

APPENDIX 1

List of location of rock samples and Rock-Eval data

Poland				Rock-Eval data					Ukraine				Rock-Eval data				
Borehole	Sample code	Depth [m]	Chronostratigraphy	TOC	T <sub>max</sub>	HI	OI	PI	Borehole	Sample code	Depth [m]	Chronostratigraphy	TOC	T <sub>max</sub>	HI	OI	PI
Lublin Basin									Lviv Basin								
Lower Devonian									Lower Devonian								
Gielczew IG 1	Gi-1	2276.5	Emsian	0.02					Gorokhiv-6	Go-6	1116-1119.5	Lochkovian	0.01				
Gielczew IG 1	Gi-1	2344.1	Emsian	0.06					Gorokhiv-6	Go-6	1135-1143	Lochkovian	0.04				
Komarów IG 1	Ko-1	2472.0	Emsian	0.03					Gorokhiv-6	Go-6	1143-1150	Lochkovian	0.02				
Komarów IG 1	Ko-1	2496.2	Emsian	0.03					Gorokhiv-6	Go-6	1052.2-1058.7	Lochkovian	0.20	422	10	35	0.33
Komarów IG 1	Ko-1	2505.2	Emsian	0.25		28	8	0.15	Lokachi-2	Lo-2	1114-1123	Pragian-Emsian	0.04				
Komarów IG 1	Ko-1	2531.2	Emsian	0.42		29	5	0.09	Lokachi-7	Lo-7	993-1002	Pragian-Emsian	0.45				
Komarów IG 1	Ko-1	2545.5	Emsian	0.03					Lokachi-7	Lo-7	1002-1008.5	Pragian-Emsian	0.09				
Korczmin IG 2	Kr-2	2499.7	Emsian	0.04	453	50	75	0.24	Lokachi-8	Lo-8	1106-1113	Pragian-Emsian	0.20				
Middle Devonian									Middle Devonian								
Korczmin IG 2	Kr-2	2497.0	Eifelian	0.03					Lokachi-27	Lo-27	995-1006	Pragian-Emsian	0.14				
Korczmin IG 2	Kr-2	2456.0	Eifelian	0.04					Pidberezzya-1	Pi-1	1501-1503.4	Lochkovian	0.10				
Korczmin IG 2	Kr-2	2488.0	Eifelian	0.16					Sokal-1	So-1	2006-2016	Pragian-Emsian	0.04				
Komarów IG 1	Ko-1	2455.6	Eifelian	0.07	438	57	43	0.46	Middle Devonian								
Korczmin IG 2	Kr-2	2416.5	Eifelian	0.03					Litovyzh-1	Li-1	1796-1806	Eifelian	0.10	428	90	90	0.21
Gielczew IG 1	Gi-1	2222.0	Eifelian	0.10					Lokachi-3	Lo-3	1014-1023	Eifelian	0.06				
Gielczew IG 1	Gi-1	2246.4	Eifelian	0.00					Mynkiv-3	Mn-3	1220-1226	Eifelian	0.11	434	55	0	0.07
Komarów IG 1	Ko-1	2432.3	Givetian	0.11					Peremyslyany-2	Pe-2	1210-1218	Eifelian	0.09				
Komarów IG 1	Ko-1	2345.0	Givetian	0.10	437	20	50	0.38	Peremyslyany-2	Pe-2	1218-1226	Eifelian	0.05				
Korczmin IG 2	Kr-2	2380.9	Givetian	0.17	454	12	0	0.25	Peremyslyany-1	Pe-1	1200.8-1204.9	Eifelian	0.07				
Komarów IG 1	Ko-1	2312.8	Givetian	0.05					Pidberezzya-1	Pi-1	1458-1462	Eifelian	0.64	428	152	353	0.07
Komarów IG 1	Ko-1	2321.5	Givetian	0.09	437	78	0	0.29	Sokal-1	So-1	1902-1914	Eifelian	0.21	440	119	0	0.07
Gielczew IG 1	Gi-1	1981.5	Givetian	0.17		35	6	0.11	Sokal-1	So-1	1914-1927	Eifelian	0.03	441	100	100	0.11
Gielczew IG 1	Gi-1	2033.5	Givetian	0.30		3	63	0.21	Sokal-1	So-1	1927-1940	Eifelian	0.02				
Gielczew IG 1	Gi-1	2091.2	Givetian	0.05					Baluchyn-1	Ba-1	1176.1-1178.9	Givetian	0.10				
Gielczew IG 1	Gi-1	2133.4	Givetian	0.15					Dobrotvir-1	Dv-1	1814-1823	Givetian	0.04				
Gielczew IG 1	Gi-1	2139.0	Givetian	0.07					Litovyzh-1	Li-1	1743.2-1747.3	Givetian	0.03				
Upper Devonian									Upper Devonian								
Abramów 1	Ab-1	4598.0	Frasnian	0.06					Lokachi-1	Lo-1	983-988	Givetian	0.32				
Abramów 1	Ab-1	4632.0	Frasnian	0.47		9	2	0.45	Lokachi-3	Lo-3	924.7-932	Givetian	0.02				
Abramów 1	Ab-1	4637.5	Frasnian	0.05					Lokachi-3	Lo-3	920-924	Givetian	0.19	416	21	0	0.20
Abramów 1	Ab-1	4715.0	Frasnian	0.03					Lokachi-3	Lo-3	921.7-928.2	Givetian	0.08	427	50	12	0.33
Abramów 1	Ab-1	4369.0	Frasnian	0.07					Lokachi-3	Lo-3	938-942	Givetian	0.46	429	211	13	0.04
Korczmin IG 2	Kr-2	2288.2	Frasnian	0.09					Lokachi-3	Lo-3	948-952	Givetian	0.17	431	118	94	0.12
Korczmin IG 2	Kr-2	1951.5	Frasnian	0.04					Lokachi-3	Lo-3	952-962	Givetian	0.19	427	100	153	0.13
Korczmin IG 2	Kr-2	2000.0	Frasnian	0.19	441	32	37	0.37	Lokachi-3	Lo-3	942	Givetian	0.18				
Korczmin IG 2	Kr-2	2243.0	Frasnian	0.18	449	67	0	0.30	Lokachi-7	Lo-7	939-942.7	Givetian	0.30				
Ciecierzyn 1	Cn-1	3776.5	Frasnian	0.41		20	2	0.55	Lokachi-8	Lo-8	930-939.3	Givetian	1.89	429	56	49	0.28
Abramów 1	Ab-1	3608.0	Famennian	0.15					Lokachi-8	Lo-8	932.3-948	Givetian	2.35	424	22	41	0.24
Abramów 1	Ab-1	4105.0	Famennian	1.07	461	59	7	0.29	Lokachi-27	Lo-27	833	Givetian	0.01				
Ciecierzyn 1	Cn-1	3433.2	Famennian	1.32	457	84	3	0.23	Mynkiv-3	Mn-3	1183-1191	Givetian	0.24	430	67	17	0.06
Abramów 1	Ab-1	2665.0	Famennian	0.16	437	31	0	0.22	Pidberezzya-1	Pi-1	1345.7-1355	Givetian	0.27				
Abramów 1	Ab-1	2775.0	Famennian	0.06					Pidberezzya-1	Pi-1	1371-1377	Givetian	0.08				
Abramów 1	Ab-1	2920.0	Famennian	0.04					Peremyslyany-2	Pe-2	968-974	Givetian	0.38	527	5	18	0.39
Abramów 1	Ab-1	3074.0	Famennian	0.15	442	73	47	0.14	Peremyslyany-2	Pe-2	991-997	Givetian	0.57	518	12	7	0.24
Abramów 1	Ab-1	3137.0	Famennian	0.43	452	144	7	0.21	Stremin-1	St-1	1988-1999	Givetian	0.12				
Abramów 1	Ab-1	3207.0	Famennian	1.65	454	174	4	0.12	Upper Devonian								
Abramów 1	Ab-1	3456.0	Famennian	0.20	459	70	25	0.14	Dobrotvir-1	Dv-1	1725-1729	Frasnian	0.09				
Korczmin IG 2	Kr-2	1421.0	Famennian	0.08					Litovyzh-1	Li-1	1139.8-1144.7	Famennian	0.07	431	29	29	0.20
Korczmin IG 2	Kr-2	1590.5	Famennian	0.15	441	27	13	0.21	Litovyzh-1	Li-1	1207.3-1213	Famennian	0.10	435	160	20	0.09
Świdnik IG 1	Sw-1	2411.0	Famennian	0.40	452	140	10	0.16	Mynkiv-2	Mn-2	928-933	Frasnian	0.37	428	30	19	0.07
Świdnik IG 1	Sw-1	2487.9	Famennian	0.37	452	151	8	0.14	Ogladiv-2	Og-2	1074-1084	Frasnian	0.04				
Świdnik IG 1	Sw-1	2558.5	Famennian	0.27	447	96	37	0.23	Ogladiv-3	Og-3	900-910	Frasnian	0.06				
Świdnik IG 1	Sw-1	2602.5	Famennian	0.24	441	50	33	0.21	Sushne-1	St-1	1250-1258	Frasnian	1.43	428	252	3	0.11
Świdnik IG 1	Sw-1	2740.0	Famennian	0.30	448	93	20	0.36	Velyki Mosty-32	WM-32	2237-2250	Frasnian	0.04				
Świdnik IG 1	Sw-1	2776.0	Famennian	0.09					Volodymyr-Volynsky-1	VV-1	940-943.9	Frasnian	0.08				
Świdnik IG 1	Sw-1	2846.0	Famennian	0.12					TOC – total organic carbon [wt%]								
Świdnik IG 1	Sw-1	2930.0	Famennian	0.09					T <sub>max</sub> – temperature of maximum of S <sub>2</sub> peak [°C]								
Świdnik IG 1	Sw-1	3002.0	Famennian	0.08					HI – hydrogen index [mg HC/g TOC]								
Ciecierzyn 1	Cn-1	1567.3	Famennian	0.11					OI – oxygen index [mg CO <sub>2</sub> /g TOC]								
Glinnik 2	Gl-1	2330.5	Famennian	0.17	432	335	65	0.15	PI – production index = S <sub>1</sub> /(S <sub>1</sub> +S <sub>2</sub> )								
Glinnik 2	Gl-1	2451.2	Famennian	0.03													
Korczmin IG 2	Kr-2	1351.7	Famennian	0.05													
Korczmin IG 2	Kr-2	1354.2	Famennian	0.09													
Świdnik IG 1	Sw-1	1960.6	Famennian	0.09													
Świdnik IG 1	Sw-1	1961.5	Famennian	0.08													
Świdnik IG 1	Sw-1	2066.6	Famennian	0.04													
Świdnik IG 1	Sw-1	2146.0	Famennian	0.09	433	89	89	0.35									
Świdnik IG 1	Sw-1	2190.8	Famennian	0.14	432	43	36	0.36									
Świdnik IG 1	Sw-1	2216.0	Famennian	0.23	435	130	52	0.12									
Świdnik IG 1	Sw-1	2301.0	Famennian	0.10													
Świdnik IG 1	Sw-1	2376.1	Famennian	0.11													