
305	424259,79	1259215,74	52°39'44.514"	38°37'4.480"
306	424234,6	1259058,76	52°39'43.708"	38°36'56.124"
307	424219,76	1258918,63	52°39'43.236"	38°36'48.668"
308	424215,71	1258844,81	52°39'43.110"	38°36'44.741"
309	424201,03	1258805,45	52°39'42.638"	38°36'42.646"
310	424094,66	1258677,76	52°39'39.204"	38°36'35.842"
311	424070,66	1258645,29	52°39'38.430"	38°36'34.110"
312	424002,76	1258610,35	52°39'36.234"	38°36'32.245"
313	423944,17	1258542,43	52°39'34.344"	38°36'28.627"
314	423917,36	1258467,87	52°39'33.480"	38°36'24.656"
315	423919,03	1258371	52°39'33.538"	38°36'19.501"
316	423694,72	1258041,76	52°39'26.298"	38°36'1.966"
317	423572,97	1257937,22	52°39'22.367"	38°35'56.396"

318	423519,48	1257906,43	52°39'20.639"	38°35'54.751"
319	423378,06	1257860,08	52°39'16.063"	38°35'52.274"
320	423288,02	1257841,37	52°39'13.154"	38°35'51.270"
321	423248,32	1257832,67	52°39'11.869"	38°35'50.806"
322	423078,82	1257785,47	52°39'6.386"	38°35'48.282"
323	422774,41	1257701,32	52°38'56.544"	38°35'43.778"
324	422617,88	1257661,17	52°38'51.482"	38°35'41.629"
325	422507,73	1257640,23	52°38'47.918"	38°35'40.506"
326	422367,88	1257597,76	52°38'43.397"	38°35'38.238"
327	422344,11	1257588,31	52°38'42.630"	38°35'37.734"
328	422277,52	1257579,84	52°38'40.474"	38°35'37.277"
329	422233,83	1257590,79	52°38'39.062"	38°35'37.856"
330	422110,04	1257633,58	52°38'35.056"	38°35'40.121"
331	422041,08	1257647,68	52°38'32.824"	38°35'40.866"
332	421920,85	1257655,61	52°38'28.932"	38°35'41.276"
333	421864,34	1257657,71	52°38'27.103"	38°35'41.384"
334	421703,79	1257642,93	52°38'21.912"	38°35'40.585"
335	421530,55	1257602,08	52°38'16.310"	38°35'38.400"
336	421487,78	1257588,96	52°38'14.924"	38°35'37.698"
337	421466,18	1257583,24	52°38'14.226"	38°35'37.392"
338	421437,98	1257577,37	52°38'13.315"	38°35'37.079"
339	421407,03	1257573,62	52°38'12.314"	38°35'36.874"
340	421343,13	1257569,46	52°38'10.248"	38°35'36.647"
341	421306,13	1257564,76	52°38'9.049"	38°35'36.395"
342	421191,03	1257553,6	52°38'5.327"	38°35'35.794"
343	421149,9	1257544,5	52°38'3.998"	38°35'35.308"
344	421131,24	1257541,27	52°38'3.394"	38°35'35.131"
345	421103,32	1257545,11	52°38'2.490"	38°35'35.333"
346	421055,5	1257548,08	52°38'0.942"	38°35'35.488"
347	421040,28	1257548,44	52°38'0.452"	38°35'35.506"
348	420910,26	1257539	52°37'56.244"	38°35'34.994"
349	420851,09	1257526,82	52°37'54.332"	38°35'34.343"
350	420766,64	1257501,83	52°37'51.600"	38°35'33.007"
351	420688,98	1257504,08	52°37'49.087"	38°35'33.119"
352	420661,74	1257498,88	52°37'48.209"	38°35'32.842"
353	420416,69	1257400,76	52°37'40.285"	38°35'27.604"
354	420256,35	1257317,68	52°37'35.101"	38°35'23.176"
355	420241,16	1257304,9	52°37'34.612"	38°35'22.495"
356	420183,66	1257243,93	52°37'32.754"	38°35'19.248"
357	420127,65	1257165,85	52°37'30.943"	38°35'15.094"
358	420074,62	1257083,81	52°37'29.233"	38°35'10.727"
359	420035,29	1257026,33	52°37'27.962"	38°35'7.670"
360	420007,58	1256966,72	52°37'27.070"	38°35'4.499"
361	419902,52	1256642,77	52°37'23.686"	38°34'47.269"
362	419884,77	1256563,39	52°37'23.113"	38°34'43.046"
363	419804,2	1256294,79	52°37'20.521"	38°34'28.765"
364	419765,07	1256155,86	52°37'19.258"	38°34'21.374"
365	419753,25	1256111,23	52°37'18.880"	38°34'19.002"

366	419746,31	1256083,19	52°37'18.656"	38°34'17.512"
367	419738,67	1256044,45	52°37'18.408"	38°34'15.452"
368	419725,24	1255970,48	52°37'17.980"	38°34'11.518"
369	419647,87	1255573,14	52°37'15.488"	38°33'50.393"
370	419633,38	1255503,75	52°37'15.024"	38°33'46.703"
371	419628,65	1255471,6	52°37'14.873"	38°33'44.993"
372	419623,68	1255411,27	52°37'14.714"	38°33'41.785"
373	419594,55	1255166,8	52°37'13.778"	38°33'28.789"
374	419579,7	1254978,08	52°37'13.303"	38°33'18.756"
375	419552,23	1254771,83	52°37'12.421"	38°33'7.790"
376	419505,38	1254389,74	52°37'10.920"	38°32'47.479"
377	419490,34	1254290,16	52°37'10.434"	38°32'42.187"
378	419455,47	1254029,61	52°37'9.314"	38°32'28.334"
379	419455,4	1254028,73	52°37'9.311"	38°32'28.288"
380	419438,01	1253836,97	52°37'8.753"	38°32'18.092"
381	419437,06	1253805,52	52°37'8.724"	38°32'16.422"
382	419426,99	1253726,1	52°37'8.400"	38°32'12.199"
383	419427,35	1253563,23	52°37'8.414"	38°32'3.545"
384	419430,38	1253378,45	52°37'8.519"	38°31'53.720"
385	419437,97	1253301,42	52°37'8.764"	38°31'49.627"
386	419439,09	1253247,17	52°37'8.803"	38°31'46.744"
387	419447,66	1253196,96	52°37'9.080"	38°31'44.076"
388	419453,96	1253176,32	52°37'9.286"	38°31'42.978"
389	419449,23	1253041,88	52°37'9.134"	38°31'35.832"
390	419452,5	1252988,28	52°37'9.242"	38°31'32.981"
391	419462,66	1252952,26	52°37'9.570"	38°31'31.069"
392	419469,33	1252898,5	52°37'9.786"	38°31'28.211"
393	419527,37	1252736,29	52°37'11.669"	38°31'19.589"
394	419615,26	1252548,44	52°37'14.513"	38°31'9.606"
395	419691,81	1252425,38	52°37'16.993"	38°31'3.068"
396	419749,24	1252320,91	52°37'18.851"	38°30'57.517"
397	419726,61	1252181,36	52°37'18.120"	38°30'50.098"
398	419726,21	1252128,3	52°37'18.109"	38°30'47.275"
399	419658,74	1252056,71	52°37'15.928"	38°30'43.470"
400	419587,13	1252034,54	52°37'13.613"	38°30'42.289"
401	419586,27	1252034,32	52°37'13.584"	38°30'42.278"
402	419472,06	1252030,48	52°37'9.890"	38°30'42.070"
403	419375,55	1252022,23	52°37'6.766"	38°30'41.630"
404	419328,92	1252022,11	52°37'5.257"	38°30'41.623"
405	419267,86	1252012,45	52°37'3.284"	38°30'41.108"
406	419098,97	1252036,29	52°36'57.820"	38°30'42.372"
407	419035,82	1252042,76	52°36'55.775"	38°30'42.714"
408	419015,12	1252044,24	52°36'55.105"	38°30'42.793"
409	418882,71	1252040,9	52°36'50.821"	38°30'42.613"
410	418855,08	1252036,92	52°36'49.928"	38°30'42.401"
411	418718,03	1252050,67	52°36'45.493"	38°30'43.128"
412	418546,21	1252103,15	52°36'39.935"	38°30'45.914"
413	418522,9	1252105,22	52°36'39.182"	38°30'46.022"

414	418481,99	1252119,99	52°36'37.858"	38°30'46.807"
415	418412,67	1252133,12	52°36'35.615"	38°30'47.502"
416	418285,1	1252176,18	52°36'31.489"	38°30'49.788"
417	418224,75	1252190,04	52°36'29.534"	38°30'50.522"
418	418187,17	1252194,3	52°36'28.318"	38°30'50.749"
419	418141,13	1252197,73	52°36'26.831"	38°30'50.929"
420	418131,73	1252202,26	52°36'26.525"	38°30'51.170"
421	418090,32	1252238,13	52°36'25.186"	38°30'53.075"
422	418038,22	1252262,94	52°36'23.501"	38°30'54.392"
423	417988,09	1252277,62	52°36'21.877"	38°30'55.174"
424	417939,24	1252280,92	52°36'20.297"	38°30'55.346"
425	417878,3	1252285,61	52°36'18.324"	38°30'55.595"
426	417776	1252338,71	52°36'15.016"	38°30'58.414"
427	417606,39	1252420,53	52°36'9.526"	38°31'2.755"
428	417529,17	1252497,97	52°36'7.027"	38°31'6.870"
429	417220,07	1252724,62	52°35'57.023"	38°31'18.905"
430	416958,64	1253039,83	52°35'48.559"	38°31'35.641"
431	416862,37	1253136,79	52°35'45.445"	38°31'40.793"
432	416809,87	1253171,51	52°35'43.746"	38°31'42.632"
433	416757,9	1253209,03	52°35'42.061"	38°31'44.627"
434	416682,98	1253248,46	52°35'39.638"	38°31'46.718"
435	416662,54	1253254,98	52°35'38.976"	38°31'47.064"
436	416578,18	1253263,32	52°35'36.247"	38°31'47.503"
437	416537,23	1253257,04	52°35'34.922"	38°31'47.168"
438	416500,27	1253244,46	52°35'33.727"	38°31'46.499"
439	416477,28	1253230,72	52°35'32.986"	38°31'45.768"
440	416457,38	1253238,44	52°35'32.341"	38°31'46.178"
441	416452,31	1253238,59	52°35'32.176"	38°31'46.186"
442	416408,12	1253251,84	52°35'30.746"	38°31'46.888"
443	416380,1	1253254,19	52°35'29.839"	38°31'47.010"
444	416303,99	1253242,52	52°35'27.377"	38°31'46.391"
445	416247,55	1253219,68	52°35'25.552"	38°31'45.174"
446	416148,26	1253170,12	52°35'22.340"	38°31'42.539"
447	416104,1	1253140,22	52°35'20.915"	38°31'40.948"
448	415980,46	1253040,8	52°35'16.915"	38°31'35.663"
449	415945,56	1253018,69	52°35'15.788"	38°31'34.489"
450	415941,1	1253016,04	52°35'15.641"	38°31'34.349"
451	415903,82	1252993,84	52°35'14.438"	38°31'33.168"
452	415900,85	1252992,27	52°35'14.341"	38°31'33.082"
453	415835,16	1252946,91	52°35'12.217"	38°31'30.673"
454	415832,16	1252942,4	52°35'12.120"	38°31'30.432"
455	415827,61	1252939,47	52°35'11.972"	38°31'30.277"
456	415822,27	1252938,6	52°35'11.800"	38°31'30.230"
457	415816,55	1252936,81	52°35'11.616"	38°31'30.133"
458	415739,19	1252892,37	52°35'9.114"	38°31'27.772"
459	415691,14	1252853,68	52°35'7.559"	38°31'25.716"
460	415668,55	1252830,29	52°35'6.828"	38°31'24.474"
461	415645,22	1252801,58	52°35'6.076"	38°31'22.948"

462	415608,81	1252746,46	52°35'4.898"	38°31'20.017"
463	415593,62	1252718,15	52°35'4.405"	38°31'18.516"
464	415578,25	1252679,05	52°35'3.908"	38°31'16.435"
465	415540,34	1252547,64	52°35'2.684"	38°31'9.455"
466	415540,63	1252530,45	52°35'2.695"	38°31'8.544"
467	415536,43	1252518,07	52°35'2.558"	38°31'7.885"
468	415526,61	1252469,88	52°35'2.242"	38°31'5.326"
469	415525,16	1252451,36	52°35'2.195"	38°31'4.343"
470	415466,29	1252186,52	52°35'0.294"	38°30'50.274"
471	415462,15	1252171,63	52°35'0.161"	38°30'49.482"
472	415436,44	1252086,03	52°34'59.329"	38°30'44.935"
473	415428,73	1252048,47	52°34'59.081"	38°30'42.941"
474	415423,84	1252006,26	52°34'58.926"	38°30'40.702"
475	415423,74	1252005,37	52°34'58.922"	38°30'40.651"
476	415395,79	1251948,69	52°34'58.019"	38°30'37.642"
477	415376,35	1251895,29	52°34'57.389"	38°30'34.805"
478	415355,44	1251824,06	52°34'56.712"	38°30'31.021"
479	415351,08	1251765,29	52°34'56.572"	38°30'27.900"
480	415328,04	1251628	52°34'55.830"	38°30'20.606"
481	415327,97	1251616,95	52°34'55.826"	38°30'20.023"
482	415329,42	1251605,21	52°34'55.873"	38°30'19.397"
483	415329,46	1251566,02	52°34'55.877"	38°30'17.316"
484	415327,64	1251549,79	52°34'55.816"	38°30'16.456"
485	415316,51	1251535,03	52°34'55.459"	38°30'15.671"
486	415306,77	1251524,41	52°34'55.142"	38°30'15.106"
487	415259,61	1251453,97	52°34'53.616"	38°30'11.365"
488	415250	1251437,37	52°34'53.306"	38°30'10.483"
489	415233,23	1251402,3	52°34'52.763"	38°30'8.618"
490	415172,29	1251158,29	52°34'50.794"	38°29'55.662"
491	415132,91	1251035,38	52°34'49.523"	38°29'49.132"
492	415118,38	1250965,45	52°34'49.051"	38°29'45.416"
493	415118,12	1250955,15	52°34'49.044"	38°29'44.873"
494	415121,31	1250930,71	52°34'49.148"	38°29'43.573"
495	415104,28	1250896,04	52°34'48.598"	38°29'41.734"
496	415096,71	1250880,68	52°34'48.353"	38°29'40.916"
497	415070,94	1250863,95	52°34'47.518"	38°29'40.027"
498	415067,36	1250860,42	52°34'47.402"	38°29'39.840"
499	415026,8	1250803,14	52°34'46.088"	38°29'36.798"
500	415008,52	1250735,39	52°34'45.498"	38°29'33.198"
501	415014,57	1250667,74	52°34'45.696"	38°29'29.605"
502	415015,76	1250662,52	52°34'45.732"	38°29'29.328"
503	415014,64	1250657,29	52°34'45.696"	38°29'29.051"
504	415011,44	1250653	52°34'45.595"	38°29'28.824"
505	414934,3	1250497,66	52°34'43.097"	38°29'20.573"
506	414929,9	1250488,46	52°34'42.956"	38°29'20.087"
507	414910,48	1250458,99	52°34'42.326"	38°29'18.521"
508	414882,16	1250410,15	52°34'41.412"	38°29'15.925"
509	414872,67	1250385,77	52°34'41.106"	38°29'14.633"

510	414820,64	1250292,13	52°34'39.421"	38°29'9.658"
511	414798,94	1250252,48	52°34'38.719"	38°29'7.552"
512	414739,2	1250142,9	52°34'36.786"	38°29'1.734"
513	414568,14	1249874,57	52°34'31.253"	38°28'47.485"
514	414472,75	1249723,84	52°34'28.168"	38°28'39.482"
515	414375,09	1249566,42	52°34'25.007"	38°28'31.123"
516	414319,29	1249496,87	52°34'23.200"	38°28'27.430"
517	414319,04	1249496,47	52°34'23.192"	38°28'27.408"
518	414080,3	1249232,96	52°34'15.467"	38°28'13.418"
519	413834,19	1249045,26	52°34'7.507"	38°28'3.457"
520	413618,86	1248931,83	52°34'0.538"	38°27'57.434"
521	413258,28	1248723,39	52°33'48.870"	38°27'46.375"
522	413040,49	1248656,54	52°33'41.825"	38°27'42.829"
523	412797,33	1248654,2	52°33'33.959"	38°27'42.710"
524	412562,44	1248704,87	52°33'26.359"	38°27'45.403"
525	412376,87	1248748,41	52°33'20.358"	38°27'47.714"
526	412275,84	1248760,58	52°33'17.089"	38°27'48.362"
527	412088,99	1248781,31	52°33'11.045"	38°27'49.468"
528	412037,48	1248786,6	52°33'9.378"	38°27'49.748"
529	411616,57	1248784,55	52°32'55.759"	38°27'49.644"
530	411173,31	1248804,29	52°32'41.420"	38°27'50.699"
531	410961,71	1248803,25	52°32'34.573"	38°27'50.648"
532	410765,02	1248780,13	52°32'28.212"	38°27'49.424"
533	410559,2	1248740,55	52°32'21.552"	38°27'47.326"
534	410558,46	1248740,35	52°32'21.527"	38°27'47.315"
535	410326,89	1248675,74	52°32'14.035"	38°27'43.891"
536	410197,71	1248626,04	52°32'9.856"	38°27'41.256"
537	410071,55	1248563,43	52°32'5.773"	38°27'37.937"
538	409895,36	1248470,07	52°32'0.074"	38°27'32.987"
539	409751,93	1248361,19	52°31'55.430"	38°27'27.212"
540	409567,23	1248235,17	52°31'49.454"	38°27'20.531"
541	409858,74	1247813,26	52°31'58.879"	38°26'58.142"
542	409860,02	1247814,17	52°31'58.922"	38°26'58.189"
543	409984,57	1247904,84	52°32'2.951"	38°27'2.999"
544	410124,61	1247991,35	52°32'7.483"	38°27'7.585"
545	410229,47	1248058	52°32'10.878"	38°27'11.117"
546	410424,3	1248164,82	52°32'17.182"	38°27'16.780"
547	410548,43	1248216,65	52°32'21.199"	38°27'19.530"
548	410772,68	1248277,83	52°32'28.453"	38°27'22.770"
549	410917,88	1248299,29	52°32'33.151"	38°27'23.908"
550	411016,28	1248308,21	52°32'36.334"	38°27'24.379"
551	411088,92	1248305,51	52°32'38.684"	38°27'24.232"
552	411335,48	1248282,39	52°32'46.662"	38°27'23.000"
553	411470,66	1248273,31	52°32'51.036"	38°27'22.518"
554	411649,77	1248253,31	52°32'56.828"	38°27'21.452"
555	411777,05	1248242,91	52°33'0.947"	38°27'20.898"
556	412192,93	1248230,72	52°33'14.400"	38°27'20.243"
557	412332,51	1248202,78	52°33'18.914"	38°27'18.756"

558	412621,49	1248135,5	52°33'28.264"	38°27'15.178"
559	412743,64	1248123,6	52°33'32.216"	38°27'14.544"
560	412792,36	1248124,65	52°33'33.790"	38°27'14.598"
561	412830,43	1248134,8	52°33'35.024"	38°27'15.138"
562	412869,59	1248127,77	52°33'36.292"	38°27'14.764"
563	412917,81	1248125,03	52°33'37.850"	38°27'14.616"
564	412998,34	1248112,41	52°33'40.457"	38°27'13.946"
565	413099,33	1248118,04	52°33'43.722"	38°27'14.242"
566	413235,23	1248165,22	52°33'48.121"	38°27'16.744"
567	413508,87	1248269,54	52°33'56.974"	38°27'22.277"
568	413729,37	1248384,13	52°34'4.109"	38°27'28.357"
569	413944,22	1248506,31	52°34'11.060"	38°27'34.837"
570	414193,13	1248656,19	52°34'19.114"	38°27'42.793"
571	414410,83	1248824,25	52°34'26.159"	38°27'51.714"
572	414555,79	1248957,14	52°34'30.850"	38°27'58.766"
573	414743,6	1249174,28	52°34'36.926"	38°28'10.297"
574	414885,18	1249413,58	52°34'41.509"	38°28'23.002"
575	415009,18	1249656,79	52°34'45.520"	38°28'35.918"
576	415249,87	1249974,11	52°34'53.306"	38°28'52.770"
577	415377,01	1250164,89	52°34'57.421"	38°29'2.900"
578	415451,79	1250312,19	52°34'59.840"	38°29'10.727"
579	415465,34	1250359,31	52°35'0.280"	38°29'13.229"
580	415517,94	1250462,91	52°35'1.979"	38°29'18.730"
581	415536,66	1250544,54	52°35'2.587"	38°29'23.068"
582	415573,98	1250597,5	52°35'3.793"	38°29'25.879"
583	415659,79	1250810,43	52°35'6.569"	38°29'37.190"
584	415659,77	1250901,57	52°35'6.565"	38°29'42.029"
585	415648,61	1250930,75	52°35'6.205"	38°29'43.580"
586	415642,51	1250948,37	52°35'6.007"	38°29'44.516"
587	415642,48	1250952,79	52°35'6.007"	38°29'44.750"
588	415647,88	1250966,3	52°35'6.184"	38°29'45.467"
589	415655,88	1251002,53	52°35'6.439"	38°29'47.393"
590	415659,67	1251073,78	52°35'6.562"	38°29'51.176"
591	415675,5	1251122,15	52°35'7.073"	38°29'53.747"
592	415708,14	1251195,02	52°35'8.131"	38°29'57.617"
593	415716,21	1251228,15	52°35'8.390"	38°29'59.377"
594	415740,45	1251264,02	52°35'9.175"	38°30'1.282"
595	415757,21	1251294,04	52°35'9.715"	38°30'2.876"
596	415781,09	1251359,07	52°35'10.489"	38°30'6.332"
597	415829,97	1251447,74	52°35'12.070"	38°30'11.041"
598	415842,13	1251480,09	52°35'12.462"	38°30'12.762"
599	415846,99	1251499,38	52°35'12.620"	38°30'13.784"
600	415851,14	1251551,85	52°35'12.754"	38°30'16.571"
601	415865,32	1251625,62	52°35'13.211"	38°30'20.491"
602	415883,34	1251704,02	52°35'13.794"	38°30'24.656"
603	415887,57	1251778	52°35'13.931"	38°30'28.584"
604	415913,72	1251825,72	52°35'14.773"	38°30'31.122"
605	415924,25	1251853,63	52°35'15.115"	38°30'32.602"

606	415933,07	1251893,69	52°35'15.400"	38°30'34.733"
607	415934,14	1251910,5	52°35'15.436"	38°30'35.626"
608	415969,85	1251997,87	52°35'16.588"	38°30'40.266"
609	416007,77	1252131,71	52°35'17.815"	38°30'47.376"
610	416025,8	1252267,2	52°35'18.395"	38°30'54.572"
611	416033,74	1252401,97	52°35'18.650"	38°31'1.733"
612	416035,03	1252410,98	52°35'18.690"	38°31'2.212"
613	416049,06	1252430,43	52°35'19.144"	38°31'3.245"
614	416099,61	1252542,01	52°35'20.778"	38°31'9.170"
615	416215,96	1252622,11	52°35'24.540"	38°31'13.429"
616	416315,03	1252686,16	52°35'27.744"	38°31'16.835"
617	416410	1252746,66	52°35'30.818"	38°31'20.053"
618	416424,26	1252753,77	52°35'31.279"	38°31'20.431"
619	416424,52	1252753,82	52°35'31.286"	38°31'20.431"
620	416475,57	1252756,12	52°35'32.939"	38°31'20.557"
621	416503,36	1252754,64	52°35'33.839"	38°31'20.478"
622	416523,21	1252752,58	52°35'34.480"	38°31'20.370"
623	416559,94	1252745,91	52°35'35.668"	38°31'20.017"
624	416581,1	1252740,41	52°35'36.352"	38°31'19.726"
625	416655,7	1252662,67	52°35'38.767"	38°31'15.596"
626	416823,64	1252441,73	52°35'44.203"	38°31'3.864"
627	416889,32	1252371,86	52°35'46.331"	38°31'0.152"
628	417099,49	1252209,42	52°35'53.131"	38°30'51.527"
629	417302,74	1252045,32	52°35'59.708"	38°30'42.815"
630	417581,73	1251880,4	52°36'8.737"	38°30'34.056"
631	417746,37	1251805,28	52°36'14.065"	38°30'30.067"
632	418037,88	1251713,89	52°36'23.494"	38°30'25.218"
633	418042,97	1251712,74	52°36'23.659"	38°30'25.157"
634	418065,06	1251711,08	52°36'24.376"	38°30'25.067"
635	418090,49	1251705,23	52°36'25.196"	38°30'24.757"
636	418115,16	1251691,78	52°36'25.996"	38°30'24.044"
637	418317,63	1251630,27	52°36'32.548"	38°30'20.779"
638	418557,73	1251569,76	52°36'40.313"	38°30'17.568"
639	418721,19	1251534,58	52°36'45.601"	38°30'15.700"
640	419074,59	1251495,95	52°36'57.035"	38°30'13.651"
641	419124,56	1251492,94	52°36'58.651"	38°30'13.493"
642	419165,05	1251494,91	52°36'59.962"	38°30'13.597"
643	419223,25	1251509,52	52°37'1.844"	38°30'14.375"
644	419236,1	1251517,35	52°37'2.262"	38°30'14.792"
645	419271,94	1251520,46	52°37'3.421"	38°30'14.958"
646	419282,55	1251516,49	52°37'3.763"	38°30'14.746"
647	419382,77	1251502,1	52°37'7.007"	38°30'13.982"
648	419461,03	1251503,43	52°37'9.538"	38°30'14.054"
649	419581,26	1251517,88	52°37'13.426"	38°30'14.825"
650	419766,8	1251553,26	52°37'19.430"	38°30'16.708"
651	419808,33	1251569,64	52°37'20.773"	38°30'17.579"
652	419884,18	1251616,37	52°37'23.225"	38°30'20.066"
653	419971,39	1251657,19	52°37'26.047"	38°30'22.237"

654	420081,21	1251747,26	52°37'29.600"	38°30'27.029"
655	420148,11	1251817,47	52°37'31.764"	38°30'30.762"
656	420206,86	1251922,32	52°37'33.661"	38°30'36.335"
657	420226,2	1251950,6	52°37'34.288"	38°30'37.840"
658	420246,6	1252021,36	52°37'34.946"	38°30'41.602"
659	420244,41	1252083,3	52°37'34.874"	38°30'44.896"
660	420276,32	1252169,17	52°37'35.904"	38°30'49.460"
661	420277,17	1252245,45	52°37'35.933"	38°30'53.518"
662	420265,82	1252336,36	52°37'35.562"	38°30'58.349"
663	420226,27	1252479,45	52°37'34.280"	38°31'5.956"
664	420180,66	1252548,39	52°37'32.804"	38°31'9.620"
665	420059,02	1252763,53	52°37'28.866"	38°31'21.054"
666	419967,98	1252960,97	52°37'25.918"	38°31'31.548"
667	419934,4	1253032,79	52°37'24.830"	38°31'35.364"
668	419929,01	1253076,48	52°37'24.654"	38°31'37.686"
669	419937,1	1253268,48	52°37'24.913"	38°31'47.892"
670	419920,55	1253435,53	52°37'24.373"	38°31'56.773"
671	419925,72	1253502,38	52°37'24.539"	38°32'0.326"
672	419924,1	1253698,57	52°37'24.481"	38°32'10.756"
673	419932,84	1253762,41	52°37'24.762"	38°32'14.150"
674	420004,71	1254343,55	52°37'27.073"	38°32'45.046"
675	420028,84	1254451,08	52°37'27.851"	38°32'50.766"
676	420033,52	1254476,91	52°37'28.002"	38°32'52.138"
677	420051,52	1254618,49	52°37'28.578"	38°32'59.665"
678	420084,28	1254938,19	52°37'29.629"	38°33'16.664"
679	420113,38	1255136,21	52°37'30.565"	38°33'27.191"
680	420132,86	1255275,95	52°37'31.192"	38°33'34.621"
681	420157,96	1255374,92	52°37'31.998"	38°33'39.884"
682	420159,38	1255411,01	52°37'32.045"	38°33'41.803"
683	420163,74	1255511,91	52°37'32.182"	38°33'47.167"
684	420193,27	1255699,68	52°37'33.128"	38°33'57.154"
685	420228,87	1255869,87	52°37'34.273"	38°34'6.200"
686	420318,45	1256232,36	52°37'37.157"	38°34'25.478"
687	420388,82	1256482,03	52°37'39.425"	38°34'38.759"
688	420457,26	1256716,59	52°37'41.628"	38°34'51.233"
689	420481,3	1256774,24	52°37'42.406"	38°34'54.300"
690	420545,49	1256897,37	52°37'44.476"	38°35'0.852"
691	420595,58	1256954,14	52°37'46.092"	38°35'3.872"
692	420715,74	1257004,56	52°37'49.976"	38°35'6.562"
693	420716,92	1257005,03	52°37'50.016"	38°35'6.587"
694	420717,99	1257005,26	52°37'50.052"	38°35'6.601"
695	420840,41	1257030,45	52°37'54.008"	38°35'7.948"
696	420968,54	1257059,75	52°37'58.152"	38°35'9.517"
697	421003,1	1257066,09	52°37'59.272"	38°35'9.856"
698	421154,81	1257065,7	52°38'4.178"	38°35'9.845"
699	421227,41	1257074,99	52°38'6.529"	38°35'10.345"
700	421276,25	1257079,14	52°38'8.106"	38°35'10.572"
701	421306,93	1257084,81	52°38'9.100"	38°35'10.874"

702	421408,77	1257086,91	52°38'12.394"	38°35'10.993"
703	421429,76	1257090,25	52°38'13.074"	38°35'11.173"
704	421499,19	1257087,55	52°38'15.320"	38°35'11.036"
705	421667,54	1257123,11	52°38'20.764"	38°35'12.937"
706	421691,09	1257128,68	52°38'21.527"	38°35'13.236"
707	421721,65	1257132,34	52°38'22.513"	38°35'13.434"
708	421799,2	1257148,66	52°38'25.022"	38°35'14.309"
709	421818,18	1257152,79	52°38'25.634"	38°35'14.528"
710	421875,71	1257151,58	52°38'27.496"	38°35'14.467"
711	421921,47	1257141,68	52°38'28.979"	38°35'13.945"
712	421939,41	1257137,81	52°38'29.558"	38°35'13.740"
713	421986,16	1257133,02	52°38'31.070"	38°35'13.488"
714	422059,79	1257108,68	52°38'33.454"	38°35'12.199"
715	422204,16	1257073,37	52°38'38.126"	38°35'10.334"
716	422279,7	1257066,52	52°38'40.571"	38°35'9.974"
717	422317,75	1257066,32	52°38'41.802"	38°35'9.967"
718	422371,49	1257072,27	52°38'43.541"	38°35'10.288"
719	422533,48	1257107,83	52°38'48.779"	38°35'12.192"
720	422591,78	1257127,9	52°38'50.665"	38°35'13.265"
721	422685,2	1257144,89	52°38'53.686"	38°35'14.176"
722	422760,26	1257164,9	52°38'56.112"	38°35'15.245"
723	422837,67	1257180,26	52°38'58.618"	38°35'16.069"
724	422881,08	1257189,76	52°39'0.022"	38°35'16.577"
725	422901,28	1257199,15	52°39'0.673"	38°35'17.077"
726	422918,58	1257200,04	52°39'1.231"	38°35'17.128"
727	422976,55	1257209,47	52°39'3.107"	38°35'17.632"
728	423079,94	1257238,28	52°39'6.451"	38°35'19.172"
729	423146,94	1257253,11	52°39'8.618"	38°35'19.968"
730	423445,9	1257336,98	52°39'18.284"	38°35'24.454"
731	423611,51	1257391,55	52°39'23.641"	38°35'27.370"
732	423640,92	1257407,67	52°39'24.592"	38°35'28.230"
733	423641,21	1257407,74	52°39'24.599"	38°35'28.234"
734	423691,35	1257421,79	52°39'26.222"	38°35'28.982"
735	423786,13	1257469,8	52°39'29.286"	38°35'31.546"
736	423861,79	1257527,13	52°39'31.730"	38°35'34.602"
737	423935,94	1257577,7	52°39'34.128"	38°35'37.298"
738	424040,41	1257676,92	52°39'37.501"	38°35'42.587"
739	424074,35	1257719,08	52°39'38.596"	38°35'44.833"
740	424190,34	1257888,21	52°39'42.340"	38°35'53.840"
741	424247,29	1257975,94	52°39'44.179"	38°35'58.513"
742	424292,36	1258033,82	52°39'45.634"	38°36'1.595"
743	424323,05	1258065,37	52°39'46.624"	38°36'3.276"
744	424398,61	1258147,62	52°39'49.064"	38°36'7.661"
745	424445,47	1258201,77	52°39'50.580"	38°36'10.544"
746	424518,39	1258299,61	52°39'52.931"	38°36'15.757"
747	424563,1	1258365,13	52°39'54.374"	38°36'19.249"
748	424608,54	1258454,35	52°39'55.840"	38°36'24.001"
749	424641,67	1258540,16	52°39'56.905"	38°36'28.570"

750	424699,77	1258809,59	52°39'58.770"	38°36'42.912"
751	424723,41	1258945,86	52°39'59.530"	38°36'50.166"
752	424813,19	1259473,99	52°40'2.399"	38°37'18.278"
753	424817,04	1259549,21	52°40'2.521"	38°37'22.282"
754	424819,29	1259625,38	52°40'2.590"	38°37'26.335"
755	424812,53	1259727,07	52°40'2.363"	38°37'31.746"
756	424819,69	1259944,56	52°40'2.582"	38°37'43.320"
757	424829,44	1260155,9	52°40'2.881"	38°37'54.566"
758	424832,78	1260264,88	52°40'2.982"	38°38'0.366"
759	424835,62	1260395,63	52°40'3.065"	38°38'7.325"
760	424826,61	1260551,87	52°40'2.762"	38°38'15.637"
761	424795,44	1260748,6	52°40'1.740"	38°38'26.102"
762	424775,72	1260821,5	52°40'1.099"	38°38'29.980"
763	424755,56	1260883,61	52°40'0.440"	38°38'33.281"
764	424738,45	1260932,33	52°39'59.886"	38°38'35.873"
765	424721,09	1260966,17	52°39'59.321"	38°38'37.669"
766	424693,85	1261019,77	52°39'58.435"	38°38'40.520"
767	424693,64	1261020,34	52°39'58.428"	38°38'40.549"
768	424649,55	1261146,51	52°39'56.995"	38°38'47.260"
769	424633,9	1261227,65	52°39'56.480"	38°38'51.572"
770	424617,05	1261309,44	52°39'55.930"	38°38'55.925"
771	424594,07	1261351,27	52°39'55.184"	38°38'58.146"
772	424496,43	1261453,02	52°39'52.016"	38°39'3.550"
773	424427,63	1261522,3	52°39'49.784"	38°39'7.225"
774	424362,57	1261666,82	52°39'47.671"	38°39'14.908"
775	424252,51	1261874,5	52°39'44.093"	38°39'25.945"
776	424205,53	1262000,18	52°39'42.563"	38°39'32.623"
777	424210,17	1262011,6	52°39'42.714"	38°39'33.235"
778	424314,32	1262079,08	52°39'46.076"	38°39'36.839"
779	424467,08	1262181,94	52°39'51.012"	38°39'42.329"
780	424688,46	1262324,33	52°39'58.162"	38°39'49.936"
781	424814,58	1262407,51	52°40'2.233"	38°39'54.378"
782	424987,33	1262523,53	52°40'7.813"	38°40'0.577"
783	425205,61	1262699,42	52°40'14.862"	38°40'9.966"
784	425376,89	1262833,68	52°40'20.392"	38°40'17.137"
785	425557,47	1262978,88	52°40'26.220"	38°40'24.888"
786	426173,54	1263477,7	52°40'46.106"	38°40'51.524"
787	426424,13	1263651,87	52°40'54.199"	38°41'0.834"
788	426590,41	1263817,55	52°40'59.563"	38°41'9.679"
789	426786,14	1263978,43	52°41'5.878"	38°41'18.272"
790	426791,75	1263982,91	52°41'6.061"	38°41'18.510"
791	427084,08	1264246,41	52°41'15.493"	38°41'32.582"
792	427225,13	1264362,94	52°41'20.044"	38°41'38.810"
793	427325,32	1264444,78	52°41'23.280"	38°41'43.181"
794	427463,39	1264533,49	52°41'27.737"	38°41'47.926"
795	427608,58	1264630,8	52°41'32.424"	38°41'53.131"
796	427731,1	1264724,23	52°41'36.380"	38°41'58.124"
797	427806,02	1264788,09	52°41'38.796"	38°42'1.537"

798	428047,22	1265025,42	52°41'46.576"	38°42'14.213"
799	428103,85	1265109,22	52°41'48.401"	38°42'18.684"
800	428160,12	1265169,8	52°41'50.215"	38°42'21.920"
801	428221,25	1265251,95	52°41'52.184"	38°42'26.305"
802	428274,37	1265324,6	52°41'53.894"	38°42'30.182"
803	428291,59	1265364,14	52°41'54.449"	38°42'32.292"
804	428337,53	1265393,51	52°41'55.932"	38°42'33.862"
805	428370,59	1265416,5	52°41'56.998"	38°42'35.093"
806	428445,69	1265447,26	52°41'59.424"	38°42'36.742"
807	428531,49	1265490,57	52°42'2.196"	38°42'39.064"
808	428569,24	1265520,26	52°42'3.413"	38°42'40.651"
809	428638,26	1265584,44	52°42'5.641"	38°42'44.082"
810	428675,43	1265629,41	52°42'6.836"	38°42'46.480"
811	428717,02	1265670,42	52°42'8.179"	38°42'48.672"
812	428753,91	1265721,2	52°42'9.367"	38°42'51.383"
813	428780,63	1265768,54	52°42'10.228"	38°42'53.910"
814	428813,6	1265830,45	52°42'11.286"	38°42'57.211"
815	428917,96	1265958,97	52°42'14.648"	38°43'4.073"
816	429004,01	1266075,29	52°42'17.420"	38°43'10.283"
817	429040,46	1266148,8	52°42'18.590"	38°43'14.207"
818	429063,56	1266228,13	52°42'19.332"	38°43'18.433"
819	429115,68	1266308,72	52°42'21.010"	38°43'22.735"
820	429208,16	1266433,21	52°42'23.987"	38°43'29.384"
821	429282,55	1266565	52°42'26.377"	38°43'36.415"
822	429318,18	1266625,22	52°42'27.526"	38°43'39.630"
823	429341,22	1266659,16	52°42'28.267"	38°43'41.441"
824	429458,22	1266781,15	52°42'32.036"	38°43'47.960"
825	429590	1266867,69	52°42'36.292"	38°43'52.594"
826	429624,78	1266888,4	52°42'37.415"	38°43'53.702"
827	429650,07	1266907,12	52°42'38.232"	38°43'54.703"
828	429666,04	1266920,02	52°42'38.747"	38°43'55.394"
829	429728,65	1266985,21	52°42'40.763"	38°43'58.879"
830	429763,17	1267040,96	52°42'41.875"	38°44'1.856"
831	429773,91	1267064,14	52°42'42.217"	38°44'3.091"
832	429782,13	1267096,99	52°42'42.480"	38°44'4.844"
833	429817,86	1267129,63	52°42'43.632"	38°44'6.587"
834	429874,07	1267190,54	52°42'45.446"	38°44'9.845"
835	429972,18	1267301,45	52°42'48.607"	38°44'15.770"
836	430016,59	1267353,07	52°42'50.036"	38°44'18.528"
837	430066,02	1267398,47	52°42'51.631"	38°44'20.954"
838	430097,99	1267443,32	52°42'52.661"	38°44'23.352"
839	430112,17	1267474,35	52°42'53.114"	38°44'25.008"
840	430120,11	1267512,74	52°42'53.366"	38°44'27.053"
841	430127,23	1267533,51	52°42'53.597"	38°44'28.162"
842	430140,2	1267566,49	52°42'54.011"	38°44'29.918"
843	430153,14	1267611,65	52°42'54.425"	38°44'32.327"
844	430169,56	1267678,23	52°42'54.947"	38°44'35.880"
845	430195,42	1267865,14	52°42'55.764"	38°44'45.841"

846	430209,1	1267913,28	52°42'56.200"	38°44'48.408"
847	430213,62	1268010,23	52°42'56.333"	38°44'53.574"
848	430204,75	1268093,76	52°42'56.038"	38°44'58.020"
849	430190,94	1268221,1	52°42'55.577"	38°45'4.802"
850	430148,1	1268386,94	52°42'54.169"	38°45'13.630"
851	430141,43	1268406,44	52°42'53.950"	38°45'14.666"
852	430058,14	1268545,82	52°42'51.239"	38°45'22.072"
853	430052,15	1268563,65	52°42'51.044"	38°45'23.022"
854	429990,33	1268674,46	52°42'49.028"	38°45'28.912"
855	429885,89	1268804,43	52°42'45.634"	38°45'35.813"
856	429865,74	1268836,6	52°42'44.978"	38°45'37.523"
857	429757,34	1268936,34	52°42'41.461"	38°45'42.815"
858	429584,32	1269070,05	52°42'35.845"	38°45'49.900"
859	429306,66	1269266,79	52°42'26.838"	38°46'0.322"
860	429257,29	1269290,11	52°42'25.240"	38°46'1.553"
861	429205,89	1269339,9	52°42'23.569"	38°46'4.195"
862	428933,3	1269501,85	52°42'14.731"	38°46'12.763"
863	428777,03	1269586,39	52°42'9.666"	38°46'17.231"
864	428630,34	1269645,78	52°42'4.910"	38°46'20.363"
865	428597,45	1269645,86	52°42'3.848"	38°46'20.359"
866	428425,28	1269744	52°41'58.265"	38°46'25.550"
867	428318,24	1269766,9	52°41'54.798"	38°46'26.746"
868	427956,86	1269890,56	52°41'43.091"	38°46'33.251"
869	427590,54	1270027,85	52°41'31.222"	38°46'40.483"
870	427432,96	1270095,1	52°41'26.117"	38°46'44.029"
871	427301,24	1270168,86	52°41'21.847"	38°46'47.928"
872	427139,47	1270254,79	52°41'16.602"	38°46'52.468"
873	426949,98	1270357,98	52°41'10.457"	38°46'57.918"
874	426836,25	1270428,84	52°41'6.767"	38°47'1.666"
875	426817,22	1270461,81	52°41'6.148"	38°47'3.415"
876	426740,99	1270554,35	52°41'3.671"	38°47'8.326"
877	426725,36	1270578,66	52°41'3.160"	38°47'9.614"
878	426702,64	1270627,46	52°41'2.418"	38°47'12.210"
879	426701,61	1270650,39	52°41'2.382"	38°47'13.430"
880	426709,7	1270723,77	52°41'2.634"	38°47'17.336"
881	426761,7	1270920,1	52°41'4.290"	38°47'27.802"
882	426945,28	1271452,72	52°41'10.154"	38°47'56.195"
883	426986,11	1271528,96	52°41'11.465"	38°48'0.266"
884	427109,48	1271769,83	52°41'15.421"	38°48'13.118"
885	427349,88	1272129,2	52°41'23.143"	38°48'32.306"
886	427468,66	1272257,03	52°41'26.970"	38°48'39.139"
887	427571,17	1272434,3	52°41'30.260"	38°48'48.604"
888	427846,05	1272758,82	52°41'39.102"	38°49'5.948"
889	427993,95	1272904,63	52°41'43.865"	38°49'13.750"
890	428314,57	1273196,63	52°41'54.193"	38°49'29.381"
891	428455,69	1273388,04	52°41'58.729"	38°49'39.608"
892	428808,85	1273757,92	52°42'10.094"	38°49'59.398"
893	429023,17	1274012,54	52°42'16.988"	38°50'13.013"

894	429168,62	1274209,43	52°42'21.661"	38°50'23.536"
895	429378,82	1274446,72	52°42'28.426"	38°50'36.229"
896	429454,88	1274519,84	52°42'30.874"	38°50'40.146"
897	429508,98	1274543,87	52°42'32.620"	38°50'41.438"
898	429558,32	1274589,83	52°42'34.207"	38°50'43.901"
899	429587,45	1274643,04	52°42'35.143"	38°50'46.741"
900	429600,26	1274716,11	52°42'35.543"	38°50'50.636"
901	429693,06	1274838,09	52°42'38.527"	38°50'57.160"
902	429716,68	1274874,99	52°42'39.283"	38°50'59.132"
903	429761,63	1274998,02	52°42'40.720"	38°51'5.699"
904	429769,76	1275036,53	52°42'40.975"	38°51'7.751"
905	429875,04	1275187,89	52°42'44.356"	38°51'15.844"
906	429971,86	1275303,15	52°42'47.470"	38°51'22.010"
907	430021,92	1275338,65	52°42'49.082"	38°51'23.915"
908	430058,44	1275383,1	52°42'50.256"	38°51'26.291"
909	430112,93	1275485,8	52°42'52.002"	38°51'31.777"
910	430151,76	1275633,32	52°42'53.233"	38°51'39.647"
911	430165,2	1275774,52	52°42'53.644"	38°51'47.171"
912	430170,22	1275871,86	52°42'53.788"	38°51'52.358"
913	430175,48	1275930,56	52°42'53.950"	38°51'55.487"
914	430179,42	1275952,13	52°42'54.072"	38°51'56.639"
915	430204,67	1276088,46	52°42'54.868"	38°52'3.907"
916	430206,82	1276162,06	52°42'54.922"	38°52'7.828"
917	430209,25	1276195,97	52°42'54.997"	38°52'9.635"
918	430203,57	1276252,94	52°42'54.803"	38°52'12.670"
919	430198,12	1276290,76	52°42'54.619"	38°52'14.682"
920	430188,81	1276342,81	52°42'54.310"	38°52'17.450"
921	430167,97	1276432,71	52°42'53.618"	38°52'22.235"
922	430144,3	1276535,14	52°42'52.834"	38°52'27.685"
923	430129,44	1276599,26	52°42'52.344"	38°52'31.094"
924	430111,69	1276666,12	52°42'51.757"	38°52'34.651"
925	430063,81	1276809,35	52°42'50.184"	38°52'42.269"
926	429970,77	1277046,27	52°42'47.131"	38°52'54.862"
927	429966,94	1277057,51	52°42'47.005"	38°52'55.459"
928	429893,31	1277246,37	52°42'44.590"	38°53'5.496"
929	429797,58	1277429,47	52°42'41.458"	38°53'15.223"
930	429716,44	1277565,69	52°42'38.808"	38°53'22.452"
931	429710,33	1277577,8	52°42'38.610"	38°53'23.096"
932	429595,6	1277802,42	52°42'34.855"	38°53'35.027"
933	429497,74	1278027,81	52°42'31.651"	38°53'47.000"
934	429437,28	1278152,67	52°42'29.671"	38°53'53.632"
935	429363,85	1278260,3	52°42'27.274"	38°53'59.341"
936	429287,6	1278344,22	52°42'24.793"	38°54'3.787"
937	429285,22	1278346,8	52°42'24.714"	38°54'3.924"
938	429191,72	1278446,5	52°42'21.672"	38°54'9.205"
939	429081,11	1278557,94	52°42'18.072"	38°54'15.106"

Приложение 3
к постановлению
администрации Липецкой области
«Об установлении местоположения береговых линий
(границ водного объекта), границ водоохранных зон и
границ прибрежных защитных полос реки Сосна»

Каталог координат характерных точек прибрежной защитной полосы участка
р. Сосна от устья р. Воргол до устья р. Сосна, протяженностью 50 км
по правому берегу и 50 км по левому берегу, расположенной
на территории Липецкой области

№ опорной точки	X_МСК - 48	Y_МСК - 48	X_WGS - 84	Y_WGS - 84
19	428934,51	1278176,71	52°42'13.403"	38°53'54.758"
38	429221,57	1277772,06	52°42'22.763"	38°53'33.295"
57	429634,47	1276961,56	52°42'36.266"	38°52'50.250"
76	429816,64	1276469,18	52°42'42.246"	38°52'24.078"
95	429846,99	1276047,12	52°42'43.301"	38°52'1.603"
114	429828,32	1275704,32	52°42'42.757"	38°51'43.337"
133	429650,89	1275424,57	52°42'37.066"	38°51'28.390"
152	429479,46	1275134,43	52°42'31.568"	38°51'12.888"
171	429254,69	1274914,45	52°42'24.332"	38°51'1.109"
190	429058,5	1274666,81	52°42'18.025"	38°50'47.868"
209	428839,66	1274361,77	52°42'10.998"	38°50'31.564"
228	428574,13	1274027,55	52°42'2.459"	38°50'13.693"
247	428183,72	1273623,36	52°41'49.895"	38°49'52.068"
266	427907,35	1273254,11	52°41'41.010"	38°49'32.336"
285	427573,55	1272967,98	52°41'30.257"	38°49'17.018"
304	427100,07	1272547,46	52°41'15.000"	38°48'54.511"
323	426928,24	1272116,16	52°41'9.506"	38°48'31.511"
342	426636,69	1271633,76	52°41'0.146"	38°48'5.760"
361	426527,38	1271292,91	52°40'56.658"	38°47'47.591"
380	426421,04	1270921,94	52°40'53.270"	38°47'27.820"
399	426373,55	1270664,58	52°40'51.769"	38°47'14.111"
418	426511,12	1270323,15	52°40'56.266"	38°46'55.967"
437	426663,57	1270122,03	52°41'1.223"	38°46'45.293"
456	427005,54	1269946,77	52°41'12.311"	38°46'36.041"
475	427313,6	1269805,88	52°41'22.294"	38°46'28.607"
494	427568,17	1269644,29	52°41'30.548"	38°46'20.057"

513	427925,08	1269533,34	52°41'42.112"	38°46'14.225"
532	428403,17	1269349,45	52°41'57.599"	38°46'4.534"
551	428840,75	1269173,19	52°42'11.779"	38°45'55.238"
570	429247,44	1268898,99	52°42'24.970"	38°45'40.720"
589	429570,68	1268665,67	52°42'35.456"	38°45'28.357"
608	429764,07	1268418,94	52°42'41.742"	38°45'15.257"
627	429883,33	1268043,36	52°42'45.644"	38°44'55.273"
646	429787,87	1267664,94	52°42'42.602"	38°44'35.099"
665	429516,6	1267268,4	52°42'33.872"	38°44'13.924"
684	429280,64	1267082,29	52°42'26.258"	38°44'3.966"
703	429043,01	1266840,69	52°42'18.598"	38°43'51.056"
722	428815,64	1266495,94	52°42'11.282"	38°43'32.653"
741	428562,85	1266100,51	52°42'3.146"	38°43'11.550"
760	428376,89	1265838,9	52°41'57.160"	38°42'57.586"
779	428008,31	1265548,01	52°41'45.265"	38°42'42.034"
798	427290,61	1264856,22	52°41'22.117"	38°42'5.083"
817	426431,61	1264156,63	52°40'54.394"	38°41'27.704"
836	426157,83	1263917,27	52°40'45.559"	38°41'14.921"
855	425831,61	1263686,09	52°40'35.026"	38°41'2.569"
874	425555,31	1263443,47	52°40'26.108"	38°40'49.613"
893	425303,95	1263230,77	52°40'17.998"	38°40'38.258"
912	425061,41	1263050,36	52°40'10.168"	38°40'28.621"
931	424846,9	1262864,55	52°40'3.241"	38°40'18.703"
950	424471,24	1262592,89	52°39'51.113"	38°40'4.199"
969	424101,38	1262319,45	52°39'39.168"	38°39'49.597"
988	423898,25	1262153,76	52°39'32.612"	38°39'40.756"
1007	423889,89	1261857,59	52°39'32.364"	38°39'24.998"
1026	423997,03	1261608,99	52°39'35.849"	38°39'11.786"
1045	424130,02	1261329,73	52°39'40.172"	38°38'56.944"
1064	424253,68	1261034,27	52°39'44.194"	38°38'41.237"
1083	424464,52	1260591,76	52°39'51.048"	38°38'17.718"
1102	424459,65	1259545,03	52°39'50.958"	38°37'22.022"
1121	424337,78	1258743,8	52°39'47.063"	38°36'39.377"
1140	424066,92	1258453,63	52°39'38.318"	38°36'23.911"
1159	423958,67	1258162,21	52°39'34.834"	38°36'8.399"
1178	423740,98	1257882,7	52°39'27.803"	38°35'53.509"
1197	423147,7	1257647,11	52°39'8.622"	38°35'40.927"
1216	422509,83	1257484,21	52°38'47.994"	38°35'32.208"
1235	422192,73	1257444,5	52°38'37.738"	38°35'30.073"
1254	421779,41	1257499,92	52°38'24.364"	38°35'32.986"
1273	421282	1257414,65	52°38'8.279"	38°35'28.414"
1292	420819,92	1257365,31	52°37'53.332"	38°35'25.750"
1311	420582,9	1257302,7	52°37'45.667"	38°35'22.405"
1330	420300,68	1257150,07	52°37'36.545"	38°35'14.269"
1349	420087,84	1256761,63	52°37'29.676"	38°34'53.602"

1368	419985,38	1256367,85	52°37'26.378"	38°34'32.660"
1387	419755,01	1255933,1	52°37'18.941"	38°34'9.534"
1406	419689,23	1255338,03	52°37'16.835"	38°33'37.897"
1425	419729,06	1254964,21	52°37'18.138"	38°33'18.029"
1444	419671,89	1254497,6	52°37'16.302"	38°32'53.221"
1463	419573,66	1253649,78	52°37'13.145"	38°32'8.149"
1482	419611,39	1252975,29	52°37'14.380"	38°31'32.297"
1501	419884,75	1252384,12	52°37'23.236"	38°31'0.880"
1520	419873,28	1252093,64	52°37'22.868"	38°30'45.436"
1539	419628,71	1251890,39	52°37'14.959"	38°30'34.628"
1558	419309,63	1251872,97	52°37'4.634"	38°30'33.696"
1577	419000,72	1251894,89	52°36'54.641"	38°30'34.855"
1596	418760,12	1251895,53	52°36'46.858"	38°30'34.884"
1615	418483,05	1251960,12	52°36'37.894"	38°30'38.311"
1634	418094	1252052,53	52°36'25.308"	38°30'43.214"
1653	417848,25	1252135,23	52°36'17.356"	38°30'47.603"
1672	417528,14	1252292,51	52°36'6.998"	38°30'55.951"
1691	417379,14	1252425,99	52°36'2.174"	38°31'3.043"
1710	417129,15	1252596,5	52°35'54.085"	38°31'12.094"
1729	416939,02	1252826,2	52°35'47.929"	38°31'24.294"
1748	416821,74	1252964,92	52°35'44.135"	38°31'31.660"
1767	416709,69	1253059,55	52°35'40.506"	38°31'36.682"
1786	416552,28	1253103,59	52°35'35.412"	38°31'39.018"
1805	416512,31	1253192,22	52°35'34.120"	38°31'43.723"
1824	416058,37	1253103,44	52°35'19.435"	38°31'38.993"
1843	415813,34	1252915,67	52°35'11.512"	38°31'29.010"
1862	415725,21	1252644,68	52°35'8.664"	38°31'14.617"
1881	415658,43	1252374,52	52°35'6.508"	38°31'0.264"
1900	415573,07	1251991,09	52°35'3.754"	38°30'39.899"
1919	415510,46	1251721,45	52°35'1.730"	38°30'25.574"
1938	415487,47	1251506,36	52°35'0.989"	38°30'14.152"
1957	415369,49	1251339,49	52°34'57.173"	38°30'5.285"
1976	415276,73	1250990,92	52°34'54.174"	38°29'46.774"
1995	415183,55	1250764,33	52°34'51.161"	38°29'34.739"
2014	414965,09	1250559,67	52°34'44.094"	38°29'23.867"
2033	414798,3	1249956,84	52°34'38.698"	38°28'51.852"
2052	414416,05	1249379,85	52°34'26.332"	38°28'21.216"
2071	414014,48	1248986,8	52°34'13.339"	38°28'0.350"
2090	413720,75	1248815,78	52°34'3.835"	38°27'51.271"
2109	413275,77	1248569,36	52°33'49.435"	38°27'38.196"
2128	412771,75	1248506,38	52°33'33.131"	38°27'34.862"
2147	412506,55	1248565,76	52°33'24.552"	38°27'38.020"
2166	412263,3	1248610,6	52°33'16.682"	38°27'40.403"
2185	411929,47	1248636	52°33'5.882"	38°27'41.756"
2204	411681,31	1248635,6	52°32'57.854"	38°27'41.738"

2223	411346,5	1248649,34	52°32'47.022"	38°27'42.473"
2242	411115,17	1248654,83	52°32'39.538"	38°27'42.768"
2261	410702,71	1248619,78	52°32'26.192"	38°27'40.914"
2280	410350,16	1248522,41	52°32'14.788"	38°27'35.755"
2299	409906,13	1248292,65	52°32'0.420"	38°27'23.573"
2318	410033,48	1248110,73	52°32'4.538"	38°27'13.921"
2337	410536,46	1248368,31	52°32'20.814"	38°27'27.576"
2356	410890,15	1248449,16	52°32'32.255"	38°27'31.860"
2375	411290,74	1248436,26	52°32'45.215"	38°27'31.169"
2394	411603,24	1248408,79	52°32'55.324"	38°27'29.704"
2413	411856,01	1248390,27	52°33'3.503"	38°27'28.717"
2432	412116,45	1248385,95	52°33'11.927"	38°27'28.483"
2451	412372,16	1248347,14	52°33'20.200"	38°27'26.417"
2470	412610,9	1248290,2	52°33'27.922"	38°27'23.389"
2489	412962,73	1248269,29	52°33'39.305"	38°27'22.273"
2508	413334,25	1248362,25	52°33'51.325"	38°27'27.202"
2527	413750,14	1248567,97	52°34'4.782"	38°27'38.117"
2546	413998,07	1248709,57	52°34'12.803"	38°27'45.630"
2565	414180,02	1248834,35	52°34'18.692"	38°27'52.254"
2584	414336,4	1248961,93	52°34'23.750"	38°27'59.026"
2603	414462,11	1249076,88	52°34'27.818"	38°28'5.128"
2622	414605,39	1249240,81	52°34'32.455"	38°28'13.832"
2641	414675,89	1249363,12	52°34'34.738"	38°28'20.327"
2660	414769,17	1249528,45	52°34'37.754"	38°28'29.104"
2679	414890,82	1249749,69	52°34'41.693"	38°28'40.854"
2698	415020	1249918,69	52°34'45.872"	38°28'49.825"
2717	415172,59	1250130,25	52°34'50.808"	38°29'1.064"
2736	415474,84	1250459,11	52°35'0.586"	38°29'18.528"
2755	415386,82	1250600,99	52°34'57.738"	38°29'26.063"
2774	415496,1	1250789,35	52°35'1.273"	38°29'36.067"
2793	415469,45	1250955,66	52°35'0.409"	38°29'44.902"
2812	415520,24	1251129,05	52°35'2.051"	38°29'54.110"
2831	415572,87	1251284,07	52°35'3.754"	38°30'2.344"
2850	415643,92	1251420,88	52°35'6.050"	38°30'9.612"
2869	415701,72	1251560,28	52°35'7.919"	38°30'17.017"
2888	415728,91	1251688,16	52°35'8.797"	38°30'23.810"
2907	415753,79	1251845,93	52°35'9.600"	38°30'32.191"
2926	415807,54	1252007,44	52°35'11.339"	38°30'40.770"
2945	415864,57	1252184,73	52°35'13.182"	38°30'50.188"
2964	415879,52	1252343,21	52°35'13.661"	38°30'58.608"
2983	415893,72	1252465,7	52°35'14.118"	38°31'5.113"
3002	416041,3	1252510,76	52°35'18.892"	38°31'7.511"
3021	416239,81	1252637,52	52°35'25.314"	38°31'14.250"
3040	416378,35	1252726,49	52°35'29.792"	38°31'18.980"
3059	416553,84	1252868,99	52°35'35.470"	38°31'26.555"

3078	416670,42	1252862,09	52°35'39.239"	38°31'26.191"
3097	416803,86	1252716,88	52°35'43.559"	38°31'18.480"
3116	417021,13	1252461,15	52°35'50.593"	38°31'4.901"
3135	417285,24	1252254,67	52°35'59.140"	38°30'53.935"
3154	417592,66	1252041,24	52°36'9.086"	38°30'42.602"
3173	417900,77	1251923,88	52°36'19.058"	38°30'36.374"
3192	418129,87	1251857,13	52°36'26.471"	38°30'32.832"
3211	418559,3	1251727,36	52°36'40.363"	38°30'25.942"
3230	419108,59	1251643,75	52°36'58.136"	38°30'21.510"
3249	419508,38	1251669,56	52°37'11.068"	38°30'22.885"
3268	419750,22	1251708,21	52°37'18.890"	38°30'24.944"
3287	419929,22	1251814,61	52°37'24.683"	38°30'30.604"
3306	420076,43	1251995,69	52°37'29.442"	38°30'40.234"
3325	420119,53	1252298,27	52°37'30.832"	38°30'56.322"
3344	419925,27	1252694,92	52°37'24.542"	38°31'17.404"
3363	419780,2	1253323,17	52°37'19.837"	38°31'50.794"
3382	419793,74	1253870,2	52°37'20.262"	38°32'19.874"
3401	419876,74	1254449,88	52°37'22.930"	38°32'50.694"
3420	419912,02	1254757,53	52°37'24.064"	38°33'7.049"
3439	419949,51	1255062,15	52°37'25.266"	38°33'23.245"
3458	420050,55	1255273,65	52°37'28.528"	38°33'34.495"
3477	420140,62	1255884,76	52°37'31.418"	38°34'6.989"
3496	420246,72	1256535,56	52°37'34.824"	38°34'41.592"
3515	420366,45	1256885,4	52°37'38.683"	38°35'0.200"
3534	420549,07	1257101,37	52°37'44.580"	38°35'11.699"
3553	420783,9	1257170,78	52°37'52.176"	38°35'15.407"
3572	420982,88	1257216,29	52°37'58.609"	38°35'17.840"
3591	421212,25	1257224,45	52°38'6.029"	38°35'18.294"
3610	421481,64	1257236,57	52°38'14.744"	38°35'18.956"
3629	421776,86	1257297,19	52°38'24.292"	38°35'22.204"
3648	422038,19	1257274,43	52°38'32.748"	38°35'21.016"
3667	422296,44	1257215,62	52°38'41.104"	38°35'17.905"
3686	422514,62	1257257,66	52°38'48.163"	38°35'20.159"
3705	422732,09	1257308,54	52°38'55.194"	38°35'22.884"
3724	423029,13	1257380,13	52°39'4.799"	38°35'26.714"
3743	423380,19	1257475,06	52°39'16.153"	38°35'31.794"
3762	423637,95	1257561,97	52°39'24.487"	38°35'36.438"
3781	423845,35	1257697,26	52°39'31.190"	38°35'43.652"
3800	423987,46	1257854,25	52°39'35.780"	38°35'52.015"
3819	424078,67	1257995,56	52°39'38.722"	38°35'59.543"
3838	424212,35	1258166,97	52°39'43.038"	38°36'8.672"
3857	424374,83	1258359,18	52°39'48.283"	38°36'18.914"
3876	424472,86	1258519,94	52°39'51.448"	38°36'27.479"
3895	424516,99	1258681,51	52°39'52.866"	38°36'36.079"
3914	424553,54	1258843,04	52°39'54.040"	38°36'44.676"

3933	424594,65	1259077,47	52°39'55.354"	38°36'57.157"
3952	424635,1	1259299,73	52°39'56.650"	38°37'8.987"
3971	424666,6	1259545,27	52°39'57.654"	38°37'22.055"
3990	424662,89	1259743,4	52°39'57.521"	38°37'32.599"
4009	424672,76	1260011,56	52°39'57.823"	38°37'46.870"
4028	424677,55	1260185,22	52°39'57.967"	38°37'56.111"
4047	424684,05	1260467,32	52°39'58.158"	38°38'11.123"
4066	424660,82	1260654,81	52°39'57.395"	38°38'21.095"
4085	424620,25	1260805,02	52°39'56.070"	38°38'29.083"
4104	424524,91	1261051,49	52°39'52.967"	38°38'42.187"
4123	424441,62	1261294,58	52°39'50.256"	38°38'55.111"
4142	424284,96	1261473,73	52°39'45.173"	38°39'4.626"
4161	424155,37	1261735,8	52°39'40.961"	38°39'18.551"
4180	424050,31	1262017,12	52°39'37.541"	38°39'33.505"
4199	424229,02	1262203,07	52°39'43.308"	38°39'43.423"
4218	424567,31	1262425,67	52°39'54.234"	38°39'55.314"
4237	424799,22	1262571,85	52°40'1.726"	38°40'3.122"
4256	425001,56	1262732,08	52°40'8.256"	38°40'11.676"
4275	425221,79	1262901,68	52°40'15.366"	38°40'20.734"
4294	425590,07	1263196,76	52°40'27.257"	38°40'36.487"
4313	425938,51	1263480,98	52°40'38.503"	38°40'51.665"
4332	426193,36	1263674,06	52°40'46.729"	38°41'1.982"
4351	426412,85	1263849,13	52°40'53.814"	38°41'11.332"
4370	426634,11	1264047,36	52°41'0.956"	38°41'21.919"
4389	427145,07	1264492,24	52°41'17.444"	38°41'45.679"
4408	427561,08	1264781,63	52°41'30.872"	38°42'1.156"
4427	427980,37	1265196,53	52°41'44.398"	38°42'23.314"
4446	428159,14	1265454,93	52°41'50.154"	38°42'37.102"
4465	428376,21	1265580,17	52°41'57.163"	38°42'43.808"
4484	428560,4	1265726,11	52°42'3.107"	38°42'51.613"
4503	428662,81	1265871,28	52°42'6.404"	38°42'59.360"
4522	428817,04	1266072,09	52°42'11.372"	38°43'10.081"
4541	428973,07	1266367,75	52°42'16.387"	38°43'25.856"
4560	429142	1266618,85	52°42'21.827"	38°43'39.259"
4579	429410,64	1266934,5	52°42'30.481"	38°43'56.118"
4598	429640,2	1267149,91	52°42'37.883"	38°44'7.634"
4617	429812,41	1267347,22	52°42'43.430"	38°44'18.179"
4636	429961,79	1267506,56	52°42'48.247"	38°44'26.693"
4655	430027,7	1267730,47	52°42'50.353"	38°44'38.634"
4674	430060,01	1267955,32	52°42'51.372"	38°44'50.618"
4693	430049,11	1268160,12	52°42'50.994"	38°45'1.526"
4712	429989,67	1268385,98	52°42'49.043"	38°45'13.543"
4731	429891,44	1268546,55	52°42'45.846"	38°45'22.079"
4750	429762,19	1268719,45	52°42'41.645"	38°45'31.262"
4769	429531,71	1268927,33	52°42'34.160"	38°45'42.289"

4788	429315,52	1269072,09	52°42'27.151"	38°45'49.954"
4807	429069,21	1269250,07	52°42'19.159"	38°45'59.382"
4826	428850,77	1269376,04	52°42'12.078"	38°46'6.046"
4845	428546,01	1269475,68	52°42'2.203"	38°46'11.287"
4864	428199,68	1269647,9	52°41'50.978"	38°46'20.384"
4883	427909,9	1269748,08	52°41'41.590"	38°46'25.655"
4902	427697,29	1269823,26	52°41'34.703"	38°46'29.615"
4921	427353,29	1269968	52°41'23.557"	38°46'37.243"
4940	427078,12	1270117,86	52°41'14.633"	38°46'45.163"
4959	426748,15	1270305,95	52°41'3.934"	38°46'55.103"
4978	426590,53	1270510,5	52°40'58.807"	38°47'5.957"
4997	426562,91	1270754,64	52°40'57.882"	38°47'18.946"
5016	426616,05	1270956,19	52°40'59.574"	38°47'29.688"
5035	426684,16	1271155,37	52°41'1.748"	38°47'40.308"
5054	426779,48	1271445,97	52°41'4.790"	38°47'55.799"
5073	426924,95	1271725,93	52°41'9.456"	38°48'10.735"
5092	427150,14	1272115,28	52°41'16.685"	38°48'31.518"
5111	427448,35	1272309,07	52°41'26.304"	38°48'41.908"
5130	427762,24	1272890,96	52°41'36.373"	38°49'12.965"
5149	428137,71	1273227,75	52°41'48.466"	38°49'30.994"
5168	428451,19	1273599,21	52°41'58.549"	38°49'50.851"
5187	428720,82	1273882,11	52°42'7.229"	38°50'5.986"
5206	428846,96	1274027,13	52°42'11.286"	38°50'13.744"
5225	428964,3	1274186,93	52°42'15.055"	38°50'22.283"
5244	429084,87	1274344,66	52°42'18.932"	38°50'30.718"
5263	429189,41	1274463,22	52°42'22.295"	38°50'37.057"
5282	429297,04	1274581,17	52°42'25.758"	38°50'43.368"
5301	429451,43	1274759,65	52°42'30.722"	38°50'52.919"
5320	429559,48	1274910,65	52°42'34.193"	38°51'0.990"
5339	429652,77	1275125,21	52°42'37.177"	38°51'12.442"
5358	429798,13	1275333,64	52°42'41.843"	38°51'23.584"
5377	429961,29	1275519,82	52°42'47.092"	38°51'33.548"
5396	430016,6	1275811,12	52°42'48.830"	38°51'49.079"
5415	430048,79	1276057,33	52°42'49.828"	38°52'2.204"
5434	430022,53	1276395,98	52°42'48.920"	38°52'20.237"
5453	429941,72	1276700,27	52°42'46.253"	38°52'36.422"
5472	429837,77	1276975,36	52°42'42.840"	38°52'51.046"
5491	429636,32	1277400,79	52°42'36.248"	38°53'13.646"
5510	429491,66	1277674,2	52°42'31.518"	38°53'28.165"
5529	429286,4	1278113,03	52°42'24.797"	38°53'51.475"
5548	428946,76	1278478,37	52°42'13.741"	38°54'10.829"