

미국에서의 환경비용체계에서의 편익이전기법 사용

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Use of Benefit Transfer Technique in Environmental Costs Framework in the USA

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What is a Benefit Transfer Technique (BT)?

The adaptation and use of economic information derived from a specific site(s) under certain resources and conditions to a site with similar resources and conditions.

When is the BT Preferred to Value Change in Environment?

- Budget constraints,
- Time limitation, or
- Resource impacts that are expected to be low or insignificant, or
- Preliminary research for small project

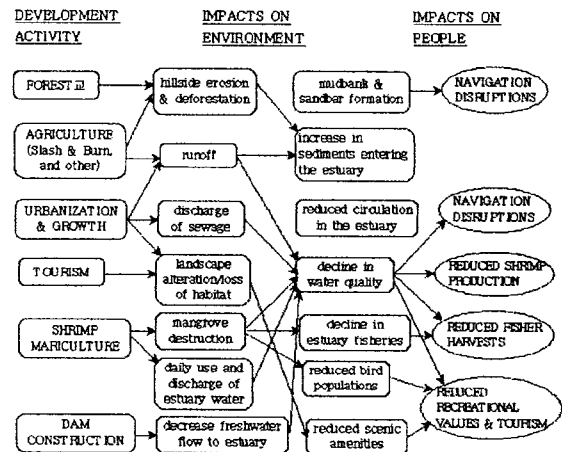
Types of the BT ?

- Value Transfers
- Single Point Estimate
- Measure of Central Tendency
- Benefit Function Transfer
- Benefit/Demand Function
- Meta Analysis Function

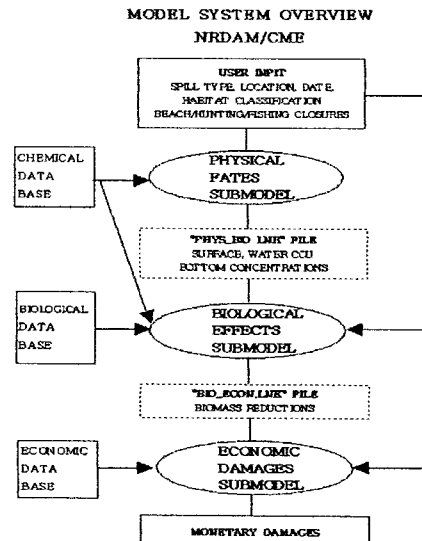
Issues of Benefit Transfer

- Potential Limitation of the BT
- Validity and Reliability

Possible Field for Use of the BT



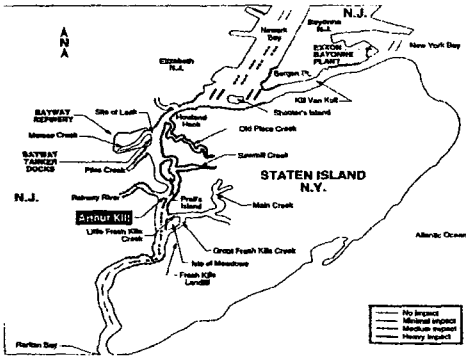
Application of the BT: Example 1



The Arthur Kill Oil Spill

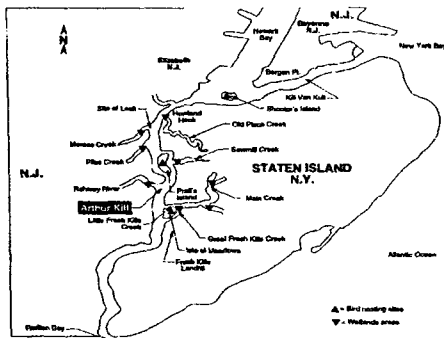
Outline: The release of 567, 000 gallons of No.2 fuel oil from an Exxon underwater pipeline into the Arthur Kill on Jan. 1, 1990.

This is considered as a major accident (by the Coast Guard).



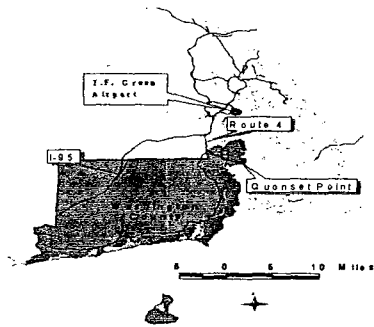
The Affected regions of the Kill and the Extent of Oiling

The Arthur Kill Oil Spill



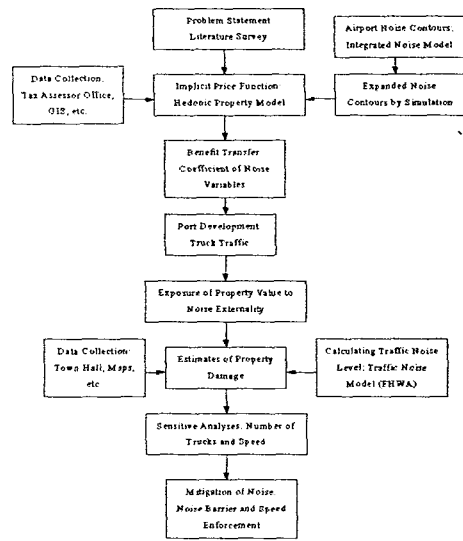
Location of Wetland and Bird Nesting Site

Application of the BT: Example 2

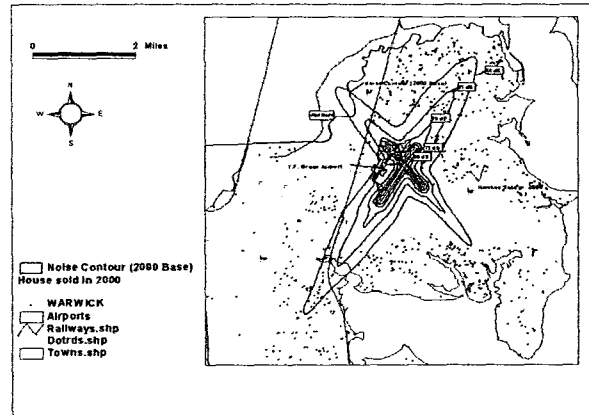


Rhode Island Map

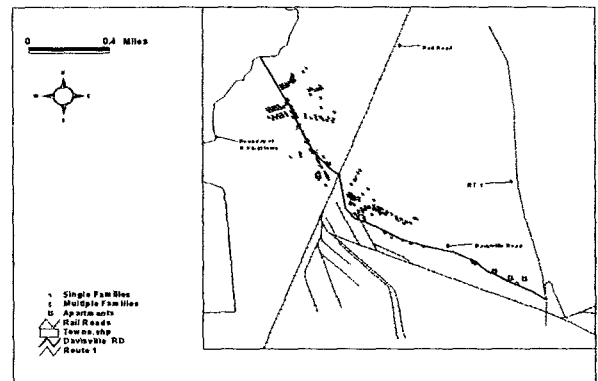
Procedure of the Proposed Research



Estimate Noise Contours for T.F. Green Airport



Residential Housing Units Adjacent to Davisville RD (RTE 403)



Conclusion

- Some Value is better than none
- Need to studies to give better information using the

BT

- Considering Validity and Reliability
- How about Korea ?