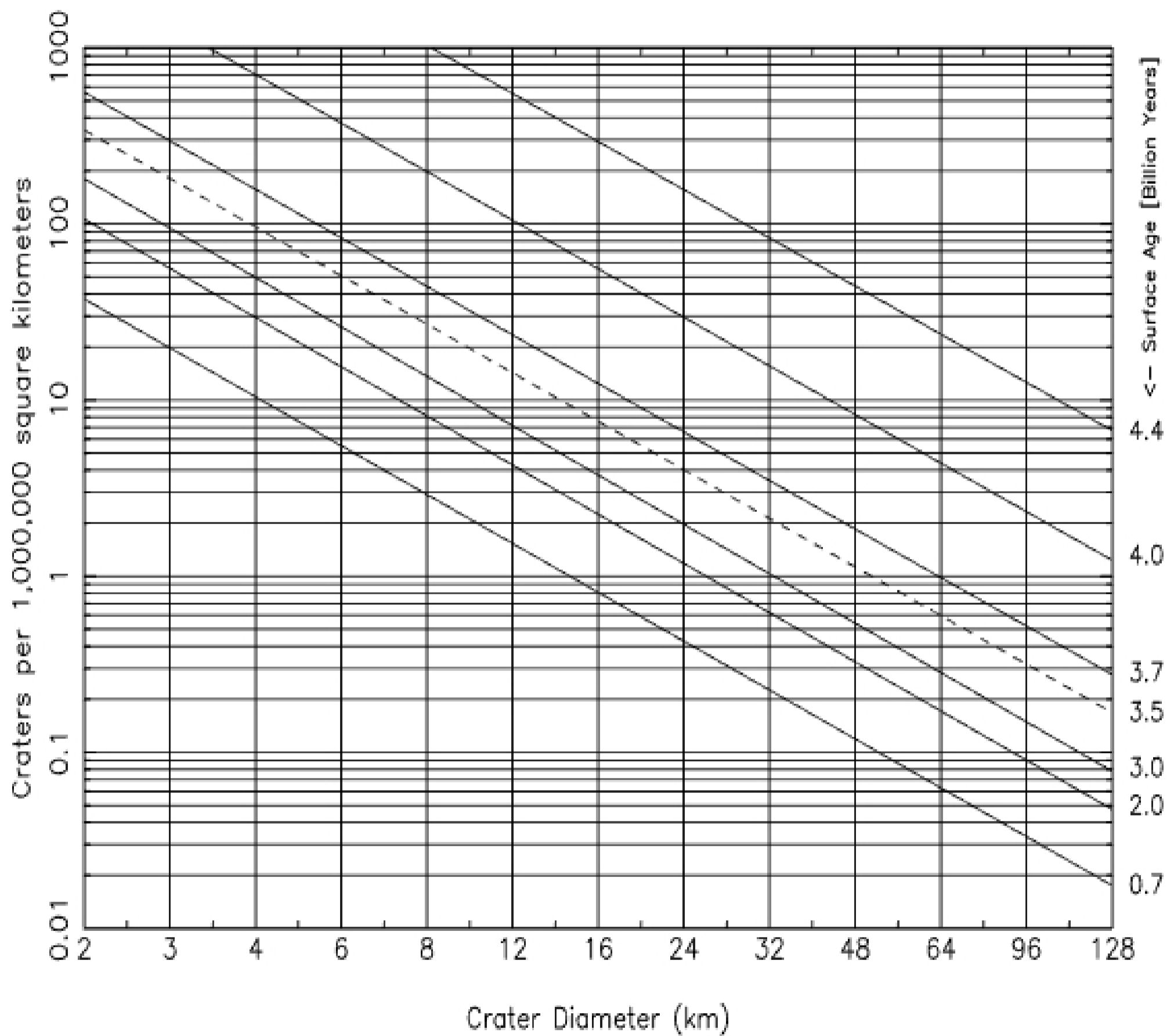


Martian Crater Density Data Table

Crater size range (km)	Northern Hemisphere		Southern Hemisphere	
	Number of Craters in Image	Number of Craters in 1,000,000 km ²	Number of Craters in Image	Number of Craters in 1,000,000 km ²
< 8				
8 - 16				
16 - 32				
32 - 64				
64 - 128				



1) Martian Northern Hemisphere Surface Age = billion years old

2) Martian Southern Hemisphere Surface Age = billion years old

3) How accurate do you believe your estimate of the age of the surfaces are – for each surface, what are the oldest and youngest ages that fit your data? Be quantitative (*e.g.* ± 1 billion years).

4) Based on your data, do you think you could tell the difference two surfaces 100 million years apart in age? Why or why not?

5) Describe one way that you could increase the accuracy of your age determination.

6) Currently the state of Washington has zero 5 km impact craters. What happened to them?

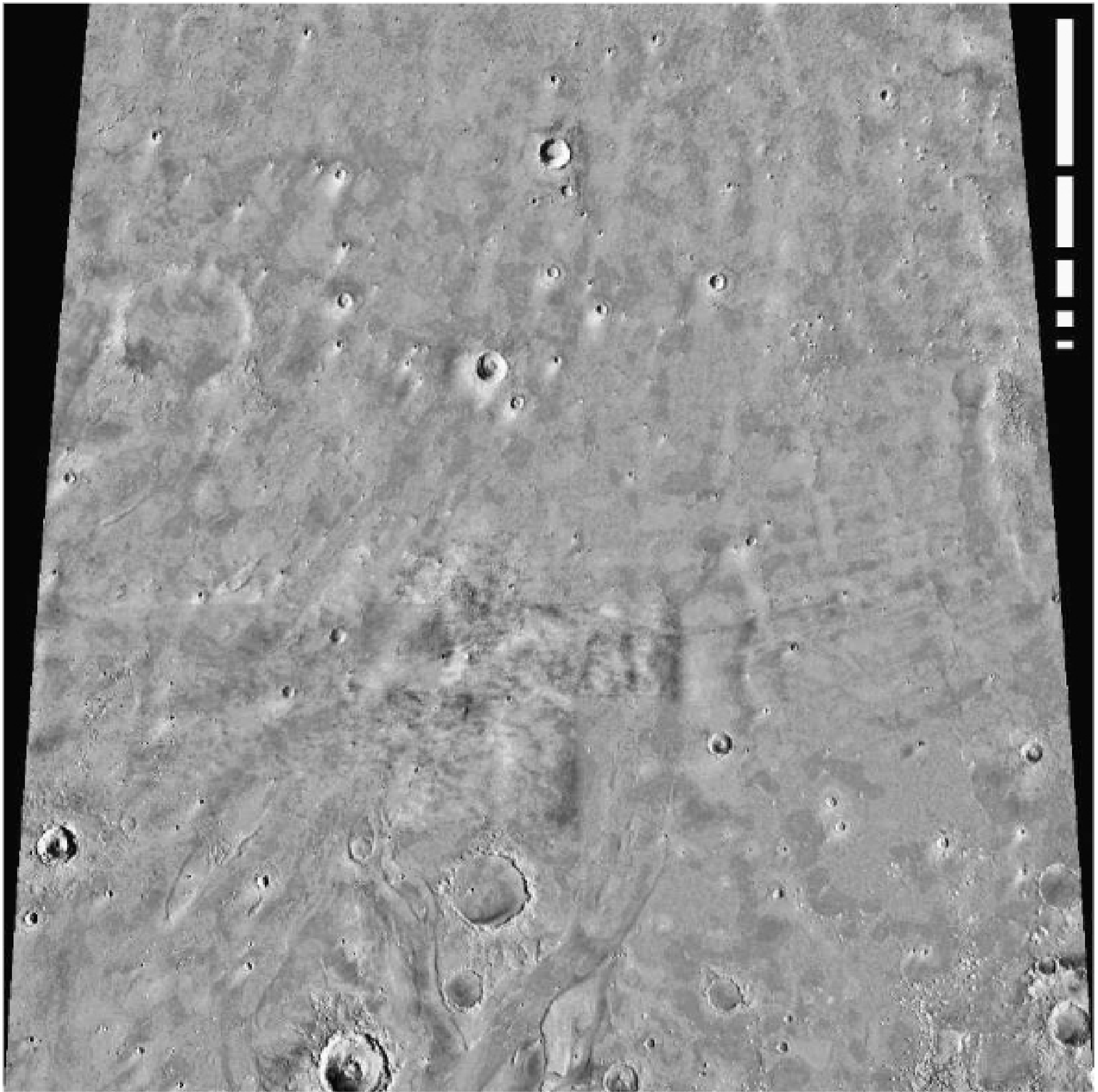


Image Scale



Martian Northern Hemisphere - Image Size = 812,250 km²