

What is going on right there?

- [Assistant] Are we sure this isn't crocodilian?

- That's not crocodilian.

- No.

- [Assistant] I'm gonna try this piece right here.

I'll go in from the top and then twist up and it separates right on that line.

- [Robert] Oh, that's skin right there.

That's actually scaly skin.

No, no, no, no, no.

Look, look, look.

Look at that pattern right there.

Have you ever seen any elongated scales like that before Dave?

- [Dave] Scutellates in birds.

- Just careful.

Oh my God.

- [Robert] It's changing again.

We've seen it for the first time in 66 billion years.

I think we've got ourselves a dinosaur.

A dinosaur fossil in the same mass death assemblage as a fish with spherials in their gills.

- This is the most incredible thing that we could possibly imagine here, the best case scenario.

We're excavating this mass death layer of fish from the surge sent up by the impact.

And we've got dinosaur remains.

The one thing that we would always want to find at this site and here we've got it.

This is unreal.

I cannot process this in my brain.

No, I am absolutely blown away by this.

Just my heart is literally pumping out of my chest, wondering what is behind there?

Just a couple centimeters back in the outcrop, what is waiting for us back there?

- [Assistant] This is amazing.

The team keeps digging.

- [Dave] So this could be a rib cage.

It could be laying against ribs that are curved.

- [Robert] There's something here.

That's hard.

That's bone right next to the skin.

- [Assistant] But that's an articular surface right there, so this is either a hip or a shoulder element.

After hours of painstaking work.

- [Robert] And we can go from the thigh of the animal, there's the knee, and then you've got the little calf muscles of the dinosaur over there, bulging out, and you go down to the ankle bones, and these are the toes of the feet.

We've got nails of the tips of the toes.

It's a beautifully preserved leg, all articulated covered with skin.

The complete leg of a dinosaur.

- [Robert] In my wildest dreams, I never expected to find a dinosaur leg in this deposit.

- Yeah, and then it's got skin and tissue.

It does look just like a drum stick.

- [Robert] It looks like a Thanksgiving turkey just laid out in the ground.