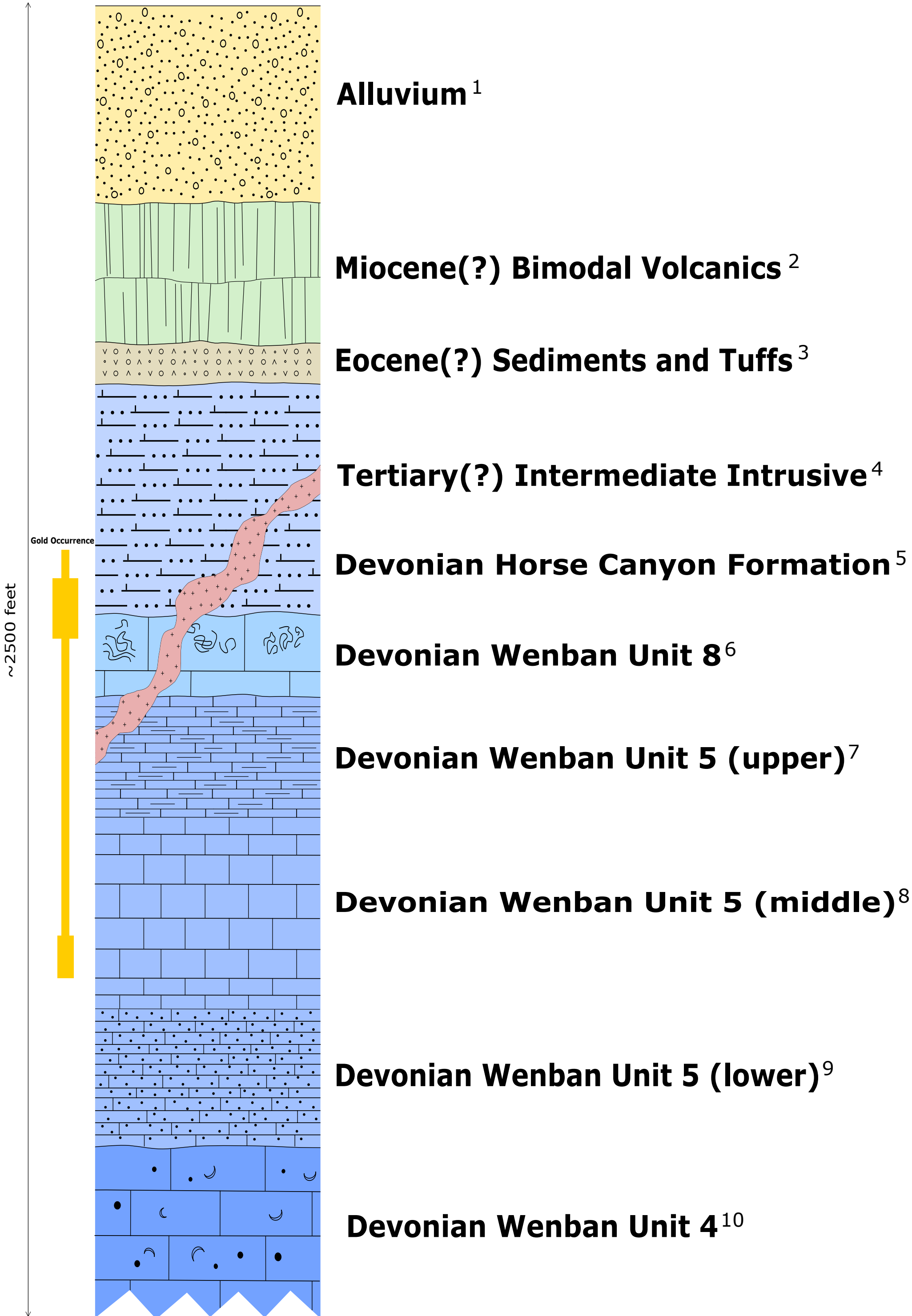


Avocado Strata



Avocado Strata Descriptions

- 1 **Alluvium:** Poorly sorted, unconsolidated accumulation of sands and gravels of limestone, chert, jasperoid, siltstone and basalt in a moderately indurated clay matrix
- 2 **Miocene(?) Bimodal Volcanics:** Thick flows of flow foliated mafic volcanic with an aphanitic plagioclase groundmass and very finely crystalline magnetite, locally argillized, interbedded with thinner intermediate flows with an argillized groundmass with abundant ovoid vugs with calcedonic amygdules
- 3 **Eocene(?) Interbedded Sediments and Tuffs:** Interbedded thinly laminated clays, fine grained clastic sediments, and ashy, vuggy, crystal and lithic rich tuffs.
- 4 **Tertiary(?) Intermediate Intrusive:** Felsic intrusive with equigranular phaneritic groundmass and feldspar and quartz phenocrysts up to ~0.3 mm. Strongly bleached, weakly to moderately argillized and with up to 1% disseminated pyrite.
- 5 **Devonian Horse Canyon Formation:** Thinly bedded argillaceous siltstone to calcareous siltstones interbedded with chert and limestone pebble conglomerates. Local soft sediment deformation.
- 6 **Devonian Wenban Unit 8:** Thick to massive bedded, light to medium gray fossiliferous grainstone, packstone, coral bafflestone, and algal boundstone with interbedded wackestones, particularly in lower portion of unit. Fossils include spaghetti coral (amphipora), well developed oncolites, rugose coral, favosites, stromatolites, crinoid hash, and brachiopods.
- 7 **Devonian Wenban Unit 5 (upper):** Thin-bedded, platy, dark to reddish gray, quartz sandy/silty limestone (wackestone/packstone) with partings of argillaceous limestone or fissile calcareous siltstone/shale. Locally contains fish parts or detrital grains of hematitic material.
- 8 **Devonian Wenban Unit 5 (middle):** Thin to medium-bedded, non-fossiliferous, dark gray wackestone/micrite, with minor packstone/grainstone and silty/argillaceous partings. Thicker beds have wavy laminations.
- 9 **Devonian Wenban Unit 5 (lower):** Thin to thick-bedded, mostly non-fossiliferous medium to dark gray silty to sandy wackestone/micrite, With a few 2 foot to 6 foot thick debris flow and grainstone beds near base and scattered throughout lower half of unit. Commonly planar laminated, some wavy laminations and hummocky cross stratification in middle portion with local quartz arenite lenses.
- 10 **Devonian Wenban Unit 4:** Thin to thick bedded, interbedded wackestone with fossiliferous packstone to grainstone beds of abundant crinoid hash, trilobites, corals and brachiopods. Top of unit is a ~20-30m thick series of thin to medium bedded grainstones with large ~1-3 cm articulated brachiopods. Gradational contact with upper silty lenses