

- - -
// : // :

*

/

() () : () /
() () /
() () /
() () /

(Dair)

Al-)

(Maddud)

.(Eidan et al. 2001 and Strohmenger et al. 2002

Denby et al. 2001; Al-Eidan et al. 2001 and)

.(Strohmenger et al. 2002

(Shuaiba)

()

.(Dalrymple et al. 1992)

(offshore)

)

()

(onshore)

()

.(Honarmand et al. 2003)

.(Honarmand et al. 2003)

(A)

(B)

.(Al-Eidan et al. 2001)

(Lowstand Systems Tracts)

:

()

/

()

()



) (fining upward)

.(

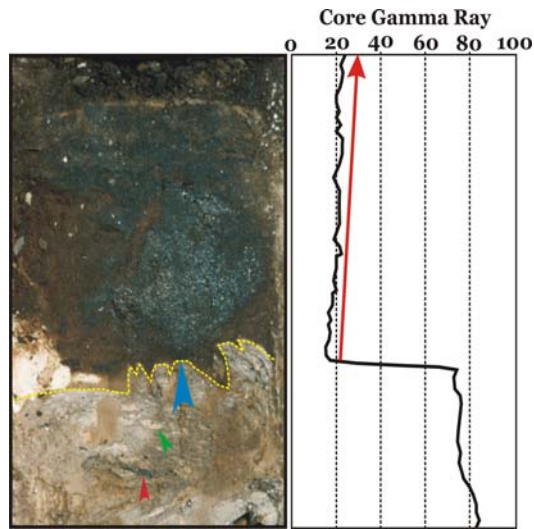
.(A)

()

(poorly

(unconsolidated)

consolidate)



:

"

.()

()

()

"

()

.(A)

"

.(Folk 1974)

B) (Shanmugam et al. 2000)

(crinkled laminae)

.(B

:

.(C C)

(Boer et al. 1988

"

.and Shanmugam et al.. 2000)

()

/ :

"

/
.(C)

.(B)

)

(crinkled laminae)

.(B

.(C)

)

.(B

"

.(B)

(consolidated)

(swamp)

()

(tidal mud

.(Boer et al. 1988)

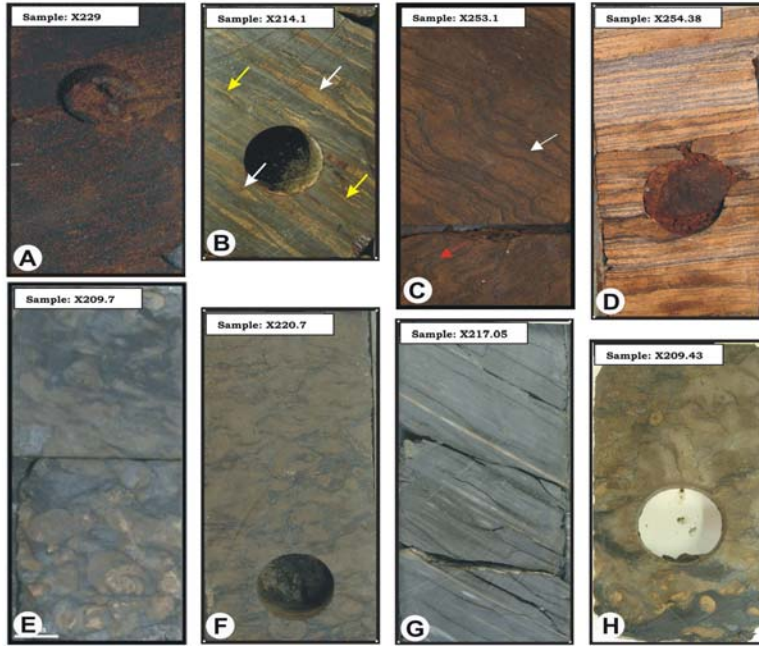
flat)

.(Dalrymple et al. 1992 and Shanmugam et al. 2000)

(amber)

(restricted bay)

(sand flat)



(A) :

(B)

(C) () .()

(D) () ()

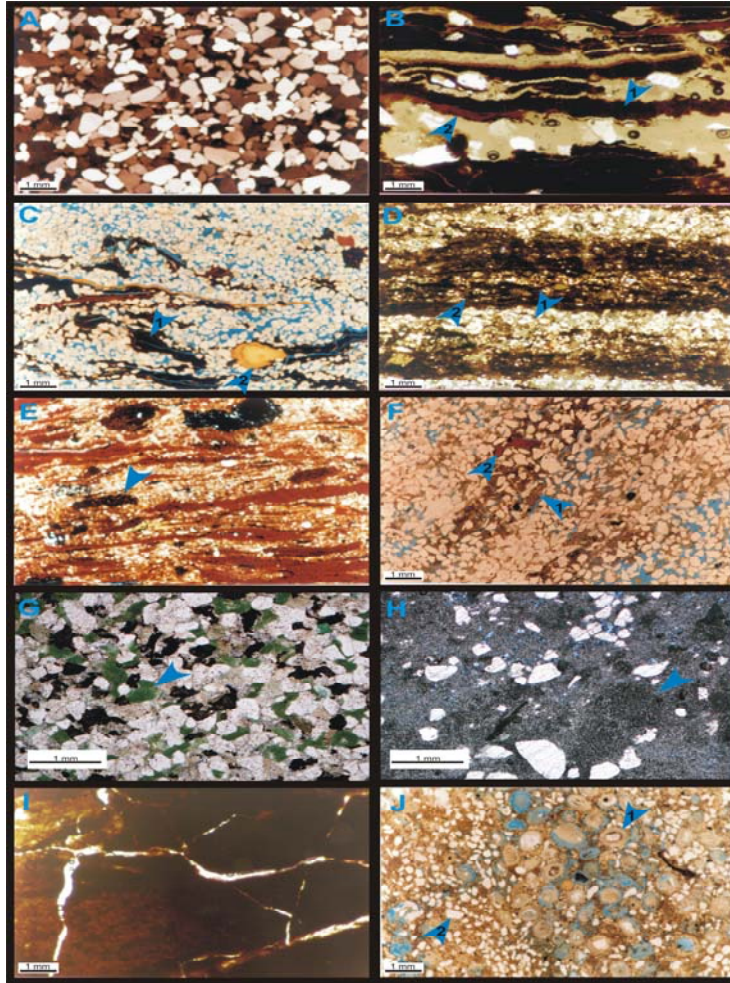
(E)

(G) (F)

(H)

(D D) :

/



(A) .
 () ()
 (B)
 () ()
 () ()
 (C)
 (D)
 (E) ()
 (F) ()
 () ()
 (G)
 (H) () ()
 () ()
 (I) () ()
 () ()
 (J)

/ :

)

.(H G F F

(Boer et al. 1988 and

(G)

.Shanmugam et al. 2000)

:

(Non-planar)

()

.(E E)

()

.(Sibley and Gregg 1987)

(Burrowing)

(Rhizocorallium)

)

(E) (Planolites)

.(H G

(Pemberton et al. 1992 and

(marine-influenced sand

Miller 2006)

(shoreface) flat)

.(Shanmugam et al. 2000)

(marine-influenced mud flat)

(Boer et al. 1988 and Shanmugam et al.

/ :

.2000)

: (I G)
()

()

(Visser 1980; Boer et al. 1988; Shanmugam
et al. 2000; Shelley and Lawton 2005)

(restricted bay / swamp)

(Bann et al. 2004)

:

()
()

H)

(J

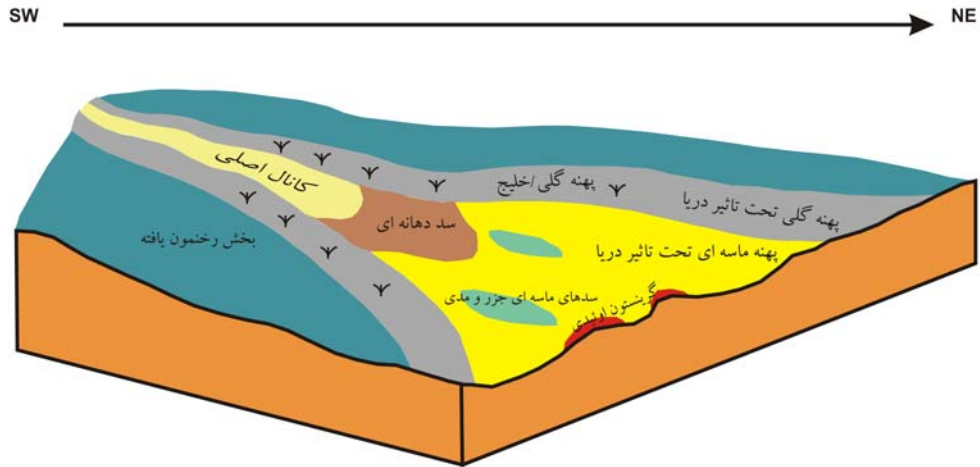
()

(Dalrymple et al. 1992, Shanmugam et al. 2000 and
Al-Eidan et al. 2001)

(Flugel

(Oolitic shoal)

.2004)



Dalrymple et al., 1992 and Al-Eidan)

(et al. 2001

.(Catuneanu 2006)

(Shanmugam et al.

2000)

.()

/

/

.()

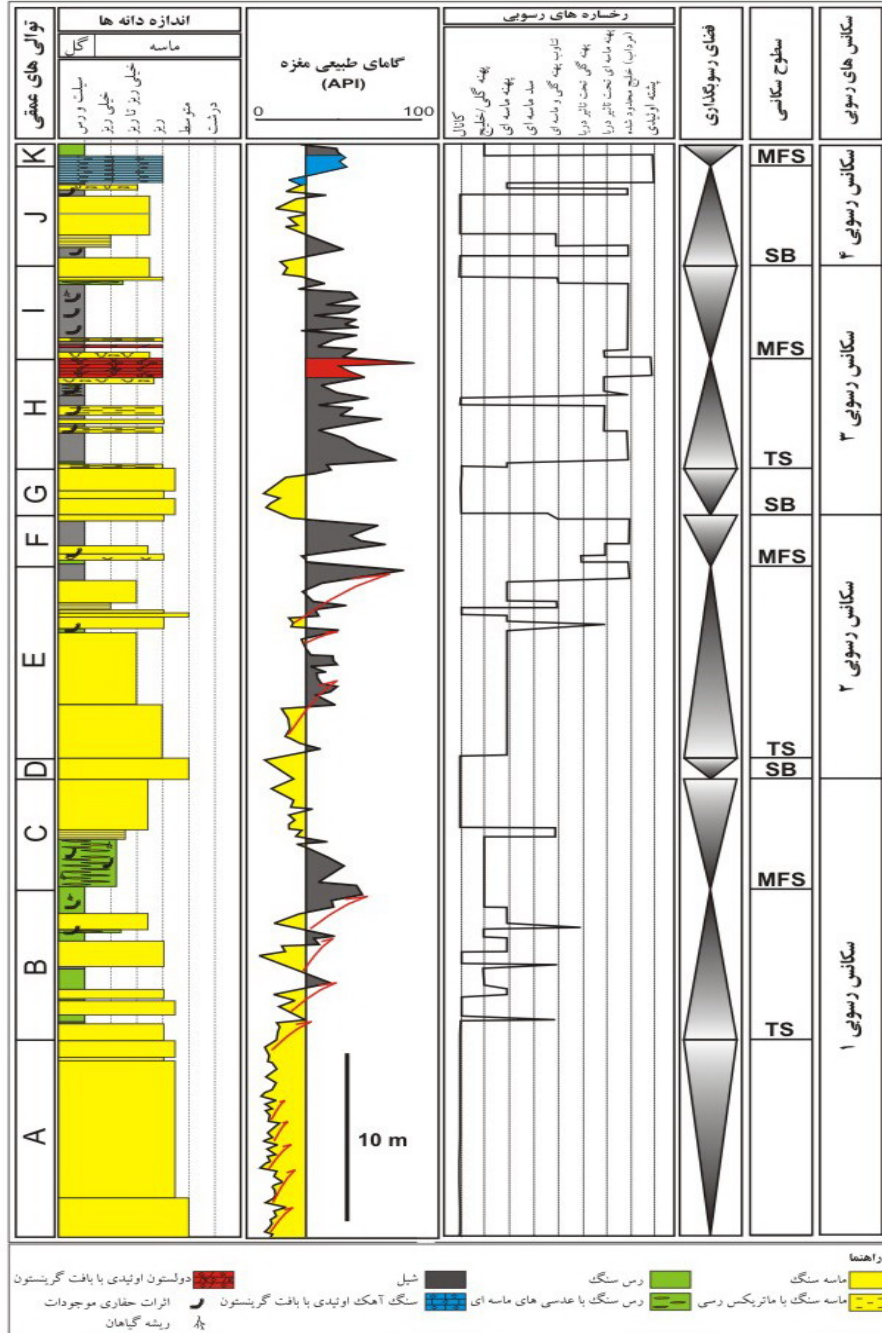
G F

(Dalrymple et al.

(SB1)

.1992)

.()



C B A :

(Retrogradational)

: **A**

(transgressive systems tract or TST)

(maximum

flooding surface or mfs)

(progradational stacking pattern)

(Van Wagoner et

(lowstand

.al. 1990 and Catuneanu 2006)

systems tract or LST)

: **C**

(Van Wagoner et al. 1990 and

.Catuneanu, 2006)

: **B**

(Late Highstand

Systems Tract)

F E D :

(F) (SB1) / : D

HST

(Van Wagoner et al. 1990, Al-Eidan et al. 2001

.and Catuneanu 2006)

LST

: E

early HST HST

/

(late HST) HST

TST

I H G :

F

: F

: G

(mfs)

(mfs)

: I

/

(estuary channel)

early HST

(LST)

(Van Wagoner et al. 1990,

mfs

.Shanmugam et al. 2000 and Catuneanu 2006)

/

/

: H

late HST

K J

:

: J

(Transgressive Surface or

TS)

mfs

TST

()

: K

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early HST

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