

MEMORANDUM OF UNDERSTANDING  
COORDINATION OF DISCHARGE-FREQUENCY DETERMINATIONS  
ON INDIANA STREAMS

WHEREAS, the Corps of Engineers, the U. S. Geological Survey, the U. S. Soil Conservation Service and the Indiana Department of Natural Resources are engaged in a variety of water resources investigation and planning activities in the State of Indiana, including Flood Plain Information and Flood Insurance studies; and

WHEREAS, discharge-frequency determinations are an integral part of virtually all water resources investigation and planning activities; and

WHEREAS, it is essential that such discharge-frequency determinations be coordinated so as to assure consistency as between the study agencies and to provide for the development of a data bank of discharge-frequency values for use by all parties for all water resources investigation and planning purposes,

NOW THEREFORE, the undersigned agencies agree as follows:

1. Where adequate stream-flow data is available, provisional discharge-frequency determinations will be made using the latest available guide lines of the U. S. Water Resources Council. U.S.G.S. Circular 710 is in general accord with such guide lines.
2. Where adequate stream-flow data is not available, provisional discharge-frequency determinations will be made with consideration to U.S.G.S.Circular 710 and other available data and procedures as may be appropriate.

3. In the event that stream discharge is significantly affected by upstream regulatory works, the provisional discharge-frequency determinations will be appropriately modified.
4. Whenever discharge-frequency determinations are made, they will include, as a minimum, the 10, 25, 50 and 100-year values.
5. Upon completion of provisional discharge-frequency determinations, the originating agency will transmit such determinations to the Deputy Director for Water and Minerals, Department of Natural Resources, and to the other signatory agencies.

Each such other signatory agency shall have a period of thirty (30) days within which to submit its comment on such provisional discharge-frequency determinations to the Department of Natural Resources.

6. The Department of Natural Resources will within a period of fifteen (15) days, review the proposed discharge-frequency determinations, together with the comment of the other agencies; make a determination of the final values, and issue notice of such determinations to all signatory agencies.
7. In the event that substantial disagreement with such final determinations is expressed within fifteen (15) days, a technical-level meeting will be held to resolve any differences. If such effort is unsuccessful, then a final conclusion will be made by the administrative heads of the signatory agencies.
8. In the event that discharge-frequency determinations involve interstate streams, the Department of Natural Resources will

effect coordination with the affected State.

IN WITNESS WHEREOF, the agencies have executed this agreement this

6<sup>th</sup> day of May, 1976.

CORPS OF ENGINEERS

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Louisville District Engineer

U. S. GEOLOGICAL SURVEY

By: James L. Cook  
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U. S. SOIL CONSERVATION SERVICE

By: Cletus J. Gillman  
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DEPARTMENT OF NATURAL RESOURCES

By: Joseph L. Cloud  
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Director