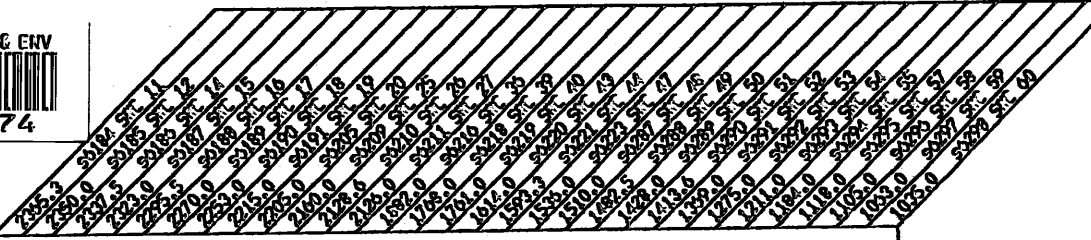


### Spore/Pollen Distribution Chart

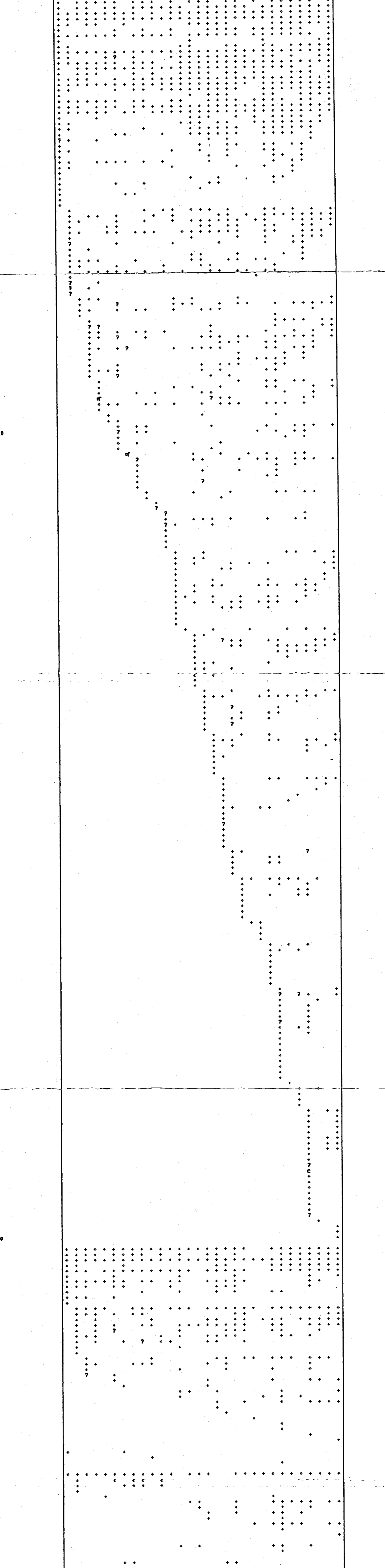
Santos Gordon #1  
Oldest occurrence species list



(Sample)  
(Depth in m.)



- Dicellaesporites equalis* 1243
- Dicellaesporites castrei* 2576
- Dicellaesporites ciner* 2577
- Dicellaesporites* 1625
- Dicellaesporites complex* 665
- Dicellaesporites pseudocylindricus* 1167
- Dicellaesporites* 1625
- Dicellaesporites ciner* 669
- Dicellaesporites* 686
- LAND PLANT SPORES Gen et Spp indet 4745
- Leptolepidites* 636
- Leptolepidites verrucosus* var. "retectus" 661
- Retriolites* sp indet 1649
- Retriolites surinamensis* var. "cinia" 702
- Retriolites truncatus* 698
- Quadracoidites* sp. 1410
- Quadracoidites* 2034
- Retriolites "acuticatus"* sp. nov. 4645
- Retriolites acuticatus* 1653
- Retriolites reticulatus* 669
- Retriolites* sp. 1648
- Retriolites* 1657
- Retriolites "antimachus"* sp. nov. 4642
- Dicellaesporites pseudocylindricus* sp. nov. 4678
- Quadracoidites* 2567
- Retriolites "rossicus"* sp. nov. 1040
- Dicellaesporites longi* var. "parallelus" 645
- Dicellaesporites* 659
- Leptolepidites "retectus"* sp. nov. 4659
- Leptolepidites* 1401
- Leptolepidites parvifolius* 626
- Dicellaesporites* 3659
- Retriolites "stylus"* sp. nov. 955
- Quadracoidites prius* 2078
- Dicellaesporites globulifolius* 665
- Dicellaesporites* 1618
- Quadracoidites longi* sp. cf. C. var. "reticulatus" 666
- Quadracoidites punctatus* sp. nov. 4638
- Dicellaesporites "batesi"* sp. nov. 1359
- Dicellaesporites* 2540
- Retriolites circulosus* 930
- Stenolepidites* 956
- Stenolepidites* 1113
- Retriolites "nubis"* sp. nov. 907
- Leptolepidites* 1237
- Dicellaesporites* 1023
- Leptolepidites* 920
- Retriolites pseudocylindricus* 76
- Dicellaesporites* 653
- Retriolites elongatus* 640
- Retriolites* 1635
- Dicellaesporites* sp. cf. C. 633
- Retriolites* 663
- Stenolepidites* 643
- Dicellaesporites "argenti"* var. "nubes" sp. nov. 701
- Retriolites* 629
- Retriolites "argenti"* sp. nov. 695
- Retriolites* 637
- Dicellaesporites castrei* 661
- Dicellaesporites striatus* 930
- Dicellaesporites "argenti"* var. "argenti" sp. nov. 1643
- Retriolites "reticulatus"* sp. nov. 1343
- Dicellaesporites "robustus"* sp. nov. 1549
- Retriolites "umbra"* sp. nov. 4660
- Dicellaesporites* 210
- Retriolites "reticulatus"* sp. nov. 1030
- Retriolites* 631
- Retriolites "convolutus"* sp. nov. 1037
- Retriolites* 1025
- Retriolites "argenti"* var. "argenti" sp. nov. 700
- Retriolites* 1045
- Retriolites* 4635
- Retriolites* 654
- Retriolites "jacksonensis"* sp. nov. 1540
- Dicellaesporites "reticulatus"* sp. nov. 4661
- Dicellaesporites* 912
- Dicellaesporites "pseudocylindricus"* Gen. et sp. nov. 1410
- Dicellaesporites* 634
- Dicellaesporites* 2560
- Dicellaesporites* 1410
- Leptolepidites* 1344
- Dicellaesporites* 2172
- Leptolepidites* 655
- Retriolites "reticulatus"* sp. nov. 1022
- Dicellaesporites "reticulatus"* sp. nov. 1365
- Leptolepidites "argenti"* sp. nov. 4924
- Dicellaesporites circulosus* 1350
- Retriolites* 1037
- Dicellaesporites* 4941
- Dicellaesporites* 2567
- Dicellaesporites "pseudocylindricus"* sp. nov. 696
- Dicellaesporites "argenti"* sp. nov. 637
- Retriolites* 1330
- Dicellaesporites* 2566
- Dicellaesporites* 2560
- Retriolites* 1530
- Retriolites* 1029
- Leptolepidites "retectus"* sp. nov. 919
- Leptolepidites* 2566
- Retriolites* 95
- Retriolites "reticulatus"* var. "iniquus" 1195
- Retriolites* 2574
- Stenolepidites* 3571
- Dicellaesporites "argenti"* var. "argenti" sp. nov. 692
- Retriolites "reticulatus"* sp. nov. 910
- Retriolites* 667
- Retriolites "reticulatus"* sp. nov. 691
- Retriolites "reticulatus"* var. "reticulatus" sp. nov. 991
- Retriolites* 1656
- Retriolites "pseudocylindricus"* sp. nov. 1271
- Retriolites* 1355
- Dicellaesporites "argenti"* var. "argenti" sp. nov. 1372
- Retriolites* 1036
- Dicellaesporites "argenti"* sp. nov. 4666
- Retriolites* 1170
- Dicellaesporites* 4660
- Dicellaesporites* 125
- RETRIOLITES "RETICULATUS" sp. nov. 1077**
- Dicellaesporites* 1076
- Retriolites* 808
- Retriolites* 661
- Retriolites "argenti"* sp. nov. 610
- Retriolites* 2566
- Retriolites "reticulatus"* sp. nov. 1041
- Retriolites bellardi* 676
- Retriolites "reticulatus"* 1153
- Retriolites* 658
- Dicellaesporites "reticulatus"* sp. nov. 635
- Dicellaesporites* 1539
- Dicellaesporites "pseudocylindricus"* 1339
- Dicellaesporites* Gen. et sp. nov. 4925
- Retriolites* 921
- Retriolites "ciliatus"* sp. nov. 1253
- Dicellaesporites* sp. nov. 953
- Retriolites* 830
- Dicellaesporites "pseudocylindricus"* var. "reticulatus" 1333
- Dicellaesporites* 624
- Retriolites* 694
- Retriolites* 929
- Retriolites* 1534
- Retriolites "pseudocylindricus"* var. "argenti" 646
- Retriolites* 965
- Retriolites "reticulatus"* 1020
- Retriolites* 1445
- Retriolites* 1032
- Cingulites* sp. 395
- Dicellaesporites* sp. cf. C. 631
- Retriolites* 1621
- Leptolepidites "reticulatus"* sp. nov. 635
- Retriolites* 654
- Retriolites* 1014
- Retriolites* 630
- Retriolites "reticulatus"* sp. nov. 6674
- Retriolites* 1116
- Retriolites* 1016
- Retriolites* var. "reticulatus" 644
- Retriolites "reticulatus"* sp. nov. 671
- Retriolites* 613
- Retriolites "reticulatus"* sp. nov. 1572
- Retriolites* 1364
- Retriolites "reticulatus"* sp. nov. 4643
- Retriolites* 1573
- Retriolites* 1145
- Retriolites "pseudocylindricus"* sp. nov. 4607
- Retriolites* 3963
- Retriolites "reticulatus"* var. "reticulatus" 621
- Retriolites "reticulatus"* var. "reticulatus" 609
- Retriolites* 1165
- Retriolites* 1015
- Retriolites* 714
- Retriolites* 1044
- Retriolites* 616
- Retriolites* 1166
- Retriolites* 922
- Retriolites "reticulatus"* var. "reticulatus" 4662
- Retriolites* 925
- Retriolites "reticulatus"* var. "reticulatus" 670
- Retriolites* 664
- Retriolites "argenti"* sp. nov. 1870
- Retriolites* 692
- Retriolites "reticulatus"* Gen. et sp. nov. 1006
- Dicellaesporites "reticulatus"* var. "reticulatus" sp. nov. 911
- Cibicides* 996
- Retriolites* 666
- Retriolites* 636
- Retriolites* 4990
- Retriolites* 921
- Retriolites "reticulatus"* sp. nov. 1059
- Retriolites "reticulatus"* sp. nov. 965
- Retriolites* 1560
- Retriolites* 1795
- Retriolites* 1416
- Retriolites* 663
- Retriolites* 1404
- Retriolites "reticulatus"* sp. nov. 4676
- Retriolites* 64
- Retriolites* 662
- Retriolites* 4967
- Retriolites "reticulatus"* sp. nov. 4969
- Retriolites* 636
- Retriolites "reticulatus"* 636
- Retriolites "reticulatus"* sp. nov. 4634
- Retriolites "reticulatus"* 696
- Retriolites "reticulatus"* sp. nov. 660
- Retriolites "reticulatus"* sp. nov. 1213
- Retriolites* 1019
- Retriolites* 1599
- Retriolites* 972
- Retriolites "reticulatus"* sp. nov. 4644
- Retriolites "reticulatus"* sp. nov. 4961
- Retriolites* sp. nov. 1201
- Retriolites* 2563
- Retriolites* 699
- Retriolites* 967
- Retriolites* 3561
- Retriolites "reticulatus"* 679
- Retriolites "reticulatus"* var. "reticulatus" sp. nov. 1519
- Retriolites** 10
- Retriolites* 1226
- Retriolites* 2214
- Retriolites* 4597
- Retriolites* 4610
- Retriolites* 1650
- Retriolites* 4618
- Retriolites* 65
- Retriolites* 1227
- Retriolites* 2775
- Retriolites* sp. nov. 1215
- Retriolites* 1104
- Retriolites* sp. nov. 4601
- Retriolites* 1222
- Retriolites* 904
- Retriolites* 1229
- Retriolites* 1231
- Retriolites* 1226
- Retriolites* 676
- Retriolites* 1107
- Retriolites* 2616
- Retriolites* 2264
- Retriolites* 907
- Retriolites* 1224
- Retriolites* 1223
- Retriolites* 27
- Retriolites* 1225
- Retriolites* 2906
- Retriolites* 4612
- Retriolites* 92
- Retriolites* 75
- Retriolites* 2796
- Retriolites* sp. nov. 1075
- Retriolites* 5932
- Retriolites* sp. 4576
- Retriolites* 2923
- Retriolites** 1651
- Retriolites* 1529
- Retriolites "reticulatus"* sp. nov. 4640
- Retriolites "reticulatus"* sp. nov. 4667
- Retriolites* 4656
- Retriolites "reticulatus"* sp. nov. 1460
- Retriolites* 4920
- Retriolites* 1154
- Retriolites* 1170
- Retriolites* 1320
- Retriolites* 3167
- Retriolites* sp. nov. 1765
- Retriolites* 120
- Retriolites* 120
- Retriolites* 1544
- RECENT CALCAREOUS 4865
- LATE TRIASSIC CALCAREOUS 2205
- PERMIAN CALCAREOUS 2210



IPG CONSULTING

Palaeopolymers Pty Ltd