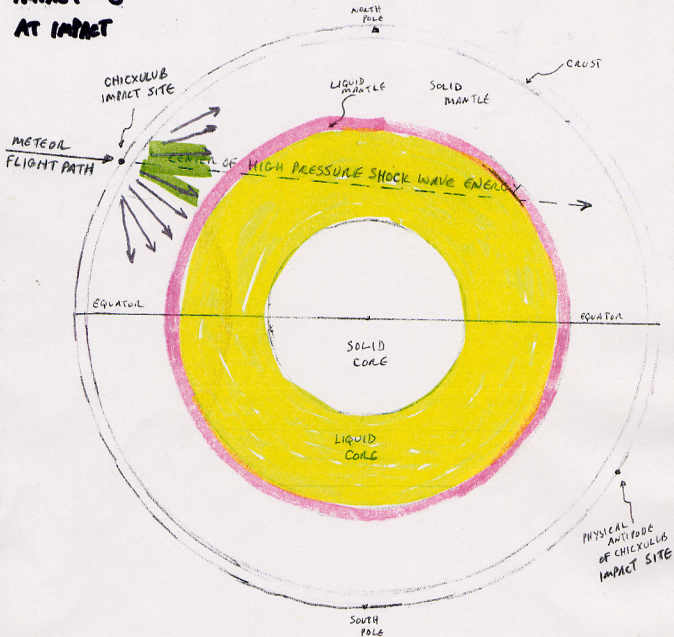


IMPACT # C AT IMPACT



IMPACT # C

At impact, the Chicxulub impact object will exhibit shock wave characteristics because its speed is in the range of 20,000 to 40,000 mph, whereas the threshold level for shaped charge shock wave characteristics is less than 3,600 mph.

Because of the extreme high speed of the impact object, it is possible that the object may even have acted as a penetrator (as happens with shaped charges).