

173. *Terebra guayaquilensis* (E. A.

Smith, 1880)

(Pl. 45, figs. 173a,b)

- 1873 *Myurella belcheri* E. A. Smith, Ann. Mag. Nat. Hist. Lond. 11:267; [non *Terebra belcheri* Philippi, 1851]
- 1880 *Myurella guayaquilensis* E. A. Smith, Proc. Zool. Soc. Lond. p. 481. (nom. nov. pro. *Myurella belcheri* E. A. Smith, 1873)
- 1932 *Terebra (Strioterebrum) ira* Pilsbry & Lowe, Proc. Acad. Nat. Sci. Philadelphia 84:40, pl. 1, fig. 13.
- 1979 *Terebra guayaquilensis* (E. A. Smith), Bracher, Velliger 22(1):62, fig. 2.c; 1984 Aubry, Terebridae pl. 13.

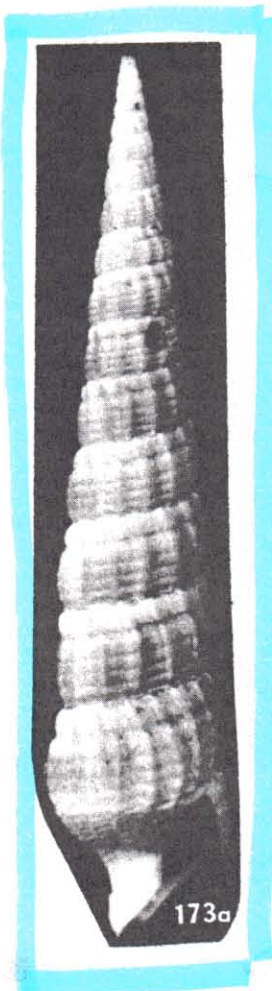
Description: Size to 76 mm; color white to beige, often with yellowish blotches or bands; outline of whorls convex, protoconch of 1½ whorls; subsutural band convex, noded, defined by groove between ribs, cutting lightly over ribs; sculpture extremely variable; axial ribs sometimes close-set, usually widely spaced; spiral grooves, as few as 3 per whorl, not overriding ribs; or there may be up to 5 heavy spiral cords, overriding the ribs to form small beads at the intersections; sutures deep, aperture moderately quadrate; columella recurved.

Type locality: *T. guayaquilensis*, "Guayaquil, Ecuador"; *T. belcheri*, same; *T. ira*, "Mazatlan," Mexico.

Distribution: From the outer coast of Baja California, Mexico, to Ecuador; intertidal to 180 m.

Type: *T. guayaquilensis* holotype BM(NH) no. 1844.6.7.77, 38.0 mm; *T. belcheri* same; *T. ira* holotype ANSP no. 155280, 20.3 × 4.6 mm.

Discussion: Although it has a larger, heavier, less delicate shell than that of *T. elata* (172), it was confused with the latter for a time because the early sculpture of both species is extremely similar, except that the early whorls of this species have not been seen with a purple hue. For comparison refer to *T. elata* (172). 3-173-151

173a,b, *T. guayaquilensis* (E.A. Smith). 173a,

Holotype British Museum (N.H.) No. 1844.6.7.77.; 38.0 mm.

GUAYAQUILENSIS (L)

EA SMITH 1880

(V)

(173)

Re-examination of the type specimens, after my becoming more thoroughly familiar with eastern Pacific terebrid fauna, cleared up a problem concerning *Terebra elata* Hinds, 1844. The 2 forms illustrated as *T. elata* by BRATCHER & BURCH in KEEN (1971) actually prove to be separate species. The true *T. elata* Hinds is the smaller, more finely sculptured one. The larger, more coarsely sculptured one is *T. guayaquilensis* E. A. Smith, 1880.

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Terebra guayaquilensis E. A. Smith, 1880

(Figure 2) h (2)

- Terebra belcheri* E. A. SMITH, 1873: 267 [non PHILIPPI, 1852]
- Terebra guayaquilensis* E. A. SMITH, 1880: 481
- Terebra ira* PILSBRY & LOWE, 1932: 40, pl. 1, fig. 13; KEEN, 1958: 492, fig. 966
- Terebra elata* Hinds, BRATCHER & BURCH in KEEN, 1971: 676, fig. 1635 [left fig. only]

Description of Species: Size medium to 41 mm; base color white to beige, often with yellowish blotches or bands; outline of whorls convex, with convex subsutural band; protoconch of $1\frac{1}{2}$ smooth, glassy, embryonic whorls; sculpture of early whorls of teleoconch of many fine, sharp, slightly curved axial ribs narrower than interspaces, containing about 5 spiral grooves that may or may not faintly cross ribs; groove marking subsutural band appearing at about 4th whorl of teleoconch; sculpture of later whorls extremely variable, some individuals having strong wide-spaced spiral grooves, as few as 3 per whorl, not overriding ribs, others having as many as 5 heavy spiral cords, overriding ribs to form small beads at intersections; ribs sometimes close-set in early whorls, usually becoming wide-spaced later; sutures deep, with subsutural groove usually cutting through axial ribs; axial sculpture of body whorl fading at periphery in some individuals; spiral sculpture continuing to anterior of shell; aperture semiquadrate; columella recurved, with faint basal fold; siphonal fasciole striate, with sharp keel.

Type Locality: Guayaquil, Ecuador.

Type Specimen: Holotype, British Museum (Natural History) no. 44.6.7.77, length 38.0 mm

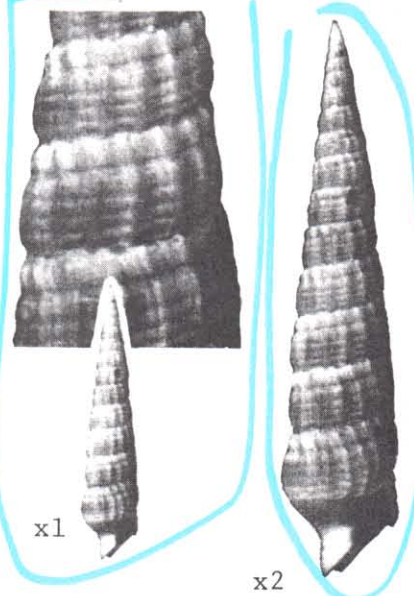
Discussion: A very young specimen of this species could be easily confused with *Terebra elata* Hinds, as the early sculpture is fine; both species have similar protoconchs and about the same apical angle. *Terebra guayaquilensis* has not been observed with the purple early whorls of the teleoconch that occurs in many specimens of *T. elata*. *Terebra guayaquilensis* becomes a larger shell in its maturity and develops much coarser and more variable sculpture in its later whorls. *Terebra elata* has a shinier shell.

BRATCHER 1974 Volij. Vbl 22(1) : 62-



Figure 2

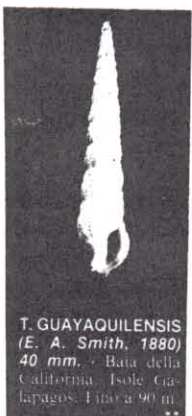
Figure 2: *Terebra guayaquilensis* E. A. Smith, 1880 nom. nov. pro *Myurella belcheri* E. A. Smith, 1873 [non *Terebra belcheri* Philippi, 1851] Holotype, BM[NH] no. 44.6.7.77



I take this opportunity of changing the name of a species described by me in the 'Annals and Magazine of Natural History,' ser. 4, vol. xi, p. 267 (1873), as *Myurella belcheri*, as that name had already been employed by Philippi for another species. In its stead I now propose *guayaquilensis*, as the type specimen was collected by Sir Edward Belcher at Guayaquil, in Ecuador. *E.A.S. 1880 p. 481.*

White to beige; may have yellowish markings; to approx. 41 mm. Do not confuse with *T. elata* (q.v.) which is generally smaller, much shinier and somewhat narrower. (BMNH type coll. 44.6.7.77)

Terebra guayaquilensis
E. A. Smith
PANAMA & ECUADOR S.K.



AGRY PL 13

Terebra specillata guayaquilensis E. A. Smith
Plate 3, figure 33

Myurella belcheri E. A. SMITH, 1873, Ann. Mag. Nat. Hist., ser. 4, vol. 11, p. 267.

Not *Terebra belcheri* Philippi, 1851.

Myurella guayaquilensis E. A. SMITH, 1880, Proc. Zool. Soc. London, p. 481. New name for *Myurella belcheri* E. A. Smith, 1873, not [*Terebra*] *Myurella belcheri* Philippi, 1851.

TYPE LOCALITY: "Guayaquil, Ecuador."
RANGE: Off Cape Pasado to Guayaquil, Ecuador.

MATERIAL EXAMINED: Two specimens from two stations:

PANAMA

Piñas Bay, February 24, 1941, Station 19, [sample 35], 14-33 meters, 1 specimen.

ECUADOR

Off Cape Pasado, latitude 00° 31' 00" S., longitude 80° 35' 00" W., April 14, 1941, Station 81, sample 307, 15 fathoms, 1 specimen.

MEASUREMENTS: Larger specimen: length, 58.2 mm.; maximum diameter, 11.4 mm.

HABITAT: Bottom of mud and live shells.

REMARKS: The type specimen of this species has never been illustrated. According to E. A. Smith, this form differs from *Terebra specillata* in the greater coarseness of the longitudinal ribs which are cut by sulci, and the color is dilute red. He also believed that the whorls were shorter and the columella was less straight. Tryon considered Smith's species to be a synonym of *T. specillata*. The color of the present specimens is dark brown, although it may have been reddish originally.

The occurrence of this subspecies in Piñas Bay, Panama, is an extension north of the known range. H & S 1955 p. 15



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33. *Terebra specillata guayaquilensis* E. A. Smith.
A.M.N.H. No. 73451, X1.25; off Cape Pasado, Ecuador, 15 fathoms.

95. *guayaquilensis, Terebra* - E. A. SMITH, 1880, P. Z. S. L., p. 481 (nom. nov. pro *Myurella belcheri* E. A. SMITH, 1873 - non *Terebra belcheri* PHILIPPI, 1851). For types see under *Myurella belcheri* E. A. SMITH; this appears to be an earlier name for *Terebra montioensis* PILSBRY & LOWE, 1932. C 69