To change a Raster projection from current to a new projection (2nd option)

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Here is what I did here

The projection is in

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Now if you want to re-projection to a different one.

You need to clear out the coordinate system within ArcGIS. Here is how

Go to the Data Frame Properties \rightarrow Coordinate System \rightarrow

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Double check that there is no projection

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Now Go back to your Data Frame Properties:

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Hit the apply button and then it will ask you Warning Just hit Yes.

See the result here



It is now in a different coordinate system however the raster data is still in the UTM 13 Zone. All you need to do is export the raster



See example it is in NAD UTM 13 Zone

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Press Ok. Wait for the result to be finished and then review your raster source Example here

Everyone might have their opinion but here I am trying to help.