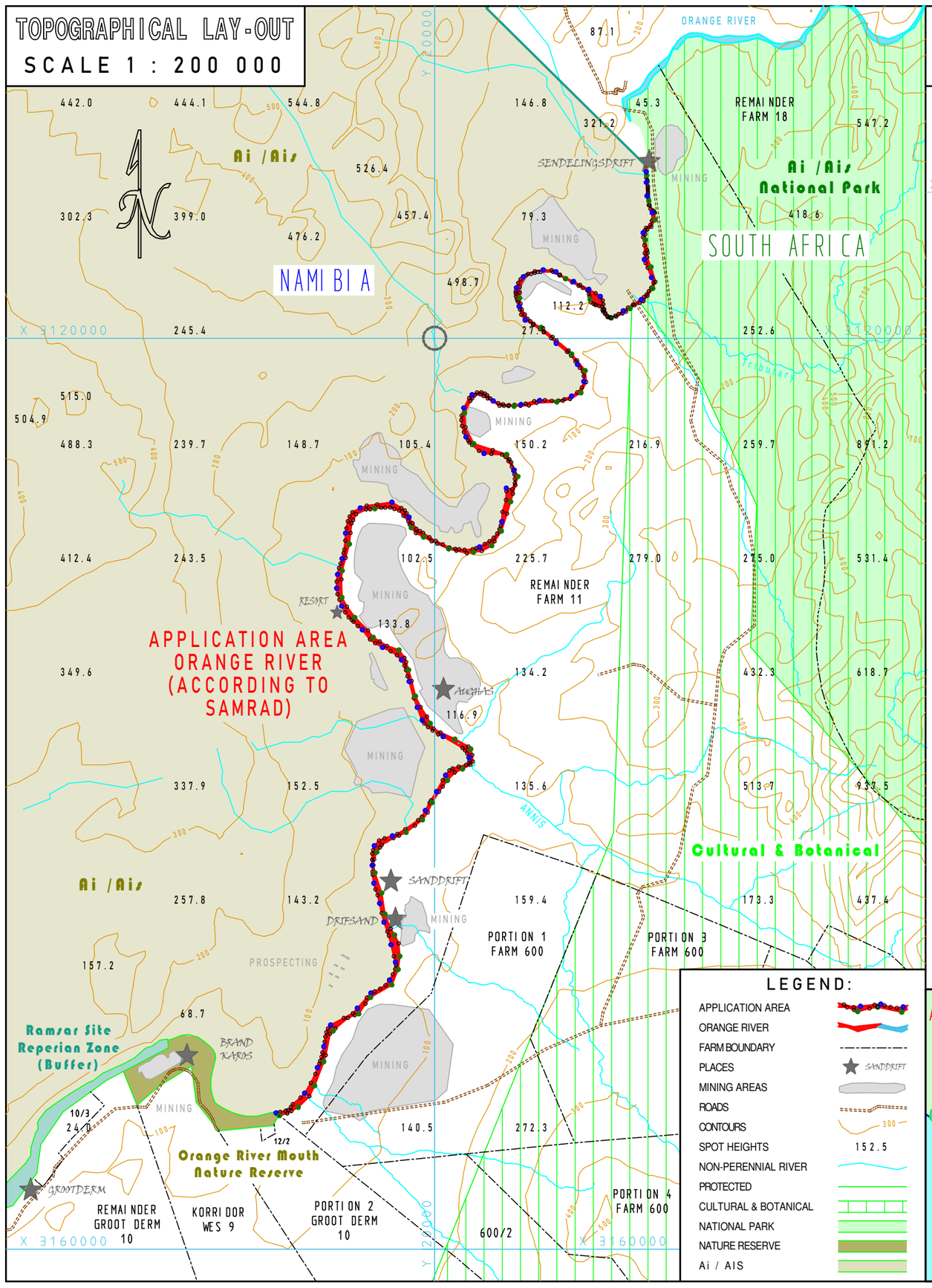
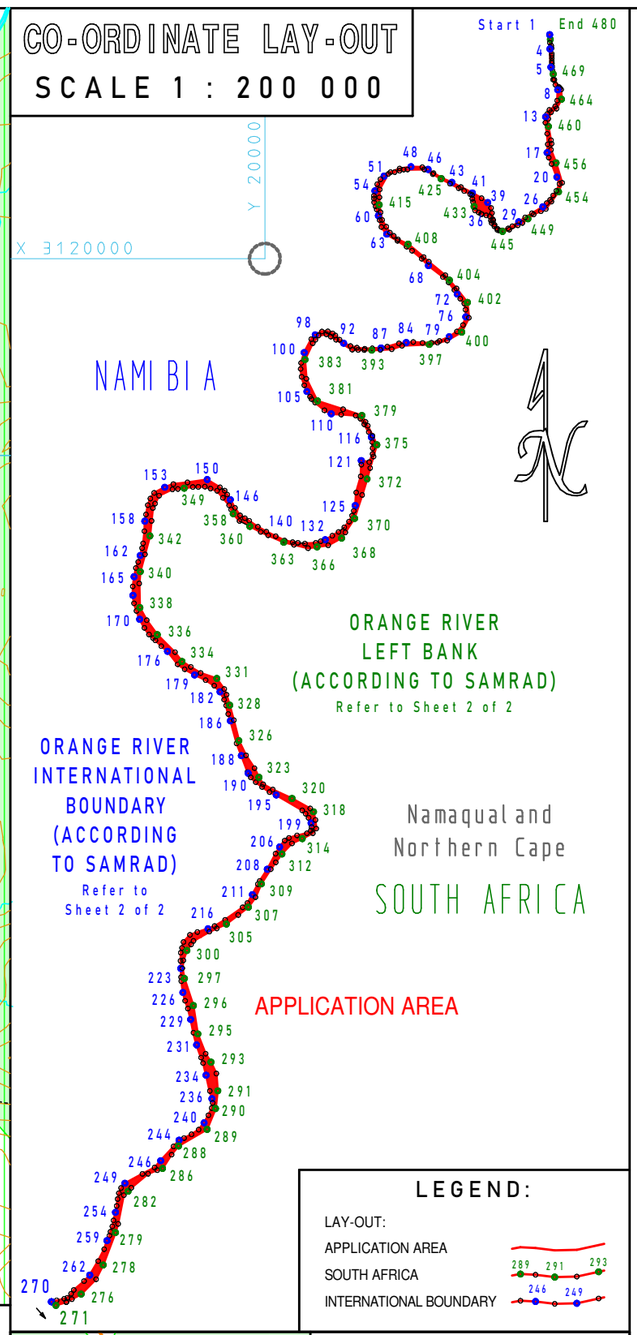
TOPOGRAPHICAL LAY-OUT
SCALE 1 : 200 000



CO-ORDINATE LAY-OUT
SCALE 1 : 200 000



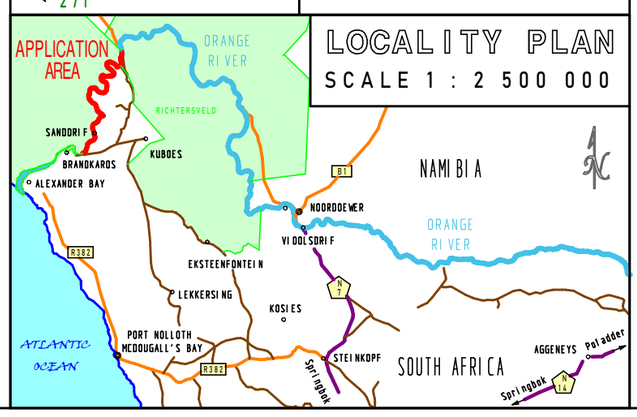
LEGEND:

APPLICATION AREA	
ORANGE RIVER	
FARM BOUNDARY	
PLACES	SANDDRIFT
MINING AREAS	
ROADS	
CONTOURS	300
SPOT HEIGHTS	152.5
NON-PERENNIAL RIVER	
PROTECTED	
CULTURAL & BOTANICAL	
NATIONAL PARK	
NATURE RESERVE	
Ai / AIS	

LEGEND:

LAY-OUT:	
APPLICATION AREA	289 291 293
SOUTH AFRICA	
INTERNATIONAL BOUNDARY	246 249

LOCALITY PLAN
SCALE 1 : 2 500 000



SAMARA MINING (PTY) LTD

PROSPECTING RIGHT APPLICATION

The figure 1 to 447 and 1, Situated on a portion of the Orange River, Represents 987.93ha:

THE FIGURE 1 TO 270, SITUATED ON A PORTION OF THE INTERNATIONAL BORDER OF THE ORANGE RIVER AND THE FIGURE 271 TO 480, SITUATED ON THE LEFT BANK OF THE ORANGE RIVER.

REFER TO SHEET 2 OF 2 FOR CO-ORDINATES:

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480 AND 1.

ADMINISTRATIVE DISTRICT - NAMAQUALAND
PROVINCE - NORTHERN CAPE.

WITH REGARD TO A PROSPECTING RIGHT OF THE PROVISIONS OF SECTION 16 OF THE MINING AND PETROLEUM RESOURCES DEVELOPMENT ACT, 2002 (NO. 28 OF 2002).

WGS 84 DATUM - SURVEY SYSTEM LO 17

SCALE 1 : 200 000

0 1000 3000 6000 10000 15000
metres

Therefore: 5mm = 1000m

APPLICANT: _____ DATE: _____

REGIONAL MANAGER MINERAL DEVELOPMENT: _____ DATE: _____

WGS 84 DATUM - SURVEY SYSTEM LO 17

GIS CO-ORDINATES:

Id	Lat	Long	Id	Lat	Long	Id	Lat	Long	Id	Lat	Long	Id	Lat	Long	Id	Lat	Long	Id	Lat	Long	Id	Lat	Long
1	-28.128544	16.891014	61	-28.183073	16.834484	121	-28.253818	16.828232	181	-28.319990	16.779224	241	-28.450643	16.773763	301	-28.396125	16.771366	361	-28.274776	16.794771	421	-28.168188	16.842470
2	-28.130891	16.891052	62	-28.185069	16.835026	122	-28.255018	16.828270	182	-28.321790	16.781155	242	-28.452020	16.771392	302	-28.395084	16.772179	362	-28.275773	16.797250	422	-28.168180	16.843733
3	-28.132587	16.891081	63	-28.187196	16.836796	123	-28.258472	16.828066	183	-28.324108	16.782507	243	-28.453124	16.768903	303	-28.392396	16.777444	363	-28.277824	16.802402	423	-28.168159	16.849269
4	-28.132738	16.891092	64	-28.189144	16.840364	124	-28.263230	16.826537	184	-28.325818	16.783172	244	-28.453737	16.767251	304	-28.391428	16.779938	364	-28.278551	16.805817	424	-28.169559	16.852142
5	-28.138098	16.891387	65	-28.190880	16.843416	125	-28.267053	16.826221	185	-28.328335	16.783864	245	-28.455576	16.765379	305	-28.390154	16.783120	365	-28.279571	16.810516	425	-28.170890	16.854864
6	-28.141778	16.892138	66	-28.192071	16.845224	126	-28.268612	16.825732	186	-28.330346	16.784610	246	-28.459750	16.761109	306	-28.387493	16.787062	366	-28.279193	16.813509	426	-28.172344	16.857860
7	-28.143277	16.892910	67	-28.194430	16.848400	127	-28.269987	16.825169	187	-28.336980	16.786632	247	-28.461778	16.759102	307	-28.385199	16.790458	367	-28.278735	16.817216	427	-28.173680	16.860725
8	-28.144772	16.893677	68	-28.196456	16.850657	128	-28.271775	16.824157	188	-28.340597	16.788204	248	-28.463626	16.755015	308	-28.382263	16.792840	368	-28.276623	16.821663	428	-28.174517	16.862554
9	-28.147946	16.893484	69	-28.199815	16.855465	129	-28.273452	16.822550	189	-28.345422	16.790253	249	-28.466381	16.749157	309	-28.378346	16.794787	369	-28.274941	16.822924	429	-28.175437	16.864533
10	-28.149597	16.892824	70	-28.201394	16.857348	130	-28.274794	16.820672	190	-28.345795	16.790500	250	-28.467767	16.747891	310	-28.374027	16.797920	370	-28.270836	16.825992	430	-28.175723	16.865156
11	-28.150699	16.890893	71	-28.203649	16.859295	131	-28.275923	16.818586	191	-28.347004	16.791326	251	-28.469285	16.747161	311	-28.372012	16.799610	371	-28.263938	16.828540	431	-28.176792	16.865258
12	-28.151853	16.890185	72	-28.204855	16.860196	132	-28.277110	16.816226	192	-28.348420	16.793000	252	-28.471011	16.746732	312	-28.369553	16.801667	372	-28.259217	16.830176	432	-28.177719	16.865494
13	-28.152728	16.889627	73	-28.206212	16.861205	133	-28.277555	16.814702	193	-28.349836	16.795103	253	-28.473043	16.746423	313	-28.366454	16.805000	373	-28.256019	16.831206	433	-28.179078	16.865845
14	-28.154421	16.889547	74	-28.207639	16.862556	134	-28.278023	16.813076	194	-28.351342	16.797571	254	-28.474925	16.746013	314	-28.365040	16.808432	374	-28.252630	16.832317	434	-28.180244	16.866151
15	-28.157685	16.890148	75	-28.209431	16.862969	135	-28.278212	16.809463	195	-28.352183	16.799781	255	-28.477302	16.745369	315	-28.363459	16.811940	375	-28.249195	16.833427	435	-28.180851	16.867393
16	-28.160792	16.890335	76	-28.211563	16.863029	136	-28.277985	16.807146	196	-28.356733	16.808444	256	-28.479056	16.744972	316	-28.362104	16.813104	376	-28.246549	16.832011	436	-28.181249	16.868213
17	-28.163270	16.890132	77	-28.213960	16.862106	137	-28.277813	16.805384	197	-28.357715	16.809571	257	-28.480631	16.744361	317	-28.359569	16.812814	377	-28.243576	16.830429	437	-28.181336	16.868396
18	-28.164717	16.890657	78	-28.215855	16.860089	138	-28.277293	16.802680	198	-28.358943	16.810552	258	-28.481800	16.743985	318	-28.357152	16.812170	378	-28.242409	16.829667	438	-28.181688	16.869893
19	-28.166590	16.891623	79	-28.217417	16.857504	139	-28.276050	16.799778	199	-28.360468	16.811362	259	-28.483253	16.743159	319	-28.356170	16.811092	379	-28.240538	16.828465	439	-28.181941	16.871014
20	-28.170430	16.893329	80	-28.218639	16.854317	140	-28.274690	16.796651	200	-28.361681	16.811577	260	-28.485780	16.742215	320	-28.353220	16.805041	380	-28.238713	16.822216	440	-28.183204	16.871421
21	-28.172459	16.894225	81	-28.219173	16.851602	141	-28.273239	16.793840	201	-28.362700	16.811282	261	-28.489278	16.740220	321	-28.350595	16.798646	381	-28.236234	16.813719	441	-28.183922	16.871655
22	-28.174506	16.893189	82	-28.219218	16.848664	142	-28.271487	16.790959	202	-28.363474	16.809984	262	-28.493380	16.737398	322	-28.349027	16.795460	382	-28.229715	16.810054	442	-28.184920	16.872583
23	-28.175854	16.892116	83	-28.218947	16.845589	143	-28.270707	16.789489	203	-28.364107	16.806706	263	-28.495153	16.735499	323	-28.346988	16.794044	383	-28.224062	16.809598	443	-28.186022	16.873597
24	-28.177145	16.891113	84	-28.219098	16.843234	144	-28.269890	16.787923	204	-28.364839	16.803992	264	-28.497755	16.732055	324	-28.344290	16.792571	384	-28.219250	16.812168	444	-28.186211	16.874388
25	-28.178110	16.889965	85	-28.219344	16.840825	145	-28.267674	16.786238	205	-28.365608	16.802597	265	-28.498868	16.731154	325	-28.340522	16.789756	385	-28.218210	16.813053	445	-28.186428	16.875297
26	-28.179192	16.888688	86	-28.220313	16.836941	146	-28.265269	16.784704	206	-28.367496	16.800891	266	-28.500065	16.729920	326	-28.336183	16.787401	386	-28.216981	16.814115	446	-28.185911	16.877507
27	-28.181098	16.885068	87	-28.220695	16.834860	147	-28.263757	16.783636	207	-28.369474	16.799550	267	-28.500348	16.728868	327	-28.330153	16.785727	387	-28.216643	16.816712	447	-28.184634	16.880340
28	-28.182323	16.882809	88	-28.220781	16.831947	148	-28.262581	16.782821	208	-28.374038	16.796766	268	-28.500810	16.726363	328	-28.325748	16.784365	388	-28.217317	16.818165	448	-28.183956	16.881871
29	-28.183604	16.880674	89	-28.220908	16.829442	149	-28.261617	16.781265	209	-28.377488	16.794271	269	-28.501206	16.724604	329	-28.322645	16.783308	389	-28.218220	16.819925	449	-28.182710	16.883711
30	-28.184904	16.878555	90	-28.220573	16.826846	150	-28.259329	16.777017	210	-28.378428	16.793644	270	-28.501207	16.724599	330	-28.320983	16.782546	390	-28.221183	16.825283	450	-28.181416	16.885653
31	-28.185543	16.877150	91	-28.220086	16.824716	151	-28.260160	16.770453	211	-28.381500	16.791788	271	-28.502264	16.726080	331	-28.317869	16.780081	391	-28.221231	16.827264	451	-28.180480	16.888022
32	-28.186110	16.875213	92	-28.219268	16.822447	152	-28.260644	16.765770	212	-28.383964	16.790168	272	-28.502263	16.726084	332	-28.316249	16.774695	392	-28.221278	16.829291	452	-28.179821	16.889679
33	-28.185618	16.873582	93	-28.218228	16.821089	153	-28.261571	16.762900	213	-28.385243	16.788564	273	-28.501344	16.729555	333	-28.314464	16.771449	393	-28.221344	16.831786	453	-28.177667	16.891543
34	-28.184479	16.872644	94	-28.217013	16.819722	154	-28.263215	16.759381	214	-28.388886	16.782733	274	-28.501330	16.729587	334	-28.312844	16.768520	394	-28.221226	16.834650	454	-28.174773	16.893885
35	-28.183169	16.872182	95	-28.216354	16.818737	155	-28.264902	16.758099	215	-28.390736	16.779219	275	-28.500451	16.731422	335	-28.310105	16.766203	395	-28.221060	16.838426	455	-28.172136	16.895097
36	-28.182869	16.872078	96	-28.215777	16.817195	156	-28.266820	16.757257	216	-28.391531	16.777001	276	-28.498970	16.734517	336	-28.304942	16.760313	396	-28.220045	16.841830	456	-28.166260	16.893099
37	-28.181018	16.871796	97	-28.215803	16.815226	157	-28.269563	16.756648	217	-28.392489	16.773471	277	-28.494607	16.739501	337	-28.300687	16.756831	397	-28.219676	16.850910	457	-28.162394	16.891420
38	-28.179504	16.871490	98	-28.216786	16.812989	158	-28.271537	16.756238	218	-28.393315	16.771006	278	-28.490420	16.741883	338	-28.296983	16.754551	398	-28.219151	16.853603	458	-28.160621	16.891624
39	-28.177916	16.870374	99	-28.218056	16.811683	159	-28.274485	16.756114	219	-28.395415	16.768849	279	-28.480896	16.745986	339	-28.289872	16.754349	399	-28.218534	16.856850	459	-28.159599	16.891401
40	-28.176639	16.868341	100	-28.221991	16.809315	160	-28.278057	16.755680	220	-28.397147	16.768340	280	-28.478333	16.746882	340	-28.286385	16.754719	400	-28.216051	16.861691	460	-28.155527	16.890564
41	-28.175069	16.865278	101	-28.225063	16.808295	161	-28.279465	16.755342	221	-28.398551	16.767921	281	-28.469874	16.748827	341	-28.281300	16.756286	401	-28.211833	16.864074	461	-28.153299	16.890527
42	-28.173343	16.861464	102	-28.226816	16.808129	162	-28.281633	16.754687	222	-28.400965	16.767846	282	-28.468744	16.750240	342	-28.275874	16.757939	402	-28.207295	16.863602	462	-28.151344	16.891468
43	-28.171960	16.858476	103	-28.229132	16.808462	163	-28.283546	16.754006	223	-28.403178	16.767913	283	-28.467723	16.751289	343	-28.271448	16.758473	403	-28.203197	16.859960	463	-28.150298	16.893271
44	-28.170723	16.855166	104	-28.231618	16.809331	164	-28.285337	16.753255	224	-28.405749	16.768042	284	-28.463606	16.756892	344	-28.267689	16.758915	404	-28.200752	16.857626	464	-28.147528	16.894921
45	-28.169250	16.852398	105	-28.233462	16.810210	165	-28.287883	16.752633	225	-28.406924	16.768098	285	-28.462531	16.759942	345	-28.266361	16.759666	405	-28.199302	16.856261	465	-28.144668	16.894781
46	-28.168132	16.850556	106	-28.234972	16.811227	166	-28.290750	16.752198	226	-28.410264	16.768608	286	-28.462031	16.761731	346	-28.264042	16.760997	406	-28.195328	16.850778	466	-28.144240	16.894374
47	-28.167480	16.848662	107	-28.235690	16.811723	167	-28.293362	16.752247	227	-28.412703	16.769338	287	-28.457992	16.764743	347	-28.262180	16.765455	407	-28.193923	16.849067	467	-28.143921	16.894065
48	-28.167345	16.844899	108	-28.236716	16.812936	168	-28.295705	16.752590	228	-28.414996	16.770260	288	-28.455447	16.767074	348	-28.262081	16.767252	408	-28.190151	16.843924	468	-28.141792	16.892544
49	-28.167873	16.841111	109	-28.239012	16.816025	169	-28.297949	16.753421	229	-28.418223	16.771188	289	-28.450561	16.776582	349	-28.261845	16.769365	409	-28.188735	16.840532	469	-28.140133	16.892183
50	-28.168949	16.838089	110	-28.240043	16.818273	170	-28.300410	16.754467	230	-28.422120	16.772100	290	-28.444437	16.779425	350	-28.261500	16.772241	410	-28.187707	16.839171	470	-28.139218	16.891980
51	-28.170110	16.835954	111	-28.240270	16.821594	171	-28.302941	16.756028	231	-28.425710	16.773130	291	-28.439229	16.780171	351	-28.261467	16.774043	411	-28.186750	16.837872	471	-28.138217	16.891760
52	-28.171025	16.834763	112	-28.240553	16.826403	172	-28.304901	16.757568	232	-28.429447	16.774638	292	-28.434140	16.779706	352	-28.261415	16.776253	412	-28.184993	16.836657	472	-28.137760	16.891762
53	-28.172484	16.833692	113	-28.241491	16.827959	173	-28.305950	16.758931	233	-28.431058	16.775289	293	-28.430783	16.777918	353	-28.261986	16.778125	413	-28.183000	16.835273	473	-28.136928	16.891750
54	-28.174432	16.832904	114	-28.243136	16.829238	174	-28.306611	16.759687	234	-28.434624	16.776271	294	-28.428298	16.776133	354	-28.262638	16.780293	414	-28.180750	16.834785	474	-28.136332	16.891745
55	-28.175883	16.832577	115	-28.245425	16.830764	175	-28.308326	16.761634	235	-28.439256	16.777508	295	-28.422470	16.773567	355	-28.264703	16.782240	415	-28.178537	16.834318	475	-28.135451	16.891732
56	-28.176697	16.832601	116	-28.246905	16.831606	176	-28.309842	16.763694	236	-28.441549	16.778216	296	-28.414131	16.772096	356	-28.266900	16.784305	416	-28.176343	16.834388	476	-28.134719	16.891726
57	-28.177829	16.832644	117	-28.248388	16.831901	177	-28.313691	16.767085	237	-28.442775	16.778473	297	-28.406143	16.769136	357	-28.268162	16.784970	417	-28.174034	16.834480	477	-28.134196	16.891719
58	-28.179023	16.833127	118	-28.250189	16.832041	178	-28.315150	16.769407	238	-28.444313	16.778108	298	-28.403142	16.768445	358	-28.269409	16.785646	418	-28.169460	16.837371	478	-28.132522	16.891613
59	-28.179922	16.833497	119	-28.251876	16.832019	179	-28.316822	16.772701	239	-28.446398	16.777036	299	-28.400823	16.768787	359	-28.271554	16.787744	419	-28.168935	16.839460	479	-28.131796	16.891513
60	-28.181747	16.834044	120	-28.254257	16.830893	180	-28.318356	16.776360	240	-28.448633	16.775576	300	-28.397901	16.769979	360	-28.273113	16.791156	420	-28.168528	16.841112	480	-28.129932	16.891234