



DATABASE TECHNICAL TEAM QUARTERLY PROGRESS REPORT

Prepared for the WRIA 1 Watershed Management Project

Reporting Period: October 1, 2000 – December 31, 2000

Prepared By: Database Management Technical Team

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1. Summary of Quarterly Activities

Database Development Activities: Assembling of data indexed to EndNotes reference database ongoing. Assembly of geographic metadata cataloged in RTSe SMMS metadatabase ongoing. Reference database now posted on USU WRIA 1 website. Assembling of GIS data relevant to modeling and DSS ongoing, metadata catalog to be posted on USU WRIA 1 website during Phase III. USU computer server has been assembled with ESRI SDE and IMS; DSS relevant datasets also loaded on the server; a web server has been established; Citrix Application Server selected for browser-based interfacing with the DSS. Data exploration interface (related to Watershed Characterization work) development ongoing for PIE and decision analysts. Geodatabase technical manual development ongoing.

DSS Development Activities: October meeting with Staff/Technical teams re: DSS worksheet guidelines. Development of DSS worksheet addendum. Development of DSS worksheet examples. Established process of DSS worksheet development by caucuses, technical teams and USU. Developed sample worksheets. Development of “Data Explorer and Modeler” (related to Watershed Characterization work) ongoing. Skeletal software development of “Alternative Builder” (related to DSS worksheet development) underway. Feasibility report on design of “Decision Analyst” portion of DSS delayed to Qtr 2, 2001. DSS technical manual documentation is ongoing as part of DSS worksheet and watershed characterization development.

Other Database Team Activities: Whatcom County 2001 budget approved with \$\$ for Database/GIS/DSS Management support staff. Web application of County Water Resources Library (Catalog of Existing Information) Database ongoing. Assisting with the coordination of DSS worksheets between USU, Tech teams and Planning Unit Caucuses.

2. Problems/Issues/Resolution

Problem 1: Development of DSS worksheets has been more time consuming than originally anticipated and has evolved to parallel development of Watershed Characterization worksheets. The process adopted for DSS worksheet and Watershed Characterization development has resulted in delay of several Phase II Database Development and DSS deliverables.

40 Resolution 1: The development of the DSS and related interfaces for PIE and WRIA 1 stakeholders is
 41 inextricably tied to the development and understanding of the DSS and Watershed Characterization
 42 worksheets (i.e., decision relevant information). The extra time required to develop decision relevant
 43 information, while frustrating, is expected to produce what is necessary and expected for the Project. The
 44 delays in producing preliminary drafts are not expected to affect the overall project timeline.
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46 **3. Schedules**

47 Database Development:

- 48 Task 1: Assemble Data Catalog. Draft reference catalog completed. Posted on USU web Site.
- 49 Task 2: Collect DSS Data. Draft metadata catalog completed. To be posted on USU web site Q2/2001
 50 after purchase of *Citrix* (Phase III).
- 51 Task 3: Setup Computer Server. Completed. Purchase of *Citrix* software Q2/2001 (Phase III).
- 52 Task 4: Design/Implement Database Management System. Ongoing to Project Completion (Phase III).
- 53 Task 5: Design WRIA 1 Interfaces. Draft Stakeholder interface delivered, work ongoing. Draft PIE
 54 interface delayed by decision relevant information collection process; to be completed Q2/2001.
- 55 Task 6: Educational Sessions. Draft DSS technical manual delayed by decision relevant information
 56 collection process; to be completed Q1/2001; final product scheduled for June 30, 2002. Two educational
 57 sessions scheduled for Q2&Q4/2001.

58 DSS Development:

- 59 Task 1: Develop Data Modeler and Explorer. Preliminary skeletal software developed. Report on
 60 software to be completed Q1/2001.
- 61 Task 2: Develop Alternative Builder. Delayed by decision relevant information collection process.
 62 Skeletal software and report to be completed Q1/2001.
- 63 Task 3. Initiate Decision Analyst design. Delayed by decision relevant information collection process.
 64 Feasibility report to be completed by Q2/2001. Skeletal software and preliminary alternative
 65 implementations to be completed by 12/31/01.
- 66 Task 4. Software Engineering. Alpha version of DSS software scheduled for July 2001. Beta version
 67 scheduled for December, 2001.
- 68 Task 5. Training and Documenation. Outline of DSS documentation delayed by decision relevant
 69 information collection process; scheduled for Q1/2001.

70 Other Database Activities:

- 71 Database Management Support staff. Staff person expected to be on board by July 1, 2001.
- 72 County Water Resources Library Database. Web application beta testing 2/01. Web application to go
 73 live 3/01.

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 75 **4. Funds (USU Phase II)**
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Line Item	Prior Qtr expenses	Quarterly Expenses	Total Expenses	Budget	Remaining Balance	Percent Expended
Database	\$15,726	\$26,825	\$42,551	\$72,517	\$29,996	58.7
DSS	\$10,523	\$14,329	\$24,872	\$48,182	\$23,310	51.6
Total	\$26,249	\$41,154	\$67,423	\$120,699	\$53,306	55.9

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 78 **5. Project Activities and Milestones**
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80 **2ND Qtr activities:** Tech team Review of Phase II work products Q1/2001. Tech team
81 review/development of Phase III scope of work Q1/Q2/2001. Tech Team Participation in Data
82 Management support staff selection process. Tech Team participation in DSS worksheet process.