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(USEPA,1996)

(MDEQ,2002)

(CBPNTT, 2001)

Kieser,and Feng,)

(2005

(Tao, 2003)

(Kraemer,et al. 2003)

(TDP)

.(Hung & Shaw, 2005) .

.(USEPA, 1992)

.(Hung, & Shaw, 2005)

DO

BOD5

BOD5

.(Tietenberg, 2000)

.(USEPA, 2004)

.....

$$a_{ij} = \frac{L_j}{L_i} \quad (1)$$

$$\begin{aligned} & \left(\frac{L_j}{L_i} \right) i \left(\frac{L_j}{L_i} \right) = L_i \\ & \left(\frac{L_j}{L_i} \right) j \left(\frac{L_j}{L_i} \right) = L_j \end{aligned}$$

(TDP)

(TDP)

(Hung, & Shaw, 2005)

$$D = \frac{k_c \cdot L_{c0}}{k_2 - k_c} (e^{-k_c \cdot t} - e^{-k_2 \cdot t}) + D_0 \cdot e^{-k_2 \cdot t}$$

(1/day) BOD k_c (k_2)

BOD DO

$$TDP_1 = E_1 \quad (2)$$

$$TDP_2 = E_2 - a_{12} TDP_1 \quad (3)$$

$$TDP_3 = E_3 - a_{13} TDP_1 - a_{23} TDP_2 \quad (4)$$

⋮
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$$TDP_j = E_j - \sum_{k=1}^{j-1} a_{kj} \cdot TDP_k, k < j \quad (5)$$

$$\begin{aligned} & \left(\frac{L_j}{L_i} \right) j = TDP_j \\ & \left(\frac{L_j}{L_i} \right) j = E_j \\ & j = a_{kj} \end{aligned}$$

$$\left(\frac{L_j}{L_i} \right)$$

$$\left(\frac{L_j}{L_i} \right)$$

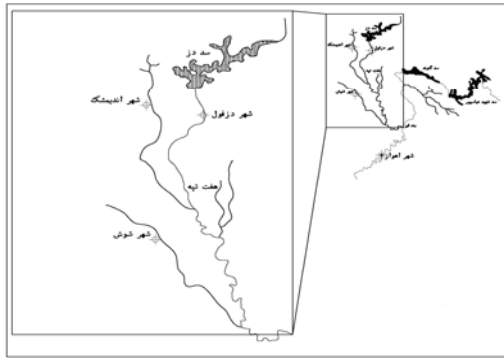
$$\left(\frac{L_j}{L_i} \right)$$

$$j \left(\frac{L_j}{L_i} \right)$$

$$\left(\frac{L_j}{L_i} \right)$$

a_{ij}

$$i \left(\frac{L_j}{L_i} \right)$$



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$$A = P \left[\frac{i(1+i)^N}{(1+i)^N - 1} \right] \quad ()$$

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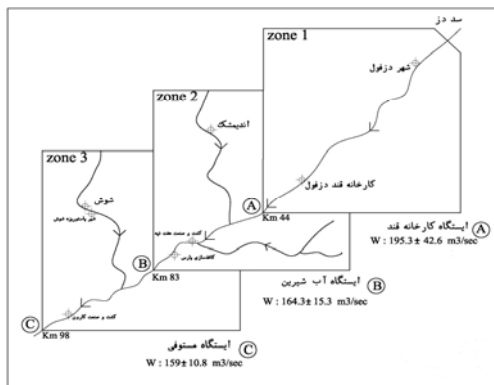
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= i
= N
= A
= P

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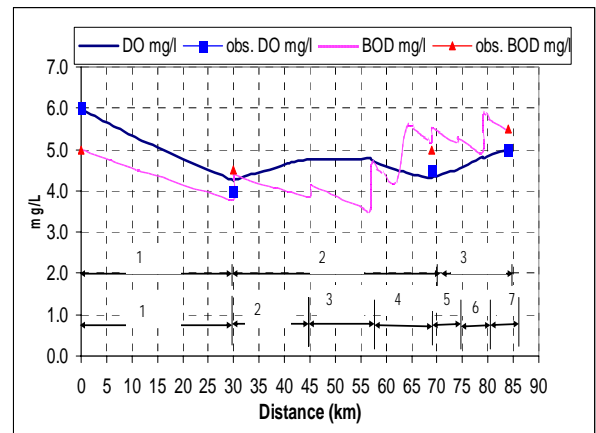
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BOD

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TDP



BOD DO

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TDP :()

TDP (ton/y)	E_j	*	(ton/y)	BOD5 (mg/lit)	(m ³ / day)		

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(C2/C1)

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(Titenberg, 2000)

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	C2/C1	(C2) ()	(C1) ()	()		
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$TDP_1 =$

TDP

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