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.(Steppuhn, 1981) .

Eslami and,

(1994) Firoozbakht

(Potter and, Colman,

.2003)

(Kustas et

.al, 1994)

(1999) Ghaiur et al. .

Dini et al.

(2005)

, ()

(2006) Sharifi et al. .

(2011) Mizukami et al. .

(2009) Fathzadeh et al..

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(1981) Martinec and Rango

(1991) Elder et al.

Rango and .

(1995) Martinec

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Kazama et al. (2003) Mote et al.

(2005) Dressler .

(2008)

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(%)	(m)	(m)	(m)	(km)	(km ²)
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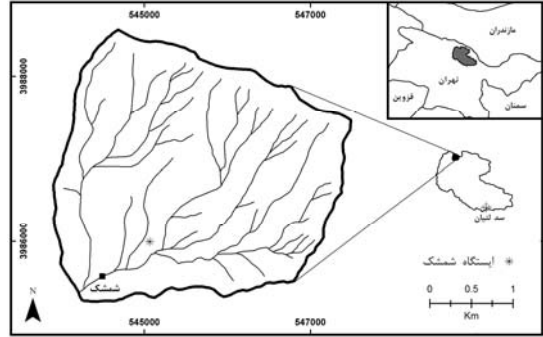
/ /

(2007) Ghanbarpour et al. .

$$a = 1.04 \frac{\rho_s}{\rho_w} - 0.07 \quad (\quad) \quad ()$$

$$a = 1.96 \frac{\rho_s}{\rho_w} - 0.239 \quad (\quad) \quad ()$$

$$\rho_w \quad \rho_s \quad a \quad ()$$



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((

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$$M = aT_d \quad ()$$

a : M :

T_d

T_d

$$T_d = T_a - T_b \quad ()$$

T_a :

() T_b :

$$T_d \quad T_a < T_b$$

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(National Engineering Handbook (NEH), 2004)

(// //)

(1980) Kuusisto

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(Rosenthal and Dozier, 1996)

(Painter et al., 2003)

$$M = a \sum T = H_w + P_s$$

$$H_w = a \sum T - P_s$$

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Grid

Envi

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ArcGIS

M

H_w

P_s ()

a

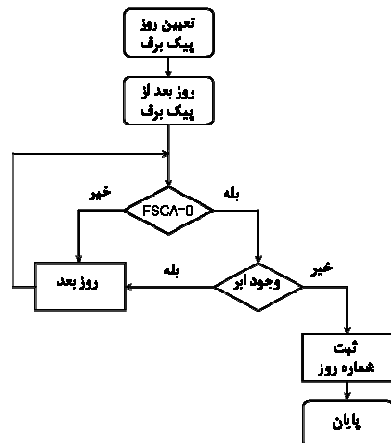
$\sum T$

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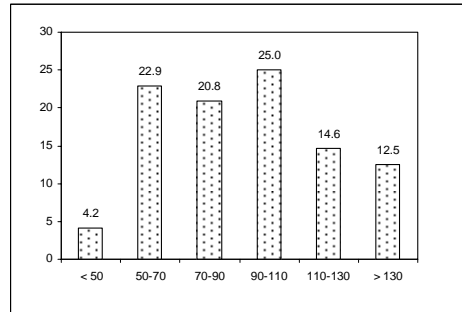
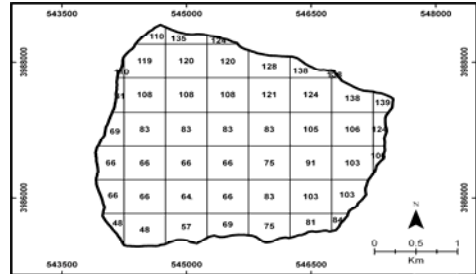
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(Stevenson, 2006)

$$MAPE = \frac{\sum(|E - A| / A) \times 100}{n} \quad ()$$

E : $MAPE$
 n : A

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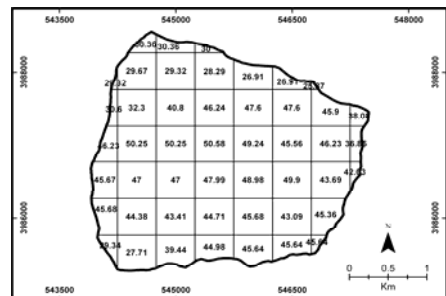


(cm)	(cm)	Y (UTM)	X (UTM)
/	/		
/	/		
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/	/		
/	/		
/	/		

a	ρ_w	ρ_s
/	/	/
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/	/	/

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(1981) Martinec et al.

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(1998) Cline et al.

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