GEOLOGICAL SURVEY OF CANADA
DEPARTMENT OF ENERGY, MINES AND RESOURCES

LEGEND
Siltstone
Silty shale
Shale
Sandstone
Calcareous sandstone
Limestone
Calcareous siltstone
Sidewall core
Core
Casing shoe
Rare (1-5 specimens)
Common (6-20 specimens)
Abundant (>20 specimens)
GENERAL LITHOLOGY
(BASED ON CUTTING SAMPLES)
SYSTEM
STAGE
FORMATION EQUIVALENT
TENTATIVE ENVIRONMENT OF DEPOSITION
SUPRA LITT.
LITTORAL
INNER SUBLITT.
OUTER SUBLITT.
BATHYAL
ASSEMBLAGE ZONES
PALYNOMORPHS
FORAMINIFERA
DEPTH IN FEET
TRIASSIC
RHAETIAN
NORIAN
KARNIAN
LADINIAN - L.KARNIAN
INDETERMINATE (?LADINIAN - L.KARNIAN)
? SPATHIAN-ANISIAN
SPATHIAN-L. ANISIAN
SMITHIAN (?DIENERIAN)-SPATHIAN
HEIBERG / BORDEN I.
HEIBERG
SCHEI POINT
BJORNE
X
IX
VIII
VII
VI
V
III-IV
III
II
NODOSARIA SHUBLIKENSIS/MITIS ZONE
HUNGARELLA ZONE II
HUNGARELLA ZONE I
NODOSARIA LIRATELLA ZONE EQUIVALENT
PALYNOMORPHS
Aremisphites spinosus Müller
Baculatisporites comaumensis (Cookson) Potonié
Cerebropollenites mesozoicus (Couper) Nilsson
Classopollis simplex Reyre
Classopollis torosus (Reissinger) Balme
Cycadopites inconstans (Klaus) Playford and Dettmann
Cycadopites nuptus (Couper) Pocock
Lycopodiumsporites austroclavatidites (Cookson) Potonié
Ovalipollis breviformis Krutzsch
Ovalipollis similis Balme
Praeconiferites ? sp. cf. P. praecursor (Couper) Pocock
Protoconiferites antiquus (Reissinger) Nilsson
Chasmatosporites major Nilsson
Ginkgocycadophytus meorius Bolkhovitina, comb. nov.
Praeconiferites sp. cf. P. hyalinus (Couper) Pocock
Chasmatosporites apertus (Rogalska) Nilsson
Chasmatosporites hians Nilsson
Cerebropollenites thiergartii (Schulz)
Dictyophyllidites crateris (Balme) Pocock
Deltoidospora spp.
Deltoidospora hallii (Couper) Pocock
Deltoidospora harrisii (Couper) Pocock
Corrugatisporites amplectiformis (Kara-Murza) Pocock
Cycadofilicites spp.
aff. Cyathidites minor
Obtusisporis sp.
Ricciisporites tuberculatus Lundblad
Trilites tuberculiformis Cookson
Perinopollenites elatoides Couper
Semimelaporis lunzbladi Nilsson, comb. nov.
Staurosaccites quadrifidus Dunay and Heckel
Eucommiidites troedssonii Erdtman
Alisporites spp.
Anapiculatisporites spiniger (Leschik) Reinhardt
Annulisporis folliculosa (Rogalska) De Jersey
Cingulizonates rhaeticus (Reinhardt) Schulz
Cuneatisporites radiatus Leschik
Lunatisporites spp.
Camerozonosporites laevigatus Schulz
Kyrtomisporis sp.
Psilatriletes ancorae (Reinhardt) Schulz
Alisporites aequalis Müller
Stereisporites perforatus Leschik
Striatiascus novaulmiensis (Leschik) Reinhardt and Schön
Verrucosisporites morulae Klaus
Zebrasporites interscriptus (Thiergart) Klaus
Aratrisporites ? cf. A. laevigatus (Couper)
Aratrisporites cristatus Schulz
Platysaccus sp. Fisher
Sulcatisporites spp.
Alisporites sp. 1 Fisher
Pityosporites meomundanus Leschik
Pityosporites microsaccatus (Playford and Dettmann
Pityosporites ? cf. P. microsaccatus (Playford and Dettmann
Pseudolimbias sp. NO 1
Stereisporites antiquasporites (Wilson and Webster) Dettmann
Aratrisporites spp.
Lunatisporites sp. NO 3
Striatabilites multistriatus (Balme and Hennelly) Hart
Striatosporites ? cf. S. pennatulus Müller
Anapiculatisporites telephorus (Pautsch) Jansonius
Camerosporites verrucatus Müller
aff. Perinopollenites thuringiacus Schulz
Semimelaporis cf. S. jaemeiki (De Jersey) De Jersey
Stereisporites cf. S. saxemile Schulz
Stereisporites ? cf. S. antiquasporites (Wilson) Schulz
Stereisporites grekovaensis (Maljavkina) Schulz
Aratrisporites cf. A. wollaretensis Helby
Granulatisporites subgranulosus (Couper) Fisher
Pityacricrilina quadruplicis Scheuring
Protoplicatypsis schizeatics (Müller) Scheuring
Duplexisporites spp.
Duplexisporites problematicus (Couper) Playford and Dettmann
Kyrtomisporis laevigatus Müller
Lunatisporites acutus Leschik
Sulcatisporites cf. S. kraeuseli Müller
Podosporites amicus Scheuring
Protoplicatypsis ? cf. P. ? Scheuring
Schizosporis ? cf. S. reticulatus Müller
aff. Vallasporites gracilis Leschik
Protoplicatypsis sitteri (Klaus) Scheuring
Sahnisporites sp. K 2
spore type LAK 7
Perotriletes mesozoicus Schulz
Aratrisporites ? cf. A. ? cf. A. ? cf. A.