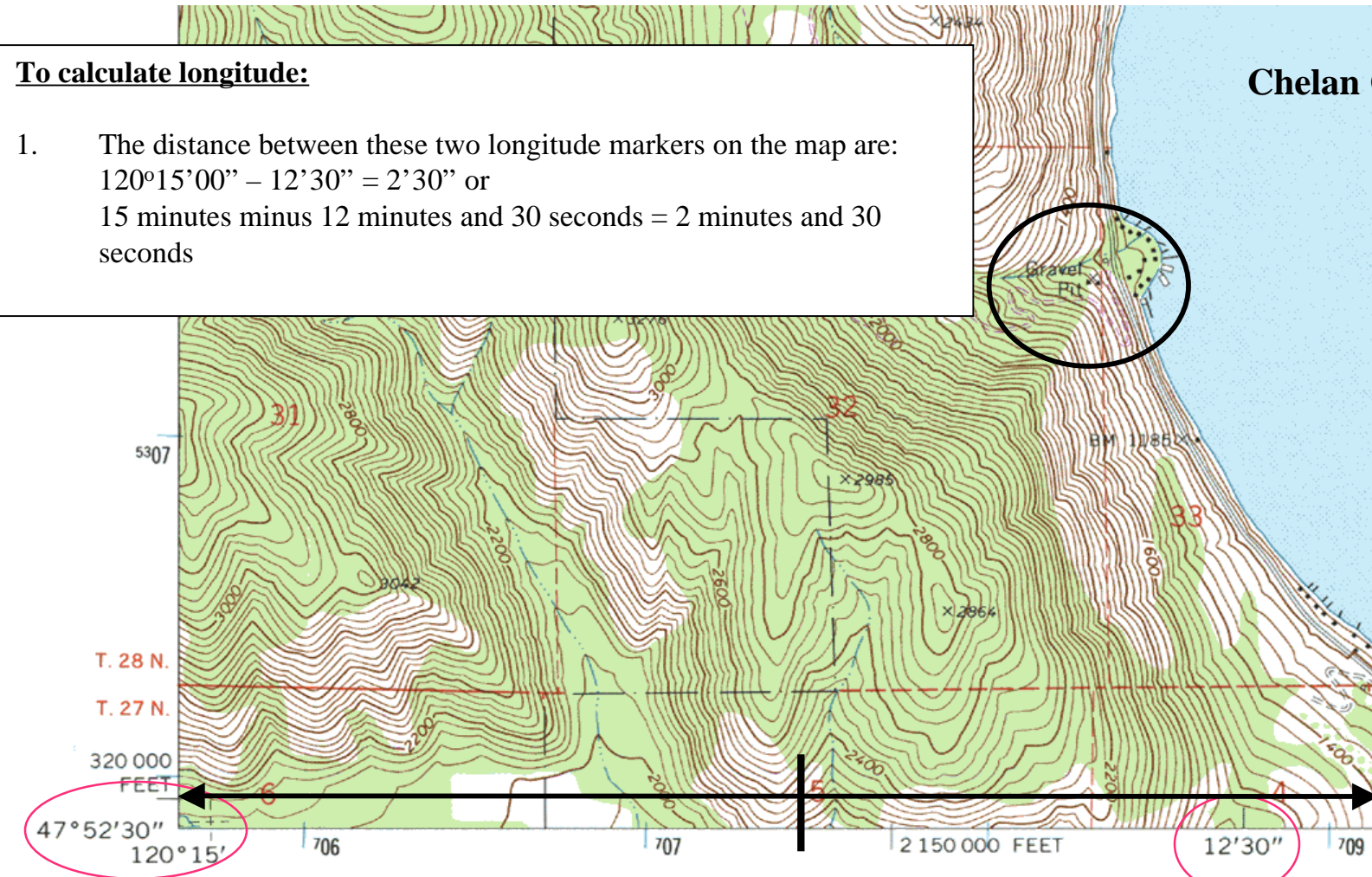


Chelan County

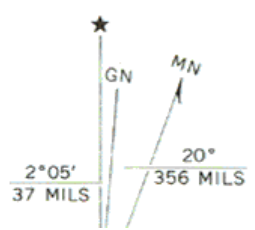
To calculate longitude:

1. The distance between these two longitude markers on the map are:
 $120^{\circ}15'00'' - 12^{\circ}30'' = 2'30''$ or
15 minutes minus 12 minutes and 30 seconds = 2 minutes and 30 seconds



(BALDY MTN.)
1979 IV SE

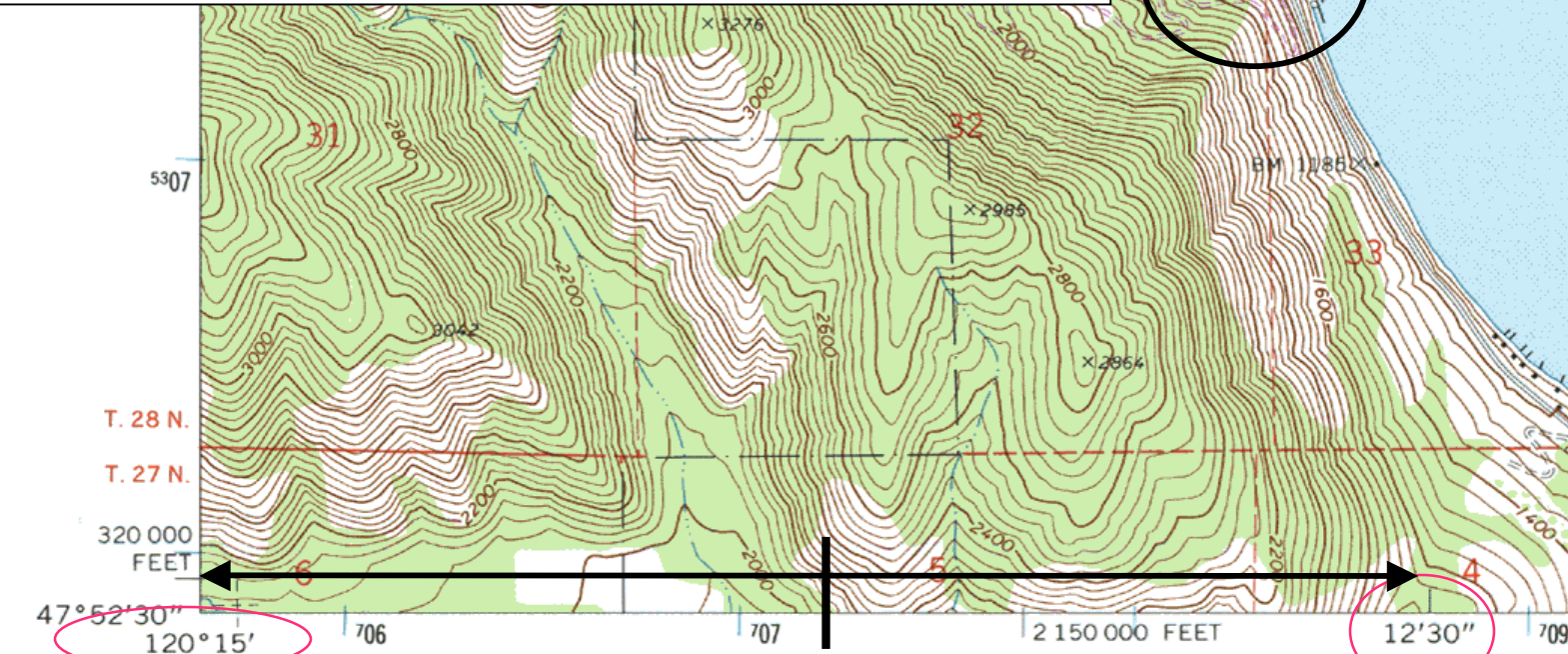
Mapped, edited, and published by the Geological Survey
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Topography by photogrammetric methods from aerial
photographs taken 1967. Field checked 1968
Polyconic projection. 1927 North American Datum
10,000-foot grid based on Washington coordinate system,
north zone



Chelan County

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 $15^{\circ}00'' - 12^{\circ}30'' = 2^{\circ}30''$ or
15 minutes minus 12 minutes and 30 seconds = 2 minutes and 30 seconds
2. Divide the line in half and this marker is $\frac{1}{2}$ of $2^{\circ}30''$ or $1^{\circ}15''$



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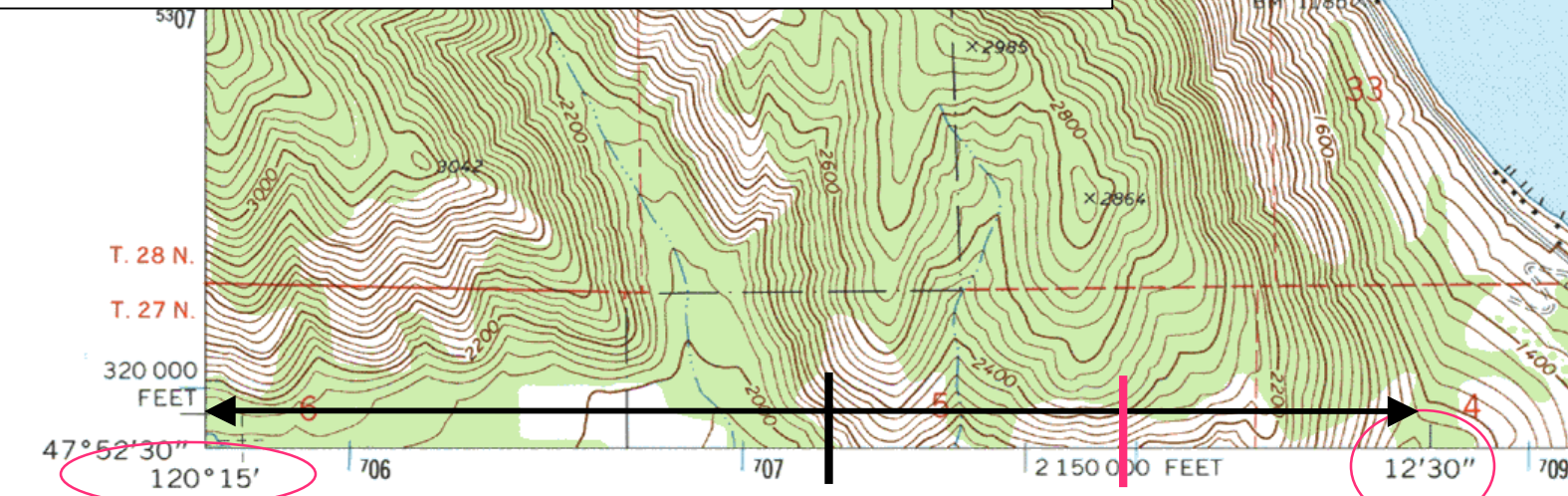
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Chelan County

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2. Divide the line in half and this marker is $\frac{1}{2}$ of $2^{\circ}30''$ or $1^{\circ}15''$
3. Divide the line in half again and this marker is $\frac{1}{2}$ of $1^{\circ}15''$
Which calculates to $\frac{1}{2}$ of $1' = 30''$ and $\frac{1}{2}$ of $15'' = 7.5''$
4. Add $30'' + 7.5'' = 37.5''$ (seconds)



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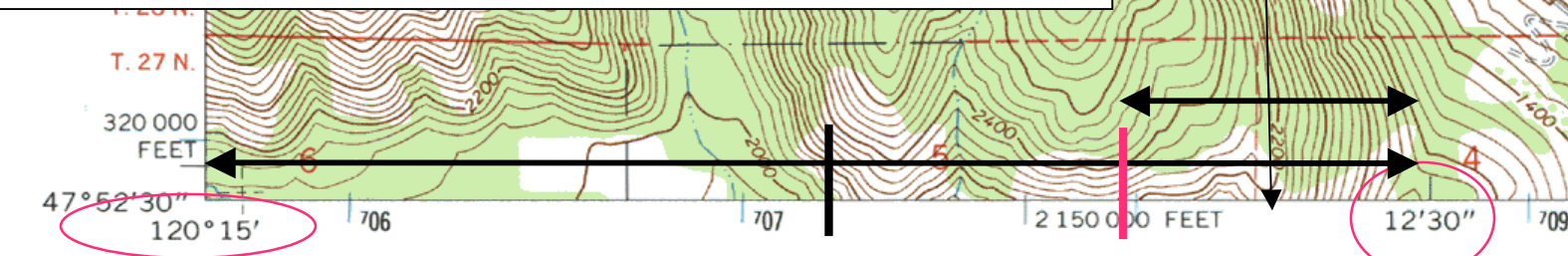
Chelan County

To calculate longitude:

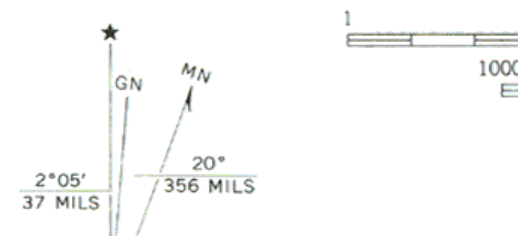
1. The distance between these two longitude markers on the map are:
 $15'00'' - 12'30'' = 2'30''$ or
 15 minutes minus 12 minutes and 30 seconds = 2 minutes and 30 seconds
2. Divide the line in half and this marker is $\frac{1}{2}$ of $2'30''$ or $1'15''$
3. Divide the line in half again and this marker is $\frac{1}{2}$ of $1'15''$
 Which calculates to $\frac{1}{2}$ of $1' = 30''$ and $\frac{1}{2}$ of $15'' = 7.5''$
4. Add $30'' + 7.5'' = 37.5''$ (seconds)
5. The line from the Gravel Pit is approximately in the middle, so the distance would be $\frac{1}{2}$ of $37.5'' = 19''$ rounded up
6. Add $19''$ to $120^\circ 12' 30'' = 120^\circ 12' 49''$

Answer: Approximately

$120^\circ 12' 49''$ longitude (120 degrees, 12 minutes, 49 seconds)



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Chelan lat/long – What is the longitude of the Gravel Pit (Estimated longitude = $120^\circ 12' 49''$)