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ABSTRACT The research in this paper was based on the project of water diversion from the Yangtze River to the Taihu Lake which significantly improves water environment of the lake and brings obvious economic benefits for surrounding areas. An analytical framework is developed on evaluating benefits of water supply to Huzhou city from project of water diversion from Yangtze River to Taihu Lake, including: (1) the value-added of water supply on the project are divided into four parts according to the characteristics of Hangzhou-Jiax- ing-Huzhou Plain area. (2) The utilization ratio of water diversion is defined based on the features of water resources. (3) The water supply effects on industries and residents'. Jiving are explored using partition					Recommend to Peers	
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coeffi-cient method in Huzhou city. Grey relation technique is used to examine the relationship between water use and industrial development in Huzhou, which aims to clarify the rationality of partition coefficient				Downloads:	402,258	
method. The results indicate that benefit of water diversion from Yangtze River to Taihu Lake to tertiary industry of Huzhou city is the highest, while that of industry is the lowest.					Visits:	1,010,263
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References

10.4236/jwarp.2009.11009.

- [1] J. L. Gardiner, P. J. Edwards, and J. H. Ball, "Urban waterside regeneration: Context and sustainability," in: White, K. N., Bellinger, E. G., Saul, A. J., Symes, M. & Hendry, K. (Eds) Urban Waterside Regeneration (London, Ellis Horwood), 1993.
- [2] J. L. Gardiner, " Sustainable development for river catchments," Journal of the Institution of Water and Environmental Management, Vol. 8, pp. 308-319, 1994.
- [3] National Rivers Authority, "Thames 21-A planning perspective and a sustainable strategy for the thames region," Reading, National Rivers Authority, 1995.
- [4] Y. Zhou and Richard S. J. Tol, " Implications of desalination for water resources in China-an economic perspective," Desalination, Vol. 164, pp. 225-240, 2004.
- [5] M. Matete and R. Hassan, "Integrated ecological economics accounting approach to evaluation of inter-basin water transfers: An application to the Lesotho Highlands Water Project," Ecological Economics, Vol. 60, pp. 246-259, 2006.
- [6] "Report on implementing the project of water transfer from Yangtze River to Taihu Lake," Taihu Lake Basin Authority, Ministry of Water Resources, P. R. China, pp. 385-403, 2005.
- [7] " 2005 Huzhou Statistical Yearbook," China Statistic Press, 2006.
- [8] X. R. Chen and X. K. Liu, " Rational volume of ecological water consumption and its calculation model

II: Application," Advances in Science and Technology of Water Resources, Vol. 26(6), pp. 1-5, 2006.

- [9] " 2002 Huzhou Statistical Yearbook," China Statistic Press, 2003.
- [10] " 2003 Huzhou Statistical Yearbook," China Statistic Press, 2004.
- [11] " 2004 Huzhou Statistical Yearbook," China Statistic Press, 2005.