

**Summary table of listed threatened terrestrial ecosystems (Draft 2009). Extract from the document
Threatened Ecosystems in South Africa: General Information available on BGIS
(www.bgis.sanbi.org)**

No.	Ecosystem	Biome	Province	Criterion
Critically Endangered (CR)				
1	Atlantis Sand Fynbos (FFd 4)	Fynbos	Western Cape	D1
2	Blesbokspruit Highveld Grassland (GP 1)	Grassland/Savanna/ Wetland	Gauteng	F
3	Blinkwater Valley (KZN 1)	Grassland/Savanna	KwaZulu-Natal	F
4	Boesmanspruit Highveld Grassland (GP 2)	Grassland/Wetland	Gauteng	F
5	Bronberg Mountain Bushveld (GP 3)	Grassland/Savanna	Gauteng	F
6	Cape Flats Sand Fynbos (FFd 5)	Fynbos	Western Cape	A1 & D1
7	Cape Lowland Alluvial Vegetation (AZa 2)	Azonal	Western Cape	A1
8	Central Rûens Shale Renosterveld (FRs 12)	Fynbos	Western Cape	A1
9	Durban Metropole North Coast Grassland (KZN 2)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
10	Eastern Rûens Shale Renosterveld (FRs 13)	Fynbos	Western Cape	A1
11	Elgin Shale Fynbos (FFh 6)	Fynbos	Western Cape	A1
12	Elim Ferricrete Fynbos (FFf 1)	Fynbos	Western Cape	A1
13	Entumeni Valley (KZN 3)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
14	Eshowe Mtunzini Hilly Grasslands (KZN 4)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
15	Glen Austin Pan (GP 4)	Grassland	Gauteng	F
16	Highover Nature Reserve and Roselands Farm Surrounds (KZN 5)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
17	Interior North Coast Grasslands (KZN 6)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
18	Interior South Coast Grasslands (KZN 7)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
19	Kaapsehoop Quartzite Grasslands (MP 1)	Grassland/Forest	Mpumalanga	F
20	Klipriver Highveld Grassland (GP 5)	Grassland/Savanna/ Wetland	Gauteng	F
21	Knysna Sand Fynbos (FFd 10)	Fynbos	Western Cape	A1

No.	Ecosystem	Biome	Province	Criterion
22	Kogelberg Sandstone Fynbos (FFs 11)	Fynbos	Western Cape	D1
23	Kwambonambi Dune Forest (KZN 8)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
24	Kwambonambi Hygrophilous Grasslands (KZN 9)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
25	Langkloof Shale Renosterveld (FRs 17)	Fynbos	Western Cape Eastern Cape	A1
26	Lourensford Alluvium Fynbos (FFa 4)	Fynbos	Western Cape	A1
27	Magaliesberg Pretoria Mountain Bushveld (GP 6)	Grassland/Savanna	Gauteng	F
28	Margate Pondoland-Ugu Sourveld (KZN 10)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
29	Mlazi Gorge (KZN 11)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
30	Muscadel Riviere (AZi 8)	Azonal	Western Cape	A1
31	New Hanover Plateau (KZN 12)	Grassland/Savanna/Forest	KwaZulu-Natal	F
32	Ngoye Scarp Forests and Grasslands (KZN 13)	Indian Ocean Coastal Belt/Savanna/Forest	KwaZulu-Natal	F
33	North Coast Dune Forest (KZN 14)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
34	North Coast Forest Collective (KZN 15)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
35	Northern Coastal Grasslands (KZN 16)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
36	Oakland and Townhill Ridge (KZN 17)	Grassland/Savanna/Forest	KwaZulu-Natal	F
37	Overberg Sandstone Fynbos (FFs 12)	Fynbos	Western Cape	D1
38	Peninsula Granite Fynbos (FFg 3)	Fynbos	Western Cape	A1
39	Peninsula Shale Renosterveld (FRs 10)	Fynbos	Western Cape	A1
40	Rietvleiriver Highveld Grassland (GP 7)	Grassland/Wetlands	Gauteng	F
41	Roodepoort Reef Mountain Bushveld (GP 8)	Grassland/Savanna	Gauteng	F
42	Rûens Silcrete Renosterveld (FRc 2)	Fynbos	Western Cape	A1
43	Southern Coastal Grasslands (KZN 18)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
44	Swartland Alluvium Fynbos (FFa 3)	Fynbos	Western Cape	A1
45	Swartland Granite Renosterveld (FRg 2)	Fynbos	Western Cape	A1 & D1
46	Swartland Shale Renosterveld (FRs 9)	Fynbos	Western Cape	A1 & D1
47	Swartland Silcrete Renosterveld (FRc 1)	Fynbos	Western Cape	A1

No.	Ecosystem	Biome	Province	Criterion
48	Umvoti Valley Complex (KZN 19)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
49	Western Highveld Sandy Grassland (Gh 14)	Grassland	North West	A1
50	Western Rûens Shale Renosterveld (FRs 11)	Fynbos	Western Cape	A1
51	Wilge Mountain Bushveld (GP 9)	Grassland/Savanna	Gauteng	F
52	Witwatersberg Pretoria Mountain Bushveld (GP 10)	Grassland/Savanna	Gauteng	F
53	Woodbush Granite Grassland (Gm 25)	Grassland	Limpopo	A1
Endangered (EN)				
54	Agulhas Sand Fynbos (FFd 7)	Fynbos	Western Cape	A1
55	Albany Alluvial Vegetation (AZa 6)	Azonal	Eastern Cape	A1
56	Bazini Forest Complex (KZN 20)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
57	Bivane Montane Grassland (KZN 21)	Grassland	KwaZulu-Natal	F
58	Blouberg Forest (FOR 1)	Forest	Limpopo	F
59	Blyde Quartzite Grasslands (MP 2)	Grassland/Forest	Mpumalanga	F
60	Brakfontein Reef Bushveld (GP 11)	Grassland/Savanna	Gauteng	F
61	Breede Alluvium Fynbos (FFa 2)	Fynbos	Western Cape	A1
62	Bronkhorstspruit Highveld Grassland (GP 12)	Savanna/Grassland/ Wetland	Gauteng	F
63	Cape Flats Dune Strandveld (FS 6)	Fynbos	Western Cape	D1
64	Cape Vernal Pools (AZf 2)	Azonal	Western Cape Northern Cape	A1
65	Chrissiesmeer Panveld (MP 3)	Grassland/Wetland	Mpumalanga	F
66	Cumberland Crest (KZN 22)	Savanna	KwaZulu-Natal	F
67	Deneysville Highveld Grassland (GP 13)	Grassland/Savanna	Gauteng	F
68	Dukuduku/St Lucia Grasslands and Forests (KZN 23)	Indian Ocean Coastal Belt/Forest	KwaZulu-Natal	F
69	Dullstroom Plateau Grasslands (MP 4)	Grassland/Forest	Mpumalanga	F
70	Egoli Granite Grassland (Gm 10)	Grassland	Gauteng	A1
71	Fort Metcalf Grasslands (KZN 24)	Grassland	KwaZulu-Natal	F
72	Garden Route Granite Fynbos (FFg 5)	Fynbos	Western Cape	A1
73	Gqunu Forest (KZN 25)	Grassland/Forest	KwaZulu-Natal	F
74	Greyton Shale Fynbos (FFh 7)	Fynbos	Western Cape	A1
75	Greytown North Grasslands (KZN 26)	Grassland	KwaZulu-Natal	F

No.	Ecosystem	Biome	Province	Criterion
76	Groot Brak Dune Strandveld (FS 9)	Fynbos	Western Cape	A1
77	Hangklip Sand Fynbos (FFd 6)	Fynbos	Western Cape	A1
78	Hlabeni State Forest (KZN 27)	Grassland/Forest	KwaZulu-Natal	F
79	Hlabisa Forest Complex (FOR 2)	Forest	KwaZulu-Natal	F
80	Humansdorp Shale Renosterveld (FRs 19)	Fynbos	Eastern Cape	A1
81	Impendle Highlands (KZN 28)	Grassland/Forest	KwaZulu-Natal	F
82	Karkloof Forest Collective (KZN 29)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
83	Kobonqaba Forest Complex (FOR 3)	Forest	Eastern Cape	F
84	Kouebokkeveld Alluvium Fynbos (FFa 1)	Fynbos	Western Cape	A1
85	Kraanspoort Mountain Bushveld (GP 14)	Grassland/Savanna	Gauteng	F
86	KwaZulu-Natal Coastal Forest (FOz VII1)	Forest	KwaZulu-Natal	A2
87	KwaZulu-Natal Sandstone Sourveld (SVs 5)	Savanna	KwaZulu-Natal	A1
88	Loskop Grasslands (KZN 30)	Grassland	KwaZulu-Natal	F
89	Lower Gariiep Alluvial Vegetation (AZa 3)	Azonal	Northern Cape	A1
90	Malmani Karstlands (MP 5)	Grassland/Savanna/ Forest	Mpumalanga Limpopo	F
91	Mananga-Lebombo Thornveld (MP 6)	Savanna/Forest	Mpumalanga	F
92	Mangrove Forest (FOa 3)	Forest	KwaZulu-Natal Eastern Cape	C
93	Mapungubwe/Greefswald Riverine Forest (FOR 4)	Forest	Limpopo	F
94	Mauchesburg Alpine Grasslands (MP 7)	Grassland/Forest	Mpumalanga	F
95	Mossel Bay Shale Renosterveld (FRs 14)	Fynbos	Western Cape	A1
96	Mount Thesiger Forest Complex (FOR 5)	Forest	Eastern Cape	F
97	Ngome Mistbelt Grassland and Forest (KZN 31)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
98	Noordkaap Greenstone Bushveld (MP 8)	Savanna	Mpumalanga	F
99	Ntimbankulu Forest (FOR 6)	Forest	KwaZulu-Natal	F
100	Ntunjambili Valley Complex (KZN 32)	Savanna/Grassland	KwaZulu-Natal	F
101	Oribi-Port Edward Pondoland-Ugu Sourveld (KZN 33)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
102	Peninsula Sandstone Fynbos (FFs 9)	Fynbos	Western Cape	D1
103	Pietermaritzburg South (KZN 34)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
104	Potberg Ferricrete Fynbos (FFf 2)	Fynbos	Western Cape	A1

No.	Ecosystem	Biome	Province	Criterion
105	Qudeni Mountain Mistbelt Forest and Grassland (KZN 35)	Grassland/Savanna/Forest	KwaZulu-Natal	F
106	Saldanha Granite Strandveld (FS 2)	Fynbos	Western Cape	A1
107	Sekhukhune Mountainlands (MP 9)	Grassland/Savanna	Mpumalanga Limpopo	F
108	Sekhukhune Norite Bushveld (LP 1)	Savanna	Limpopo	F
109	Sihleza (KZN 36)	Grassland/Forest	KwaZulu-Natal	F
110	Southern Weza State Forest (KZN 37)	Grassland/Forest	KwaZulu-Natal	F
111	Stoffberg Mountainlands (MP 10)	Grassland	Mpumalanga	F
112	Tsakane Clay Grassland (Gm 9)	Grassland	Gauteng Mpumalanga	A1
113	Umgeni Valley Bushveld (KZN 38)	Grassland/Savanna/Forest	KwaZulu-Natal	F
114	Vaal-Vet Sandy Grassland (Gh 10)	Grassland	North West Free State	A1
115	Wakkerstroom/Luneburg Grasslands (MP 11)	Grassland/Forest	Mpumalanga KwaZulu-Natal	F
116	Western Cape Milkwood Forest (FOz VI3)	Forest	Western Cape	C
117	Witwatersberg Skeerpoort Mountain Bushveld (GP 15)	Grassland/Savanna	Gauteng	F
Vulnerable (VU)				
118	Agulhas Limestone Fynbos (FFI 1)	Fynbos	Western Cape	D1
119	Albertinia Sand Fynbos (FFd 9)	Fynbos	Western Cape	A1
120	Algoa Sandstone Fynbos (FFs 29)	Fynbos	Eastern Cape	A1
121	Badplaas Mountainlands (MP 12)	Grassland/Savanna/Forest	Mpumalanga	F
122	Barberton Mountainlands (MP 13)	Grassland/Savanna/Forest	Mpumalanga	F
123	Beinn Mheadmon Mountain Grasslands (KZN 39)	Grassland	KwaZulu-Natal	F
124	Bivane Sour Grassveld and Bushveld (KZN 40)	Grassland/Savanna	KwaZulu-Natal	F
125	Black Rhino Range (KZN 41)	Indian Ocean Coastal Belt/ Savanna/Forest	KwaZulu-Natal	F
126	Bloemfontein Dry Grassland (Gh 5)	Grassland	Free State	A1
127	Bokkeveld Sandstone Fynbos (FFs 1)	Fynbos	Western Cape Northern Cape	D1
128	Boland Granite Fynbos (FFg 2)	Fynbos	Western Cape	D1
129	Boschhoek Forests (KZN 42)	Grassland/Forest	KwaZulu-Natal	F

No.	Ecosystem	Biome	Province	Criterion
130	Boschhoek Plateau (KZN 43)	Grassland/Forest	KwaZulu-Natal	F
131	Breede Alluvium Renosterveld (FRa 1)	Fynbos	Western Cape	A1
132	Breede Sand Fynbos (FFd 8)	Fynbos	Western Cape	A1
133	Bushmans Nek/Garden Castle Lowlands (KZN 44)	Grassland	KwaZulu-Natal	F
134	Cape Winelands Shale Fynbos (FFh 5)	Fynbos	Western Cape	A1
135	Cederberg Sandstone Fynbos (FFs 4)	Fynbos	Western Cape	D1
136	Ceres Shale Renosterveld (FRs 4)	Fynbos	Western Cape	A1
137	Chelmsford Grasslands (KZN 45)	Grassland	KwaZulu-Natal	F
138	Chelmsford North Grasslands (KZN 46)	Grassland/Savanna	KwaZulu-Natal	F
139	Croc Gorge Granite Mountainlands (MP 14)	Savanna/Forest	Mpumalanga	F
140	Drakensberg Foothill Wattled Crane Habitat (KZN 47)	Grassland/Forest	KwaZulu-Natal	F
141	Easingwold Grasslands (KZN 48)	Grassland/Forest	KwaZulu-Natal	F
142	Eastern Coastal Shale Band Vegetation (FFb 6)	Fynbos	Western Cape Eastern Cape	A1
143	Eastern Creighton and Donnybrook (KZN 49)	Grassland/Savanna	KwaZulu-Natal	F
144	Eastern Free State Clay Grassland (Gm 3)	Grassland	Free State	A1
145	Eastern Highveld Grassland (Gm 12)	Grassland	Mpumalanga Gauteng	A1
146	Eastern Little Karoo (SKv 11)	Succulent Karoo	Western Cape	A1
147	Eastern Scarp Forest (FOz V1)	Forest	KwaZulu-Natal	A2
148	Eastern Temperate Freshwater Wetlands (Azf 3)	Azonal	Northern Cape Eastern Cape Free State North West Gauteng Mpumalanga KwaZulu-Natal	A1
149	Eastlands (KZN 50)	Grassland/Savanna	KwaZulu-Natal	F
150	Elandshoek Summit Grasslands (MP 15)	Grassland	Mpumalanga	F
151	Elandshoogte Mountainlands (MP 16)	Grassland/Savanna/ Forest	Mpumalanga	F
152	eMondlo Sandy Moist Grassland (KZN 51)	Grassland	KwaZulu-Natal	F
153	Fort Nottingham Lowland Grasslands (KZN 52)	Grassland/Forest	KwaZulu-Natal	F
154	Garden Route Shale Fynbos (FFb 9)	Fynbos	Western Cape Eastern Cape	A1
155	Glen Cairn Valley (KZN 53)	Grassland/Savanna	KwaZulu-Natal	F

No.	Ecosystem	Biome	Province	Criterion
156	Gold Cliff Farm Surrounds (KZN 54)	Grassland/Savanna	KwaZulu-Natal	F
157	Harding East (KZN 55)	Savanna	KwaZulu-Natal	F
158	Harding West (KZN 56)	Grassland	KwaZulu-Natal	F
159	Hawequas Sandstone Fynbos (FFs 10)	Fynbos	Western Cape	D1
160	Himeville Lowlands and Ridge (KZN 57)	Grassland	KwaZulu-Natal	F
161	Hluhluwe Scarp Forest (KZN 58)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
162	Hopefield Sand Fynbos (FFd 3)	Fynbos	Western Cape	A1 & D1
163	Imfolosi Savanna and Sourveld ((KZN 59)	Grassland/Savanna	KwaZulu-Natal	F
164	Impendle Lowland Grasslands (KZN 60)	Grassland/Forest	KwaZulu-Natal	F
165	Ixopo Surrounds (KZN 61)	Grassland/Savanna	KwaZulu-Natal	F
166	Kaalrug Mountainlands (MP 17)	Grassland/Savanna/ Forest	Mpumalanga	F
167	Kango Limestone Renosterveld (FRI 1)	Fynbos	Western Cape	A1
168	KaNgwane Montane Grassland (Gm 16)	Grassland	Mpumalanga KwaZulu-Natal	A1
169	Kouebokkeveld Shale Fynbos (FFh 1)	Fynbos	Western Cape	A1
170	Kromberg Plateau (KZN 62)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
171	KwaMncane North Plateau (KZN 63)	Grassland/Forest	KwaZulu-Natal	F
172	KwaZulu-Natal Coastal Belt (CB 3)	Indian Ocean Coastal Belt	KwaZulu-Natal	A1
173	Lebombo Scarp Forest (KZN 64)	Grassland/Savanna/ Forest	KwaZulu-Natal	F
174	Lebombo Summit Sourveld (SVI 17)	Savanna	Mpumalanga KwaZulu-Natal	A1
175	Legogote Sour Bushveld (SVI 9)	Savanna	Limpopo Mpumalanga	A1
176	Leipoldtville Sand Fynbos (FFd 2)	Fynbos	Western Cape	A1 & D1
177	Loskop Mountainlands (MP 18)	Grassland/Savanna	Mpumalanga	F
178	Louwsberg Mistbelt Grassland (KZN 65)	Grassland/Forest	KwaZulu-Natal	F
179	Low Escarpment Mistbelt Forest (FOz II4)	Forest	Mpumalanga KwaZulu-Natal	A2
180	Lowveld Riverine Forest (FOa 1)	Forest	Mpumalanga KwaZulu-Natal Limpopo	A2
181	Mafikeng Bushveld (SVk 1)	Savanna	North West	A1
182	Magaliesberg Hekpoort Mountain Bushveld (GP 16)	Grassland/Savanna/ Forest	Gauteng	F

No.	Ecosystem	Biome	Province	Criterion
183	Majuba Mistbelt Forest and Moist Grassland (KZN 66)	Grassland/Forest	KwaZulu-Natal	F
184	Maputaland Wooded Grassland (CB 2)	Indian Ocean Coastal Belt	KwaZulu-Natal	A1
185	Marikana Thornveld (SVcb 6)	Savanna	North West Gauteng	A1
186	Marwaqa (KZN 67)	Grassland/Forest	KwaZulu-Natal	F
187	Michaelhouse Grasslands (KZN 68)	Grassland/Forest	KwaZulu-Natal	F
188	Midlands Mistbelt Grassland (Gs 9)	Grassland	KwaZulu-Natal Eastern Cape	A1
189	Midmar Valley (KZN 69)	Grassland	KwaZulu-Natal	F
190	Montagu Shale Renosterveld (FRs 7)	Fynbos	Western Cape	A1
191	Mount Gilboa Plateau (KZN 70)	Grassland/Forest	KwaZulu-Natal	F
192	Mount MacDonald Ridge and Wetlands (KZN 71)	Grassland	KwaZulu-Natal	F
193	Mthatha Moist Grassland (Gs 14)	Grassland	Eastern Cape	A1
194	Namib Seashore Vegetation (AZd 1)	Azonal	Northern Cape	A1
195	New Amalfi Wetlands (KZN 72)	Grassland	KwaZulu-Natal	F
196	Ngongoni Veld (SVs 4)	Savanna	KwaZulu-Natal Eastern Cape	A1
197	Nieuwoudtville Shale Renosterveld (FRs 2)	Fynbos	Northern Cape	A1
198	Nkandla Forests and Grasslands (KZN 73)	Grassland/Forest	KwaZulu-Natal	F
199	Nkunzi/Sundays River Grasslands (KZN 74)	Grassland/Forest	KwaZulu-Natal	F
200	Northern Escarpment Dolomite Grassland (Gm 22)	Grassland	Mpumalanga	A1
201	Northern Qudeni Mistbelt Grasslands (KZN 75)	Grassland	KwaZulu-Natal	F
202	Ntsikeni Vlei (KZN 76)	Grassland/Forest	KwaZulu-Natal	F
203	Oakspring Valley (KZN 77)	Grassland	KwaZulu-Natal	F
204	Paulpietersburg Moist Grassland (Gm 15)	Grassland	Mpumalanga KwaZulu-Natal	A1
205	Piketberg Quartz Succulent Shrubland (SKk 8)	Succulent Karoo	Western Cape	A1
206	Piketberg Sandstone Fynbos (FFs 6)	Fynbos	Western Cape	D1
207	Pondoland Scarp Forest (FOz V2)	Forest	KwaZulu-Natal Eastern Cape	A2
208	Pudsey/Otterburn Wetlands (KZN 78)	Grassland	KwaZulu-Natal	F

No.	Ecosystem	Biome	Province	Criterion
209	Rand Highveld Grassland (Gm 11)	Grassland	Gauteng North West Free State Mpumalanga	A1
210	Saldanha Flats Strandveld (FS 3)	Fynbos	Western Cape	A1
211	Schweizer-Reneke Bushveld (SVk 3)	Savanna	North West	A1
212	Sherwood Forest Collective (KZN 79)	Grassland/Forest	KwaZulu-Natal	F
213	Soweto Highveld Grassland (Gm 8)	Grassland	Gauteng/Free State/North West/ Mpumalanga	A1
214	Springbokvlakte Thornveld (SVcb 15)	Savanna	Limpopo Gauteng Mpumalanga North West	A1
215	Swamp Forest (FOa 2)	Forest	KwaZulu-Natal Eastern Cape	A2 & C
216	Swartberg/Franklin Vlei/Kokstad Ridge and Wetlands (KZN 80)	Grassland/Forest	KwaZulu-Natal	F
217	Swartland Alluvium Renosterveld (FRa 2)	Fynbos	Western Cape	A1
218	Swellendam Silcrete Fynbos (FFc 1)	Fynbos	Western Cape	A1
219	Transkei Coastal Forest (FOz V3)	Forest	Eastern Cape	A2
220	Tzaneen Sour Bushveld (SVI 8)	Savanna	Limpopo Mpumalanga	A1
221	Umvoti Vlei and Surrounds (KZN 81)	Grassland/Indian Ocean Coastal Belt	KwaZulu-Natal	F
222	Uyskop Valley (KZN 82)	Grassland	KwaZulu-Natal	F
223	Vaalkop Headlands (KZN 83)	Grassland/Savanna	KwaZulu-Natal	F
224	Vredefort Dome Granite Grassland (Gh 11)	Grassland	Free State North West	A1
225	Warley Commons (KZN 84)	Grassland/Savanna	KwaZulu-Natal	F