

1. Charles Langlas and Aku Hauanio spent the day walking the coast from the boundary of the present lava flow in Pānau Iki to Kahue. Laura Schuster met us at Kealakomo.

Primarily, C.L.Langlas was recording locations of fishing spots and named places known to A.H. Photos were taken of the spots, denoted by numbers in parentheses entered in the notes and on the back of the photos (1-21 to 2-18).

2. Pānau coast along the highway, starting at the boundary of present lava flow and travelling west

a. We looked for the lae ulua (point for fishing for ulua by the hang stick method) used by Kua`iwi Kahookaulana (deceased father of Sam Kahookaulana), already mentioned by Aku in KR5 interview. Aku wasn't totally sure of the location: "It's been a long time since Kua`iwi died" and nobody has gone there since. We found a C-shape fisherman's shelter in the area (Photo 1-21 & 22), with a spot 75' further west that looked good for fishing for ulua by the hang-stick method. (The method requires a crack near the edge of the pali to hold the butt end of the `ōhi`a stick.)

b. 45 (named after the 45 mph speed limit sign, photos 2-15 of pipe & 16 of area)--See Interviews Akul & BH3 for further information.

c. MP18 (not named, photos 2-17 of c-shape shelter & 18 of boards for cutting bait inside shelter)--See Interview BH3 for further information.

Aku thought the place his father showed him in the 1980s was farther west than Ben's spot, where the pali is lower. But he couldn't locate the spot, or find a crack for the pole. He thought Ben's spot looked like a good one.

c. We met two fishermen ready to walk out to Twenty Minutes-- Gilbert Wai`au (son of Simeon Wai`au, he now lives at Kaimu, the house in back of Paulette Wright's) and friend Russell. They were going to camp overnight at closest parking pullout.

d. Before we got to P\_nau, I mentioned to Aku it seems like different fishermen used different lae ulua. he said yes, you go where you have luck.

3. Trail along the coast from the parking turnout at the inward bend of the highway to Twenty Minutes--on to Kahue

a. Twenty Minutes (same place I went with Ben Hauanio on BH3): We saw the old salt-alignments, makai of them a C-shape fisherman's shelter (Photos 2-3 & 4). On the Ka`\_ side of the shelter we saw a possible place for hang-stick and a bait cup for pounding palu (Photos 2-1 & 2). Aku pointed to a group of "bogot" (humuhumunukunuku) in the water, hanging out. He thought maybe somebody had been fishing & they were eating the bait left in the water. Aku said there's a submerged crater at the location, that's why there's so many fish, good for poling--big fish come into the deep water close to shore.

Aku only knows of fishermen coming to Twenty Minutes to slide-bait for ulua, not hang stick; but he wondered about the bait cup. Said you don't pound palu for slide-baiting, just send out a whole puhi or live he'e pali on the line.

Inland was a long crack. Aku said there was water down below--we finally saw it in one spot--where they used to get water by lowering a bucket (Photo 1-25). (You can't climb down.) We saw a lot of trash thrown into the crack.

b. Twenty Minutes to Ka`ena Point to Kealakomo

Moi hole 1--he used to use it, but filled w. rocks since 1975 earthquake

Ka`ena Point--you can still see the old shoreline there that was submerged by the 1975 earthquake/subsidence (Photo 2-5). It's shallow, has limu, moi and \_holehole. thrownet for moi and \_holehole? looks possible but Aku never tried

Moi hole 2 (Photo 2-6)--he used to use it, then filled w. sand in the 1980s after lava flow. We noted the sand has been taken out by storm.

Aku said a new limu has come in recently and taken over from other limu (Photos 2-7 & 8). It doesn't seem to be eaten by anything. Where there's lots of it, little `opihi, h\_`uke`uke or anything else. Elsewhere there was quite a bit of `opihi.

Moi hole 3--couldn't find it. Aku was told by Boa Kahookaulana that a boulder had fallen into it.

c. Kealakomo--We waited there for Laura, then walked straight across the lava w/o looking at the coast. Aku said there was nothing of significance on the coast until we reached the Ka`\_ side of the Mauna Ulu flow, about at the Kahue boundary.

d. Kahue--here the lava flow has not completely covered the coast. Aku showed `aholehole holes he used for thrownet (Photos 2-10,11). Just west was a c-shape shelter (Photo 2-12) and a lae ulua marked by a spike (Photos 2-13,14). Aku hasn't tried the lae ulua.

(1/17/99 Aku says there are 2 moi holes between the poho \_holehole and the lae ulua he forgot to show me.)

Aku and Laura don't know the old fisherman's shack and waterhole used by Kaipu Roberts and others. We found a site which was probably it, partially covered by lava flow (no photo). There Laura saw glass bottles (c. 1910). There were remains of redwood, motly fallen inside, probably the former roof. (Note that Kaipu said that they replaced the tin roof with wood, which lasted better.) Site was clearly a historically-used house, with a p\_hale, now partly covered by the lava flow. The old waterhole cannot be seen, apparently covered by the flow. But there are plenty of patches of naupaka, said to indicate water sources under the lava.

We didn't walk on to the old goat corral about 1/4 mile farther west. Aku said the bay there (mentioned by Kaipo Roberts as good for poling) is now filled with sand and no longer good for poling.

4. Aku's father retired c. 1978. He made a new trail over the Mauna Ulu flow (1969-75) before he retired.

When Aku was young, his father lived at Volcano during the week & the family lived at Kalapana. sometimes they went up to Volcano for the weekend, to watch TV (since no electricity at home in Kalapana). Map below shows their house.

5. High Castle--named after the rock wall there built by CCC, place now covered by lava flow, w. a lae ulua on high pali that was used by Gilbert Hauanio (see interview). Edmond Kaawaloa went there for pounding `opihi, lowered himself down w. rope to pick.

6. At `Apua point Aku's father went pipi ulua on the Hilo side of the point. It's sunk too low to use now.

7. trails--Laura and Aku talk about three trails running along the coastal plain, one at the coast, one mauka running through Pu`uloa petroglyph field, another in between

Laura says the Kalapana-Volcano trail has/had curstones, was wide enough for narrow horse carriage perhaps

8. Aku spoke of Maraea Roberts and Annie Quihano (mother of Becky pau): they worked hard, walked like a man, went everywhere w/o shoes so they had tough feet.