

Table S1 . Supplementary data for the samples analysed in the study of Vincent and Kaye (2017). Samples are sorted by area, region and section and then ascending stratigraphic order.

Sample number	Latitude (N)	Longitude (E)	Region	Section	Height (m)	Age		
						Determination	Based on	Comments
Russia North								
WC140G/2	44.831	38.158		Abin River		Early Rupelian	Nannofossils & stratigraphic position	Upper NP21-lower NP22 based on the abundance of <i>Isthmolithus recurvus</i> , a lack of <i>Reticulofenestra reticulata</i> and its stratigraphic position. From 2 m above the Maykop Series lower boundary.
WC140G/3	44.831	38.158		Abin River		Early Rupelian	Stratigraphic position	From 4 m above the Maykop Series lower boundary. See sample WC140G/2.
WC140F/1	44.833	38.159		Abin River		?Rupelian	Stratigraphic position	
WC140D/1	44.835	38.162		Abin River		?Chattian	Stratigraphic position	
WC140C/1	44.835	38.163		Abin River		Chattian	Palynology	Impoverished dinocyst assemblage consistent with a Late Oligocene age.
May_14	44.409	40.202		Belaya River		Oligocene	Palynology	Equiv. to Upper Morozkina Balka to Septarium formations (palynozones ZS10-12, Zaporozhets, 1999), based on common <i>Deflandrea spinulosa</i> (~D15).
WC29/1	44.414	39.553		Pshekha river		Early Priabonian	Nannofossils	The presence of <i>Sphenolithus predistentus</i> , <i>Daktylethra punctulata</i> , <i>Neococcolithes</i> spp. and possibly <i>Helicosphaera bramlettei</i> would suggest a lower NP18 age.
WC25/1	44.366	39.794		Pshekha river		Early Miocene	Mapped age	Mapped as laterally equivalent to the Sakaraulian to Kozakhurian Clay-Siderite Suite (Korsakov <i>et al.</i> , 2002).
WC85/1	44.427	39.530		Pshish River		?Late Bartonian-Early Priabonian	<i>Pers. comm.</i>	Described as part of the Kuma Suite.
WC85/4	44.427	39.530		Pshish River		Early Miocene	Nannofossils & stratigraphic position	The presence of <i>Triquetrorhabdulus carinatus</i> suggests a late Late Oligocene or younger age (FO mid NP25), with the possible presence of <i>Hayella challengei</i> and <i>Umbilicosphaera</i> sp. suggesting an Early Miocene (~NN1-2) or younger age for underlying sample WC85/2. Mapped as part of the Maykop Series (Korsakov <i>et al.</i> , 2002).
Russia South								
WC94/2	43.507	40.026		Mzimta River	110.00	Early Rupelian	Palynology & nannofossils	Contains the Early Oligocene dinocyst <i>Wetzeliella symmetrica symmetrica</i> , along with a general assemblage similar to that in the middle part of the Pshekha Formation on the Belaya River (palynozone ZS6; Zaporozhets, 1999). If not reworked, the nannofossil <i>Coccolithus formosus</i> might also indicate a pre top NP21 age. Mapped as close to the base of the Matsestinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC8/1	43.587	40.007		Mzimta River	200.00	Early Rupelian	Stratigraphic position	See sample WC8/2.
WC8/2	43.587	40.007		Mzimta River	201.00	Early Rupelian	Palynology	Contains common <i>Areosphaeridium arcuatum</i> and the Early Oligocene marker <i>Wetzeliella symmetrica symmetrica</i> . Probably equivalent to the middle or upper parts of the Pshekha Formation on the Belaya River (palynozones ZS6-7; Zaporozhets, 1999).
WC8/4	43.587	40.007		Mzimta River	203.00	Early Rupelian	Stratigraphic position	See sample WC8/2.
WC11/4	43.581	40.005		Mzimta River	250.00	mid Rupelian	Stratigraphic position	See sample WC11/5.
WC11/5	43.581	40.005		Mzimta River	250.40	mid Rupelian	Palynology	Contains <i>Wetzeliella symmetrica symmetrica</i> (D14a and younger) and a general assemblage containing key markers of the Ostracoda Beds on the Belaya River (palynozone ZS8; Zaporozhets, 1999). Mapped as part of the Matsestinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC95/3	43.503	40.026		Mzimta River	310.00	Late Rupelian	Mapped age & palynology	Mapped as part of the Matsestinskaya Suite (Lavrishchev <i>et al.</i> , 2002). Dinocysts are consistent with, but not diagnostic of the mapped age.
WC46/1	43.587	39.807		Mzimta River	400.00	Late Rupelian	Palynology & nannofossils	Contains the dinocyst marker <i>Wetzeliella gochtii</i> , constraining its age to the mid to late Early Oligocene (palynozones ZS8-9, ~D14b; Zaporozhets, 1999). This is consistent with the nannofossil data. Mapped as part of the Matsestinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC96/1	43.496	40.025		Mzimta River	510.00	Late Rupelian	Mapped age & palynology	From the top of the Matsestinskaya Suite (Lavrishchev <i>et al.</i> , 2002). Dinocysts are consistent with, but not diagnostic of the mapped age.
WC96/4	43.496	40.025		Mzimta River	539.00	Late Rupelian	Mapped age	From the top of the Matsestinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC47a/2	43.524	39.886		Mzimta River	554.00	Late Rupelian	Mapped age	Mapped as from the base of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2000).
WC97/3	43.486	40.031		Mzimta River	581.00	Late Rupelian	Palynology	Contains the dinocysts <i>Wetzeliella gochtii</i> , <i>Distatodinium ellipticum</i> and <i>Hystrichokolpoma rigaudiae</i> diagnostic of the lower Morozkina Balka Formation on the Belaya River (palynozone ZS9, ~D14b; Zaporozhets). Mapped as from the lower part of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC98/1	43.481	40.033		Mzimta River	612.00	Late Rupelian	Mapped age	Mapped as from the lower part of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC99/1	43.475	40.031		Mzimta River	673.00	Late Rupelian	Palynology & nannofossils	Sample WC99/2, 15 m above WC99/1 contains the nannofossils <i>Cyclicargolithus abisectus</i> and <i>Isthmolithus recurvus</i> which, if <i>in situ</i> , would suggest a mid NP23 age. This consistent with the presence of dinocyst marker <i>Wetzeliella gochtii</i> , making it equivalent to the lower Morozkina Balka Formation on the Belaya River (palynozone ZS9, ~D14b; Zaporozhets). Mapped as from the mid part of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2002).
WC44/3	43.476	39.982		Mzimta River	741.00	Late Rupelian	Palynology	Contains the Early Oligocene dinocyst markers <i>Wetzeliella symmetrica symmetrica</i> and <i>Wetzeliella gochtii</i> and the mid Oligocene pollen <i>Boehliensisipollis hohli</i> . In particular, the presence of <i>Wetzeliella gochtii</i> provides a mid to late Early Oligocene (palynozones ZS8-9, ~D14b; Zaporozhets, 1999) age. Mapped as from the mid part of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2000).
WC93/2	43.570	39.779		Mzimta River	780.00	Late Rupelian	Mapped age	Mapped as from near the top of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2000).
WC104/1	43.462	39.958		Mzimta River	798.00	Late Rupelian	Mapped age	Mapped as from the top of the Khostinskaya Suite (Lavrishchev <i>et al.</i> , 2000).
WC92/2	43.599	39.755		Mzimta River	968.00	Late Rupelian-early Chattian	Stratigraphic position	See sample WC92/5.
WC92/5	43.599	39.755		Mzimta River	982.00	Late Rupelian-early Chattian	Palynology	The presence of <i>Deflandrea phosphoritica</i> , <i>D. spinulosa (typicus)</i> , <i>Areosphaeridium pectiniforme</i> and <i>Chiropteridium lobospinosum</i> suggest a mid Oligocene (palynozone ZS10, ~D15a-b) age. Mapped as part of the Sochinskaya Suite (Lavrishchev <i>et al.</i> , 2000).
WC92/7	43.599	39.755		Mzimta River	992.00	Late Rupelian-early Chattian	Stratigraphic position	See sample WC92/5.
WC92/10	43.605	39.752		Mzimta River	1045.00	?Early Chattian	Stratigraphic position	Approx. 60 m above sample WC92/5. Mapped as part of the Sochinskaya Suite (Lavrishchev <i>et al.</i> , 2000).
WC108/1	43.452	39.987		Mzimta River	1105.00	Aquitanian	Palynology, nannofossils & mapped age	The palynological assemblage including <i>Tectatodinium pellitum</i> , and the presence of early <i>Umbilicosphaera</i> sp. suggest an Early Miocene age. Mapped as part of the Musovidnenskaya and Kudestinskaya suites combined (Lavrishchev <i>et al.</i> , 2000).
WC149/1	43.519	39.851		Mzimta River	1520.00	Aquitanian	Palynology & mapped age	Dinocyst occurrences suggest an age no younger than Middle Miocene (e.g. <i>Homotryblium tenuispinosum</i> and <i>Systematophora placacantha</i>). Pollen would suggest no older than Early Miocene (rare <i>Echitricolporites spinosus</i>). Mapped as part of the Musovidnenskaya and Kudestinskaya suites combined (Lavrishchev <i>et al.</i> , 2000).
WC149/2	43.519	39.851		Mzimta River	1522.00	Aquitanian	Palynology & mapped age	See sample WC149/1.
WC42/3	43.643	39.701	Sochi			Early Priabonian	Palynology & pers. comm.	Dinocyst taxa present include <i>Achilleodinium biformoides</i> , <i>Achomosphaera alcicomu</i> , <i>Areosphaeridium</i> cf. <i>multicomutum</i> and <i>Areosphaeridium michoudii</i> . The presence of these taxa, along with the absence of the Middle Eocene marker <i>Diphyes colligerum</i> , indicate a probable Late Eocene age. Occurs immediately above the Middle/Late Eocene boundary with the Navaginskaya Suite.
WC42/4	43.643	39.701	Sochi			Early Priabonian	Stratigraphic position	See sample WC42/3.
WC42/5	43.643	39.701	Sochi			Early Priabonian	Stratigraphic position	See sample WC42/3.
WC150/1	43.655	39.756	Sochi			mid to Late Rupelian	Palynology	Contains the marker dinocysts <i>Wetzeliella symmetrica symmetrica</i> and <i>W. gochtii</i> consistent with a mid to late Early Oligocene and probable palynozones ZS8-9 age (~D14b; Zaporozhets, 1999).
WC150/2	43.655	39.756	Sochi			mid to Late Rupelian	Palynology	See sample WC150/1.
WC150/3	43.655	39.756	Sochi			mid to Late Rupelian	Palynology	See sample WC150/1.
WC19/11	44.139	39.022	Tuapse			Rupelian	Pers. comm.	The outcrop is reported to contain the Early Oligocene dyncocyt <i>Wetzeliella gochtii</i> (~D14b). Mapped as part of the Oligocene Suusanskaya unit (Korsakov <i>et al.</i> , 2002).
WC19/13	44.139	39.022	Tuapse			Rupelian	Pers. comm.	See sample WC19/11.
WC20/4	44.142	39.019	Tuapse			Rupelian	Pers. comm.	See sample WC19/11.
WC20/5	44.142	39.019	Tuapse			Rupelian	Pers. comm.	See sample WC19/11.
West Georgia								
WG25a/1	42.659	42.157	Northwest	Chanis River	17.20	Late Bartonian-earliest	Stratigraphic position	See sample WG25a/2.
WG25a/2	42.659	42.157	Northwest	Chanis River	25.60	Late Bartonian-early Priabonian	Palynology, nannofossils & stratigraphic position	The dinocyst assemblage contains abundant <i>Areosphaeridium arcuatum</i> and <i>A. michoudii</i> , and common <i>A. diktyoplokus</i> and <i>Thalassiphora pelagica</i> suggesting equivalence to palynozones ZS1-3 (~D10-D12b). An abundant nannofossil assemblage includes <i>Cribrorocentrum reticulum</i> that indicates a less precise upper NP15-mid NP21 range.
WG25a/3	42.659	42.157	Northwest	Chanis River	33.60	Early Priabonian	Nannofossils	The presence of nannofossil <i>Reticulofenestra stavensis</i> and absence of <i>Isthmolithus recurvus</i> and <i>Chiasmolithus grandis</i> indicate a NP18 age.
WG25a/4	42.659	42.157	Northwest	Chanis River	50.30	Early Priabonian	Palynology, nannofossils & stratigraphic position	A complex dinocyst assemblage, including common <i>Areosphaeridium arcuatum</i> , frequent <i>Diphyes colligerum</i> , <i>Systematophora ancyrea / placacantha</i> , <i>A. diktyoplokus</i> , <i>Thalassiphora pelagica</i> and <i>A. michoudii</i> , and rare <i>Rottnestia borussica</i> and <i>Rhombodinium glabrum / rhomboideum</i> , indicates a late Bartonian to early Priabonian age, equivalent to palynozones ZS1-3 (Zaporozhets, 1999). The nannofossil assemblage, that includes very big <i>Coccolithus pelagicus</i> (eopelagicus), <i>Reticulofenestra umbilica</i> and <i>R. bisecta</i> , points to a Late Eocene to Early Oligocene age.
WG25a/5	42.659	42.157	Northwest	Chanis River	67.10	Early Priabonian	Nannofossils	The presence of nannofossil <i>Reticulofenestra reticulata</i> and <i>Isthmolithus recurvus</i> indicate a lower NP19 age.
WG25a/6	42.659	42.157	Northwest	Chanis River	83.90	Early Priabonian	Palynology & nannofossils	The dinocyst assemblage includes frequent <i>Areosphaeridium arcuatum</i> , and occasional <i>Achilleodinium biformoides</i> , <i>Systematophora ancyrea / placacantha</i> and <i>Thalassiphora pelagica</i> suggestive of palynozone ZS3 (~D12a-b; Zaporozhets, 1999). The presence of nannofossil <i>Reticulofenestra reticulata</i> and <i>Isthmolithus recurvus</i> indicate a lower NP19 age.
WG25a/7	42.659	42.157	Northwest	Chanis River	100.60	Priabonian	Nannofossils	The presence of nannofossils <i>Isthmolithus recurvus</i> and <i>Clausicoccus subdistichus</i> and absence of <i>Reticulofenestra reticulata</i> and discoasters indicate an upper NP19-lower NP21 age.
WG25a/8	42.659	42.157	Northwest	Chanis River	117.40	Priabonian	Palynology, nannofossils & stratigraphic position	The dinocyst assemblage includes abundant <i>Batiacasphaera</i> spp., occasional <i>Areosphaeridium arcuatum</i> , <i>Systematophora ancyrea / placacantha</i> and <i>Thalassiphora pelagica</i> suggestive of palynozone ZS3 (~D12a-b; Zaporozhets, 1999). The presence of nannofossils <i>Isthmolithus recurvus</i> and <i>Clausicoccus subdistichus</i> and absence of <i>Reticulofenestra reticulata</i> and discoasters indicate an upper NP19-lower NP21 age.
WG25/1	42.659	42.157	Northwest	Chanis River	125.00	Early Rupelian	Palynology & nannofossils	The dinocyst assemblage includes common <i>Achomosphaera</i> spp. and <i>Distatodinium paradoxum</i> , and rare <i>Chiropteridium</i> spp. indicative of an Early Oligocene age. The presence of nannofossils <i>Isthmolithus recurvus</i> and <i>Reticulofenestra umbilicus</i> indicate a NP21-lower NP22 age.
WG25/2	42.659	42.157	Northwest	Chanis River	130.00	Early Rupelian	Palynology, nannofossils & stratigraphic position	The presence of common nannofossil <i>Isthmolithus recurvus</i> and a relatively diverse dinocyst assemblage that includes <i>Areosphaeridium arcuatum</i> , <i>Gerdiocysta conopea</i> , common <i>Hystrichokolpoma</i> spp., <i>Membranophoridium aspinatum</i> Group and questionable <i>Wetzeliella gochtii</i> suggest a NP21 to intra NP23 range.
WG25/3	42.659	42.157	Northwest	Chanis River	132.00	Early Rupelian	Palynology	The relatively diverse dinocyst assemblage includes abundant <i>Pyxidiniopsis</i> spp., and common <i>Achomosphaera</i> spp., <i>Batiacasphaera</i> spp., <i>Cleistosphaeridium</i> spp., <i>Cribrorocentrum tenuitubulatum</i> , <i>Homotryblium tenuispinosum</i> and <i>Hystrichokolpoma rigaudae</i> , and rare <i>Wetzeliella symmetrica symmetrica</i> and <i>Chiropteridium</i> spp. indicative of an Early (but not earliest) Oligocene age.
WG25/4	42.659	42.157	Northwest	Chanis River	134.00	Early Rupelian	Palynology & stratigraphic position	The sample contains a relatively diversified dinocyst assemblage that includes <i>Areosphaeridium arcuatum</i> , <i>Gerdiocysta conopea</i> , common <i>Hystrichokolpoma</i> spp., <i>Membranophoridium aspinatum</i> Group and questionable <i>Wetzeliella gochtii</i> indicative of palynozones ZS7-9 (~D14; Zaporozhets, 1999).

Sample number	Latitude (N)	Longitude (E)	Region	Section	Height (m)	Age		
						Determination	Based on	Comments
WG25/5	42.659	42.157	Northwest	Chanis River	136.00	Early Rupelian	Palynology & nannofossils	The dinocyst assemblage includes common <i>Thalassiphora pelagica</i> , <i>Deflandrea phosphoritica</i> and <i>Phthanoperidinium comatum</i> , and occasional <i>Homotryblium floripes</i> , <i>Wetzelia symmetrica symmetrica</i> and <i>Dapsilidinium pseudocolligerum</i> indicative of an Early Oligocene (palynozones ZS6-7) age. The presence of nannofossils <i>Isthmolithus recurvus</i> , <i>Lanternithus minutus</i> and <i>Reticulofenestra umbilica</i> suggest a NP21-lower NP22 age.
WG25/6	42.659	42.157	Northwest	Chanis River	138.00	Early Rupelian	Nannofossils	The presence of nannofossils <i>Isthmolithus recurvus</i> and <i>Reticulofenestra umbilica</i> suggest a NP21-lower NP22 age.
WG25/7	42.659	42.157	Northwest	Chanis River	140.00	Early Rupelian	Nannofossils	The presence of nannofossil <i>Isthmolithus recurvus</i> suggests a NP21-lower NP22 age.
WG25/8	42.659	42.157	Northwest	Chanis River	142.00	Early Rupelian	Stratigraphic position	See sample WG25/7.
WG25/9	42.659	42.157	Northwest	Chanis River	144.00	Early Rupelian	Stratigraphic position	See sample WG25/7.
WG25/10	42.659	42.157	Northwest	Chanis River	146.00	Early Rupelian	Stratigraphic position	See samples WG25/7 & 11.
WG25/11	42.659	42.157	Northwest	Chanis River	160.00	Early Rupelian	Nannofossils	The presence of nannofossils <i>Isthmolithus recurvus</i> , <i>Lanternithus minutus</i> and <i>Reticulofenestra bisecta</i> suggest a NP21-lower NP22 age.
WG25/12	42.659	42.157	Northwest	Chanis River	162.00	Early Rupelian	Palynology & nannofossils	The impoverished dinocyst assemblage includes the common Early Oligocene form <i>Phthanoperidinium comatum</i> . The presence of nannofossils <i>Isthmolithus recurvus</i> and <i>Reticulofenestra bisecta</i> suggest a more precise NP21-lower NP22 age.
WG25/13	42.659	42.157	Northwest	Chanis River	164.00	Early Rupelian	Nannofossils	The impoverished dinocyst assemblage includes the occasional <i>Dapsilidinium simplex</i> , <i>Thalassiphora pelagica</i> and <i>Phthanoperidinium comatum</i> indicative of an Early Oligocene age. The presence of nannofossil <i>Isthmolithus recurvus</i> suggests a more precise NP21-lower NP22 age.
WG25/14	42.659	42.157	Northwest	Chanis River	166.00	Early Rupelian	Stratigraphic position	See sample WG25/13.
WG25/15	42.659	42.157	Northwest	Chanis River	168.00	Early Rupelian	Stratigraphic position	See sample WG25/13.
WG28f/1	42.668	42.141	Northwest	Chanis River	236.75	Late Rupelian	Palynology	Contains a relatively low diversity dinocyst assemblage that is dominated by superabundant <i>Batiacasphaera</i> spp. and abundant <i>Spiniferes ramosus</i> and <i>Arealigera cf. coronata</i> . Occasional <i>Hystrichokolpoma rigaudiae</i> may indicate correlation with the palynozone ZS9 of Zaporozhets (1999) and the lower Morozkina Balka Suite (~D14b).
WG28f/2	42.668	42.141	Northwest	Chanis River	245.25	Late Rupelian	Palynology & stratigraphic position	Contains a relatively low diversity dinocyst assemblage that is dominated by abundant <i>Batiacasphaera</i> spp. and <i>Emslandia emslandensis</i> . The latter has a mid Oligocene to Middle Miocene range.
WG24/1	42.666	42.145	Northwest	Chanis River	247.00	Late Rupelian	Palynology	Contains a relatively low diversity dinocyst assemblage that is dominated by <i>Batiacasphaera</i> spp. and <i>Hystrichokolpoma</i> spp. This suggests a correlation with the palynozones ZS8-9 of Zaporozhets (1999) and the Ostracoda Beds and lower Morozkina Balka Formation on the Belaya River.
WG24/2	42.666	42.145	Northwest	Chanis River	248.00	Late Rupelian	Stratigraphic position	See sample WG24/1.
WG28f/3	42.668	42.141	Northwest	Chanis River	250.75	Late Rupelian	Stratigraphic position	See sample WG24/1.
WG28f/5	42.668	42.141	Northwest	Chanis River	256.75	Late Rupelian	Stratigraphic position	See sample WG24/1.
WG28e/1	42.667	42.140	Northwest	Chanis River	333.50	Late Rupelian	Palynology	The occurrence of common <i>Deflandrea phosphoritica</i> and <i>Palaeocystodinium golzowense</i> , if <i>in situ</i> , suggest affinities with palynozone ZS10 of Zaporozhets (1999). This in turn implies a stratigraphic position within the lower part of the <i>Chiropteridium partispinatum</i> Zone (D15a-b).
WG28e/2	42.667	42.140	Northwest	Chanis River	336.00	Late Rupelian	Stratigraphic position	2.5 m above sample WG28e/1.
WG28e/3	42.667	42.140	Northwest	Chanis River	339.50	Late Rupelian	Stratigraphic position	6 m above sample WG28e/1.
WG29/2	42.664	42.143	Northwest	Chanis River	390.00	?Early Chattian	Stratigraphic position	Underlying sample WG29/1 (383 m) contains a dinocyst assemblage that is characterised by common <i>Homotryblium tenuisinosum</i> and <i>Deflandrea cf. phosphoritica</i> equivalent to the upper Morozkina Balka Suite on the Belaya River section (palynozone ZS10; Zaporozhets, 1999).
WG29/3	42.664	42.143	Northwest	Chanis River	395.00	?Early Chattian	Stratigraphic position	See sample WG29/2.
WG28d/1	42.665	42.137	Northwest	Chanis River	744.50	Chattian	Palynology	Contains a dinocyst assemblage characterised by common <i>Homotryblium tenuisinosum</i> and rare <i>Deflandrea spinuosa</i> , along with the superabundant pollen <i>Inaperturopollenites hiatus</i> , consistent with a Late Oligocene age.
WG27/1	42.663	42.133	Northwest	Chanis River	976.60	?Aquitanian	Stratigraphic position	Contains abundant early Oligocene reworking, but no age diagnostic <i>in situ</i> forms.
WG27/2	42.663	42.133	Northwest	Chanis River	982.40	?Aquitanian	Stratigraphic position	
WG27/3	42.663	42.133	Northwest	Chanis River	1011.50	?Aquitanian	Stratigraphic position	
WG125/2	42.661	42.132	Northwest	Chanis River	1085.00	Aquitanian-Burdigalian	Palynology, nannofossils & stratigraphic position	Contains a dinocyst assemblage that includes <i>Batiacasphaera micropapillata</i> , <i>Emslandia emslandensis</i> , <i>Hystrichosphaeropsis obscura</i> , <i>Operculodinium centrocarpum</i> and <i>Systematophora ancyrea</i> that indicate an Early Miocene age. <i>Reticulofenestra</i> nannofossil size variations might suggest a NN4 to lower NN6 (Burdigalian to Serravallian) age range (however see sample WG126/2).
WG125/1	42.661	42.132	Northwest	Chanis River	1115.00	Aquitanian-Burdigalian	Stratigraphic position	See sample WG125/2.
WG126/1	42.662	42.129	Northwest	Chanis River	1270.00	Aquitanian-Burdigalian	Stratigraphic position	See sample WG126/2.
WG126/2	42.662	42.129	Northwest	Chanis River	1280.00	Aquitanian-Burdigalian	Palynology & nannofossils	Contains a dinocyst assemblage that includes <i>Hystrichosphaeropsis obscura</i> , indicating a latest Oligocene to Early Pliocene age. An age not younger than Mid Miocene is indicated by common <i>Systematophora ancyrea</i> . <i>Reticulofenestra</i> nannofossil size variations suggest a NN2 to lower NN4 (Aquitanian-Burdigalian) age range.
WG126/3	42.662	42.129	Northwest	Chanis River	1290.00	Aquitanian-Burdigalian	Stratigraphic position	10 m above sample WG126/2.
WG147/1	42.660	42.127	Northwest	Chanis River	1430.00	Aquitanian-Burdigalian	Stratigraphic position	The palynological assemblage contains <i>Batiacasphaera micropapillata</i> and is similar to that reported from palynozone ZS14 by Zaporozhets (1999). This implies an Early Miocene age probably in the upper part of the <i>Labyrinthodinium truncatum</i> /D16 Zone.
WG147/3	42.660	42.127	Northwest	Chanis River	1488.00	Aquitanian-Burdigalian	Stratigraphic position	See sample WG147/5.
WG147/4	42.660	42.127	Northwest	Chanis River	1492.00	Aquitanian-Burdigalian	Stratigraphic position	See sample WG147/5.
WG147/5	42.656	42.126	Northwest	Chanis River	1509.00	Aquitanian-Burdigalian	Stratigraphic position	Sample WG148/1 ~45 m above this contains a dinocyst assemblage indicative of an Early to Middle Miocene age.
WG144/1	42.594	42.854	Northeast	Rioni tributary		Oligocene-Early Miocene	Mapped age	Maykopian according to Dzhanlidze and Kandelaki (1955).
WG144/2	42.594	42.854	Northeast	Rioni tributary		Oligocene-Early Miocene	Mapped age	Maykopian according to Dzhanlidze and Kandelaki (1955).
WG67/1	42.597	42.708	Northeast	Tskhenis River		Chattian	Palynology	Contains a dinocyst assemblage that is characterised by common <i>Deflandrea spinulosa</i> and <i>Homotryblium tenuisinosum</i> . These taxa indicate a Late Oligocene age (approximately corresponding to palynozone ZS10 to possibly ZS12 of Zaporozhets, 1999).
WG67/3	42.597	42.708	Northeast	Tskhenis River		Chattian	Stratigraphic position	~4 m above sample WG67/7.
WG67/7	42.597	42.708	Northeast	Tskhenis River		Chattian	Palynology	Contains a dinocyst assemblage that is characterised by <i>Wetzelia symmetrica</i> and frequent <i>Lingulodinium machaerophorum</i> , <i>Deflandrea spinulosa</i> and common <i>Homotryblium tenuisinosum</i> . The latter two taxa indicate a Late Oligocene age (approximately corresponding to palynozone ZS10 to possibly ZS12 of Zaporozhets, 1999).
WG68/1	42.595	42.706	Northeast	Tskhenis River		Oligocene	Stratigraphic position	~35 m below sample WG67/1.
WG70b/2	42.616	42.720	Northeast	Tskhenis River		Chattian-Burdigalian	Palynology	Contains a dinocyst assemblage that includes common <i>Homotryblium tenuisinosum</i> and <i>Systematophora ancyrea</i> , frequent <i>Deflandrea spinulosa</i> and questionable <i>Labyrinthodinium truncatum</i> , indicating a Late Oligocene to Mid Miocene age.
WG70b/4	42.616	42.720	Northeast	Tskhenis River		?Aquitanian-Burdigalian	Stratigraphic position	~60 m above sample WG70b/2.
WG70c/2	42.618	42.717	Northeast	Tskhenis River		Aquitanian-Langhian	Stratigraphic position	~280 m above sample WG70b/2 and ~40 m below sample WG70c/3.
WG70c/3	42.618	42.717	Northeast	Tskhenis River		Aquitanian-Langhian	Palynology	Contains a dinocyst assemblage that is dominated by the <i>Spiniferes ramosus</i> 'group'. Two specimens of <i>Labyrinthodinium truncatum</i> , along with frequent <i>Systematophora ancyrea</i> indicate an Early to Mid Miocene age.
WG1/8	42.371	41.884	Central	Skaya River		Rupelian	<i>Pers. comm.</i>	Identified as Khadumian.
WG1/9	42.371	41.884	Central	Skaya River		Rupelian	<i>Pers. comm.</i>	Identified as Khadumian.
WG1/11	42.376	41.883	Central	Skaya River		?Oligocene	Stratigraphic position	Approx. 130 m above sample WG1/8.
WG1i/1	42.371	41.889	Central	Skaya River		?Oligocene	Stratigraphic position	Approx. 250 m above sample WG1/8.
WG2/1	42.376	42.192	Central	Teykhuri River		?Early Miocene	Stratigraphic position	Close to top of Maykop Series outcrop.
WG16/1	42.279	42.021	Central	Tsivi River		?Oligocene-Early Miocene	<i>Pers. comm.</i>	Identified as Maykopian, although field relationships are complex.
WG16/2	42.279	42.021	Central	Tsivi River		?Oligocene-Early Miocene	<i>Pers. comm.</i>	Identified as Maykopian, although field relationships are complex.
WG16/3	42.279	42.021	Central	Tsivi River		?Oligocene-Early Miocene	<i>Pers. comm.</i>	Identified as Maykopian, although field relationships are complex.
WG16/4	42.279	42.021	Central	Tsivi River		?Oligocene-Early Miocene	<i>Pers. comm.</i>	Identified as Maykopian, although field relationships are complex.
WG17/2	42.280	42.018	Central	Tsivi River		?Oligocene-Early Miocene	<i>Pers. comm.</i>	Identified as Maykopian, although field relationships are complex.
WG33/2	42.067	42.517	South	Kumuri River		Priabonian	<i>Pers. comm.</i>	Identified as Late Eocene.
WG33/3	42.067	42.517	South	Kumuri River		Rupelian	<i>Pers. comm.</i>	Identified as Khadumian.
WG56/1	42.037	42.075	South			Oligocene	Mapped age	From the lower part of the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG57/1	42.036	42.078	South			Oligocene	Mapped age	From the lower part of the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG57/3	42.036	42.078	South			Oligocene	Mapped age	From the lower part of the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG57/4	42.036	42.078	South			Oligocene	Mapped age	From the lower part of the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG59/1	42.027	42.093	South			Oligocene	Mapped age	From the lower part of the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG60/1	42.017	42.088	South			Oligocene-Early Miocene	Mapped age	From the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG60/2	42.017	42.088	South			Oligocene-Early Miocene	Mapped age	From the Makyop Series according to Dzhanlidze and Kandelaki (1955).
WG107/1	42.064	42.829	South			Priabonian	Mapped age	Late Eocene according to Dzhanlidze and Kandelaki (1955).
WG107/2	42.064	42.829	South			Priabonian	Mapped age	Late Eocene according to Dzhanlidze and Kandelaki (1955).

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