

Table 1 (Continued)

Major Cenozoic ant deposits					
Deposit name	Location	Brief geological details	Age	Percentage of insect fossils that are ants	Ant taxa known
Green River	Widespread across western United States (northeastern Utah, northwestern Colorado, and southwestern Wyoming). Best collected are deposits from the Piceance Creek Basin	Imprints in lacustrine oil shales and calcareous mudstone	Early Eocene (49–54 mya) (103)	6.9% (28)	Species from Aneuretinae, Dolichoderinae, Myrmeciinae, Myrmicinae, Ponerinae, uncertain subfamily (27), Formiciinae (3)
McAbee	British Columbia, Canada	Imprints in lacustrine shale	Early Eocene, Ypresian (51 mya) (1)	N/A	<i>Ypresiomyrma</i> (Myrmeciinae) (1)
Messel	Grube Messel, near Darmstadt, Hesse, Germany	Imprints in bituminous claystone	Middle Eocene (47 mya) (74)	13.1% (67)	<i>Titanomyrma</i> (Formiciinae), <i>Gesomyrmex</i> , <i>Oecophylla</i> (Formicinae) (29, 30, 66)
Eckfeld	Eckfeld Maar	Imprints in lacustrine deposits	Middle Eocene (44 mya) (74)	3.9% (28)	<i>Gesomyrmex</i> and <i>Oecophylla</i> (30, 31). Also present are Formiciinae, Ponerinae, Formicinae, Dolichoderinae and Myrmicinae
Baltic amber	South coast of Baltic Sea from Poland to Estonia	Inclusions in fossil coniferous resin (succinite)	Middle to Late Eocene (37–42 mya) (109)	5% (28)	Many taxa (29)
Bembridge	Several sites along the coast of Isle of Wight	3D impressions in limestone	Late Eocene (34 mya) (55)	N/A	Many taxa (15, 32)
Florissant	Florissant, Colorado	Imprints in lacustrine shale (diatomite)	Eocene/Oligocene boundary (34 mya) (75)	20% (75)	Species from Aneuretinae, Dolichoderinae, Formicinae, Myrmicinae, Ponerinae, and Pseudoponerinae (12)
Bitterfeld amber	Bitterfeld, Lower Saxony, Germany	Inclusions in coniferous fossil resin	Late Oligocene (23 mya) (33)	N/A	Many taxa (26)

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