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(Brady and

.Weil, 1999)

(Rice, 2005)

(Baldock and Nelson, 2000;

.Griffin, 2008)

CO<sub>2</sub>

(Murage et al., 2007)

(Kendall et

.al., 2001)

(Boy and Albrecht, 2006; Post, 2006; Six and Jastrow, 2006; Quideau, 2006; Iqbal et al., 2008)

(Robert, 2006)

(Etuddert and

.Echeverria, 2000)

(Chen et al., 2009)

(FAO, 2004)

(Dye et al., 2000)

(Stevens and Wesemael,

.2008)

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ahaidari@ut.ac.ir :

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.(Sharma and Ray, 2007)

(Catharina et al., 2008)

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(

(Merino et al., 2004; Pulleman et

al., 2006)

.(Magdoff and Weil, 2004)

(ETM<sup>+</sup> 2002)

× ×

Leifeld

.(Liu et al., 2005)

(2005)

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Liu et al (Hassink, 1997)

(2006)

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.(Dye et al., 2000)

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.(Six et al., 2002)

(Klute, 1986)

(Page, 1982)

pH

(Christensen, 2001)

(Cambardella and Elliott, 1991)

Aridic-

Xeric-Mesic

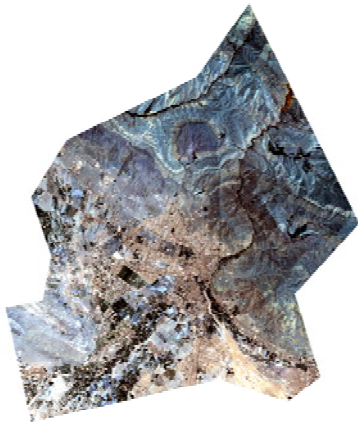
Thermic

GIS

)

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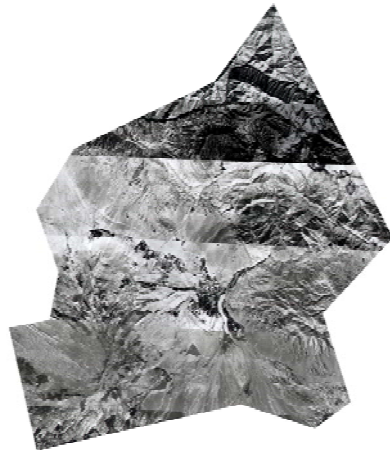
ETM+



0 3,850 7,700 15,400 23,100 30,800 Meters

1:220,000

برش تصویر ماهواره ای منطقه سال ۱۳۸۷



0 3,875 7,750 15,500 23,250 31,000 Meters

1:220,000

برش عکسهای هوایی منطقه سال ۱۳۳۴

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	( )
cm	( )
(Mg/ha)	( )
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( )

( )

(F2 F1)

/ /  
/ dS/m

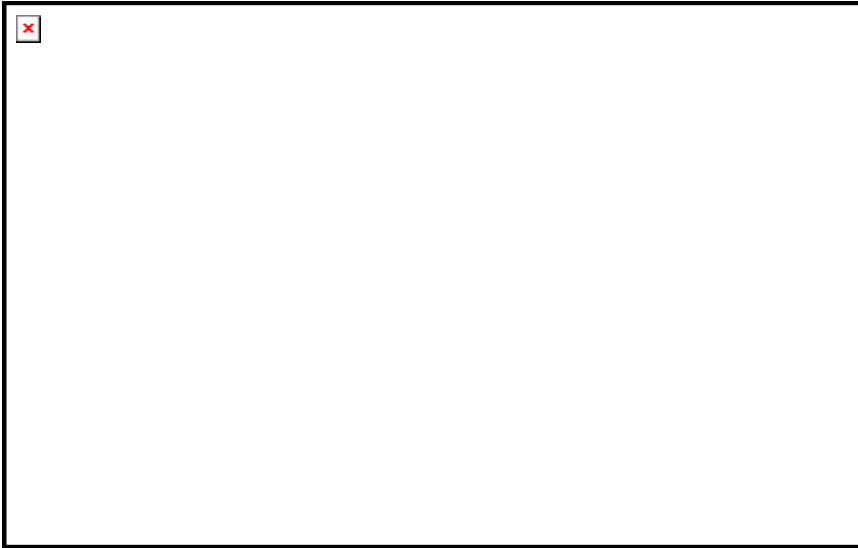
pH  
EC .

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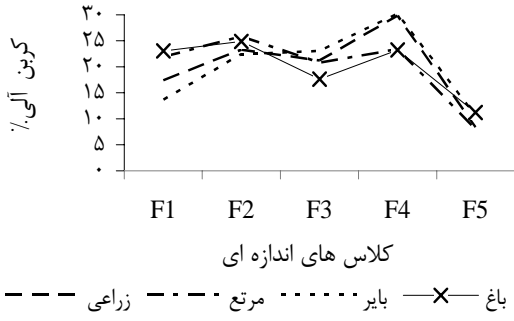
(F5 F4 F3)

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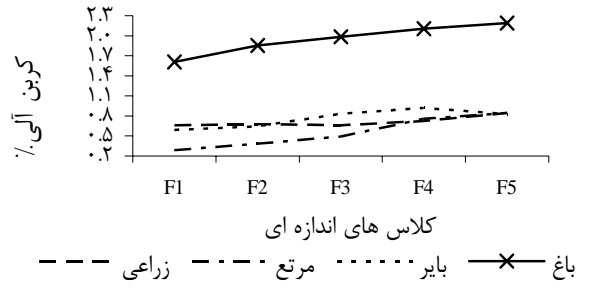
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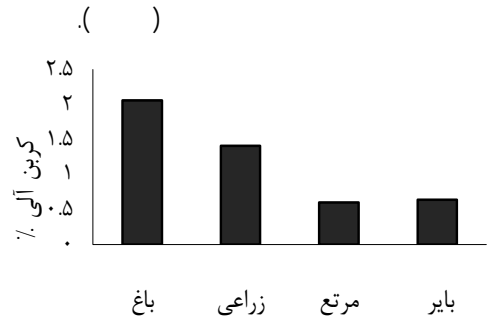
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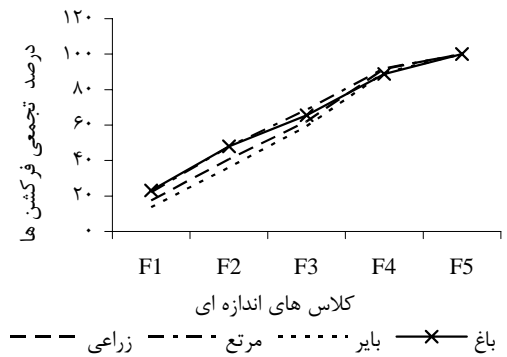
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Mg/ha



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Na <sup>+</sup>	K <sup>+</sup>	Ca <sup>2+</sup>	Mg <sup>2+</sup>	HCO <sub>3</sub> <sup>-</sup>	CO <sub>3</sub> <sup>2-</sup>	Cl <sup>-</sup>	SO <sub>4</sub> <sup>2-</sup>	CEC	EC	pH	OC	OM	CaCO <sub>3</sub>	SP	Clay	Sand	Silt	Texture
				meq/l				cmol+/kg	(ms)					%				
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	---	/	/	/	/	/	/	/	/	/	/	SL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	C
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SiC
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	LS
/	/	/	/	/	/	/	---	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	---	/	/	/	/	/	/	/	/	/	/	SL
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/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	LS
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/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	L
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SiL
/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	SiL
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		( cm)			
		%	%	OC (Mg/ha)	(Mg/ha)
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		/	/	/	/
		/	/	/	/
		/	/	/	/
P1Ap		/	/	/	/
P5A		/	/	/	/
		/	/	/	/
		/	/	/	/
		/	/	/	/
		/	/	/	/
		/	/	/	/

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Six

(2002) et al

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( )

(Piao et al., 2000)

(Moore et al., 2000)

(Zhou et al., 2006)

(Hutchinson et al., 2007)

(Merino

et al., 2004)

(Intergovernmental panel IPCC

on climate change)

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