

Last updated: 20 May 2025

PULVERRO

Pulverro Pate, 1937b:107. Type species: *Pulverro mescalero* Pate, 1937, by original designation.

Key: N. Smith, 1983.

1. boharti N. Smith

Pulverro boharti N. Smith, 1983:260, ♀, ♂. Holotype: ♂, USA: Wyoming: Sweetwater County: 12 mi south of Green River (UCD). Paratypes: Arizona, Colorado, New Mexico. – N. Smith, 1983:257, 259 (in key to *Pulverro*).

2. californicus Eighme

Pulverro californicus Eighme, 1973:49, ♀, ♂ (as *californica*, incorrect original termination). Holotype: ♀, USA: California: Trinity County: Deer Creek (CAS). – **As *Pulverro californicus***: R. Bohart and Menke, 1976:196 (in checklist of world Sphecidae); Krombein, 1979b:1609 (in catalog of North American Hymenoptera); not included in key to *Pulverro* by N. Smith, 1983.

3. chumashano Pate

Pulverro chumashano Pate, 1937b:118, ♂. Holotype: ♂, USA: California: Santa Barbara County: Lompoc (Cornell Univ.). – Pate, 1939:417 (description of ♀, locality records); Krombein in Muesebeck et al., 1951:964 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:196 (in checklist of world Sphecidae); Krombein, 1979b:1609 (in catalog of North American Hymenoptera); not included in key to *Pulverro* by N. Smith, 1983.

4. coconino N. Smith

Pulverro coconino N. Smith, 1983:261, ♀, ♂. Holotype: ♂, USA: Arizona: Coconino County: Tuba City (CAS). Paratypes: Utah. – N. Smith, 1983:257, 260 (in key to *Pulverro*).

5. columbianus (Kohl)

Ammoplanus (?) *columbianus* Kohl, 1890a:61, ♀. Holotype or syntypes: Canada: British Columbia: Lytton (NHMW). – W. Fox, 1892h:317 (original description translated into English); Dalla Torre, 1897:363 (in catalog of world Hymenoptera); Ashmead, 1898:101 (description of ♂), 1899:222 (in checklist of North American Crabronidae); Rohwer, 1909a:102 (*Ammoplanus eriogoni* may be the male of this species); Gussakovskij, 1931b:437, 458 (not a member of *Ammoplanus*). – **As *Pulverro columbianus***: Pate, 1937b:113 (new combination, in revision of *Pulverro*), 1939:413 (locality records); Krombein in Muesebeck et al., 1951:964 (in catalog of North American Hymenoptera); Evans, 1970:487 (Wyoming: Jackson Hole); R. Bohart and Menke, 1976:196 (in checklist of world Sphecidae, w. USA and sw. Canada); Krombein, 1979b:1609 (in catalog of North American Hymenoptera); N. Smith, 1983:257, 259 (in key to *Pulverro*); Dollfuss, 1989:12 (type material in NHMW); Blades and Maier, 1996:72 (Canada: British Columbia: Osoyoos - Mount Kobau area at 119°40'W 49°05'N); Ratzlaff, 2016:27 (Canada: British Columbia: from Kohl, 1890a and Krombein, 1979); Buck and Bennett, 2025:206 (in checklist of Sphecidae *sensu lato* of Canada, Alaska, and Greenland: Canada: Alberta, British Columbia, and Saskatchewan: no specific locality).

Ammoplanus eriogoni Rohwer, 1909a:101, ♂. Holotype: ♂, USA: Colorado: Florissant (USNM). Synonymized with *Pulverro columbianus* by Pate, 1937b:113.

Pulverro colorado Pate, 1937b:115, ♀. Holotype: ♀, USA: Colorado: Larimer County: Canyon of the Cache la Poudre 20 mi W Fort Collins (ANSP). Synonymized with *Pulverro columbianus* by R. Bohart and Menke, 1976:196. – Pate, 1939:416 (locality records); Krombein in Muesebeck et al., 1951:964 (in catalog of North American Hymenoptera); H. Allen, 1995:16 (type in ANSP).

6. *constrictus* (Provancher)

Anacrabro constrictus Provancher, 1895:141, ♀. Lectotype: ♂ [sic], USA: California: Los Angeles (Laval Univ.), designated by Gahan and Rohwer, 1917:306. – Ashmead, 1899d:222 (in checklist of North American Crabronidae).

As *Ammoplanus constrictus*: Rohwer, 1909a:102 (comparison with *Ammoplanus constrictus*). – **As *Pulverro constrictus*:** Pate, 1937b:120 (new combination, discussion of generic position); Krombein in Muesebeck et al., 1951:965 (in catalog of North American Hymenoptera, as questionable member of *Pulverro*); Krombein, 1958f:189 (corrections to 1951 catalog); R. Bohart and Menke, 1976:196 (in checklist of world Sphecidae); Krombein, 1979b:1610 (in catalog of North American Hymenoptera); N. Smith, 1983:257, 260 (in key to *Pulverro*); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

Pulverro serrano Pate, 1937b:114, ♂. Holotype: ♂, USA: California: Los Angeles County: Altadena (ANSP). Synonymized with *Pulverro constrictus* by Krombein, 1958f:189. – Pate, 1939:413 (description of ♀, locality records); H. Allen, 1995:16 (type in ANSP).

7. *costano* Pate

Pulverro costano Pate, 1937b:116, ♀. Holotype: ♀, USA: California: Santa Clara County: no specific locality (Cornell Univ.). – Pate, 1939:416 (locality records); Krombein in Muesebeck et al., 1951:965 (in catalog of North American Hymenoptera); R. Bohart and Menke, 1976:196 (as new synonym of *Pulverro chumashano* by R. Bohart); N. Smith, 1983:257, 260 (in key to *Pulverro*, valid species).

8. *irwini* R. Bohart and N. Smith

Ammoplanops irwini R. Bohart and N. Smith, 1978:82, ♂. Holotype: ♂, USA: California: Riverside County: 18 mi west of Blythe (UCD). – **As *Pulverro irwini*:** N. Smith, 2012b:213 (new combination).

Pulverro eighmei N. Smith, 1983:263, ♀, ♂. Holotype: ♂, USA: California: San Bernardino County: Kramer Hills (UCD). Synonymized with *Pulverro irwini* by N. Smith, 2012b:213. – N. Smith, 1983:257, 260 (in key to *Pulverro*); S. Frommer, 1988:95 (California: Riverside County: Deep Canyon).

9. *laevis* (Provancher)

Anacrabro laevis Provancher, 1895:142, ♀. Lectotype: ♀, USA: California: Los Angeles (Laval Univ.), designated by Gahan and Rohwer, 1917:306. – **As *Ammoplanus laevis*:** Cockerell, 1898:147 (new combination, New Mexico); Ashmead, 1899d:222 (in checklist of North American Crabronidae), 1903:295 (comparison with *Ammoplanus cockerelli*). – **As *Pulverro laevis*:** Pate, 1937b:120 (new combination, taxonomic history); Krombein in Muesebeck et al., 1951:965 (in catalog of North American Hymenoptera, as questionable member of *Pulverro*); Krombein, 1958f:189 (in supplement to catalog of North American Hymenoptera); R. Bohart and Menke, 1976:196 (in checklist of world Sphecidae); Krombein, 1979b:1610 (in catalog of North American Hymenoptera); N. Smith, 1983:257, 260 (in key to *Pulverro*).

10. *mescalero* Pate

Ammoplanus mandibularis Ashmead in Cockerell, 1898a:148. Nomen nudum. Synonymized with *Pulverro mescalero* by Pate, 1939:411. – Pate, 1937b:124 (discussion of name).

Pulverro mescalero Pate, 1937b:111, ♀, ♂. Holotype: ♂, USA: New Mexico: Otero County: High Rolls (ANSP). – Pate, 1939:411 (synonymy, locality records); Krombein in Muesebeck et al., 1951:965 (in catalog of North American Hymenoptera); Krombein in Krombein and Burks, 1967:397 (Texas); R. Bohart and Menke, 1976:197 (in checklist of world Sphecidae); Krombein, 1979b:1610 (in catalog of North American Hymenoptera); N. Smith, 1983:257, 259 (in key to *Pulverro*); H. Allen, 1995:16 (type in ANSP); Ruíz Cancino, Coronado Blanco, Varela Fuente, and Horta Vega, 2002:667 (in checklist of Mexican Sphecidae).

As *Ammoplanus* sp.: Cockerell, 1897a:402, corrected to *Pulverro mescalero* by Pate, 1939:411.

11. *mexicanus* N. Smith

Pulverro mexicanus N. Smith, 1983:264, ♂. Holotype: ♂, Mexico: Oaxaca: 3 mi southeast of Yuhuitlán (USU). Paratype: Mexico: Coahuila. – N. Smith, 1983:257 (in key to *Pulverro*).

12. *monticola* Eighme

Pulverro monticola Eighme, 1969:263, ♀, ♂. Holotype: ♂, USA: California: Siskiyou County: Bear Basin (CAS). – Eighme, 1971:234 (correction to original description); R. Bohart and Grissell, 1972:145 (prey, description of larva); R. Bohart and Menke, 1976:197 (in checklist of world Sphecidae); Krombein, 1979b:1610 (in catalog of North American Hymenoptera); N. Smith, 1983:257 (in key to *Pulverro*).

13. *patei* N. Smith

Pulverro patei N. Smith, 1983:264, ♀, ♂. Holotype: ♂, USA: Arizona: Navajo County: Hotevilla (UCD). Paratypes: Utah. – N. Smith, 1983:257, 260 (in key to *Pulverro*).

14. *wasbaueri* N. Smith

Pulverro wasbaueri N. Smith, 2022:189, ♀, ♂. Holotype: ♂, Mexico: Baja California Sur: Rancho Tablón area 13 km south of Guillermo Prieto (California Department of Food and Agriculture). – N. Smith, 2022:194, 195 (in key to *Pulverro*).

sp.

Weissmann and Kondratieff, 1999:78 (Colorado: Great Sand Dunes National Monument).