

**APPENDIX 1**  
**List of miospore taxa determined**  
**from section 1 and 2 of the Szczawno and Wałbrzych formations**

*Acanthotriletes baculatus* Neves  
*Acanthotriletes castanea* Butterworth and Williams  
*Acanthotriletes echinatus* (Loose) Potonié and Kremp  
*Acanthotriletes falcatus* (Knox) Potonié and Kremp  
*Acanthotriletes triquetrus* Smith and Butterworth  
*Ahrensiporites beeleyensis* Neves  
*Ahrensiporites duplicatus* Neville  
*Ahrensiporites guerickei* (Horst) Potonié and Kremp  
*Anapiculatisporites concinnus* Playford  
*Anapiculatisporites hispidus* Butterworth and Williams  
*Anapiculatisporites spinosus* (Kosanke) Potonié and Kremp  
*Anaplanisporites athleticus* Neves and Ioannides  
*Anaplanisporites baccatus* (Hoffmeister, Staplin and Malloy) Smith and Butterworth  
*Anaplanisporites globulus* (Butterworth and Williams) Smith and Butterworth  
*Apiculatisporis aculeatus* (Ibrahim) Potonié and Kremp  
*Apiculatisporis irregularis* (Alpern) Smith and Butterworth  
*Apiculatisporites spinulistratus* (Loose) Ibrahim  
*Auroraspora asperella* (Kedo) Van der Zwan  
*Auroraspora macra* Sullivan  
*Bellisporites nitidus* (Horst) Sullivan  
*Calamospora breviradiata* Kosanke  
*Calamospora minuta* Bhardwaj  
*Calamospora mutabilis* (Loose) Schopf, Wilson and Bentall  
*Calamospora parva* Guenell  
*Calamospora pedata* Kosanke  
*Camptotriletes cristatus* Sullivan and Marshall  
*Camptozonotriletes cyrenaicus* Loboziak and Clayton  
*Cingulizonates bialatus* (Waltz) Butterworth and Williams  
*Cingulizonates cf. capistratus* (Hoffmeister, Staplin and Malloy) Staplin and Jansonius  
*Cirratriradites rarus* (Ibrahim) Schopf, Wilson and Bentall  
*Cirratriradites saturni* Schopf, Wilson and Bentall  
*Cirratriradites solaris* Hacquebard and Bars  
*Convolutispora cerina* Ravn  
*Convolutispora crassa* Playford  
*Convolutispora florida* (Hoffmeister, Staplin and Malloy) Smith and Butterworth  
*Convolutispora labiate* Playford  
*Convolutispora punctatimura* Staplin  
*Convolutispora tessellata* Hoffmeister, Staplin and Malloy  
*Convolutispora usitata* Playford  
*Convolutispora vermiformis* Hughes and Playford  
*Corbulispora* sp.  
*Corrugatisporites borealis* Ravn  
*Crassispora aculeata* Neville  
*Crassispora kosankei* (Potonié and Kremp) Smith and Butterworth  
*Crassispora maculosa* (Knox) Sullivan  
*Cribrosporites* sp.  
*Cristatisporites echinatus* Playford  
*Cyclogranisporites aureus* (Loose) Potonié and Kremp  
*Cyclogranisporites commodus* Playford  
*Cyclogranisporites minutus* Bharadwaj  
*Cyclogranisporites multigranus* Smith and Butterworth  
*Cyclogranisporites pressoides* Potonié and Kremp  
*Densosporites anulatus* (Loose) Smith and Butterworth Smith and Butterworth  
*Densosporites duplicatus* (Naumova) Potonié and Kremp  
*Densosporites intermedius* Butterworth and Williams  
*Densosporites pseudoannulatus* (Naumova) Potonié and Kremp  
*Densosporites regalis* (Bharadwaj et Venkatachala) Smith and Butterworth  
*Densosporites sphaerotriangularis* Kosanke  
*Densosporites spinifer* Hoffmeister, Staplin and Malloy  
*Densosporites triangularis* Kosanke  
*Densosporites variabilis* (Waltz) Potonié and Kremp  
*Diatomozonotriletes* sp.  
*Dictyotriletes vitilis* Sullivan and Marshall  
*Discernisporites micromanifestus* (Hacquebard) Sarby and Neves  
*Endosporites zonalis* (Loose) Knox  
*Foveosporites* sp.  
*Gorgonispora* sp.  
*Grandispora echinata* Playford

*Grandispora spinosa* Hoffmeister, Staplin and Malloy  
*Granulatisporites adnatooides* (Potonié and Kremp) Smith and Butterworth  
*Granulatisporites granulatus* Ibrahim  
*Granulatisporites microgranifer* Ibrahim  
*Granulatisporites minutus* Potonié and Kremp  
*Grumosporites rufus* (Butterworth and Williams) Smith and Butterworth  
*Hymenospora palliolata* Neves  
*Knoxisporites cinctus* (Waltz) Butterworth and Williams  
*Knoxisporites hederatus* (Ishchenko) Playford  
*Knoxisporites margarethae* Hughes and Playford  
*Knoxisporites stephanophorus* Love  
*Knoxisporites triangularis* Kosanke  
*Knoxisporites triradiatus* Hoffmeister, Staplin and Malloy  
*Kraeuselisporites echinatus* Owens, Mishell and Marshall  
*Kraeuselisporites ornatus* (Neves) Owens, Mishell and Marshall  
*Labiadensites* sp.  
*Laevigatosporites* sp.  
*Leiotriletes inermis* (Waltz) Ishchenko  
*Leiotriletes parvus* Guenell  
*Leiotriletes priddyi* (Berry) Potonié and Kremp  
*Leiotriletes sphaerotriangulus* (Loose) Potonié and Kremp  
*Leiotriletes tumidus* Butterworth and Williams  
*Lophotriletes commisuralis* (Kosanke) Potonié and Kremp  
*Lophotriletes gibbosus* (Ibrahim) Potonié and Kremp  
*Lophotriletes labiatus* Sullivan  
*Lophotriletes microsaetosus* (Loose) Potonié and Kremp  
*Lophozonotriletes dentatus* Hughes and Playford  
*Lophozonotriletes triangulatus* Hughes and Playford  
*Lophozonotriletes variaverrucatus* Playford  
*Lycospora pusilla* (Ibrahim) Somers  
*Microreticulatisporites concavus* Butterworth and Williams  
*Microreticulatisporites microreticulatus* Knox  
*Microreticulatisporites parvirugosus* Staplin  
*Microreticulatisporites punctatus* Knox  
*Monilospora* sp.  
*Murospora aurita* Playford  
*Murospora complicata* Ravn  
*Murospora conduplicata* (Andrejeva) Playford  
*Murospora friendii* Playford  
*Neoraistrickia coronata* Ravn  
*Orbisporis orbiculus* Bharadwaj and Venkatachala  
*Potoniespores delicatus* Playford  
*Procoronaspora ambigua* Butterworth and Williams  
*Propriporites laevigatus* Neves  
*Punctatisporites aerarius* Butterworth and Williams  
*Punctatisporites giganteus* Neves  
*Punctatisporites irrasus* Hacquebard  
*Punctatisporites minutus* Kosanke  
*Punctatisporites nitidus* Hoffmeister, Staplin and Malloy  
*Punctatisporites obliquus* Kosanke  
*Punctatisporites pseudopunctatus* Neves  
*Punctatisporites punctatus* Ibrahim  
*Punctatisporites sinuatus* (Artüz) Neves  
*Pustulatisporites papillosus* (Knox) Potonié and Kremp  
*Raistrickia nigra* Love  
*Raistrickia superba* (Ibrahim) Schopf, Wilson and Bentall  
*Remysporites magnificus* (Horst) Butterworth and Williams  
*Reticulatisporites carnosus* (Knox) Neves  
*Reticulatisporites polygonalis* (Ibrahim) Smith and Butterworth  
*Retispora staplinii* (Gupta and Boozer) Ravn and Fitzgerald  
*Rotaspora ergonulii* (Agrali) Sullivan and Marshall  
*Rotaspora knoxi* Butterworth and Williams  
*Rugospora corporata* Neves and Owens  
*Rugospora minuta* Neves and Ioannides  
*Savitrissporites concavus* Marshall and Smith  
*Savitrissporites nux* (Butterworth and Williams) Smith and Butterworth  
*Schulzospora campyloptera* (Waltz) Hoffmeister, Staplin and Malloy  
*Schulzospora ocellata* (Horst) Potonié and Kremp  
*Secarisporites remotus* Neves  
*Simozonotriletes intortus* (Waltz) Potonié and Kremp  
*Simozonotriletes siblyana* Sullivan  
*Spelaeotriletes arenaceous* Neves and Owens  
*Spelaeotriletes asperatus* Ravn  
*Spelaeotriletes triangulus* Neves and Owens

*Spinozontriletes uncatu*s Hacquebard  
*Stenozontriletes bracteolus* (Butterworth and Williams) Smith and Butterworth  
*Stenozontriletes cf. triangulus*  
*Stenozontriletes coronatus* Sullivan and Marshall  
*Stenozontriletes facilis* Ishchenko  
*Stenozontriletes lycosporoides* (Butterworth and Williams) Smith and Butterworth  
*Stenozontriletes minutus* Ishchenko  
*Stenozontriletes mirabilis* Neves  
*Stenozontriletes opiniosus* Ishchenko  
*Tantillus triquetrus* Felix and Burbridge  
*Tholiosporites scoticus* Butterworth and Williams  
*Tricidarosporites balteolatus* Sullivan and Marshall  
*Tripartites distinctus* Williams  
*Tripartites trilinguis* (Horst) Potonié and Kremp  
*Tripartites vetustus* Schemel  
*Triquitrites comptus* Williams  
*Triquitrites marginatus* Hoffmeister, Staplin et Malloy  
*Triquitrites tribullatus* (Ibrahim) Schopf, Wilson and Bental  
*Vallatisporites ciliaris* (Luber) Sullivan  
*Vallatisporites vallatus* Hacquebard  
*Verrucosiosporites cerosus* (Hoffmeister, Staplin and Malloy) Butterworth and Williams  
*Verrucosiosporites microtuberosus* (Loose) Smith and Butterworth  
*Verrucosiosporites morulatus* (Knox) Smith and Butterworth  
*Verrucosiosporites papillosus* (Ibrahim) Smith and Butterworth  
*Verrucosiosporites perversucosus* (Loose) Smith  
*Verrucosiosporites sifati* (Ibrahim ) Smith and Butterworth  
*Verrucosiosporites verrucosus* (Ibrahim) Ibrahim  
*Waltzispora planiangulata* Sullivan  
*Waltzispora polita* (Hoffmeister, Staplin and Malloy) Smith and Butterworth