


Informe UAGPA N° 13
Fecha: 07-04- 2016

Análisis de presencia de Banco Natural

Pert	profundidad de análisis	especie indicada en informe	Especie o grupo a evaluar	m² um (1)	m² um (2)	m² um (3)	m² Promedio	frecuencia de ocurrencia UM Con Rec/UM totales	% area muestreable	IPBAN	IPBANMax	Evaluación
207121029	hasta 30 metros											No Existe banco natural

Observaciones: Considerando que el área posee una profundidad mayor a 30 metros, no se realizó buceo.



EDUARDO ANDERSON GERMAIN
Jefe Unidad Análisis y Gestión de Procesos de Acuicultura

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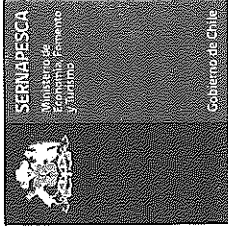
Análisis de presencia de Banco Natural

Pert	profundidad de análisis	especie indicada en informe	Especie o grupo a evaluar	m² um (1)	m² um (2)	m² um (3)	m² Promedio	frecuencia de ocurrencia UM Con Rec/UM totales	% area muestreable	IPBAN	IPBANMax	Evaluación
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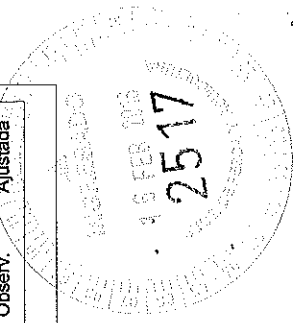
EDUARDO ANDERSON GERMAIN
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Formulario de resultados de la evaluación directa de recursos
hidrobiológico bentónicos

Presencia de Recursos ☐ Profundidad ☒ Accidente Geográfico ☐ Tipo de Fondo ☐

Solicitud N° 207121029		Solicitante RIVER FISH S.A.	
Región XII	Comuna Río Verde	Area o Localidad ISLA GRANDE. PUNTA ORIENTAL CANAL BERTRAND	
Fecha 25-Oct-15	Hora Inicio 14:58	Embarcación CB	Explorador Patagonia II
Hora Término 15:28		3399	
Carta	Shoa 11700	Area	19.50 Hás ✓
Coordenadas Geográficas Carta Shoa 11700 :			
Vértice	Latitud	Longitud	
A	52° 45' 39.26" S ✓	72° 21' 19.23" O ✓	
B	52° 45' 46.00" S ✓	72° 21' 07.71" O ✓	
C	52° 46' 01.13" S ✓	72° 21' 31.78" O ✓	
D	52° 45' 54.39" S ✓	72° 21' 43.29" O ✓	
Coordenadas Geográficas Datum WGS84 :			
Vértice	Latitud	Longitud	
A	52° 44' 25.50" S ✓	72° 21' 40.70" O ✓	
B	52° 44' 32.67" S ✓	72° 21' 29.93" O ✓	
C	52° 44' 46.82" S ✓	72° 21' 55.55" O ✓	
D	52° 44' 39.65" S ✓	72° 22' 06.31" O ✓	
Observaciones (Anotar situaciones u observaciones que expliquen o refuercen la inspección realizada)			
Superficie muestreable aprox. : _____ %			
Hora de la Medición 14:58	Ajuste de Marea (mt) -1.2	Prof. Máxima 224.2 Observ.	Prof. Mínima 33.3 Observ.
		Ajustada 223	Ajustada 32.1



Posición geográfica de los extremos de las unidades de Muestreo (boyerines)

	Latitud	Longitud	Latitud	Longitud
Transecta N°1				
Transecta N°2				
Transecta N°3				
Transecta N°4				
Transecta N°5				
Transecta N°6				

Nombre Inspector

Firma Inspector

Sergio Baez

Humberto Pantoja

Nombre Capitán/Buzo

Firma Capitán/Buzo

Patricio Saez Palma

[Signature]

H SOFTWARE NAME & VERSION

I GPSU 5.11

S DateFormat=dd/mm/yyyy

S Units=M

S SymbolSet=2

Huso	Easting	Northing	Profundidad(m)	Pert	Distancia del punto de inicio
18F	678123	4153331	156.7	207121029	
18F	678132	4153325	158.7	0	11
18F	678139	4153318	157.8	0	21
18F	678142	4153314	159.4	0	26
18F	678144	4153312	158.2	0	28
18F	678151	4153302	158.8	0	41
18F	678155	4153298	160.3	0	46
18F	678165	4153287	161.5	0	61
18F	678173	4153281	164.5	0	72
18F	678177	4153277	163.7	0	77
18F	678179	4153276	166.4	0	79
18F	678183	4153272	164.5	0	84
18F	678185	4153271	167.1	0	87
18F	678186	4153269	167.8	0	89
18F	678188	4153267	167.1	0	92
18F	678190	4153265	168.6	0	94
18F	678192	4153263	167.2	0	97
18F	678194	4153261	168	0	100
18F	678196	4153260	166.7	0	102
18F	678197	4153258	169.7	0	105
18F	678203	4153252	161.6	0	113
18F	678205	4153250	163.9	0	115
18F	678207	4153248	163.4	0	118
18F	678216	4153239	168	0	131
18F	678218	4153237	167.2	0	134
18F	678220	4153235	168.4	0	137
18F	678223	4153231	168.7	0	142
18F	678225	4153229	170	0	145
18F	678238	4153215	173.6	0	164
18F	678242	4153211	177.4	0	169
18F	678247	4153205	176.9	0	177
18F	678249	4153203	178.2	0	180
18F	678253	4153199	177.4	0	186
18F	678259	4153193	184.2	0	194
18F	678261	4153191	183.7	0	196
18F	678262	4153189	186.3	0	199
18F	678266	4153185	186.1	0	205
18F	678268	4153183	187.7	0	207
18F	678272	4153179	187.5	0	213
18F	678275	4153175	188.8	0	218
18F	678277	4153173	190.8	0	221
18F	678279	4153171	190.5	0	224
18F	678281	4153169	194.9	0	227

18F	678283	4153167	194.9	0	229
18F	678285	4153165	196.6	0	232
18F	678286	4153163	193.9	0	235
18F	678288	4153160	195.9	0	238
18F	678292	4153156	195.6	0	243
18F	678295	4153152	197.1	0	249
18F	678297	4153150	197	0	251
18F	678300	4153146	199.7	0	257
18F	678302	4153143	199.7	0	260
18F	678304	4153141	198	0	262
18F	678305	4153139	201.1	0	265
18F	678310	4153132	200.9	0	273
18F	678311	4153130	203.2	0	276
18F	678312	4153127	203.4	0	278
18F	678313	4153125	200.1	0	281
18F	678314	4153120	205.2	0	286
18F	678314	4153115	198.6	0	291
18F	678313	4153108	199	0	298
18F	678312	4153106	197.4	0	300
18F	678312	4153104	200.1	0	302
18F	678311	4153102	198	0	304
18F	678304	4153095	199.5	0	314
18F	678302	4153094	201.1	0	316
18F	678300	4153093	195.9	0	318
18F	678299	4153092	201.7	0	320
18F	678292	4153090	201.8	0	327
18F	678290	4153090	207.7	0	329
18F	678286	4153090	208.3	0	333
18F	678284	4153090	206.3	0	335
18F	678278	4153090	211	0	340
18F	678271	4153092	210	0	348
18F	678267	4153093	211.5	0	352
18F	678257	4153098	212.6	0	363
18F	678255	4153099	215.5	0	365
18F	678251	4153100	213.9	0	370
18F	678249	4153101	215.3	0	372
18F	678241	4153106	215.9	0	381
18F	678238	4153109	212.4	0	385
18F	678236	4153111	215.5	0	388
18F	678234	4153112	213.5	0	390
18F	678232	4153113	215.9	0	393
18F	678228	4153117	216.2	0	398
18F	678227	4153118	218.2	0	400
18F	678225	4153120	214.5	0	403
18F	678224	4153122	214.5	0	405
18F	678222	4153124	216.6	0	408
18F	678221	4153126	214.5	0	410
18F	678219	4153128	220.7	0	413
18F	678216	4153132	217.4	0	418
18F	678215	4153134	216.9	0	420

18F	678213	4153136	211	0	423
18F	678210	4153140	211.1	0	428
18F	678208	4153142	205.2	0	430
18F	678206	4153144	204.8	0	433
18F	678205	4153146	207.3	0	435
18F	678199	4153154	207.4	0	446
18F	678197	4153156	209.3	0	448
18F	678195	4153158	208.9	0	451
18F	678191	4153164	210.3	0	459
18F	678181	4153177	210.3	0	474
18F	678180	4153179	197	0	477
18F	678177	4153184	192.8	0	482
18F	678172	4153190	193.8	0	490
18F	678164	4153201	193.8	0	504
18F	678162	4153203	184.9	0	506
18F	678159	4153207	186	0	512
18F	678157	4153209	185.5	0	514
18F	678154	4153213	180.5	0	520
18F	678153	4153215	182.5	0	522
18F	678151	4153218	180.9	0	525
18F	678143	4153228	184.6	0	538
18F	678141	4153230	184.4	0	541
18F	678140	4153232	179.4	0	543
18F	678130	4153245	178.8	0	560
18F	678129	4153248	169.8	0	562
18F	678125	4153252	167.8	0	568
18F	678117	4153262	169	0	581
18F	678115	4153265	167.8	0	584
18F	678114	4153267	169.5	0	587
18F	678110	4153271	168.8	0	592
18F	678108	4153273	170.5	0	595
18F	678107	4153275	170.5	0	597
18F	678105	4153277	167.8	0	600
18F	678101	4153281	168.2	0	605
18F	678098	4153285	165.9	0	611
18F	678096	4153286	167.8	0	613
18F	678091	4153289	166.6	0	618
18F	678083	4153293	159.1	0	628
18F	678069	4153292	159	0	642
18F	678059	4153286	158.8	0	653
18F	678053	4153276	159.6	0	665
18F	678052	4153274	159.3	0	667
18F	678052	4153261	159.9	0	680
18F	678059	4153246	161.5	0	697
18F	678065	4153234	161.6	0	710
18F	678069	4153228	162.3	0	717
18F	678074	4153220	161.9	0	727
18F	678075	4153218	163.8	0	729
18F	678078	4153214	162.5	0	734
18F	678083	4153207	163.6	0	742

18F	678084	4153205	164	0	745
18F	678086	4153203	166.4	0	747
18F	678088	4153201	165.4	0	750
18F	678093	4153195	167.8	0	758
18F	678096	4153190	168.1	0	764
18F	678098	4153188	170.5	0	767
18F	678102	4153184	171.9	0	772
18F	678106	4153179	171	0	778
18F	678113	4153171	172.8	0	790
18F	678130	4153153	177.8	0	814
18F	678136	4153146	180.7	0	823
18F	678144	4153137	182.3	0	836
18F	678147	4153134	184.6	0	839
18F	678149	4153132	184.2	0	842
18F	678153	4153128	188.7	0	848
18F	678155	4153125	186	0	851
18F	678162	4153119	190.4	0	860
18F	678164	4153117	190.2	0	863
18F	678166	4153115	191.4	0	867
18F	678184	4153096	195.5	0	892
18F	678186	4153094	198	0	895
18F	678188	4153092	196.6	0	898
18F	678197	4153082	199.2	0	911
18F	678201	4153078	202.1	0	917
18F	678206	4153073	201.5	0	924
18F	678208	4153071	203.2	0	927
18F	678210	4153069	202.5	0	930
18F	678220	4153057	205.1	0	945
18F	678222	4153055	206.3	0	948
18F	678228	4153044	207.7	0	961
18F	678231	4153035	212.4	0	970
18F	678232	4153032	212.4	0	973
18F	678232	4153024	218.6	0	981
18F	678231	4153018	214.9	0	987
18F	678231	4153015	219.7	0	990
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18F	678198	4152992	222.7	0	1032
18F	678196	4152993	222.1	0	1035
18F	678193	4152993	218.6	0	1037
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18F	678182	4152997	220	0	1050

18F	678179	4152998	216.6	0	1052
18F	678177	4153000	220.7	0	1055
18F	678175	4153001	219.7	0	1058
18F	678170	4153004	219.7	0	1063
18F	678168	4153006	221.7	0	1066
18F	678165	4153007	217.6	0	1069
18F	678163	4153009	219.7	0	1072
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18F	678158	4153012	219	0	1078
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18F	678113	4153065	201.4	0	1147
18F	678111	4153068	197	0	1151
18F	678109	4153070	198	0	1154
18F	678107	4153073	195.9	0	1157
18F	678105	4153075	199	0	1160
18F	678103	4153078	199	0	1164
18F	678101	4153081	197	0	1167
18F	678097	4153086	201.1	0	1174
18F	678093	4153091	201.1	0	1180
18F	678091	4153093	195.9	0	1183
18F	678089	4153096	195.9	0	1187
18F	678086	4153099	198	0	1190
18F	678084	4153101	198	0	1193
18F	678082	4153104	188.7	0	1197
18F	678080	4153106	191.4	0	1200
18F	678078	4153109	188.7	0	1203
18F	678074	4153114	193.9	0	1210
18F	678072	4153117	189.1	0	1213
18F	678068	4153122	193.9	0	1220
18F	678066	4153125	191.8	0	1223
18F	678059	4153133	191.1	0	1234
18F	678057	4153135	184.6	0	1237
18F	678055	4153138	182.5	0	1240
18F	678053	4153141	183.2	0	1244
18F	678051	4153143	185.6	0	1247
18F	678049	4153146	185.6	0	1250
18F	678047	4153148	181.5	0	1254
18F	678042	4153153	184.6	0	1260
18F	678040	4153156	182.5	0	1264
18F	678038	4153159	184.6	0	1267
18F	678036	4153162	183.6	0	1271
18F	678022	4153180	183.6	0	1294

18F	678020	4153183	166.9	0	1297
18F	678015	4153188	166.9	0	1304
18F	678013	4153190	167.9	0	1307
18F	678011	4153193	166.1	0	1310
18F	678009	4153196	166.2	0	1314
18F	678003	4153203	160.7	0	1323
18F	678001	4153205	161.4	0	1327
18F	677998	4153208	159.1	0	1330
18F	677996	4153210	160	0	1333
18F	677989	4153215	160.7	0	1342
18F	677986	4153217	157	0	1346
18F	677983	4153219	158	0	1349
18F	677977	4153219	152.6	0	1355
18F	677974	4153219	156.1	0	1358
18F	677972	4153219	154.9	0	1360
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18F	677964	4153216	152.6	0	1369
18F	677959	4153213	145.3	0	1375
18F	677957	4153211	147.8	0	1377
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18F	677954	4153206	143.7	0	1383
18F	677953	4153204	144.2	0	1385
18F	677952	4153201	140.2	0	1388
18F	677950	4153197	140.2	0	1393
18F	677950	4153194	136.3	0	1396
18F	677950	4153191	140.9	0	1398
18F	677950	4153189	140.9	0	1401
18F	677950	4153187	134.1	0	1403
18F	677951	4153182	131.9	0	1408
18F	677956	4153170	134	0	1420
18F	677959	4153166	137.7	0	1426
18F	677960	4153163	137.3	0	1428
18F	677964	4153156	140.1	0	1437
18F	677972	4153143	142.9	0	1451
18F	677975	4153138	143	0	1457
18F	677976	4153136	143.8	0	1460
18F	677980	4153131	143.7	0	1467
18F	677982	4153128	145.2	0	1470
18F	677988	4153121	143.9	0	1479
18F	677993	4153113	144.5	0	1489
18F	677997	4153108	147.1	0	1495
18F	678001	4153103	145.3	0	1501
18F	678003	4153100	145.7	0	1505
18F	678024	4153075	153.5	0	1538
18F	678029	4153070	152.9	0	1545
18F	678038	4153060	153.9	0	1558
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18F	678066	4153030	160.7	0	1598
18F	678068	4153028	160.3	0	1602

18F	678096	4152998	165	0	1643
18F	678101	4152993	167.9	0	1650
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18F	678113	4152981	171.1	0	1667
18F	678122	4152971	175.5	0	1680
18F	678125	4152965	176.5	0	1687
18F	678130	4152953	181.4	0	1700
18F	678131	4152949	184	0	1704
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18F	678131	4152940	186.7	0	1713
18F	678131	4152937	186.2	0	1716
18F	678127	4152923	188.5	0	1731
18F	678125	4152920	190.1	0	1734
18F	678120	4152913	190.8	0	1742
18F	678112	4152906	194.9	0	1754
18F	678107	4152903	194.4	0	1759
18F	678104	4152902	195.9	0	1762
18F	678101	4152901	193.9	0	1765
18F	678090	4152899	196.2	0	1776
18F	678087	4152899	194.9	0	1779
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18F	678079	4152900	201.1	0	1788
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18F	678073	4152901	194.9	0	1793
18F	678071	4152902	197	0	1796
18F	678066	4152905	197.6	0	1801
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18F	678045	4152928	189.2	0	1833
18F	678043	4152930	189.8	0	1836
18F	678041	4152933	187.7	0	1839
18F	678039	4152935	191.8	0	1842
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18F	678034	4152942	184.6	0	1851
18F	678032	4152944	184.4	0	1854
18F	678030	4152947	187.7	0	1857
18F	678028	4152949	187	0	1860
18F	678026	4152951	181.5	0	1863
18F	678024	4152954	184.6	0	1866
18F	678022	4152956	180.5	0	1869
18F	678018	4152961	179.4	0	1876
18F	678016	4152964	184.2	0	1879
18F	678014	4152967	176.7	0	1882
18F	678012	4152969	178.1	0	1885
18F	678011	4152971	175.1	0	1888
18F	678009	4152974	182.2	0	1891
18F	678007	4152977	180.1	0	1894
18F	678005	4152979	180.7	0	1897

18F	678002	4152984	171.9	0	1904
18F	678000	4152987	176.2	0	1907
18F	677998	4152989	173.9	0	1910
18F	677993	4152998	177.4	0	1920
18F	677982	4153014	177.4	0	1939
18F	677980	4153017	163.2	0	1943
18F	677978	4153019	164.3	0	1946
18F	677976	4153022	162	0	1949
18F	677975	4153025	162.7	0	1953
18F	677971	4153031	162.9	0	1959
18F	677969	4153034	161.6	0	1963
18F	677967	4153037	162.9	0	1966
18F	677966	4153040	156.8	0	1970
18F	677962	4153045	156.9	0	1976
18F	677960	4153048	154.9	0	1980
18F	677958	4153051	157.3	0	1983
18F	677956	4153054	153.3	0	1987
18F	677954	4153057	153.1	0	1990
18F	677953	4153059	153.9	0	1993
18F	677947	4153067	152.8	0	2003
18F	677945	4153070	150.1	0	2006
18F	677943	4153072	149.9	0	2009
18F	677939	4153078	151.7	0	2016
18F	677937	4153080	150.6	0	2019
18F	677930	4153091	150.6	0	2032
18F	677928	4153094	149.4	0	2036
18F	677926	4153096	150.9	0	2039
18F	677922	4153102	142.3	0	2046
18F	677920	4153105	143.7	0	2049
18F	677918	4153107	143.7	0	2052
18F	677916	4153110	145.7	0	2056
18F	677914	4153112	139.1	0	2059
18F	677912	4153115	138.9	0	2062
18F	677910	4153117	136.8	0	2065
18F	677908	4153120	141.6	0	2069
18F	677905	4153122	142.2	0	2072
18F	677903	4153125	139.4	0	2075
18F	677895	4153131	140.9	0	2085
18F	677890	4153134	138.3	0	2092
18F	677887	4153136	140.2	0	2095
18F	677878	4153137	129.9	0	2104
18F	677875	4153137	124.2	0	2107
18F	677872	4153136	123.1	0	2110
18F	677869	4153136	123.8	0	2113
18F	677866	4153135	118.6	0	2115
18F	677864	4153134	121.2	0	2118
18F	677861	4153134	118.1	0	2121
18F	677859	4153132	121.8	0	2124
18F	677852	4153125	121.7	0	2134
18F	677850	4153122	96.1	0	2137

18F	677848	4153117	91.7	0	2142
18F	677847	4153112	91.2	0	2147
18F	677847	4153104	91.2	0	2155
18F	677849	4153097	93.1	0	2163
18F	677850	4153095	94.9	0	2165
18F	677858	4153081	94.9	0	2181
18F	677865	4153069	96.4	0	2195
18F	677881	4153046	103.3	0	2222
18F	677886	4153039	103.1	0	2232
18F	677896	4153026	105.8	0	2248
18F	677907	4153013	111.3	0	2264
18F	677913	4153006	120.1	0	2274
18F	677915	4153003	121.1	0	2278
18F	677922	4152995	128.9	0	2288
18F	677933	4152982	135.6	0	2305
18F	677946	4152967	141.4	0	2325
18F	677965	4152947	147.6	0	2352
18F	677970	4152942	150.6	0	2359
18F	677972	4152940	150	0	2363
18F	677979	4152932	150.4	0	2373
18F	677987	4152925	152.1	0	2383
18F	677990	4152923	154.7	0	2387
18F	677995	4152918	155	0	2394
18F	677997	4152916	156.9	0	2397
18F	678005	4152909	159.6	0	2408
18F	678012	4152901	165.7	0	2418
18F	678014	4152899	164.8	0	2421
18F	678021	4152891	168.1	0	2432
18F	678023	4152888	170.1	0	2435
18F	678025	4152885	169.9	0	2438
18F	678026	4152882	170.8	0	2442
18F	678028	4152879	173.2	0	2445
18F	678029	4152876	172.8	0	2448
18F	678031	4152870	173.9	0	2455
18F	678031	4152867	175.5	0	2458
18F	678031	4152855	176.9	0	2470
18F	678029	4152849	180.1	0	2476
18F	678026	4152844	179.4	0	2481
18F	678025	4152842	180.5	0	2484
18F	678021	4152838	178.7	0	2490
18F	678019	4152836	182.9	0	2493
18F	678012	4152832	181.8	0	2501
18F	678010	4152830	181.1	0	2503
18F	678005	4152829	181.3	0	2508
18F	678002	4152828	176.8	0	2511
18F	677997	4152828	178.5	0	2516
18F	677995	4152829	176.7	0	2518
18F	677992	4152829	177.2	0	2521
18F	677990	4152830	178.7	0	2523
18F	677988	4152830	176	0	2526

18F	677986	4152831	178.1	0	2528
18F	677983	4152832	178.4	0	2531
18F	677981	4152834	176.7	0	2533
18F	677979	4152835	179.4	0	2535
18F	677977	4152836	178.8	0	2538
18F	677973	4152840	173.9	0	2543
18F	677970	4152844	174.6	0	2548
18F	677967	4152848	174	0	2554
18F	677963	4152852	175.5	0	2559
18F	677961	4152854	172.6	0	2562
18F	677960	4152857	174.6	0	2565
18F	677956	4152861	169.7	0	2570
18F	677954	4152863	172.1	0	2573
18F	677952	4152866	170	0	2576
18F	677950	4152868	172.2	0	2579
18F	677949	4152870	168.4	0	2582
18F	677943	4152878	170.6	0	2592
18F	677941	4152880	172.6	0	2595
18F	677939	4152882	171.3	0	2598
18F	677935	4152887	172.8	0	2604
18F	677933	4152890	171.2	0	2607
18F	677931	4152893	173.9	0	2610
18F	677929	4152895	173.7	0	2614
18F	677927	4152898	168.7	0	2617
18F	677924	4152903	168.9	0	2623
18F	677922	4152905	165.7	0	2627
18F	677918	4152910	165.7	0	2633
18F	677914	4152916	156.9	0	2639
18F	677910	4152921	155.4	0	2646
18F	677908	4152923	156.8	0	2649
18F	677906	4152926	155.1	0	2653
18F	677904	4152929	155.6	0	2656
18F	677902	4152932	159.5	0	2659
18F	677898	4152937	157.3	0	2666
18F	677886	4152952	156.8	0	2685
18F	677884	4152955	147	0	2688
18F	677882	4152957	143.7	0	2692
18F	677878	4152963	147.4	0	2698
18F	677868	4152975	147.8	0	2715
18F	677866	4152978	135.8	0	2718
18F	677863	4152980	140.2	0	2721
18F	677861	4152983	136.8	0	2724
18F	677849	4152998	136.8	0	2744
18F	677847	4153000	116	0	2747
18F	677845	4153003	125.8	0	2751
18F	677843	4153006	117.1	0	2754
18F	677841	4153008	118.1	0	2757
18F	677838	4153011	122.2	0	2760
18F	677836	4153013	120.1	0	2764
18F	677834	4153016	121.3	0	2767

18F	677825	4153025	121.6	0	2780
18F	677823	4153028	77.5	0	2783
18F	677821	4153030	76.3	0	2787
18F	677819	4153033	79.4	0	2790
18F	677817	4153035	79.1	0	2793
18F	677814	4153037	81	0	2796
18F	677812	4153040	81.5	0	2800
18F	677810	4153042	84.2	0	2803
18F	677802	4153048	83.7	0	2813
18F	677799	4153050	81.1	0	2816
18F	677796	4153051	82.7	0	2819
18F	677790	4153053	74.6	0	2826
18F	677784	4153054	73.2	0	2832
18F	677781	4153053	69.9	0	2835
18F	677778	4153053	69.5	0	2838
18F	677773	4153052	62.9	0	2843
18F	677765	4153045	61.4	0	2853
18F	677761	4153041	62	0	2859
18F	677758	4153032	62.6	0	2869
18F	677758	4153019	62.2	0	2882
18F	677761	4153010	60.6	0	2892
18F	677762	4153007	57.7	0	2894
18F	677768	4152999	57.6	0	2905
18F	677772	4152995	56.7	0	2910
18F	677774	4152993	56.8	0	2913
18F	677775	4152991	60.6	0	2915
18F	677785	4152980	60.9	0	2930
18F	677787	4152978	40.7	0	2933
18F	677795	4152969	40.9	0	2945
18F	677810	4152952	45.3	0	2967
18F	677814	4152948	45.3	0	2973
18F	677817	4152945	35.8	0	2976
18F	677819	4152943	38.7	0	2980
18F	677826	4152936	42.2	0	2989
18F	677835	4152927	48.9	0	3003
18F	677845	4152918	52.4	0	3016
18F	677847	4152916	54.5	0	3019
18F	677850	4152914	63.8	0	3022
18F	677852	4152911	65	0	3026
18F	677864	4152900	65	0	3043
18F	677867	4152897	88.9	0	3046
18F	677876	4152888	90	0	3059
18F	677879	4152885	110.2	0	3063
18F	677895	4152868	115.1	0	3087
18F	677902	4152861	116	0	3097
18F	677916	4152846	119.9	0	3117
18F	677919	4152843	121.6	0	3121
18F	677921	4152841	121.6	0	3124
18F	677926	4152836	124	0	3131
18F	677932	4152828	130.1	0	3142

18F	677937	4152822	132.2	0	3148
18F	677940	4152816	140.2	0	3155
18F	677942	4152813	147	0	3159
18F	677945	4152807	147.8	0	3165
18F	677947	4152798	154.5	0	3175
18F	677947	4152791	160.2	0	3182
18F	677947	4152788	160.4	0	3185
18F	677945	4152779	162	0	3194
18F	677944	4152776	161.6	0	3197
18F	677942	4152771	166.4	0	3203
18F	677940	4152769	163.6	0	3206
18F	677938	4152767	163.5	0	3208
18F	677934	4152763	165.3	0	3214
18F	677929	4152760	163.9	0	3219
18F	677927	4152759	165.4	0	3222
18F	677924	4152758	164.3	0	3225
18F	677922	4152757	164.9	0	3227
18F	677919	4152757	167.1	0	3230
18F	677912	4152756	167.4	0	3238
18F	677909	4152757	169.8	0	3240
18F	677907	4152757	166.4	0	3243
18F	677899	4152760	168	0	3250
18F	677897	4152761	164.3	0	3253
18F	677893	4152764	162.9	0	3258
18F	677887	4152769	163.4	0	3266
18F	677883	4152772	160.9	0	3271
18F	677881	4152775	161.6	0	3274
18F	677879	4152777	158.7	0	3277
18F	677877	4152779	158.8	0	3280
18F	677875	4152781	153.3	0	3283
18F	677872	4152785	155.1	0	3288
18F	677860	4152799	154.7	0	3306
18F	677858	4152801	141.2	0	3309
18F	677856	4152803	145.9	0	3312
18F	677854	4152806	143	0	3315
18F	677852	4152808	144.2	0	3319
18F	677850	4152810	137.5	0	3322
18F	677848	4152813	143.7	0	3325
18F	677836	4152828	143.7	0	3344
18F	677834	4152830	92.4	0	3347
18F	677828	4152838	93.8	0	3357
18F	677817	4152850	93.8	0	3373
18F	677815	4152853	---	0	3377
18F	677811	4152858	---	0	3383
18F	677809	4152860	90.8	0	3386
18F	677806	4152863	90.1	0	3390
18F	677802	4152868	91.2	0	3396
18F	677800	4152870	92.8	0	3399
18F	677798	4152873	92.4	0	3403
18F	677796	4152875	95.9	0	3406

18F	677794	4152878		88.4	0	3409
18F	677792	4152880		89	0	3412
18F	677787	4152885		99.3	0	3419
18F	677783	4152890		97.2	0	3425
18F	677772	4152902		97	0	3442
18F	677770	4152905	---,-		0	3445
18F	677766	4152909	---,-		0	3451
18F	677764	4152912		41.6	0	3454
18F	677748	4152928		37.4	0	3477
18F	677746	4152930		34.6	0	3480
18F	677743	4152933		34.2	0	3484
18F	677739	4152937		33.7	0	3490
18F	677730	4152946		35.6	0	3502
18F	677721	4152955		33.9	0	3515
18F	677719	4152956		34.2	0	3518
18F	677714	4152959		35.4	0	3523
18F	677706	4152963		39.1	0	3532
18F	677701	4152964		43.1	0	3537
18F	677698	4152964		48.9	0	3540
18F	677696	4152964		49.9	0	3542
18F	677686	4152962		50.5	0	3552
18F	677677	4152955		49.7	0	3563
18F	677673	4152950		49.3	0	3570
18F	677669	4152936		48.3	0	3585
18F	677671	4152925		47.5	0	3596
18F	677674	4152918		46.7	0	3604
18F	677690	4152904		45.2	0	3625
18F	677706	4152895		45.1	0	3643
18F	677724	4152883		50.2	0	3664
18F	677738	4152875		52.5	0	3681
18F	677752	4152864		55.7	0	3699
18F	677756	4152860		59.1	0	3704
18F	677758	4152858		60	0	3707
18F	677760	4152857		59.9	0	3710
18F	677770	4152847		69.9	0	3723
18F	677788	4152829		77.4	0	3748
18F	677790	4152827		75.3	0	3751
18F	677793	4152823		74.5	0	3757
18F	677800	4152814		75	0	3768
18F	677806	4152807		76.6	0	3777
18F	677809	4152803		67.4	0	3782
18F	677811	4152801		77	0	3785
18F	677813	4152799		76.5	0	3788
18F	677816	4152794		77.5	0	3794
18F	677818	4152792		80.1	0	3796
18F	677823	4152785		80.1	0	3805
18F	677825	4152783		56.6	0	3808
18F	677833	4152774		56.8	0	3819
18F	677838	4152767		58.3	0	3828
18F	677845	4152759		61.7	0	3840

18F	677851	4152752	65.1	0	3848
18F	677854	4152744	67	0	3856
18F	677857	4152734	71	0	3867
18F	677857	4152727	78.4	0	3874
18F	677854	4152718	80.8	0	3883
18F	677851	4152712	83.4	0	3890
18F	677848	4152710	84.1	0	3894
18F	677845	4152707	87.1	0	3898
18F	677843	4152707	84.9	0	3900
18F	677839	4152705	88.5	0	3904
18F	677837	4152705	86.6	0	3906
18F	677835	4152705	89	0	3908
18F	677833	4152704	85.6	0	3910
18F	677831	4152704	91.5	0	3912
18F	677827	4152704	92.5	0	3916
18F	677825	4152705	94.2	0	3918
18F	677823	4152705	88.2	0	3920
18F	677821	4152706	86.6	0	3922
18F	677820	4152707	88.7	0	3924
18F	677818	4152708	87.4	0	3926
18F	677817	4152709	89.4	0	3927
18F	677815	4152710	88.7	0	3929
18F	677812	4152712	79.6	0	3933
18F	677810	4152715	89.4	0	3937
18F	677808	4152716	88.7	0	3938
18F	677806	4152719	91.8	0	3942
18F	677805	4152721	88.7	0	3944
18F	677804	4152723	93.2	0	3946
18F	677798	4152729	93.2	0	3954
18F	677797	4152730	69.4	0	3957
18F	677792	4152734	68.2	0	3963
18F	677790	4152736	65.3	0	3965
18F	677788	4152737	67.7	0	3967
18F	677787	4152739	63.3	0	3970
18F	677785	4152740	62.7	0	3972
18F	677781	4152743	62.6	0	3977
18F	677768	4152754	64.1	0	3994
18F	677759	4152763	67.6	0	4006
18F	677754	4152768	68.4	0	4014
18F	677722	4152806	67.9	0	4063
18F	677711	4152821	66.3	0	4082
18F	677704	4152829	64.5	0	4092
18F	677702	4152831	62.2	0	4095
18F	677699	4152836	61.1	0	4101
18F	677690	4152846	48.1	0	4114
18F	677682	4152857	47.9	0	4128
18F	677680	4152859	38.6	0	4131
18F	677677	4152864	37	0	4136
18F	677675	4152866	32.9	0	4139
18F	677673	4152868	33.2	0	4142

18F		677654	4152892	33.3	0	4172
18F		677647	4152900	41.1	0	4183
18F		677645	4152902	42.1	0	4186
18F		677634	4152914	43.8	0	4202
18F		677627	4152922	44	0	4213