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1-Shortage Index
2-Modified Shortage Index



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(Irrigation 1972)

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. (Rostam Afshar.N, 1992)

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Commission,

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;(HEC 1975)

$$SI = \frac{100}{N} \sum_{i=1}^N \left(\frac{A_s}{A_u} \right)^2$$

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=SI

=N

=A_s A_u

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. (Rostam Afshar.N, 1985)

$$MSI = \frac{100}{N} \sum_{i=1}^N [(S_m * \bar{W}_m) / A_u]^2$$

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=MSI
 =N
 =S_m
 =W_m

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$$W_j = \frac{\sum_{i=1}^n W_{ij} * A_i}{\sum_{i=1}^n A_i}$$

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j i

i

$$\begin{aligned} &= W_j \\ &= W_{i j} \\ &= A_i \\ &= n \end{aligned}$$

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$$\sum_{j=1}^{12} W_j / 12 = 1$$

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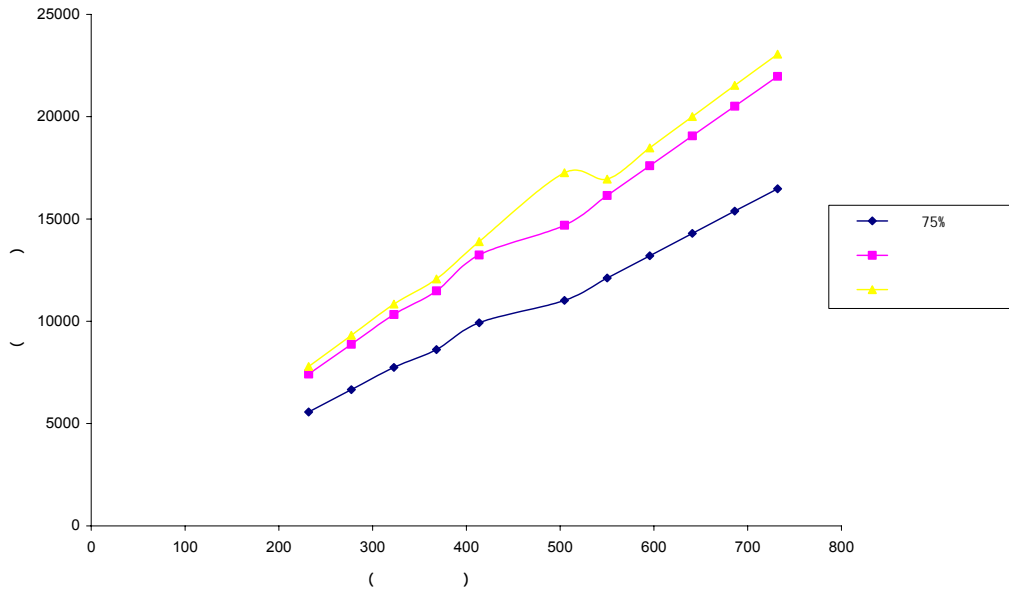


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									Mm³
Mm³	Mm³	Mm³	Mm³	Mm³	Mm³	Mm³	Mm³	Mm³	
1.69/7	7787/5	231/8	7.1/1	7418/9	231/8	2555/8	5564/2	231/8	252/8
131.3	9313/3	277/3	87.0/5	8873/5	277/3	3.88/8	6655/1	277/3	3.4/5
155.0/9	1.839/3	322/8	1.39/8	1.328/2	322/8	3621/9	7746/2	322/8	355/3
1792/3	12.66/1	368/2	12.9/1	11482/9	368/2	4.79/8	8612/2	368/2	4.6
2.33/7	13892/9	413/7	1378/4	13237/6	413/7	4687/8	9928/2	413/7	456/8
2275/1	1726.8	5.4/6	1547/7	14692/3	5.4/6	522.8	11.19/3	5.4/6	5.7/5
2516/5	16946/5	55.1/1	1717	16147	55.1/1	5781/3	1211.3	55.1/1	558/3
2757/9	18473/1	595/5	1886/4	176.1/6	595/5	6286/8	132.1/2	595/5	6.9
2999/3	19999/9	641	2.55/7	19.56/3	641	6819/8	14292/2	641	659/8
324.7	21526/7	686/2	2225	2.511	686/2	7352/8	15283/3	686/2	71.0/5
3482	23.53/4	731/9	2394	21965/7	731/9	7885/7	16474/3	731/9	761/3



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