FIGURE 1.

AUSTIN & CUMMING EXPLORATION CONSULTANTS

PALYNOMORPH DISTRIBUTION CHART

GULF MOBIL IKHIL I - 37

PREPARED BY G. NORRIS PH.D.
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Geological Survey
Commission Géologique
Ottawa

TERRESTRIAL PALYNOMORPHS

1	1	Stereisporites antiquasporites	102	Acanthotriletes varispinosus
2	2	Taxodiaceaepollenites hiatus	78	Aenigmapollis-1
3	12	Recycled Carboniferous-Devonian spores	89	Aequitriradites spinulosus
4	34	Laevigatosporites ovatus	93	Alisporites bilateralis
5	45	Schizosporis parvus	91	Alisporites grandis
6	183	Baculatisporites comaumensis	8	Alnipollenites-1
7	282	Caryapollenites paleocenicus	132	Appendicisporites jansonii
8	287	Alnipollenites-1	130	Appendicisporites matesovai
9	291	Tricolpites hians	75	Aquilapollenites attenuatus
10	320	Ulmus-1	71	Aquilapollenites cf. murus
11	323	Pterocarya levis	116	Araucariacites australis
12	324	Carpinus subtriangula	60	Azolla sp.
13	326	Pinus-1	6	Baculatisporites comaumensis
14	330	Pistillipollenites mcgregori	74	Betulaceoipollenites-1
15	370	Tiliapollenites-1	70	Biretisporites potoniei
16	372	Granatitricolpites-1	12	Carpinus subtriangula
17	377	Ericaceae-1	7	Caryapollenites paleocenicus
18	382	Tricolporopollenites-5	47	Castanea-1
19	386	Rhoipites-2	110	Cedripites cretaceous
20	388	Tricolporopollenites-7	103	Cerebropollenites mesozoicus
21	397	Tiliapollenites-3	90	Cicatricosisporites augustus
22	510	Recycled Cretaceous spores	112	Cicatricosisporites australis
23	528	Fusiformisporites-1	95	Cicatricosisporites hallei
24	538	Retitricolporopollenites-2	96	Cicatricosisporites cf. hughesi
25	378	Pluricellaespores-1	36	Cicatricosisporites intersectus
26	390	Salix-1	119	Cicatricosisporites cf. ludbrooki
27	392	Granatisporites cotalis	123	Cicatricosisporites cf. potomacensis
28	533	Pluricellaespores-2	94	Cingutriletes clavus
29	546	Punctodiporites-1	106	Circulina parva
30	394	Corylus granilabrata	99	Cirratriradites teter
31	541	Symplocoipollenites-1	100	Classapollis torosus
32	395	Corylus-1	124	Contignisporites cooksoni
33	545	Retitricolporopollenites-3	134	Converrucosisporites variverracatus
34	362	Epiphyllous fungi fruiting body	128	Cooksonites variabilis
35	327	Podocarpus maximus	126	Coronatispora valdensis
36	405	Cicatricosisporites intersectus	30	Corylus granilabrata
37	551	Striadiporites-2	32	Corylus-1
38	531	Momipites tenuipolis	41	Ctenosporites wolfei
39	529	Tiliapollenites-4	87	Cyathidites australis
40	400	Pesavis tagluensis	63	Cyathidites minor
41	555	Ctenosporites wolfei	85	Cycadopites scabratus
42	374	Granatisporites-1	111	Deltoidospora hallei
43	525	Typha-1	105	Deltoidospora juncta
44	7	Gleichenidites senonicus	113	Ephedripites multicostatus
45	26	Vitreisporites pallidus	34	Epiphyllous fungi fruiting body
46	384	Retitricolpites-1	17	Ericaceae-1
47	399	Castanea-1	117	Eucommiidites minor
48	219	Tricolpites fissilis	122	Eucommiidites troedssonii
49	239	Sequoipollenites paleocenicus	101	Exesipollenites tumulus
50	371	Tsuga-1	131	Foraminisporis asymmetricus
51	389	Nyssapollenites-1	121	Foraminisporis wonthaggiensis
52	396	Tiliapollenites-2	86	Foveosporites canalis
53	535	Sapotaceae-1	23	Fusiformisporites-1
54	19	Osmundacidites wellmanii	76	Fusiformisporites-2
55	534	Nyssapollenites-2	92	Ginkgocycadophytus nitidus
56	536	Retitricolporopollenites-1	44	Gleichenidites senonicus
57	543	periporate-2	27	Granatisporites cotalis
58	383	Laricoidites-1	42	Granatisporites-1
59	288	Stereisporites regius	16	Granatitricolpites-1
60	467	Azolla sp.	64	Granatitricolpites-3
61	524	Ilexpollenites-1	84	Hamulatisporis amplus
62	537	Polygoniaceae-1	81	Hazaria canadiana
63	22	Cyathidites minor	61	Ilexpollenites-1
64	526	Granatitricolpites-3	135	Klukisporites pseudoreticulatus
65	527	Liliacidites-1	4	Laevigatosporites ovatus
66	391	Striadiporites sanctaebarbarae	58	Laricoidites-1
67	401	Picea-1	73	Leptolepidites tenuis
68	557	Nyssapollenites-3	65	Liliacidites-1
69	558	Tetracellaespores-2	80	Lycopodiumsporites austroclavatidites
70	52	Biretisporites potoniei	88	Lycopodiumsporites marginatus
71	415	Aquilapollenites cf. murus	38	Momipites tenuipolis
72	559	Triprojectus echinatus	51	Nyssapollenites-1
73	560	Leptolepidites tenuis	55	Nyssapollenites-2
74	220	Betulaceoipollenites-1	68	Nyssapollenites-3
75	247	Aquilapollenites attenuatus	54	Osmundacidites wellmanii
76	548	Fusiformisporites-2	79	Pediastrum sp.
77	556	Pesavis-1	98	Perinipollenites elatoides
78	566	Aenigmapollis-1	57	periporate-2
79	332	Pediastrum sp.	40	Pesavis tagluensis
80	31	Lycopodiumsporites austroclavatidites	77	Pesavis-1
81	240	Hazaria canadiana	133	Phyllocladidites inchoatus
82	561	Retialetes-1	67	Picea-1
83	552	Stephanocolporites-1	129	Pilosisporites cf. notensis
84	562	Hamalatisporis amplus	115	Pilosisporites trichopapillosus
85	563	Cycadopites scabratus	13	Pinus-1
86	211	Foveosporites canalis	14	Pistillipollenites mcgregori
87	33	Cyathidites australis	25	Pluricellaespores-1
88	14	Lycopodiumsporites marginatus	28	Pluricellaespores-2
89	38	Aequitriradites spinulosus	104	Podocarpidites multisimus
90	29	Cicatricosisporites augustus	35	Podocarpus maximus
91	13	Alisporites grandis	62	Polygoniaceae-1
92	23	Ginkgocycadophytus nitidus	107	Porvisaccites radiatus
93	5	Alisporites bilateralis	11	Pterocarya levis
94	6	Cingutriletes clavus	29	Punctodiporites-1
95	4	Cicatricosisporites hallei	3	Recycled Carboniferous-Devonian spores
96	179	Cicatricosisporites cf. hughesi	22	Recycled Cretaceous spores
97	25	Recycled Permo-Triassic pollen	97	Recycled Permo-Triassic pollen
98	10	Perinopollenites elatoides	82	Retialetes-1
99	214	Cirratriradites teter	46	Retitricolpites-1
100	3	Classopollis torosus	56	Retitricolporopollenites-1
101	62	Exesipollenites tumulus	24	Retitricolporopollenites-2
102	187	Acanthotriletes varispinosus	33	Retitricolporopollenites-3
103	9	Cerebropollenites mesozoicus	19	Rhoipites-2
104	24	Podocarpidites multisimus	120	Rousespores reticulatus
105	56	Deltoidospora juncta	26	Salix-1
106	48	Circulina parva	53	Sapotaceae-1
107	46	Porvisaccites radiatus	5	Schizosporis parvus
108	26	Vitreisporites pallidus	49	Sequoiapollenites paleocenicus
109	156	Tricolpopollenites micromunus	83	Stephanocolporites-1
110	8	Cedripites cretaceous	1	Stereisporites antiquasporites
111	16	Deltoidospora hallei	59	Stereisporites regius
112	20	Cicatricosisporites australis	66	Striadiporites sanctaebarbarae
113	27	Ephedripites multicostatus	37	Striadiporites-2
114	463	Tigrisporites reticulatus	31	Symplocoipollenites-1
115	63	Pilosisporites trichopapillosus	2	Taxodiaceaepollenites hiatus
116	42	Araucariacites australis	69	Tetracellaespores-2
117	318	Eucommiidites minor	114	Tigrisporites reticulatus
118	201	Trilobosporites apiverrucatus	125	Tigrisporites scurrandus
119	227	Cicatricosisporites cf. ludbrooki	15	Tiliapollenites-1
120	60	Rousespores reticulatus	52	Tiliapollenites-2
121	39	Foraminisporis wonthaggiensis	21	Tiliapollenites-3
122	61	Eucommiidites troedssonii	39	Tiliapollenites-4
123	202	Cicatricosisporites cf. potomacensis	48	Tricolpites fissilis
124	77	Contignisporites cooksoni	9	Tricolpites hians
125	18	Tigrisporites scurrandus	109	Tricolpopollenites micromunus
126	50	Coronatispora valdensis	18	Tricolporopollenites-5
127	313	Trilobosporites purverulentus	20	Tricolporopollenites-7
128	565	Cooksonites variabilis	118	Trilobosporites apiverrucatus
129	564	Pilosisporites cf. notensis	127	Trilobosporites purverulentus
130	163	Appendicisporites matesovai	72	Triprojectus echinatus
131	89	Foraminisporis asymmetricus	136	Triquitrites sp. indet.
132	55	Appendicisporites jansonii	50	Tsuga-1
133	30	Phyllocladidites inchoatus	43	Typha-1
134	49	Converrucosisporites variverracatus	10	Ulmus-1
135	43	Klukisporites pseudoreticulatus	45	Vitreisporites pallidus
136	523	Triquitrites sp. indet.	108	Vitreisporites pallidus

MARINE

1	M37	Hystrichosphaera ramosa	12	Adnatosphaeridium cf. vittatum
2	M248	Recycled Cretaceous dinoflagellates	45	Apteodinium-1
3	M258	Operculodinium-1	20	Ascodinium verrucosum
4	M259	Wetzeliella (Apectodinium) homomorpha	16	Astrocysta cretacea
5	M260	Wetzeliella (Apectodinium) hypercantha	17	Baltisphaeridium whitei
6	M222	Ceratiopsis-1	49	Broomea jaegeri
7	M255	Wetzeliella homomorpha quinquelata	28	Canningia aspera
8	M265	Wetzeliella articulata	63	Canningia ringnesi
9	M261	Kiselevia tenuivirgula	37	Cantulodinium-1
10	M262	Hystrichokolpoma eisenacki	6	Ceratiopsis-1
11	M263	Cordosphaeridium exilimarum	26	Chlamydophorella nyei
12	M207	Adnatosphaeridium cf. vittatum	23	Cleistosphaeridium ancoriferum
13	M264	Wetzeliella sp. BE Brid.	57	Cleistosphaeridium polypes
14	M236	Diphyes colligerum	11	Cordosphaeridium exilimarum
15	M1	Oligosphaeridium complex	66	Cyclonephelium compactum
16	M2	Astrocysta cretacea	62	Cyclonephelium distinctum
17	M24	Baltisphaeridium whitei	36	Deflandrea perlucida
18	M54	Pareodinia ceratophora	54	Dictyopyxidea imperfecta
19	M135	Hystrichosphaeridium recurvatum	14	Diphyes colligerum
20	M151	Ascodinium verrocosum	40	Fromea amphora
21	M28	Oligosphaeridium anthophorum	27	Gardodinium eisenacki
22	M266	Micrhystridium sp. A. Brand Me	36	Gardodinium elongatum
23	M267	Cleistosphaeridium ancoriferum	47	Gonyaulacysta cf. orthoceras
24	M36	Odontochitina operculata	52	Gonyaulacysta helicoidea
25	M13	Micrhystridium stellatum	32	Hemicystodinium sp. CA Brid.
26	M16	Chlamydophorella nyei	10	Hystrichokolpoma eisenacki
27	M50	Gardodinium eisenacki	55	Hystrichosphaera-1
28	M275	Canningia aspera	65	Hystrichosphaera cingulata
29	M286	Pterospermopsis helios	1	Hystrichosphaera ramosa
30	M268	Lepdodinium modicum	35	Hystrichosphaeridium-1
31	M269	Oligosphaeridium-2	51	Hystrichosphaeridium cf. recurvatum
32	M272	Hemicystodinium sp. CA Brid.	68	Hystrichosphaeridium cooksoni
33	M205	Xenicodinium-2	19	Hystrichosphaeridium recurvatum
34	M270	Palaeostomocystis glabella	50	Hystrichosphaeridium stellatum
35	M274	Hystrichosphaeridium-1	67	Imbatodinium-1
36	M27	Gardodinium elongatum	9	Kiselevia tenuivirgula
37	M43	Cantulodinium-1	61	Leiofusa jurassica
38	M4	Odontochitina striatoperforata	30	Lepdodinium modicum
39	M271	Wollodinium kratzschi	66	Micrhystridium cf. inconspicuum
40	M55	Fromea amphora	22	Micrhystridium sp. A Brand Me
41	M209	Pseudoceratium cf. nudum	25	Micrhystridium stellatum
42	M287	Oligosphaeridium totum	58	Microdinium opacum
43	M273	Pterodinium verrucosum	24	Odontochitina operculata
44	M42	Pterospermopsis australiensis	38	Odontochitina striatoperforata
45	M288	Apteodinium-1	31	Oligosphaeridium-2
46	M20	Tanyosphaeridium sp.	21	Oligosphaeridium anthophorum
47	M238	Gonyaulacysta cf. orthoceras	15	Oligosphaeridium complex
48	M154	Pseudoceratium expolitum	53	Oligosphaeridium irregulare
49	M35	Broomea jaegeri	42	Oligosphaeridium totum
50	M94	Hystrichosphaeridium stellatum	3	Operculodinium-1
51	M155	Hystrichosphaeridium cf. recurvatum	34	Palaeostomocystis glabella
52	M276	Gonyaulacysta helicoidea	18	Pareodinia ceratophora
53	M277	Oligosphaeridium irregulare	64	Pseudoceratium-1
54	M278	Dictyopyxidea imperfecta	41	Pseudoceratium cf. nudum
55	M284	Hystrichosphaera-1	48	Pseudoceratium expolitum
56	M279	Deflandrea perlucida	43	Pterodinium verrucosum
57	M23	Cleistosphaeridium polypes	44	Pterospermopsis australiensis
58	M156	Microdinium opacum	29	Pterospermopsis helios
59	M280	Rhombodella-1	2	Recycled Cretaceous dinoflagellates
60	M74	Micrhystridium cf. inconspicuum	59	Rhombodella-1
61	M15	Leiofusa jurassica	46	Tanyosphaeridium sp.
62	M18	Cyclonephelium distinctum	69	Veryhachium reductum
63	M281	Canningia ringnesi	4	Wetzeliella (Apectodinium) homomorpha
64	M282	Pseudoceratium-1	5	Wetzeliella (Apectodinium) hypercantha
65	M29	Hystrichosphaera cingulata	8	Wetzeliella articulata
66	M283	Cyclonephelium compactum	7	Wetzeliella homomorpha quinquelata
67	M285	Imbatodinium-1	13	Wetzeliella sp. BE Brid.
68	M7	Hystrichosphaeridium cooksoni	39	Wollodinium kratzschi
69	M47	Veryhachium reductum	33	Xenicodinium-2

MATURATION INDEX

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