

***Echeveria boyacaensis* Reyes, Islas and Anguiano sp. nov.**

**Holotype:** Colombia. Tundama [Dept. Boyacá]. Loc. Santa Rosa de Viterbo, Sendero de Las Lajas, near the La Calera mine or San Antonio mine, 4 km E of Duitama and 2 km E of the Boyacá town, 2900 m, 14.VIII. 2024. J. Reyes, A. Islas, O. Anguiano, D. Giraldo-Cañas, A. Bohórquez Joya, H. Largo, JE-9574 COL.[COL-635103].

*Echeveria boyacaensis*; *E. ochoae* Pino et Galiano similis sed inflorescentia longiore, corolla brevior, carpellis bicoloribus (vs. albis), stylo purpureo (vs. viridi), stigma purpureo (vs. albo), nectariis eburneo-luteolis (vs. albis) differt; *E. intiwaytae* Pino et Payano similis sed caule longiore, corolla basi pallide rosea, lutea apicem versus (vs. Atro-rubra), carpellis bicoloribus (vs. albis), stylo purpureo (vs. viridi), nectariis reniformibus (vs. lunatis) differt (22).

**Description**

Herbaceous, perennial, glabrous, solitary to often caespitose plant. Main root thick, secondary roots

fibrous. *Stems* erect to decumbent, tortuous, greyish, to 30 cm long, 9–13 mm thick. *Rosette* lax, 6–12 cm in diameter, *leaves* 4–5 cm long, 1.5–2.5 cm wide at widest part, oblanceolate, base amplexicaul, pruinose, crass, underside keeled, margin entire, apex obtuse, mucronulate. *Flowering stem* erect to slightly recurved, pinkish-green, 1–2 per rosette, up to 38 cm long including inflorescence, 3–5.5 mm thick near base with oblanceolate leaves, ascending, slightly recurved toward tip, mucronulate, 2–3.5 cm long, 1–1.5 cm wide, pruinose, sometimes reddish, apex mucronulate. Inflorescence racemose, up to 17-flowered, bractlets oblanceolate, 2–3 cm long, 0.5–1 cm wide, pruinose, base spurred, margin entire, apex acute. *Pedicels* pink, 1.2–1.5 cm long, ca. 2 mm thick. Calyx of 5 *sepals*, basally fused, lobes lanceolate, unequal to each other, 8–11 mm long, 3–4 mm wide, pruinose, margin entire, apiculate. *Corolla* campanulate, pentagonal, 1–1.3 cm, ca. 8 mm wide near base, *petals* lanceolate, fused at base, imbricate, dorsally keeled, pale pink near base and yellow toward apex, inner face yellow entirely, ca. 3.5 mm wide near base. Androecium inset, *filaments* yellowish, 5 antiseptal stamens, ca. 5 mm long,

(15)

(16)

(17)

(18)

(19)

**Table 4: Comparative table of *E. boyacaensis*, *E. ochoae* and *E. intiwayta***

		<i>Echeveria boyacaensis</i>	<i>Echeveria ochoae</i>	<i>Echeveria intiwayta</i>
<b>Stem</b>	Length (cm)	Up to 30	Up to 50	15–5
	Diameter (cm)	0.9–1.3	0.5–1.5	0.8–1.2
<b>Rosette</b>	Diameter (cm)	6–12	4–12	4.5–8.5
<b>Leaves</b>	Form	(16) Oblanceolate, base amplexicaul, pruinose, <u>crass</u> , underside keeled, margin entire, apex obtuse, mucronulate	Obovate to spatulate, flat to concave, yellow to olive green to glaucous green, reddish near margins and on outermost leaves	Ovate when young, on mature leaves obovate on central leaves and narrowly obovate on peripheral leaves
	Length (cm)	4–5	2–8	3–5
	Width (cm)	2.5–2.5	2–4	1.4–2.3
<b>Flowering stem</b>	Number per rosette	1–2	1–3	1–2
	Length (cm)	Up to 38	15–20	12–18
<b>Inflorescence</b>	Type	Racemose, up to 17 flowers	Racemose with 6–12 flowers	Racemose with 8–14 flowers
<b>Pedicels</b>	Length (mm)	12–15	8–25	1–6
<b>Sepals</b>	Form	Unequal, lanceolate, pruinose, apiculate	Unequal, ovate, acute to triangular, adpressed	Unequal, oblong to narrowly ovate, acute, ascending or spreading, convex on both sides
	Length (mm)	8–11	5–6	7–9
	Width (mm)	3–4	3–4	2.5–4–5
<b>Corolla</b>	Form	Bell-shaped, pentagonal	Urceolate, subpentagonal	Subpentagonal
	Colour	Pale pink near the base and yellow toward the tip	Pink at the base and light yellow in the apical third	Outer surface dark red pruinose, proximal half sometimes orange, recurved apex, dark red, inner surface light