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Cut, only a few miles from the Miraflores locks.

In hard hats, fluorescent vests, and work

boots, two of Jaramillo's researchers walk down the excavated tiers of earth for about 15 minutes before they reach the lowermost level closest to the canal. They navigate the mud and uncover one by one small areas of dirt that have been flagged and covered with plastic tarp. A week before, someone spotted the bones of what they have identified as crocodile vertebrae. Javier Luque, an intern in Jaramillo's lab, leans over the bone sticking up from the soil, a sample the size of his palm. He says it will take them probably another week to uncover the rest of the spine, and they don't know how intact it will be.

The abundance of fossils in just a 100-meter stretch of exposed soil is immense; in one layer of sediment and within about one square meter plot they found roughly 80 crab carapaces, representing eight species. The day before, they found what appears to be a megaleaf thought to be at least 20 million years old. The researchers will be able to date the rock samples they collect by the foraminifera embedded in them; the foraminifera have a well-defined evolutionary tree, so they will act as ticks on the geologic timeline of the region.

Other bones abound. Jaramillo's team has found dolphin ribs, rhinoceros bones, and carnivorous jaws. But as trucks roar on the levels above, and rivulets of water running down the excavation site make walking a challenge, it's hard to imagine being able to spot the remnants of ancient life. "It's very hard," says Luque. "But after a while you get an eye for it."

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