

The slabs making up the low, north-south trending interior division in the center of the site are of a similar size to those of the northern face (Table 1). The mean width (height when set upright) of 0.21 m is a minimal value, as the stones are set in the ground and their full heights could not be ascertained without excavation.

#### *Cut-and-Dressed Scoria Slabs*

The exact number of reddish scoria slabs on the site is not known; we measured 12 of these slabs, but there are many smaller ones scattered about the site which we did not have time to count or measure. The most prominent scoria slabs are those making up the intact facing along the eastern edge of the site. The largest of these is an impressive 2.91 m long, with an exposed height of 0.36 m (the slab is partially buried), and thickness varying between 0.41 and 0.71 m. Another scoria slab is almost as long at 2.59 m, and a third is 1.68 m long. The original use of the many scattered, smaller scoria blocks found around the site is uncertain, but it is conceivable that these were set in an upper course that capped the main facade of cut-and-dressed basalt slabs.

The quarrying and moving of the very large scoria slabs must have required considerable skill and labor. According to [Patty \(1971:8\)](#), scoria ranges in weight from about 41 to 58 pounds per cubic foot. The largest scoria slab at Kukuipahu has an estimated volume of 0.73 m<sup>3</sup>, which calculates to a total weight of about 589 kg (1300 pounds).

#### *Petroglyph Boulder*

An additional feature of note is an elongated, naturally prismatic slab of basalt (about 2 m long) ornamented with raised-relief depictions of three anthropomorphs and two turtles. The slab is presently lying on some rubble boulders along the western edge of the site, but this may not have been its original position. The figures are difficult to discern in the bright sunlight, and we did not have time to make a detailed recording of the glyphs. [Figure 12](#)



Fig. 12. The elongated petroglyph stone with raised-relief anthropomorphic and turtle motifs.

shows both anthropomorphic and turtle motifs. The most significant aspect of this petroglyph boulder is the fact that the motifs are executed in raised relief, which is a rare technique in Hawai'i, where most petroglyphs were pecked into the stone.