

VENDIM
Nr. 593, datë 25.9.2024

PËR SHPALLJEN “PEIZAZH I MBROJTUR UJOR/TOKËSOR” (KATEGORIA V) TË LUMIT BUNA, VELIPOJË

Në mbështetje të nenit 100 të Kushtetutës dhe të neneve 10, pikat 2 e 3, dhe 20, të ligjit nr. 81/2017, “Për zonat e mbrojtura”, të ndryshuar, me propozimin e ministrit të Turizmit dhe Mjedisit, Këshilli i Ministrave

VENDOSI:

1. Shpalljen “Peizazh i mbrojtur ujqor/tokësor” (kategoria V) të lumit Buna, Velipojë, me sipërfaqe 19 471.17 (nëntëmbëdhjetë mijë e katërqind e shtatëdhjetë e një pikë shtatëmbëdhjetë) ha, sipas mbulesës, hartës dhe koordinatave në shtojcat 1, 2 e 3, që i bashkëlidhen këtij vendimi dhe janë pjesë përbërëse të tij.

2. Në peizazhin e mbrojtur ujqor/tokësor “Lumi Buna, Velipojë” zbatohet shkalla e tretë e mbrojtjes, sipas përcaktimeve të pikës 3, të nenit 20, të ligjit nr. 81/2017, “Për zonat e mbrojtura”, të ndryshuar.

3. Veprimtaritë e ndaluara në peizazhin e mbrojtur ujqor/tokësor “Lumi Buna, Velipojë” janë ato të përcaktuara edhe në planin e menaxhimit, të cilat përkeqësojnë, shkatërrojnë dhe/ose çojnë në humbjen e habitateve natyrore dhe janë, si më poshtë vijon:

a) kultivimi e mbarështimi i specieve invazive dhe joendemike, të cilat mund të dëmtojnë zinxhirin ekzistues të botës së gjallë të zonës së mbrojtur;

b) fragmentimi i habitateve;

c) grumbullimi i kafshëve të egra, përveç rasteve me qëllim kërkimor-shkencor ose riprodhimi;

ç) gjuetia;

d) mbjellja e llojeve monokulturë (në pyllëzime).

4. Krahas veprimtarive të lejuara në peizazhin e mbrojtur ujqor/tokësor “Lumi Buna, Velipojë”, sipas parashikimit të pikës 5, të nenit 20, të ligjit nr. 81/2017, “Për zonat e mbrojtura”, të ndryshuar, janë edhe veprimtaritë e mëposhtme:

a) veprimtaritë kërkimore-shkencore;

b) veprimtaritë me qëllim edukimin mjedisor;

c) veprimtaritë me qëllim monitorimin e gjendjes mjedisore, të ekosistemit, të habitateve dhe të llojeve floristike e faunistike;

ç) çdo veprimtari që lidhet me ndërhyrjet e nevojshme ose urgjente për përmirësimin e biodiversitetit, rigjenerimit, ose shëndetësismit, ose çdo veprimtari tjetër për këtë qëllim;

d) veprimtaritë e zhvilluara në struktura miqësore me biodiversitetin dhe mjedisin;

dh) veprimtaritë e zhvilluara në struktura akomoduese të turizmit/agroturizmit dhe çdo veprimtari/infrastrukturë tjetër mbështetëse;

e) veprimtaritë ekonomike, shoqërore, nëpërmjet ndërtimit të strukturave miqësore me biodiversitetin;

ë) instalime për veprimtari të prodhimit të energjisë nga burimet e rinovueshme, si dhe transmetimit dhe shpërndarjes së energjisë;

f) ndërtimi i infrastrukturave të transportit, miqësore me biodiversitetin, si shtigje biçikletash, shtigje për ecje;

g) ndërhyrje të lejuara urbane, të rekreacionit apo ekonomike brenda zonës, duke ruajtur karakterin e saj;

gj) veprimtaritë bujqësore-blegtorale, pylltaria, kullotja;

h) veprimtaritë që kanë të bëjnë me operimin, mirëmbajtjen dhe rehabilitimin/ndërtimin e infrastrukturës së ujitjes, kullimit, mbrojtjes nga përmbytja dhe sigurinë e digave;

i) ngritje e qendrave për mbarështim të peshkut, të llojeve endemike, pasi të jenë pajisur me lejet e nevojshme;

j) ekoturizmi, si: *hiking*, shëtitje me varkë, zhytje për eksplorim të botës nënujore;

k) peshkim artizanal, tradicional dhe çlodhës – argëtues;

l) veprimtaritë kulturore;

ll) veprimtaritë, të cilat inkurajojnë komunitetin vendor në mirëmbajtjen e zonës;

m) veprimtaritë e tilla, si: ndërtime, trajtimi i ujërave të zeza në ferma, ndërtimi i kanaleve lundruese, autostradave, zonave urbane, si dhe veprimtari të ngjashme me këto, nëse subjekti që kërkon të kryejë veprimtarinë është i pajisur me leje nga Këshilli Kombëtar i Territorit dhe Ujit;

n) veprimtaritë ushtarake, të cilat mund të ushtrohen pas miratimit me shkrim/pajisjes me leje mjedisi;

nj) çdo veprimtari tjetër, në përputhje me planin e integruar të menaxhimit të zonës së mbrojtur.

5. Plani i menaxhimit të peizazhit të mbrojtur dhe objektivat e ruajtjes së zonës hartohen nga Agjencia Kombëtare e Zonave të Mbrojtura, në bashkëpunim me ministrinë e linjës, me bashkitë, me publikun e interesuar, me shoqërinë civile dhe me pronarët privatë, pronat e të cilëve shtrihen brenda territorit të zonës së mbrojtur dhe miratohen nga ministri përgjegjës për zonat e mbrojtura, brenda dy vjetësh nga data e hyrjes në fuqi të këtij vendimi.

6. Forma e administrimit/menaxhimit të territorit të peizazhit të mbrojtur ujqor/tokësor “Lumi Buna, Velipojë” është e kombinuar, shtetërore, bashkiake dhe private.

7. Për veprimtaritë e lejuara, të parashikuara në pikën 4, të këtij vendimi, në lidhje me formën dhe mënyrën e përdorimit dhe të gëzimit të shërbimeve të kryera në këtë zonë, zbatohen rregullat e përcaktuara me udhëzim të ministrit, të nxjerrë në zbatim të pikës 4, të nenit 57, të ligjit nr. 81/2017, “Për zonat e mbrojtura”, të ndryshuar.

8. Përjashtimisht, për projektet që lidhen me veprimtaritë e lejuara, të parashikuara në pikën 4, të këtij vendimi, për të cilat nevojitet miratim nga Këshilli Kombëtar i Territorit dhe Ujit, organet përgjegjëse, në vijim të vendimmarrjes së KKTU-së dhe në përputhje me të, hartojnë dhe nënshkruajnë me subjektin zhvillues marrëveshjen përkatëse, që parashikon rregulla për përdorimin e zonës së mbrojtur, ku bën pjesë projekti i miratuar nga KKTU-ja, në përputhje me legjislacionin në fuqi.

9. Të ardhurat, që krijohen nga përdorimi i zonës së mbrojtur, në varësi të formës së menaxhimit, administrohen dhe përdoren nga institucionet menaxhuese, në përputhje me legjislacionin në fuqi.

10. Për vijueshmërinë e veprimtarive, që zhvillohen brenda territorit të peizazhit të mbrojtur ujqor/tokësor “Lumi Buna, Velipojë”, me kontrata zhvillimi, të lidhura para hyrjes në fuqi të këtij vendimi dhe të pajisura me leje mjedisore, dhe vendim të Këshillit Kombëtar të Territorit dhe Ujit, zbatohen parashikimet e ligjit nr. 81/2017, “Për zonat e mbrojtura”, të ndryshuar.

11. Vendimi nr. 682, datë 2.11.2005, i Këshillit të Ministrave, “Për shpalljen e Lumit Buna dhe territoreve ligatinore përreth tij ‘Peizazh ujqor/tokësor i mbrojtur’”, shfuqizohet.

12. Ngarkohen Ministria e Turizmit dhe Mjedisit, Agjencia Kombëtare e Zonave të Mbrojtura, Agjencia Shtetërore e Kadastrës dhe Bashkia Shkodër për zbatimin e këtij vendimi.

Ky vendim hyn në fuqi pas botimit në Fletoren Zyrtare.

ZËVENDESKRYEMINISTËR

Belinda Balluku

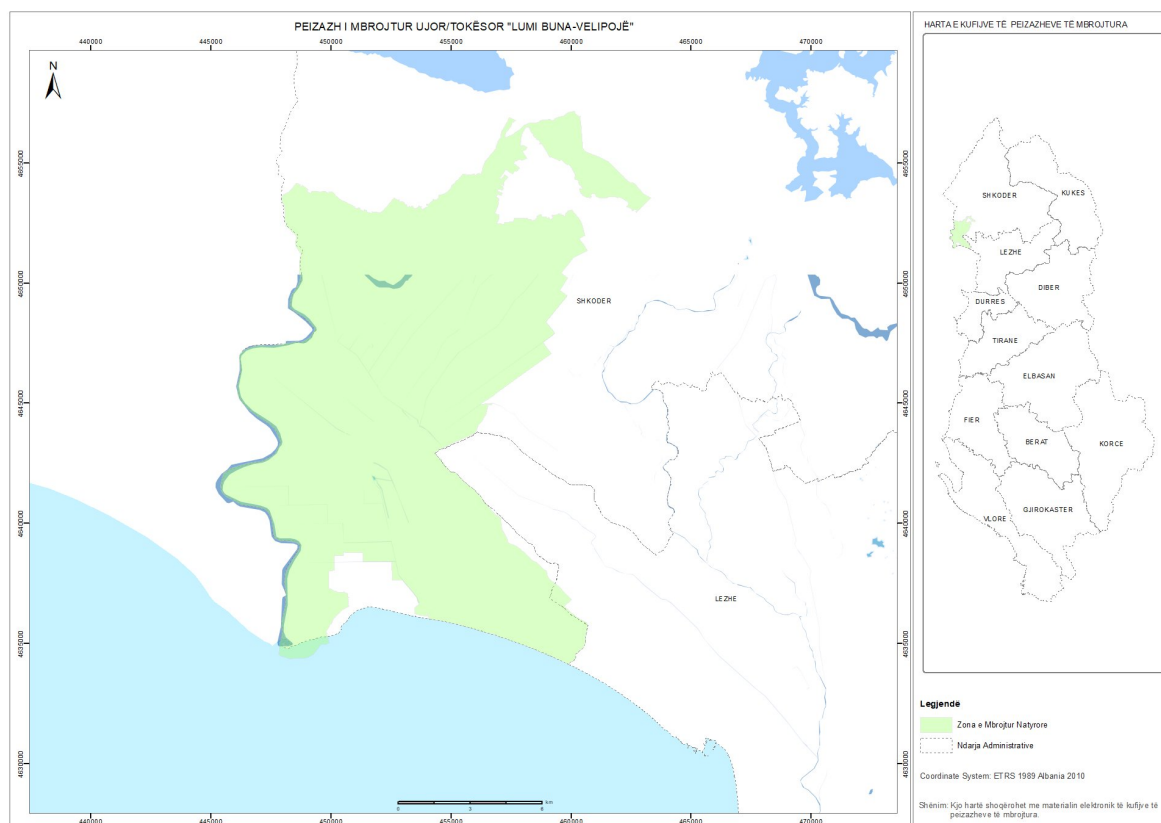
SHTOJCA 1

Sipërfaqja e zonës së mbrojtur, e përshkruar sipas mbulesës

Mbulesa	Sip. në ha	Përqindja
Bujqësore	1808	9.29
Pyje	343.9	1.77
Sipërfaqe heterogjene bujqësore	7611.3	39.09
Sipërfaqe ujore	755.7	3.88
Sipërfaqe kënetore	975.1	5.01
Sipërfaqe ujore detare	543.1	2.79
Sipërfaqe pa/ose me vegetacion të pakët	1325	6.80
Kullota	803.9	4.13
Shkurre dhe bimësi barishtore	4043.7	20.77
Zona urbane	1261.47	6.48
Total	19471.17	100.00

SHTOJCA 2

Harta e peizazhit të mbrojtur ujqor/tokësor “Lumi Buna – Velipojë”



SHTOJCA 3

Koordinatat e peizazhit të mbrojtur ujor/tokësor “Lumi Buna – Velipojë”

Pikat	X	Y	Pikat	X	Y	Pikat	X	Y
1	457255.5	4654313	51	456871.9	4653606	101	456993.5	4652750
2	457251.1	4654308	52	456860.4	4653581	102	456993.5	4652722
3	457238.8	4654296	53	456859.8	4653580	103	456992.3	4652702
4	457230.8	4654286	54	456898	4653560	104	456990.2	4652688
5	457255.5	4654313	55	456904.6	4653564	105	456985.2	4652667
6	457230.7	4654286	56	456933.8	4653555	106	456981.1	4652657

7	457181.8	4654185	57	456954.6	4653540	107	456965.6	4652628
8	457177.2	4654110	58	456959.9	4653534	108	456955.2	4652609
9	457177	4654107	59	456965.6	4653528	109	456938.5	4652579
10	457176.4	4654098	60	456973.8	4653510	110	456930.4	4652564
11	457176.3	4654095	61	456975.6	4653501	111	456916.9	4652540
12	457173.4	4654044	62	456977.6	4653492	112	456912.1	4652531
13	457059	4654121	63	456978.1	4653487	113	456909.9	4652527
14	457045.5	4654101	64	456978	4653487	114	456900.2	4652509
15	457170.6	4654013	65	456977.2	4653487	115	456894.9	4652498
16	457170.6	4654005	66	456977.4	4653485	116	456890.5	4652486
17	457170.7	4654001	67	456978.2	4653474	117	456889.5	4652480
18	457170.8	4654000	68	456980.6	4653466	118	456889.3	4652479
19	457158.5	4653953	69	456968.7	4653373	119	456940.6	4652481
20	457155.7	4653943	70	456968.7	4653373	120	457061.1	4652484
21	457153	4653933	71	456967	4653364	121	457078.3	4652485
22	457143.2	4653867	72	456966.8	4653363	122	457079.4	4652452
23	457008	4653904	73	456957.6	4653307	123	457162	4652459
24	456974.8	4653913	74	456957.6	4653307	124	457204.3	4652463
25	456974.8	4653913	75	456951.6	4653271	125	457202.5	4652486
26	456965.8	4653915	76	456952.2	4653252	126	457203.8	4652486
27	456958.9	4653917	77	456952.9	4653234	127	457202.3	4652510
28	456958.4	4653916	78	456927.1	4653180	128	457202.1	4652535
29	456931.2	4653846	79	456922.9	4653171	129	457396	4652541
30	456928.5	4653839	80	456918.2	4653162	130	457400.8	4652541
31	456929.4	4653839	81	456893.9	4653114	131	457401.6	4652541
32	456932.6	4653836	82	456875.8	4653072	132	457402.3	4652541
33	456928.9	4653829	83	456875.8	4653072	133	457441.7	4652547
34	456954.4	4653818	84	456875.7	4653072	134	457396	4652541
35	456985.2	4653793	85	456857.6	4653029	135	457461.3	4652549
36	457012.5	4653789	86	456853.2	4653015	136	457594.6	4652544
37	457034.3	4653786	87	456849.1	4653003	137	457607.1	4652713
38	457088.5	4653767	88	456844.7	4652989	138	457759.7	4652701
39	457088.5	4653767	89	456844.7	4652989	139	457775.9	4652700
40	457100.7	4653762	90	456833.5	4652954	140	457810.5	4652701
41	457120.9	4653755	91	456822.2	4652919	141	457974.8	4652705
42	457130.6	4653751	92	456820	4652912	142	457975.1	4652705
43	457130.2	4653750	93	456821.5	4652912	143	457976.6	4652705
44	457086.2	4653644	94	456817.5	4652898	144	457977.8	4652705
45	457004	4653672	95	456959.3	4652855	145	457990.1	4652706
46	456998.5	4653674	96	456975.7	4652853	146	458009.3	4652705
47	456984.2	4653684	97	456983.4	4652852	147	458025.4	4652705
48	456971.4	4653693	98	456985.9	4652829	148	458044.2	4652706
49	456952.8	4653706	99	456989.3	4652802	149	458061.1	4652706
50	456927.3	4653724	100	456992.1	4652774	150	458074.2	4652706
151	458086.1	4652708	201	459362	4652846	251	460442.2	4651918
152	458103.6	4652710	202	459433.2	4652868	252	460444.7	4651913
153	458121.3	4652713	203	459470.1	4652879	253	460348	4651854
154	458141.9	4652714	204	459489.5	4652887	254	460478.2	4651651
155	458172.2	4652714	205	459524.1	4652904	255	460659.8	4651358
156	458172.2	4652714	206	459544.6	4652869	256	460084.5	4651059
157	458175.8	4652684	207	459578.4	4652880	257	460010.1	4650966
158	458178.4	4652652	208	459582.3	4652870	258	459578.9	4650432
159	458179.6	4652652	209	459598.2	4652826	259	459860.8	4650208
160	458318.9	4652661	210	459599.7	4652826	260	459514.6	4649714
161	458330.1	4652608	211	459684.1	4652832	261	459754	4649531
162	458497.3	4652640	212	459685.3	4652786	262	459817.2	4649472
163	458496.4	4652677	213	459749.4	4652804	263	459777	4649412

164	458576.6	4652691	214	459752.1	4652840	264	458940.9	4648382
165	458566.7	4652781	215	459752.6	4652864	265	459266.9	4647990
166	458574.3	4652786	216	459752.3	4652875	266	459303.9	4647908
167	458581.7	4652791	217	459750.9	4652877	267	459216.6	4647823
168	458591.6	4652799	218	459748.2	4652898	268	458825	4647550
169	458595.5	4652803	219	459788	4652900	269	458875.4	4647483
170	458596.5	4652804	220	459776.6	4652934	270	459171.8	4647057
171	458597.3	4652805	221	459860.3	4652961	271	458557.9	4646628
172	458600.8	4652809	222	459843.9	4653007	272	457669.7	4646001
173	458606.8	4652814	223	459843.2	4653009	273	456830.2	4645393
174	458613	4652818	224	459863.3	4653014	274	456742.9	4645326
175	458617.3	4652822	225	459874.4	4653017	275	456229.6	4644974
176	458622.6	4652827	226	459875.6	4653017	276	456290.4	4644956
177	458627.9	4652833	227	459876.8	4653018	277	456491.5	4644980
178	458635.5	4652839	228	459887.1	4653020	278	456707.4	4644983
179	458645.2	4652844	229	459907.9	4653025	279	456699.2	4644956
180	458657	4652848	230	459946.6	4653033	280	456690.1	4644924
181	458675.1	4652850	231	459947.9	4653033	281	456678.2	4644928
182	458689.6	4652853	232	459949.1	4653034	282	456617.8	4644941
183	458702.4	4652856	233	459969.9	4653038	283	456566.2	4644936
184	458717.7	4652860	234	460015.2	4653049	284	456535.4	4644915
185	458736.3	4652863	235	460028	4653053	285	456520	4644877
186	458737.5	4652864	236	460056.2	4653004	286	456489.9	4644784
187	458738.5	4652862	237	460116	4652928	287	456465.2	4644690
188	458741.4	4652858	238	460178.1	4652860	288	456461.7	4644664
189	458746.4	4652848	239	460264.8	4652765	289	456460.9	4644646
190	458753.5	4652824	240	460307	4652717	290	456457.2	4644599
191	458761.9	4652787	241	460344.7	4652663	291	456447	4644564
192	458768.9	4652755	242	460384	4652594	292	456417	4644502
193	458976.7	4652760	243	460405.6	4652543	293	456397.3	4644465
194	458993.1	4652719	244	460428.2	4652483	294	456371.2	4644434
195	459057.8	4652733	245	460504.5	4652164	295	456339.9	4644394
196	459105.1	4652647	246	460554.2	4651981	296	456327.5	4644370
197	459226	4652694	247	460543.9	4651975	297	456311.1	4644323
198	459192.7	4652825	248	460518.4	4651961	298	456298.9	4644279
199	459245.8	4652826	249	460517.9	4651960	299	456265.5	4644243
200	459304.4	4652834	250	460459.4	4651928	300	456191.2	4644164
301	456136.8	4644108	351	456017.7	4641361	401	459701.5	4636554
302	456113.9	4644075	352	456045.7	4641300	402	460154.5	4636140
303	456053	4643855	353	456103.4	4641247	403	460384.5	4635984
304	456040.5	4643833	354	456168	4641207	404	460644	4635852
305	456024.9	4643816	355	456214.2	4641153	405	460691.6	4635740
306	455973.5	4643752	356	456233.3	4641108	406	460676	4635680
307	455905.6	4643715	357	456272	4641061	407	460672.1	4635626
308	455548.6	4643555	358	456295.1	4641034	408	460637.1	4635465
309	454948.8	4643285	359	456318.4	4640958	409	460625.4	4635404
310	454626.9	4643131	360	456326.2	4640951	410	460625.1	4635402
311	454645.4	4643112	361	456372.9	4640905	411	460621.5	4635335
312	454530.9	4643085	362	456433.8	4640828	412	460592.9	4635271
313	454478.6	4643048	363	456466.8	4640798	413	460580.5	4635198
314	454441.6	4643012	364	456596.7	4640646	414	460581.8	4635085
315	454398.1	4642976	365	456677.4	4640534	415	460591.1	4635058
316	454378.8	4642960	366	456801.1	4640417	416	460599.1	4635033
317	454336.2	4642956	367	456864.8	4640338	417	460594.2	4635010
318	454313.6	4642932	368	456947.9	4640303	418	460571.8	4634978
319	454398.9	4642818	369	457048.3	4640205	419	460541.7	4634941
320	454456.9	4642756	370	457069.6	4640079	420	460529.5	4634900

321	454524.6	4642695	371	457084.4	4639944	421	460515.9	4634868
322	454592.3	4642583	372	457116.3	4639762	422	460482.1	4634823
323	454651.8	4642511	373	457193.8	4639638	423	460457	4634797
324	454712.9	4642436	374	457240.7	4639544	424	460408.9	4634782
325	454784.6	4642349	375	457291.6	4639436	425	460400.7	4634771
326	454856.6	4642291	376	457333.1	4639318	426	460381.8	4634745
327	454880.4	4642244	377	457354.5	4639180	427	460349.9	4634724
328	454919	4642198	378	457454.2	4639138	428	460340.2	4634688
329	454960	4642167	379	457560.2	4639126	429	460320	4634661
330	455009.8	4642146	380	457753.1	4639032	430	460276.1	4634632
331	455064.9	4642137	381	457786.6	4638996	431	460262.2	4634622
332	455097.5	4642150	382	457890.7	4638911	432	460210.6	4634584
333	455152.7	4642105	383	458072.4	4638755	433	460195.6	4634566
334	455247.8	4642039	384	458258.2	4638589	434	460196.1	4634522
335	455303.3	4641983	385	458388	4638464	435	460192.3	4634490
336	455331.3	4641952	386	458465.1	4638416	436	460190.6	4634448
337	455360.9	4641919	387	458581.2	4638344	437	460177	4634417
338	455397.3	4641877	388	458711.6	4638220	438	460159.7	4634375
339	455430.7	4641839	389	458848.5	4638106	439	460139.9	4634333
340	455476.4	4641785	390	458962.1	4638011	440	460124.9	4634310
341	455516.6	4641749	391	458989.5	4637926	441	460094.7	4634288
342	455586.2	4641695	392	458996.8	4637873	442	460061.9	4634270
343	455618.5	4641669	393	459017.3	4637817	443	459984.7	4634240
344	455696.2	4641609	394	459041.1	4637758	444	459887.3	4634128
345	455759.6	4641570	395	459074.9	4637695	445	459852.4	4634142
346	455820.8	4641518	396	459131.8	4637633	446	459776.5	4634180
347	455867	4641479	397	459324.4	4637500	447	459546.5	4634295
348	455892.7	4641458	398	459471.9	4637399	448	459442.8	4634340
349	455939.5	4641422	399	459714.2	4637108	449	459399.8	4634352
350	455989	4641383	400	460010.8	4636840	450	459310.4	4634397
451	459201.9	4634445	501	454016.9	4636198	551	453666	4636653
452	459138.1	4634474	502	454012.9	4636183	552	453607.6	4636745
453	459079	4634497	503	454007.6	4636172	553	453585.5	4636812
454	458977	4634540	504	454003.7	4636162	554	453588	4636813
455	458491.2	4634747	505	454001	4636154	555	453587.2	4636816
456	458315.8	4634813	506	453995.7	4636146	556	453587.1	4636816
457	458261.6	4634839	507	453987.8	4636139	557	453573.4	4636864
458	458204.3	4634847	508	453969.3	4636137	558	453563.2	4636900
459	458122.9	4634885	509	453915.5	4636147	559	453549	4636922
460	458040	4634914	510	453894.8	4636148	560	453544	4636930
461	457891.8	4634975	511	453865.5	4636150	561	453529.6	4636953
462	457797.8	4635011	512	453834.5	4636157	562	453482.8	4637009
463	457713.3	4635041	513	453810.7	4636160	563	453369.3	4637164
464	457547.5	4635103	514	453771.8	4636162	564	453351.7	4637183
465	457369	4635163	515	453750.4	4636167	565	453312.8	4637234
466	457150.8	4635232	516	453728.9	4636175	566	453307.3	4637231
467	457008.2	4635279	517	453712.3	4636178	567	453190.7	4637357
468	456755.8	4635375	518	453687.7	4636177	568	453138	4637404
469	456312.5	4635489	519	453659.1	4636188	569	452955.8	4637642
470	456145.2	4635543	520	453620.2	4636205	570	452783.7	4637644
471	455916.9	4635612	521	453597.2	4636216	571	452536	4637640
472	455736.4	4635662	522	453569.4	4636223	572	452535	4637666
473	455611.7	4635695	523	453536	4636228	573	452509.5	4638399
474	455452.5	4635739	524	453518.6	4636238	574	451882.8	4638396
475	455295.9	4635779	525	453479.2	4636252	575	451322.3	4638392
476	455128	4635829	526	453480.1	4636379	576	451318.1	4638787
477	455034.6	4635849	527	453483	4636427	577	450547.1	4638791

478	454932.9	4635862	528	453483.1	4636509	578	450541	4638835
479	454716.4	4635911	529	453509.2	4636529	579	450502.6	4638834
480	454489.4	4635957	530	453540.8	4636554	580	450506.5	4638663
481	454360.1	4635972	531	453553.1	4636563	581	450503.2	4638663
482	454105.6	4636024	532	453561.4	4636569	582	450114.7	4638656
483	454054.5	4636047	533	453562.4	4636569	583	450113.6	4638656
484	453997.4	4636048	534	453564.7	4636571	584	450112.9	4638656
485	453986.4	4636049	535	453567	4636572	585	450112.2	4638656
486	453987.8	4636050	536	453568	4636573	586	450112.4	4638651
487	454001.7	4636062	537	453572.6	4636576	587	450113.4	4638630
488	454008.3	4636066	538	453574.4	4636577	588	450113.6	4638621
489	454019.5	4636066	539	453574.9	4636578	589	450114	4638617
490	454036.7	4636067	540	453577.8	4636580	590	450114.6	4638605
491	454044.7	4636072	541	453578.1	4636580	591	450115.4	4638588
492	454052	4636082	542	453580.1	4636582	592	450118.2	4638529
493	454055.9	4636090	543	453581.3	4636582	593	450119.2	4638508
494	454053.9	4636099	544	453599	4636597	594	450120.2	4638487
495	454046.7	4636114	545	453633.4	4636625	595	450125.3	4638379
496	454044.7	4636134	546	453645.4	4636635	596	450125.9	4638368
497	454046.7	4636198	547	453646.8	4636636	597	450126.1	4638364
498	454041.4	4636207	548	453648.3	4636638	598	450126.1	4638363
499	454031.4	4636212	549	453649.5	4636639	599	450126.2	4638361
500	454021.5	4636209	550	453648.4	4636639	600	450125.4	4638360
601	450118.7	4638360	651	450122	4638164	701	450564.6	4637105
602	450117.9	4638360	652	450122.4	4638159	702	450581	4637097
603	450115.7	4638360	653	450122.9	4638155	703	450678.7	4637087
604	450115.7	4638357	654	450123.5	4638150	704	450688	4636938
605	450115.7	4638342	655	450123.6	4638149	705	450707.2	4636936
606	450115.7	4638335	656	450123.8	4638148	706	450738.1	4636930
607	450115.9	4638327	657	450124	4638148	707	450737	4636915
608	450116.2	4638327	658	450124.3	4638147	708	450732.1	4636897
609	450116.4	4638326	659	450124	4638143	709	450691.4	4636898
610	450116.6	4638326	660	450116.2	4638036	710	450698.8	4636832
611	450116.8	4638325	661	450007.6	4638027	711	450701.3	4636768
612	450117	4638325	662	449892.3	4638018	712	450712.8	4636647
613	450117.2	4638324	663	449895.6	4637825	713	450736.4	4636556
614	450117.3	4638324	664	449896.3	4637789	714	450455.2	4636386
615	450117.4	4638323	665	449896.3	4637786	715	450287.5	4636235
616	450117.5	4638323	666	449896.4	4637783	716	450271.1	4636222
617	450117.6	4638322	667	449899	4637634	717	450246.7	4636192
618	450117.7	4638322	668	449900.1	4637567	718	450203.2	4636137
619	450117.7	4638321	669	449900.2	4637566	719	450181.2	4636115
620	450117.8	4638320	670	449900.6	4637431	720	450164	4636099
621	450117.8	4638319	671	449900.7	4637395	721	450145.1	4636085
622	450117.8	4638318	672	449900.8	4637367	722	450111.9	4636068
623	450117.8	4638317	673	449902.8	4637347	723	450099.7	4636053
624	450117.7	4638316	674	449903.6	4637317	724	450083	4636028
625	450117.6	4638315	675	449904.1	4637298	725	450072.9	4636005
626	450117.5	4638313	676	449904.3	4637291	726	450066	4635983
627	450117.4	4638312	677	449993	4637256	727	450060.4	4635959
628	450117.4	4638310	678	450136.8	4637182	728	450055.4	4635938
629	450117.8	4638292	679	450240.1	4637153	729	450045.9	4635918
630	450118.7	4638257	680	450241.2	4637152	730	450040.9	4635900
631	450119.4	4638231	681	450243.9	4637150	731	450031	4635884
632	450119.8	4638217	682	450261.1	4637145	732	450025.6	4635874
633	450119.9	4638215	683	450303.6	4637131	733	450022	4635861
634	450120.1	4638213	684	450336.4	4637125	734	450018	4635851

635	450120.4	4638210	685	450336.6	4637125	735	450009.6	4635838
636	450120.7	4638208	686	450336.8	4637125	736	449989.7	4635823
637	450121.2	4638206	687	450338.3	4637125	737	449969	4635809
638	450121.6	4638203	688	450339.8	4637125	738	449961.6	4635800
639	450122	4638200	689	450340.1	4637125	739	449948.3	4635793
640	450122.3	4638197	690	450374.2	4637123	740	449935.8	4635779
641	450122.5	4638194	691	450404.1	4637124	741	449926	4635761
642	450122.6	4638192	692	450420.2	4637128	742	449913.6	4635736
643	450122.6	4638189	693	450449.2	4637135	743	449908.5	4635725
644	450122.6	4638187	694	450480.5	4637143	744	449906.4	4635711
645	450122.4	4638184	695	450506.1	4637147	745	449905.8	4635701
646	450122.2	4638182	696	450537.4	4637158	746	449902.1	4635696
647	450121.9	4638179	697	450539.8	4637142	747	449895.1	4635689
648	450121.8	4638176	698	450544.5	4637128	748	449892.1	4635662
649	450121.8	4638173	699	450547.6	4637124	749	449889.2	4635653
650	450121.8	4638170	700	450555.5	4637112	750	449878.6	4635641
751	449870.1	4635629	801	448095	4638000	851	447834.9	4643288
752	449831	4635577	802	448295.9	4638359	852	447853.3	4643408
753	449816.4	4635554	803	448503.9	4638686	853	447820	4643538
754	449784.7	4635521	804	448601.4	4638835	854	447726.5	4643728
755	449916	4635015	805	448659.5	4638955	855	447604.9	4643941
756	449823.4	4635001	806	448666.7	4639019	856	447424.2	4644121
757	449734.7	4634957	807	448661.9	4639090	857	446916.2	4644453
758	449640.4	4634974	808	448637.7	4639126	858	446579.7	4644711
759	449589.8	4634973	809	448545.6	4639192	859	446330.5	4644970
760	449520.4	4634902	810	448445.9	4639227	860	446213.8	4645108
761	449454.3	4634811	811	448271	4639252	861	446149	4645214
762	449404.7	4634756	812	448016.8	4639257	862	446091.4	4645388
763	449344.8	4634651	813	447869.7	4639279	863	446073.9	4645527
764	449292.1	4634590	814	447750.2	4639314	864	446072.9	4645614
765	449221.3	4634548	815	447666.1	4639376	865	446071.9	4645701
766	449159.2	4634490	816	447617.5	4639459	866	446090.3	4645825
767	449117.5	4634465	817	447580.2	4639598	867	446128.1	4645988
768	448969.1	4634417	818	447549.8	4639816	868	446166.4	4646107
769	448853.1	4634388	819	447494.6	4640125	869	446199.6	4646326
770	448743.2	4634378	820	447416.3	4640370	870	446213.3	4646513
771	448741.3	4634378	821	447323.6	4640496	871	446187.7	4646660
772	448606.9	4634383	822	447215.4	4640578	872	446162.4	4646786
773	448550.2	4634396	823	447048	4640639	873	446161.4	4646878
774	448489.5	4634395	824	446829.1	4640684	874	446156.4	4646965
775	448437.8	4634392	825	446546.7	4640733	875	446175.4	4647037
776	448391.4	4634368	826	446280.2	4640777	876	446222.1	4647112
777	448330.5	4634358	827	446060.8	4640866	877	446312.8	4647165
778	448274.6	4634367	828	445845.1	4640983	878	446419.2	4647234
779	448199.1	4634385	829	445621.3	4641107	879	446545.5	4647295
780	448106.7	4634408	830	445489	4641217	880	446699.7	4647348
781	448056.2	4634431	831	445428.3	4641315	881	446846.2	4647386
782	448014.8	4634447	832	445395.3	4641426	882	446980.9	4647411
783	447905.4	4634472	833	445378	4641545	883	447119.8	4647417
784	447864.4	4634519	834	445384.5	4641672	884	447346.1	4647407
785	447839.3	4634531	835	445410.6	4641811	885	447564.5	4647410
786	447811.8	4634548	836	445464.2	4641987	886	447671.5	4647419
787	447845.3	4635013	837	445534	4642126	887	447826	4647449
788	447883.4	4635148	838	445644.3	4642199	888	448063.8	4647487
789	447909.6	4635284	839	445849.5	4642305	889	448269.7	4647529
790	447931.8	4635423	840	446438.9	4642486	890	448432.1	4647563
791	447929.9	4635590	841	446684.5	4642533	891	448570.9	4647573

792	447912.5	4635720	842	446906.4	4642567	892	448690.1	4647562
793	447902.8	4635867	843	447060.8	4642601	893	448797.1	4647583
794	447932.9	4636014	844	447215.2	4642642	894	448899.8	4647620
795	448001	4636305	845	447321.7	4642699	895	448990.6	4647669
796	448061.7	4636544	846	447495.2	4642796	896	449061.4	4647725
797	448087.1	4636751	847	447620.9	4642913	897	449163.4	4647826
798	448083.4	4637068	848	447706.8	4643037	898	449229.4	4647957
799	448047.1	4637569	849	447769.2	4643133	899	449280	4648041
800	448057.2	4637834	850	447807.9	4643221	900	449282.8	4648141
901	449125.9	4648321	951	448046.7	4653163	1001	448768.2	4654020
902	448848.8	4648588	952	448057.6	4653196	1002	448787.1	4654070
903	448656.9	4648705	953	448059.4	4653214	1003	448787.2	4654070
904	448468.9	4648830	954	448050.6	4653227	1004	448787.9	4654071
905	448316.9	4648927	955	448015	4653273	1005	448796.5	4654066
906	448276.3	4649006	956	447969.6	4653351	1006	448862.1	4654022
907	448259.3	4649097	957	447961.1	4653380	1007	448926.6	4653981
908	448257.8	4649224	958	447956.8	4653389	1008	448946.8	4653966
909	448284.2	4649344	959	447948.7	4653403	1009	448982.9	4653935
910	448310.6	4649463	960	447939	4653414	1010	449002.7	4653917
911	448388.3	4649611	961	447927.7	4653434	1011	449024.9	4653892
912	448501.7	4649763	962	447924.3	4653519	1012	449026.8	4653890
913	448595.2	4649915	963	447924.3	4653658	1013	449025.5	4653888
914	448676.4	4650099	964	447951	4653659	1014	448998.7	4653852
915	448702.3	4650258	965	447977.9	4653665	1015	448997.5	4653850
916	448676.6	4650424	966	448000.8	4653675	1016	448991.9	4653843
917	448669.5	4650686	967	448024.4	4653688	1017	448973	4653817
918	448675.4	4650865	968	448058.7	4653706	1018	448976.3	4653815
919	448697.1	4651048	969	448073.4	4653717	1019	448981.3	4653811
920	448735.9	4651238	970	448086.4	4653728	1020	449022.4	4653782
921	448592.2	4651426	971	448103.2	4653741	1021	449039.5	4653791
922	448551.8	4651486	972	448111.2	4653748	1022	449041.7	4653790
923	448514.2	4651579	973	448118.4	4653753	1023	449066.5	4653778
924	448500.5	4651669	974	448129.1	4653756	1024	449124.6	4653750
925	448504.7	4651715	975	448141.8	4653760	1025	449152.6	4653783
926	448519.9	4651768	976	448158.7	4653763	1026	449156.9	4653787
927	448539.7	4651840	977	448174.1	4653767	1027	449164	4653810
928	448546.7	4651921	978	448185.5	4653771	1028	449164	4653810
929	448514.4	4652006	979	448192.6	4653775	1029	449165	4653813
930	448488.3	4652030	980	448208.8	4653788	1030	449200.6	4653816
931	448454	4652068	981	448268	4653840	1031	449252.4	4653826
932	448377	4652134	982	448309.4	4653880	1032	449292.5	4653831
933	448305.1	4652224	983	448327.2	4653900	1033	449321.6	4653829
934	448203.6	4652306	984	448398.3	4653989	1034	449382.6	4653821
935	448128.6	4652354	985	448479.9	4654092	1035	449413.9	4653816
936	448100.8	4652375	986	448517.4	4654139	1036	449450.1	4653812
937	448081.5	4652402	987	448528.2	4654148	1037	449477.6	4653809
938	448106.8	4652424	988	448537.7	4654153	1038	449500.6	4653808
939	448126.5	4652441	989	448544	4654155	1039	449525.3	4653808
940	448127.4	4652452	990	448555.9	4654155	1040	449578.3	4653813
941	448120.8	4652475	991	448572.5	4654153	1041	449604.9	4653816
942	448110.9	4652512	992	448593.7	4654149	1042	449689.1	4653823
943	448083.9	4652559	993	448621.1	4654141	1043	449768.3	4653830
944	448057	4652593	994	448684.4	4654117	1044	449777	4653831
945	448049.3	4652623	995	448703.9	4654110	1045	449777.5	4653829
946	448057.3	4652663	996	448703.4	4654108	1046	449778.6	4653824
947	448058.6	4652812	997	448702.5	4654104	1047	449791.9	4653772
948	448057.2	4652873	998	448694.8	4654074	1048	449802.3	4653769

949	448057.6	4653007	999	448692.2	4654064	1049	449892.5	4653744
950	448045	4653139	1000	448729.5	4654041	1050	449892.8	4653744
1051	449895	4653743	1101	450973.3	4653130	1151	452044.5	4652945
1052	449895.7	4653756	1102	451098	4653093	1152	452059.7	4652946
1053	449896.3	4653768	1103	451098.8	4653094	1153	452067.3	4652948
1054	449896.9	4653775	1104	451118.1	4653132	1154	452074.9	4652951
1055	449899.1	4653784	1105	451121.4	4653138	1155	452086.1	4652960
1056	449901.7	4653793	1106	451122.2	4653140	1156	452098.6	4652970
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1378	456814.3	4655553	1428	457668.7	4656786	1478	458704.8	4656760
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1381	456851	4655630	1431	457618.1	4656716	1481	458751.6	4656781
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1395	456989.9	4655968	1445	457259.4	4656238	1495	459144.7	4656781
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1503	459298.2	4656842	1553	461090.3	4655266	1603	462432.2	4654198
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1667	462531.2	4653025	1717	461474.9	4653551	1767	460430.6	4653994
1668	462530.1	4653052	1718	461441.6	4653541	1768	460421.4	4654006
1669	462523.4	4653076	1719	461401.1	4653541	1769	460418	4654025
1670	462512.9	4653091	1720	461357.4	4653544	1770	460414.1	4654042
1671	462448.2	4653126	1721	461322.9	4653556	1771	460408.8	4654053
1672	462423.7	4653137	1722	461293.7	4653560	1772	460400.9	4654059
1673	462407	4653140	1723	461264.6	4653559	1773	460382.3	4654066
1674	462394.2	4653141	1724	461200.8	4653547	1774	460357.9	4654070
1675	462356.8	4653155	1725	461184.4	4653544	1775	460340.7	4654081
1676	462321.6	4653173	1726	461140.2	4653548	1776	460328.8	4654103

1677	462304	4653187	1727	461103.2	4653572	1777	460310.2	4654142
1678	462370.7	4653278	1728	461076.2	4653589	1778	460304.9	4654163
1679	462375.5	4653324	1729	461060.8	4653602	1779	460298.3	4654196
1680	462385	4653341	1730	461056.3	4653605	1780	460300.3	4654225
1681	462385	4653356	1731	460999.3	4653688	1781	460286	4654249
1682	462364.9	4653369	1732	460999.3	4653688	1782	460274.9	4654263
1683	462339.5	4653375	1733	460995	4653694	1783	460260.6	4654279
1684	462313	4653390	1734	460954.5	4653728	1784	460248.9	4654293
1685	462328.4	4653404	1735	460882	4653727	1785	460223.5	4654304
1686	462335.8	4653418	1736	460856.2	4653703	1786	460165.9	4654322
1687	462333.7	4653432	1737	460809.2	4653693	1787	460124.4	4654338
1688	462316.7	4653441	1738	460794.5	4653677	1788	460138	4654383
1689	462296.6	4653422	1739	460808.2	4653651	1789	460150.5	4654462
1690	462287.6	4653415	1740	460817.2	4653635	1790	460155.4	4654520
1691	462272.8	4653428	1741	460841.5	4653600	1791	460145.8	4654566
1692	462236.8	4653450	1742	460797	4653560	1792	460125.2	4654599
1693	462161.7	4653501	1743	460790.7	4653550	1793	460092.6	4654631
1694	462132	4653512	1744	460637.3	4653575	1794	460116.6	4654652
1695	462129.4	4653533	1745	460568.7	4653602	1795	460091.3	4654673
1696	462072.8	4653557	1746	460486.5	4653653	1796	460040.5	4654724
1697	462054.8	4653559	1747	460469	4653659	1797	460035.2	4654735
1698	462032.1	4653558	1748	460457.2	4653671	1798	460024	4654757
1699	462012.5	4653567	1749	460441.7	4653690	1799	460019	4654764
1700	462005.9	4653566	1750	460396.8	4653723	1800	460022.4	4654774
1801	459997.5	4654795	1851	458536.4	4656001	1901	457870.9	4655796
1802	459978.5	4654833	1852	458532.9	4656030	1902	457870.4	4655794
1803	459892.6	4654917	1853	458504.3	4656067	1903	457867.4	4655779
1804	459860.3	4654952	1854	458483.1	4656071	1904	457870.2	4655778
1805	459843.7	4654936	1855	458467.8	4656087	1905	457874	4655776
1806	459817.1	4654909	1856	458438.2	4656112	1906	457891.7	4655767
1807	459712	4655010	1857	458401.1	4656157	1907	457892.1	4655767
1808	459667.7	4655055	1858	458415	4656192	1908	457886.9	4655645
1809	459654	4655068	1859	458402	4656215	1909	457895.9	4655643
1810	459649.3	4655073	1860	458360.9	4656252	1910	457941.6	4655746
1811	459643.6	4655079	1861	458354.9	4656248	1911	458027.6	4655706
1812	459640.3	4655082	1862	458325.8	4656282	1912	458035.9	4655721
1813	459639.1	4655083	1863	458285.5	4656333	1913	458056.9	4655707
1814	459625.8	4655093	1864	458303.8	4656360	1914	458145.2	4655658
1815	459596.2	4655115	1865	458300.8	4656369	1915	458135.8	4655632
1816	459564.8	4655139	1866	458260.4	4656431	1916	458139	4655630
1817	459563.7	4655138	1867	458246.9	4656449	1917	458141.1	4655629
1818	459549.5	4655129	1868	458233.2	4656459	1918	458097.1	4655556
1819	459514.9	4655108	1869	458271	4656492	1919	457957.4	4655508
1820	459492.8	4655095	1870	458257.8	4656512	1920	458161	4655203
1821	459487.5	4655092	1871	458216.3	4656507	1921	458043.2	4655159
1822	459487.3	4655091	1872	458167.4	4656504	1922	457957.4	4655126
1823	459485.8	4655091	1873	458159.1	4656503	1923	457943.3	4655124
1824	459469.3	4655107	1874	458133.2	4656490	1924	457815.4	4655151
1825	459412.2	4655148	1875	458097.5	4656474	1925	457813.5	4655151
1826	459352	4655175	1876	458089.8	4656464	1926	457810.5	4655154
1827	459256.9	4655211	1877	458089.8	4656464	1927	457762.9	4655121
1828	459177.1	4655240	1878	458079.1	4656448	1928	457765.9	4655117
1829	459126.1	4655255	1879	458063.2	4656432	1929	457735.7	4655094
1830	459103.4	4655259	1880	458025.1	4656380	1930	457730	4655090
1831	458958.1	4655484	1881	458018.7	4656361	1931	457721.9	4655084
1832	458834.6	4655675	1882	458017.2	4656342	1932	457721.5	4655083
1833	458778.9	4655761	1883	458001.8	4656327	1933	457720.5	4655083

1834	458753.8	4655800	1884	457985.4	4656290	1934	457687.6	4655123
1835	458676.3	4655775	1885	457966.4	4656248	1935	457585.4	4655001
1836	458660.3	4655818	1886	457943.6	4656211	1936	457584.6	4655000
1837	458716.7	4655841	1887	457926.7	4656186	1937	457585.6	4655000
1838	458718.6	4655842	1888	457918.7	4656171	1938	457585.8	4654999
1839	458719.5	4655842	1889	457907.4	4656156	1939	457586.1	4654999
1840	458720.9	4655843	1890	457938.8	4656138	1940	457601.9	4654987
1841	458719.3	4655845	1891	457890.7	4656039	1941	457603.3	4654986
1842	458733.9	4655852	1892	457892.2	4656025	1942	457604.6	4654985
1843	458715.7	4655859	1893	457896.7	4655998	1943	457610.5	4654981
1844	458686.5	4655896	1894	457897.8	4655980	1944	457726	4654887
1845	458663	4655933	1895	457901.9	4655958	1945	457835.3	4654801
1846	458626.8	4655959	1896	457890.5	4655889	1946	457824.9	4654777
1847	458609.5	4655962	1897	457886.1	4655863	1947	457806.2	4654742
1848	458593.7	4655962	1898	457882.3	4655846	1948	457799.6	4654733
1849	458574.7	4655969	1899	457877	4655825	1949	457772.1	4654703
1850	458545	4655983	1900	457871.2	4655797	1950	457746.9	4654686
1951	457713	4654673						
1952	457676.6	4654661						
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1954	457605.8	4654635						
1955	457593.6	4654621						
1956	457583.8	4654600						
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1958	457552.8	4654531						
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1960	457393.8	4654643						
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1962	457337.1	4654683						
1963	457335.8	4654684						
1964	457303.9	4654706						
1965	457274.5	4654727						
1966	457274.3	4654727						
1967	457266.5	4654733						
1968	457148.7	4654575						
1969	457147.9	4654575						
1970	457148	4654574						
1971	457015.9	4654399						
1972	457086.8	4654346						
1973	457216.6	4654518						
1974	457235.5	4654503						
1975	457236.2	4654503						
1976	457246.9	4654493						
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1978	457272.6	4654473						
1979	457286.1	4654463						
1980	457288.4	4654461						
1981	457294.9	4654456						
1982	457300.8	4654451						
1983	457316.1	4654442						
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1986	457355.6	4654420						
1987	457356.5	4654419						
1988	457311.9	4654372						
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1991	457255.5	4654313
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