

TABLE 13.1. UNPUBLISHED PALYNOMORPH LISTS FROM CRETACEOUS USGS PALEOBOTANY LOCALITIES IN AND NEAR OJO ALAMO SANDSTONE				
TYPE AREA; PALEOBOTANY LOCALITIES SHOWN ON FIGURES 1, 3, and 4				
Locality D6902	Locality D6900	Locality D9157	Moncisco Mesa	Localities D8179, D8180 (composite)
Lowermost Fruitland Fm.	Uppermost Fruitland Fm.	Upper Kirtland Fm.	Uppermost Kirtland Fm.	Uppermost Kirtland Fm.
<i>Appendicisporites</i> sp.				<i>Aquilapollenites quadrilobus</i>
			<i>Aquilapollenites</i> 3 sp.	<i>Aquilapollenites</i> sp.
	<i>Arecipites</i> sp.		Bisaccate conifer	
<i>Camarozonosporites ambigens</i>	<i>Camarozonosporites ambigens</i>			
<i>Cicatricosisporites</i> sp.	<i>Cicatricosisporites</i> sp.			
	<i>Corollina torosa</i>	<i>Corollina</i> sp.		<i>Corollina</i> sp.
<i>Cupuliferoideaepollenites minutus</i>				
<i>Cupuliferoideaepollenites</i> spp.	<i>Cupuliferoideaepollenites</i> spp.			
<i>Cyathidites minor</i>	<i>Cyathidites</i> spp.			
		<i>Cycadopites</i> sp.		
<i>Echinatisporis varispinosus</i>	<i>Echinatisporis varispinosus</i>			
<i>Ephedripites</i> sp. D				<i>Erdtmanipollis cretaceus</i>
	<i>Eucommiidites minor</i>			
		<i>Ghoshispora</i> sp.		
	<i>Laevigatosporites</i> spp.	<i>Laevigatosporites</i> sp.	<i>Gunnera</i>	<i>Gunnera microreticulata</i>
			Larger fern tetrad	
<i>Liliacidites leei</i>		<i>Liliacidites leei</i>		
	<i>Liliacidites</i> sp.		<i>Liliacidites reticulata</i>	<i>Liliacidites</i> sp.
			<i>Loranthacites</i>	
	<i>Microreticulatisporites</i> sp.			
<i>Monocolopollenites?</i> sp.				? <i>Monosulcites perspinosus</i> of Anderson (1966)
<i>Nyssapollenites</i> sp.	<i>Nyssapollenites</i> spp.			
			<i>Pandaniidites</i>	
		<i>Pityosporites</i> spp.		<i>Pandaniidites typicus</i>
<i>Proteacidites retusus</i>	<i>Proteacidites retusus</i>	<i>Proteacidites retusus</i>		<i>Pityosporites</i> spp.
	<i>Proteacidites</i> spp.		<i>Proteacidites</i> spp. (many)	<i>Proteacidites</i> sp.
	<i>Pseudoplicapollis newmanii</i>	<i>Proteacidites thalmanii</i>		
<i>Pseudoplicapollis</i> sp.				
<i>Reticuloideosporites pseudomurii</i>	<i>Reticuloideosporites pseudomurii</i>			
	<i>Rhoipites</i> sp.			
<i>Stereisporites</i> spp.	<i>Stereisporites</i> spp.			
	<i>Taxodiaceaeepollenites hiatus</i>	<i>Taxodiaceaeepollenites hiatus</i>		
<i>Tricolpites</i> spp.	<i>Tricolpites</i> spp.			<i>Tricolpites</i> sp.
<i>Triporopollenites</i> spp.				
	<i>Triporopollenites tectus</i>			
		<i>Tsugaepollenites</i> sp.		
			<i>Ulmipollenites</i>	
<i>Ulmipollenites krempii</i>				<i>Ulmoideipites krempii</i>
				<i>Ulmoideipites tricostatus</i>
		unidentified trilete spores		

Note: Palynomorphs from USGS paleobotany localities D6902, D6900, and Moncisco Mesa identified by R. H. Tschudy (1976, 1983, written commun.); palynomorph identifications from other localities by D. J. Nichols (1995, 2000 written commun.); *Proteacidites* renamed *Tschudypollis* by Nichols (2002).

TABLE 13.2. UNPUBLISHED PALYNOMORPH LISTS FROM CRETACEOUS USGS PALEOBOTANY LOCALITIES IN AND NEAR THE OJO ALAMO SANDSTONE TYPE AREA (Cont.):					
PALEOBOTANY LOCALITIES SHOWN ON FIGURES 1, 3, 4, AND 51					
Locality D9156-A	Locality D9156-B	Locality 82303-E	Locality 82403-A	Locality 110303-D	Archival Split 24-5
Uppermost Kirtland Fm.	Uppermost Kirtland Fm.	Uppermost Kirtland Fm.	Uppermost Kirtland Fm.	Uppermost Kirtland Fm.	Uppermost Kirtland Fm.
<i>Arecipites microreticulatus</i>	<i>Arecipites microreticulatus</i>	<i>Arecipites columellus</i>	<i>Arecipites columellus</i>	<i>Arecipites microreticulatus</i>	<i>Arecipites microreticulatus</i>
<i>Arecipites reticulatus</i>		<i>Arecipites reticulatus</i>	<i>Arecipites reticulatus</i>	<i>Arecipites reticulatus</i>	
<i>Azolla circinata</i>	<i>Azolla circinata</i>	<i>Azolla circinata</i>			
	<i>Azolla cretacea</i> (relatively abundant)	<i>Azolla cretacea</i>	<i>Azolla cretacea</i>		<i>Azolla cretacea</i>
	<i>Azolla</i> microspores				
	<i>Cingulatisporites lancei</i>		<i>Cicatricosisporites</i> sp.		
		<i>Corollina torosa</i>	<i>Corollina torosa</i>		<i>Corollina torosa</i>
<i>Cyathidites</i> spp.	<i>Cyathidites</i> spp.	<i>Cyathidites</i> sp.			<i>Cyathidites</i> sp.
	<i>Dyadonapites reticulatus</i>	<i>Dyadonapites reticulatus</i>	<i>Dyadonapites reticulatus</i>		<i>Dyadonapites reticulatus</i>
		<i>Foraminisporis undulatus</i>	<i>Foraminisporis undulatus</i>		
<i>Ghoshispora</i> spp. (relatively abundant)		<i>Ghoshispora</i> sp.	<i>Ghoshispora</i> sp.	<i>Ghoshispora</i> sp.	<i>Ghoshispora</i> sp.
<i>Illexpollenites compactus</i>					
	<i>Inaperturopollenites</i> sp.			<i>Inaperturopollenites</i> sp.	
		<i>Inaperturotetradites scabratus</i>		<i>Inaperturotetradites scabratus</i>	
	<i>Laevigatosporites</i> spp.	<i>Laevigatosporites</i> sp.	<i>Laevigatosporites</i> sp.	<i>Laevigatosporites</i> sp.	<i>Laevigatosporites</i> sp.
	<i>Liliacidites leei</i>			<i>Liliacidites leei</i>	
		<i>Liliacidites</i> sp. cf. <i>L. complexus</i>	<i>Liliacidites</i> sp. cf. <i>L. complexus</i>		
<i>?Monosulcites perspinosus</i> of Anderson (1966)		<i>Momipites inaequalis</i>	<i>Momipites inaequalis</i>	<i>Momipites inaequalis</i>	<i>Momipites inaequalis</i>
		<i>Osmundacidites stanleyi</i>	<i>Osmundacidites stanleyi</i>		<i>Osmundacidites stanleyi</i>
		<i>Palaeoisoetes subengelmannii</i>	<i>Palaeoisoetes subengelmannii</i>		<i>Palaeoisoetes subengelmannii</i>
		<i>Pandaniidites typicus</i>	<i>Pandaniidites typicus</i>	<i>Pandaniidites typicus</i>	<i>Pandaniidites typicus</i>
<i>Pityosporites</i> spp. (relatively abundant)	<i>Pityosporites</i> spp. (common)	<i>Pityosporites typicus</i>	<i>Pityosporites</i> sp.	<i>Pityosporites</i> spp. (common)	<i>Pityosporites</i> sp.
<i>Proteacidites thalmanii</i>	<i>Proteacidites</i> sp. cf. <i>P. retusus</i>				
	<i>Proteacidites thalmanii</i>				
	<i>Retitriletes</i> sp. ("Lycopodiumsporites")				
		<i>Rhoipites</i> sp.	<i>Rhoipites</i> sp.		<i>Rhoipites</i> sp.
	<i>Taxodiaceapollenites hiatus</i>		<i>Taxodiaceapollenites hiatus</i>		<i>Taxodiaceapollenites hiatus</i>
<i>Tricolpites interangulus</i>	<i>Tricolpites interangulus</i>	<i>Tricolpites interangulus</i>	<i>Tricolpites interangulus</i>	<i>Tricolpites interangulus</i>	<i>Tricolpites interangulus</i>
<i>Tricolpites</i> sp.	<i>Tricolpites</i> sp.			<i>Tricolpites</i> sp.	<i>Tricolpites</i> sp.
		<i>Tschudypollis retusus</i>	<i>Tschudypollis retusus</i>	<i>Tschudypollis retusus</i>	<i>Tschudypollis retusus</i>
		<i>Tschudypollis thalmanii</i>	<i>Tschudypollis thalmanii</i>	<i>Tschudypollis thalmanii</i>	<i>Tschudypollis</i> sp.
		<i>Tschudypollis</i> sp.	<i>Tschudypollis</i> sp.	<i>Tschudypollis</i> sp.	<i>Tschudypollis</i> sp.
				<i>Tsugaepollenites</i> sp.	<i>Tsugaepollenites</i> sp.
<i>Ulmoideipites tricostatus</i>	<i>Ulmoideipites tricostatus</i>			<i>Ulmipollenites</i> sp.	<i>Ulmipollenites</i> sp.
	unidentified acritarchs				
unidentified dinoflagellate cysts					
unidentified pollen tetrad				unidentified pollen tetrad	unidentified pollen tetrad
unidentified trilete spores	unidentified trilete spores				
<i>Ulmipollenites</i>					

Note: Palynomorphs identified by D. J. Nichols (2000, 2003 written communis.)