



Prepared for the
Federal Emergency Management Agency, Region 1, and the
Maine Floodplain Management Program, State Planning Office

Scoping of Flood Hazard Mapping Needs for Somerset County, Maine



Open-File Report 2006-1100

U.S. Department of the Interior
U.S. Geological Survey



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By Robert W. Dudley and Charles W. Schalk

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U.S. Department of the Interior
U.S. Geological Survey

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CONVERSION FACTORS AND ABBREVIATIONS

Multiply	By	To obtain
Length		
inch (in.)	25.4	millimeter (mm)
foot (ft)	0.3048	meter (m)
mile (mi)	1.609	kilometer (km)
Area		
square foot (ft ²)	0.09290	square meter (m ²)
square mile (mi ²)	2.590	square kilometer (km ²)
Volume		
cubic foot (ft ³)	0.02832	cubic meter (m ³)
Slope		
foot per mile (ft/mi)	0.1894	meter per kilometer (m/km)
Velocity and Flow		
foot per second (ft/s)	0.3048	meter per second (m/s)
cubic foot per second (ft ³ /s)	0.02832	cubic meter per second (m ³ /s)

OTHER ABBREVIATIONS USED IN REPORT

CAC	Community Assistance Contact
CAV	Community Assistance Visit
DFIRM	Digital Flood Insurance Rate Map
FEMA	Federal Emergency Management Agency
FIS	Flood Insurance Study
MEGIS	Maine Office of Geographic Information Systems
NFIP	National Flood Insurance Program
USGS	United States Geological Survey

Scoping of Flood Hazard Mapping Needs for Somerset County, Maine

By Robert W. Dudley and Charles W. Schalk

Section 1. Introduction

This report was prepared by the U.S. Geological Survey (USGS) Maine Water Science Center as the deliverable for scoping of flood hazard mapping needs for Somerset County, Maine, under Federal Emergency Management Agency (FEMA) Inter-Agency Agreement Number HSFE01-05-X-0018. This section of the report explains the objective of the task and the purpose of the report.

Background

The Federal Emergency Management Agency (FEMA) developed a plan in 1997 to modernize the FEMA flood mapping program. FEMA flood maps delineate flood hazard areas in support of the National Flood Insurance Program (NFIP). FEMA's plan outlined the steps necessary to update FEMA's flood maps for the nation to a seamless digital format and streamline FEMA's operations in raising public awareness of the importance of the maps and responding to requests to revise them. The modernization of flood maps involves conversion of existing information to digital format and integration of improved flood hazard data as needed. To determine flood mapping modernization needs, FEMA has established specific scoping activities to be done on a county-by-county basis for identifying and prioritizing requisite flood-mapping activities for map modernization. The U.S. Geological Survey (USGS), in cooperation with FEMA and the Maine State Planning Office Floodplain Management Program, began scoping work in 2005 for Somerset County. Scoping activities included assembling existing data and map needs information for communities in Somerset County (efforts were made to not duplicate those of pre-scoping completed in March 2005), documentation of data, contacts, community meetings, and prioritized mapping needs in a final scoping report (this document), and updating the Mapping Needs Update Support System (MNUSS) Database or its successor with information gathered during the scoping process.

The average age of the FEMA floodplain maps in Somerset County, Maine is 18.1 years. Most of these studies were in the late 1970's to the mid 1980s. However, in the ensuing 20-30 years, development has occurred in many of the watersheds, and the characteristics of the watersheds have changed with time. Therefore, many of the older studies may not depict current conditions nor accurately estimate risk in terms of flood heights.

Scope of Work

The following is the scope of work as defined in the FEMA/USGS Statement of Work:

Task 1: Collect data from a variety of sources including community surveys, other Federal and State Agencies, National Flood Insurance Program (NFIP) State Coordinators, Community Assistance Visits (CAVs) and FEMA archives. Lists of mapping needs will be obtained from the MNUSS database, community surveys, and CAVs, if available. FEMA archives will be inventoried for effective FIRM panels, FIS reports, and other flood-hazard data or existing study data. Best available base map information, topographic data, flood-hazard data, and hydrologic and hydraulic data will be identified. Data from the Maine Floodplain Management Program database also will be utilized.

Task 2: Contact communities in Somerset County to notify them that FEMA and the State have selected them for a map update, and that a project scope will be developed with their input. Topics to be reviewed with the communities include (1) Purpose of the Flood Map Project (for example, the update needs that have prompted the map update); (2) The community's mapping needs; (3) The community's available mapping, hydrologic, hydraulic, and flooding information; (4) target schedule for completing the project; and (5) The community's engineering, planning, and geographic information system (GIS) capabilities.

On the basis of the collected information from Task 1 and community contacts/meetings in Task 2, the USGS will develop a Draft Project Scope for the identified mapping needs of the communities in Somerset County. The following items will be addressed in the Draft Project Scope: review of available information, determine if and how effective FIS data can be used in new project, and identify other data needed to complete the Project and its source. The Draft Project Scope will establish priority levels for flooding sources to be analyzed and mapped, and estimate schedules and associated costs for completion of the components of flood mapping.

The following subject areas are documented in this report as set forth in the statement of work: available flood-mapping-related data and documented mapping needs, community meetings and contacts, scope and prioritization of mapping needs, and project methods. Scoping-level time and costs for identified mapping needs will be provided as a document separate from this report. The appendix section of this report provides a community by community summary of information obtained and used in the scoping process for all 30 communities in Somerset County that have Flood Hazard Boundary Maps, Flood Insurance Rate Maps (FIRMs), and (or) Flood Insurance Studies (FISs) (table 1).

Table 1. Organized communities and unorganized territories in Somerset County, Maine.
 [CID, Community identification number; NSFA, No Specific Flood Hazard Area; FIRM, Flood Insurance Rate Map; -, no data; *, Community has a published Flood Insurance Study]

Community	CID	Population (year 2000)	FIRM date
Alder Brook TWP, T03 R03 NB	230713	-	NSFA
Anson, Town of	230123	2,583	7/3/1995*
Appleton TWP, T6 R7 BKP WKR	230714	-	NSFA
Athens, Town of	230354	847	9/27/1985
Attean TWP, T5 R1 NBKP	230715	-	NSFA
Bald Mountain TWP, T2 R3 BKP EKR	230716	-	NSFA
Bald Mountain TWP, T4 R3 NBKP	230717	-	NSFA
Big Six TWP, T6 R19 WELS	230545	-	NSFA
Big Ten TWP, T10 R17 WELS	230719	-	NSFA
Big W TWP	230546	-	NSFA
Bigelow TWP, T4 R3 BKP WKR	230718	-	NSFA
Bingham, Town of	230124	989	9/27/1985
Blake Gore TWP, T5 R4 NBKP	230720	-	NSFA
Bowtown TWP, T1 R4 BKP WKR	230721	-	NSFA
Bradstreet TWP, T4 R7 BKP WKR	230722	-	NSFA
Brassua TWP, T2 R2 NBKP	230723	-	NSFA
Brighton PLT	230538	86	NSFA
Cambridge, Town of	230355	492	9/27/1985
Canaan, Town of	230356	2,017	9/27/1985
Caratunk, Town of	230539	108	11/1/1985
Carrying Place TWP, T01 R03 BKP WKR	230753	-	NSFA
Carrying Place TWP, T02 R03 BKP WKR	230724	-	NSFA
Chase Stream TWP, T1 R6 BKP WKR	230547	-	NSFA
Comstock TWP, T04 R18 WELS	230725	-	NSFA
Concord TWP	230466	-	2/1/1985
Cornville, Town of	230358	1,208	9/27/1985
Dead River TWP, T03 R03 BKP WKR	230726	-	NSFA
Dennistown PLT	230540	-	NSFA
Detroit, Town of	230357	816	8/19/1985
Dole Brook TWP, T03 R05 NBKP	230727	-	NSFA
East Moxie TWP, T02 R04 BKPEKR	230548	-	NSFA
Elm Stream TWP, T04 R16 WELS	230728	-	NSFA
Embden, Town of	230359	881	9/4/1985

Fairfield, Town of	230125	6,573	2/17/1988*
Flagstaff TWP, T04 R04 BKP WKR	230729	-	NSFA
Forsyth TWP, T06 R02 NBKP	230730	-	NSFA
Hammond TWP, T03 R04 NBKP	230731	-	NSFA
Harmony, Town of	230360	954	9/27/1985
Hartland, Town of	230361	1,816	1/1/1991
Highland PLT	230541	-	NSFA
Hobbsstown TWP T04 R06 BKP WKR	230732	-	NSFA
Holeb TWP, T06 R01 NBKP	230733	-	NSFA
Indian Stream TWP, T1 R6 BKP EKR	230549	-	NSFA
Jackman, Town of	230362	718	9/4/1985
Johnson Mountain TWP, T2 R6 BKP WKR	230550	-	NSFA
King & Bartlett TWP, T04 R05 BKP WKR	230734	-	NSFA
Lexington TWP, T2 R1 BKP WKR	230551	-	NSFA
Little W TWP	230735	-	NSFA
Long Pond TWP, T3 R1 NBKP	230552	-	NSFA
Lower Enchanted TWP, T02 R05 BKP WKR	230736	-	NSFA
Madison, Town of	230126	4,523	7/3/1995*
Mayfield TWP, T02 R02 BKP EKR	230737	-	NSFA
Mercer, Town of	230176	647	5/2/1994*
Misery Gore TWP	230553	-	NSFA
Misery TWP, T02 R07 BKP WKR	230738	-	NSFA
Moose River, Town of	230363	219	1/17/1975
Moscow, Town of	230364	577	11/1/1985
Moxie Gore TWP, T1 R5 BKP EKR	230567	-	NSFA
New Portland, Town of	230365	785	8/19/1985
Norridgewock, Town of	230178	3,294	5/6/1996*
Palmyra, Town of	230366	1,953	8/19/1985
Parlin Pond TWP, T3 R7 BKP WKR	230554	-	NSFA
Pierce Pond TWP, T02 R04 BKP WKR	230739	-	NSFA
Pittsfield, Town of	230127	4,214	1/19/1996*
Pittston Academy Grant TWP, T2 R4 NBKP	230555	-	NSFA
Pleasant Ridge PLT	230367	83	11/1/1985
Plymouth TWP, T01 R04 NBKP	230740	-	NSFA
Prentiss TWP, T04 R04 NBKP	230741	-	NSFA
Ripley, Town of	230368	452	9/27/1985
Rockwood Strip TWP, T01 R01 NBKP	230467	390	12/1/1987

Rockwood Strip TWP, T02 R01 NBKP	230634	-	NSFA
Russell Pond TWP, T05 R16 WELS	230742	-	NSFA
Sandbar Tract TWP	230744	-	NSFA
Sandwich Academy TWP, T02 R01 NBKP	230745	-	NSFA
Sandy Bay TWP, T05 R03 NBKP	230746	-	NSFA
Sapling TWP, T1 R7 BKP WKR	230556	-	NSFA
Seboomook TWP	230747	-	NSFA
Skowhegan, Town of	230128	8,824	9/20/1995*
Smithfield, Town of	230370	930	9/4/1985
Soldiertown TWP, T02 R03 NBKP	230748	-	NSFA
Solon, Town of	230371	940	8/19/1985
Squaretown TWP, T2 R5 BKP EKR	230557	-	NSFA
St. Albans, Town of	230369	1,836	9/27/1985
St. John TWP, T06 R16 WELS	230743	-	NSFA
Starks, Town of	230372	578	5/20/1996*
T03 R04 BKP WKR	230559	-	NSFA
T03 R05 BKP WKR	230754	-	NSFA
T04 R05 NBKP	230755	-	NSFA
T04 R17 WELS	230756	-	NSFA
T05 R06 BKP WKR	230757	-	NSFA
T05 R07 BKP WKR	230758	-	NSFA
T05 R17 WELS	230759	-	NSFA
T05 R18 WELS	230560	-	NSFA
T05 R19 WELS	230561	-	NSFA
T05 R20 WELS	230562	-	NSFA
T06 R17 WELS	230760	-	NSFA
T06 R18 WELS	230563	-	NSFA
T07 R16 WELS	230761	-	NSFA
T07 R17 WELS	230564	-	NSFA
T07 R18 WELS	230762	-	NSFA
T07 R19 WELS	230763	-	NSFA
T08 R16 WELS	230764	-	NSFA
T08 R17 WELS	230874	-	NSFA
T08 R18 WELS	230565	-	NSFA
T08 R19 WELS	230566	-	NSFA
T09 R16 WELS	230875	-	NSFA
T09 R17 WELS	230876	-	NSFA

T09 R18 WELS	230877	-	NSFA
T10 R16 WELS	230878	-	NSFA
Taunton & Raynham Academy Grant TWP, T1 R1 NBKP	230544	-	NSFA
Ten Thousand Acre Tract TWP, T1 R6 BKP WKR, TWP	230749	-	NSFA
The Forks PLT	230542	-	NSFA
Thorndike TWP, T03 R02 NBKP	230750	-	NSFA
Tomhegan TWP, T01 R02 NBKP	230558	-	NSFA
Upper Enchanted TWP, T3 R6 BKP WKR	230751	-	NSFA
West Forks PLT	230543	-	NSFA
West Middlesex Canal Grant TWP, T1 R3 NBKP	230752	-	NSFA
TOTAL		50,333	

Description of Somerset County

Somerset County, centrally located in the State of Maine (fig. 1, 2), encompasses an area of 3,926 square miles (mi²) and comprises 27 municipalities (26 towns and 1 plantation) and 89 unorganized townships and plantations (table 1, fig. 1, 2). The southern end of the county is only one hour from Portland, the State's largest city. The northern end of the county is only one and a half hours from the city of Quebec. The total population in Somerset County reported by the 2000 census was approximately 50,890 people. The population for the 2000 census represents a 2-percent increase over the population reported in the 1990 census (49,400 people) and a 13-percent increase over the population reported in the 1980 census (44,500 people) (University of Maine, 2004; U.S. Census Bureau, 2002). The four largest communities in Somerset County have populations that vary from just under 9000 to just over 4000.

There are approximately 952 ponds and lakes in Somerset County ranging in surface area from 0.08 acres (Unnamed Pond, in Chase Stream Township) to 75,470 acres (118 mi²) (Moosehead Lake) (Maine Office of Geographic Information Systems written commun., November 2005). Moosehead Lake, the largest lake in Maine, is not in Somerset County proper but composes the boundaries of Little W, Big W, Seboomook, Tomhegan, and Sapling Townships, Misery Gore, Rockwood Strip, and Taunton and Raynham Academy Grant. Total surface area of lakes and ponds in Somerset county is approximately 105,000 acres (165 mi²) (this figure does not include the surface area of Moosehead Lake). The median pond size is 4.6 acres. There are approximately 3,290 mi of rivers and streams in Somerset County (fig 3, 4).

Three major highways pass through Somerset County. U.S. route 201, which runs north-south, U.S. Route 2, which runs east-west, and Interstate 95 in the south-eastern corner. Somerset County's economy includes natural resource based companies such as paper manufacturers and sawmills and boasts being one of the top maple syrup producing counties in the United States. Somerset County is also home to leading edge businesses that manufacture electronic components and there is a new Bio-Tech park. Somerset County is the gateway to the mountains, lakes, rivers and forests of western Maine. Maine's four seasons offer opportunities to experience skiing, fishing, white water rafting, hiking, snowmobiling and many other recreational activities (Maine Floodplain Management Program, State Planning Office, written commun. March 22, 2006).

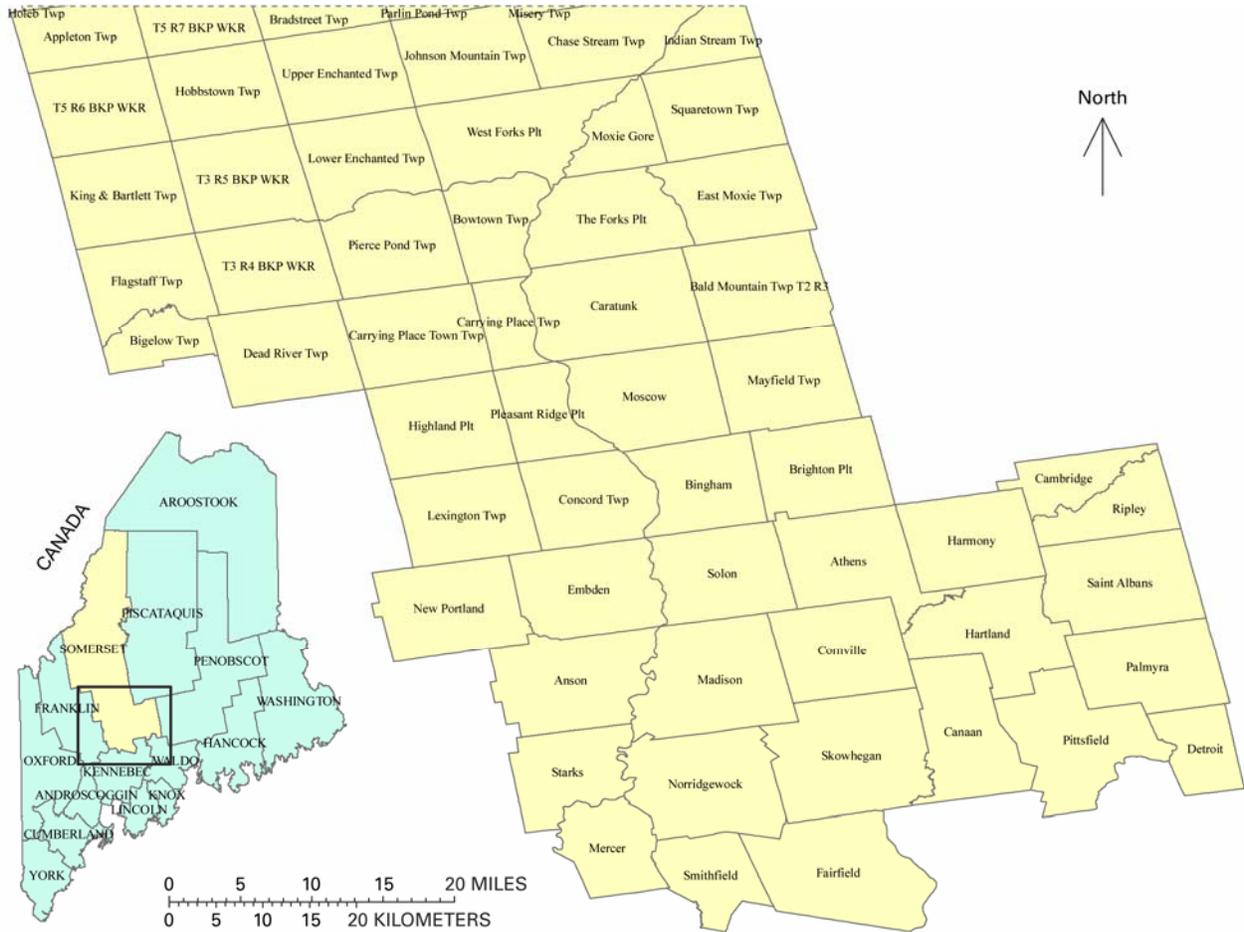


Figure 1. Communities and unorganized territories in (southern) Somerset County, Maine.

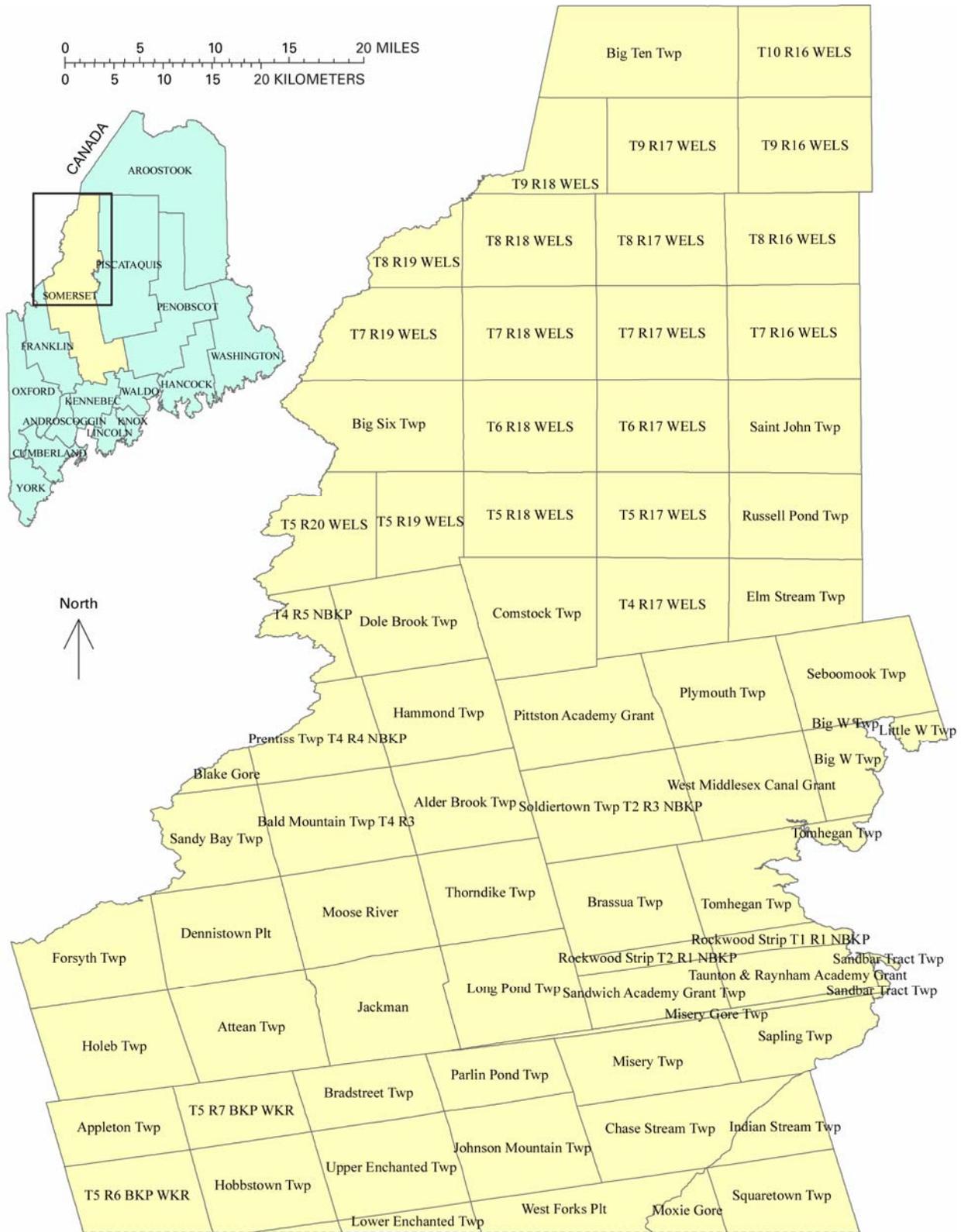


Figure 2. Communities and unorganized territories in (northern) Somerset County, Maine.

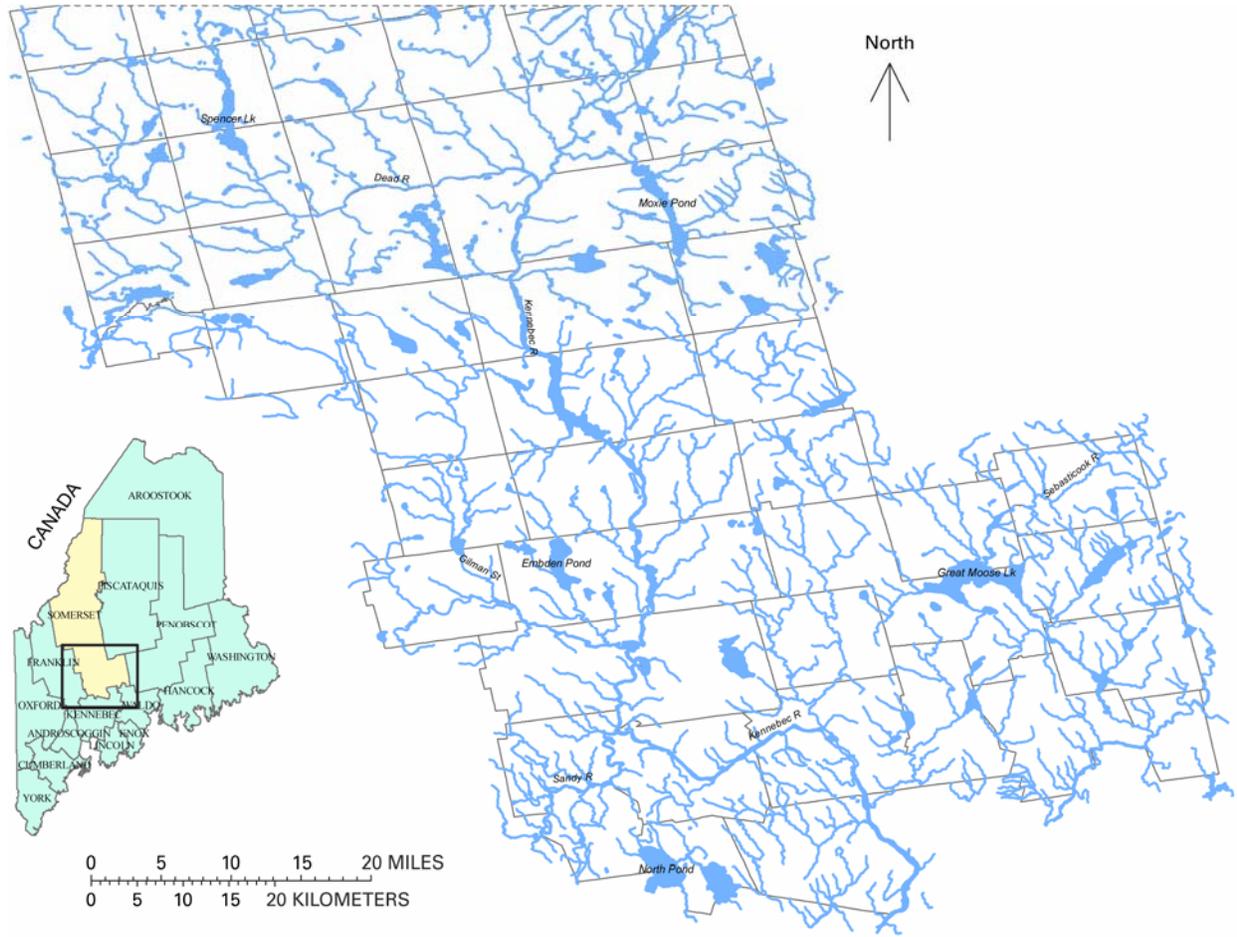


Figure 3. Hydrology of (southern) Somerset County, Maine.

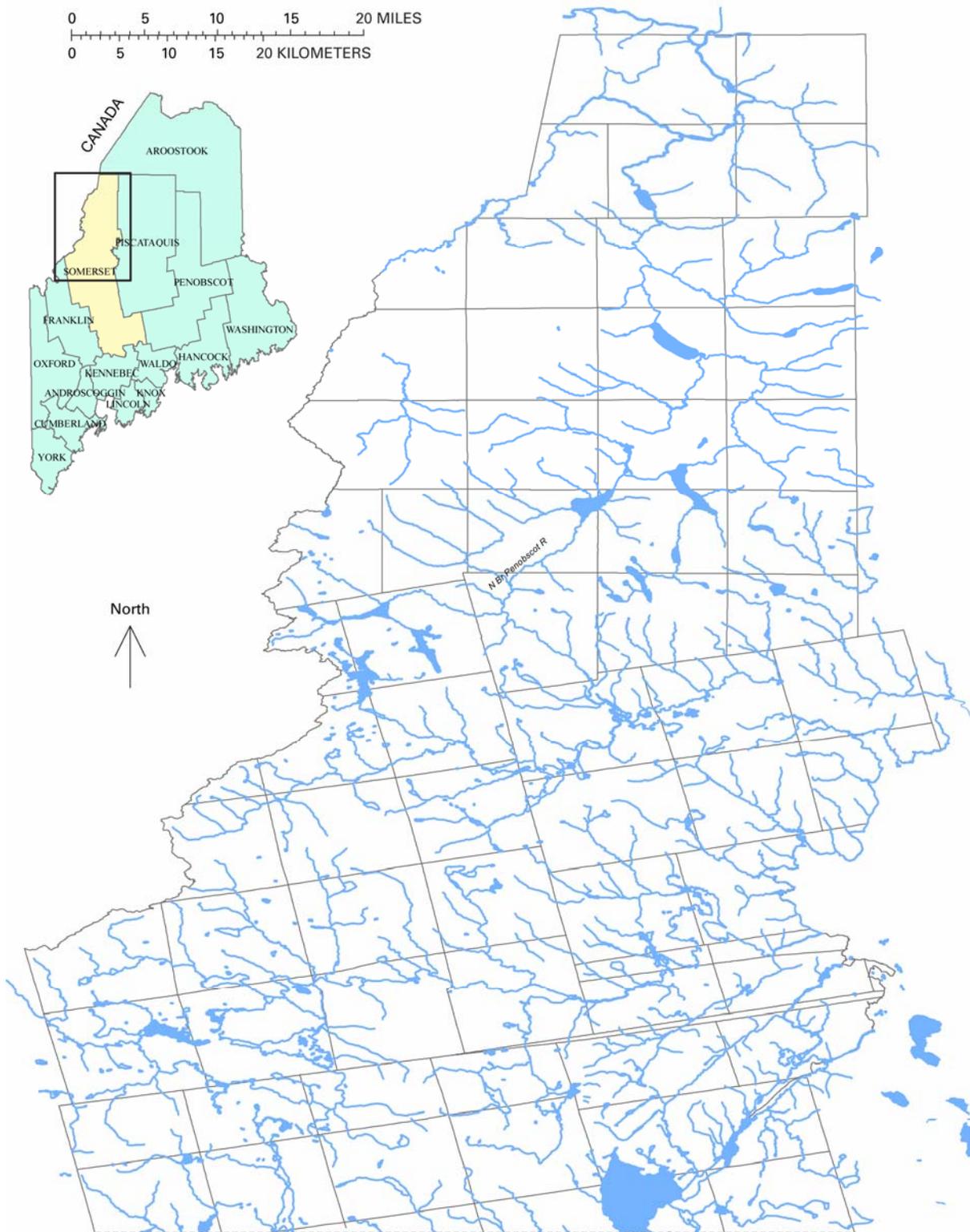


Figure 4. Hydrology of (northern) Somerset County, Maine.

Section 2. Available Flood-Mapping Data and Mapping Needs

Flood-mapping data and mapping needs available prior to community scoping meetings were identified in pre-scoping efforts as part of National Services Provider (NSP) Task Order Number 4 (Burm, 2005). For the scoping activities documented in this report, the USGS reviewed the pre-scoping report to ensure the data contained in this report is utilized to the maximum extent possible and to avoid duplication of effort.

Community FISs and FIRMs

There are 8 communities that have FIRMs with active FIS reports in Somerset county and 22 communities with FIRMs with only unnumbered A-zones; the remainder of the communities are designated as having no specific flood hazard areas (NSFHA) (table 1; Burm, 2005). There are 82 riverine flood profiles for Somerset County. Communities with FIS reports, with A-zone FIRMS, and communities with unmapped NSFHAs are itemized and flood profiles are summarized by community in the March 2005 Pre-scoping Report for Somerset County (Burm, 2005).

The effective map dates range from 1975 in the Town of Moose River to 2000 in the Town of Starks. Approximately two-thirds of the FIRMs in Somerset County are 20 years old or older; 93 percent are 10 years or older. The oldest FIRM is 31 years old, the most recent is 6 years old, and the average age is approximately 18 years. It is important to note that the effective map date is the date the map was last revised. Some revisions were minor adjustments and did not affect entire map panels. As a result, much of the information depicted on the county's floodplain maps is likely to be older than 18 years.

State of Maine Best Available Data (BAD) for Unnumbered A-Zones

The Maine Floodplain Management Program has developed, over several years, a data set that tabulates information about the best available data (base flood elevations) for water bodies designated as unnumbered "A" zones on flood maps for communities throughout the State. The base flood elevations tabulated in this data set are derived from hydrologic and (or) hydraulic studies of water bodies that may be published in FISs for adjacent communities or published as part of flood studies not directly related to FEMA FISs (e.g. Army Corps of Engineer projects, Natural Resources Conservation Service projects, and Letter of Map Changes). These data are used in this report as part of the prioritization of mapping needs for a community (see section: Scope and Prioritization of Mapping Needs in Somerset County). The existence of these data was documented in the March 2005 Pre-scoping Report for Somerset County (Burm, 2005) and are documented in the appendix of this report on a community-by-community basis. Information about these data is available from the Maine Floodplain Management Program web site at: <http://www.state.me.us/spo/flood/bad/>

Letters of Map Change (LOMCs)

A Letter of Map Change (LOMC) is a letter issued by FEMA in response to a request to revise or amend an effective National Flood Insurance Program (NFIP) map to remove a property or reflect changed flooding conditions on the effective map. LOMCs may include Letters of Amendments (LOMAs), Letters of Map Revisions (LOMRs), and Letter of Map Revision based on Fill (LOMR-F) as defined below:

- LOMAs: A LOMA is an official amendment, by letter, to an effective NFIP map. A LOMA establishes the property location in relation to the Special Flood Hazard Area (SFHA). There is no appeal period for LOMAs, and the letter becomes effective the date that it is sent.
- LOMRs: A LOMR is an official revision, by letter, to an effective NFIP map. A LOMR may change flood-insurance risk zones, floodplain and (or) floodway boundary delineations, planimetric features, and (or) Base Flood Elevations (BFEs). The effective date of a LOMR depends on the type of change requested. For example, some LOMR's are effective on the date that the letter is issued and others become effective following an appeal period (typically 30 to 90 days or 6 months).
- LOMR-F: A Letter of Map Revision based on Fill (LOMR-F) may be filed as a special case of the LOMR. A LOMR-F provides FEMA's determination concerning whether a structure or parcel has been elevated on fill above the BFE and excluded from the SFHA. A LOMR-F is an official revision, by letter, to an effective NFIP map. The letter becomes effective on the date that it is sent.

In addition to the categories above, *conditional* LOMAs, LOMRs, and LOMR-Fs may be issued by FEMA to comment on a proposed project. The letter does not revise an effective NFIP map, but indicates whether the project, if built as proposed, would be recognized by FEMA.

LOMCs in Somerset County

The presence and number of LOMCs in a community can be an indication of increasing development in a community and (or) problematic flood hazard boundaries. LOMCs are used in this report as part of the prioritization of mapping needs for a community (see section: Scope and Prioritization of Mapping Needs in Somerset County). The March 2005 Prescoping Report for Somerset County (Burm, 2005) tabulates LOMC data for the county. A Geographic Information System (GIS) digital data set representing georeferenced locations of LOMCs within Somerset County was created as part of the pre-scoping effort.

Community Flood Ordinances

The Maine Floodplain Management Program provides all participating communities (92 percent of the State's communities) with model floodplain management ordinances, guidance and review, and maintains all community flood ordinances on file. As documented in the March 2005 Pre-scoping Report for Somerset County (Burm, 2005), the contact for community flood ordinances is the Maine Floodplain Management Program:

Brigitte Ndikum-Nyada
 Planning and Research Associate
 Maine Floodplain Management Program
 State Planning Office
 184 State Street, 38 SHS
 Augusta, ME 04333
 Tel: 207-287-8932
 Fax: 207-287-6489

Mapping Needs Update Support System (MNUSS)

In accordance with section 575 of the National Flood Insurance Reform Act of 1994, FEMA assesses "...the need to revise and update all floodplain areas and flood risk zones identified, delineated, or established based on an analysis of all natural hazards affecting flood risks." FEMA initiated the Mapping Needs Assessment (MNA) process, which identifies and prioritizes flood hazard mapping needs for communities nationwide. As part of this effort, FEMA developed the Mapping Needs Update Support System (MNUSS), which is an interactive, web-based software application that maintains an inventory of needs for future map updates. In particular, MNUSS stores information on the following two types of update needs:

- **Map Maintenance Needs:** Includes changes to base map information, such as the addition of new roads, changes to corporate limits, and incorporation of LOMCs.
- **Flood Data Update Needs:** Includes changes to flood hazard areas as a result of changes in hydrologic and hydraulic conditions, changes to Base Flood Elevations (BFEs), and (or) changes in the floodplain delineation.

Mapping needs may be viewed and entered into MNUSS by a variety of parties, including FEMA Headquarters and Regional offices, state NFIP coordinators, study contractors, Cooperating Technical Partners (CTPs), and other Federal agencies, such as the U.S. Army Corps of Engineers (USACE) and the USGS. All new or edit needs are reviewed and approved by the FEMA MNUSS controller prior to entry into the system.

The March 2005 Pre-scoping Report for Somerset County (Burm, 2005) tabulates MNUSS entries for the county. As part of the scoping process, existing entries in MNUSS were retrieved by USGS and reviewed with the State Planning Office Floodplain Management Program and community representatives. The review process resulted in the identification of duplicate, outdated, missing, and (or) erroneous entries. These findings will provide the basis for updates to MNUSS or its successor upon completion of the scoping report. Existing MNUSS entries are compiled in appendix D.

Community Assistance Visits (CAVs) and Community Assessment Contacts (CACs)

CAVs and CACs provide assistance to communities regarding the administration and enforcement of their floodplain management ordinances. CAV and CAC data for the county are tabulated in the March 2005 Pre-scoping Report for Somerset County (Burm, 2005) and are listed in the appendix of this report (Appendix A).

GIS Data

Most GIS data in Maine reside with the Maine Office of GIS (MEGIS) as the agency acts as a central repository for these data. Although not every community shares their GIS data with MEGIS, many data sets are shared and served over the Internet. Data can be accessed on the MEGIS web site at: <http://apollo.ogis.state.me.us/>. Community-specific data that is not shared with MEGIS are documented as part of the community scoping-meeting process (see interview data in Appendix). All data served by MEGIS are referenced to North American Datum 1983 (NAD83), Universal Transverse Mercator (UTM) Zone 19, in meters, and are available to FEMA.

Base Map Data

Base map layers maintained by MEGIS include features such as roads, streams, and political boundaries. Base map data layers have been acquired from a variety of sources including the USGS data and represent many of the feature types found on USGS topographic maps. More recently developed data were derived from various sources providing improved base map accuracy. Existing coverages maintained by MEGIS can be linked to or viewed at the following URL:

<http://apollo.ogis.state.me.us/>

Only the most northern quarter of Somerset County has no digital orthophotography available (fig. 5). The most detailed orthophotography (2-foot resolution) is in the southern half (most populated part) of Somerset county; the 2-foot (each image pixel representing a planimetric square 2 feet on a side) imagery data set is a true-color mosaic of high-resolution digital orthophotographs produced from aerial photos collected over areas of southwest Maine in 2003 and 2004 (fig. 5).

The remaining quarter of the county has black and white USGS digital orthophoto quarter quadrangle (USGS DOQQ, 1:12,000; 1998, 1992) data available as documented in the March 2005 Pre-scoping Report for Somerset County (Burm, 2005). The DOQQs are FEMA's default standard for the base map. The accuracy and quality of the DOQQs meets National Map Accuracy Standards at 1:12,000 scale for 3.75-minute quarter quadrangles, plus or minus 33.33 feet or 10 meters.

Community-specific aerial photography is documented as part of the community scoping-meeting process (see Appendix). The town of Fairfield indicated they had aerial photography shot in 1990 in hard-copy format only – scale unknown. The town of Norridgewock has had aerial photography done, though date, scale, and format are unknown. The town of Jackman does not have their own aerial photography data, but indicated that they have local people that can do aerial photography and that the town may consider cost sharing if necessary. The town of Solon has color aerial photography shot in 1999. The town of Skowhegan indicated they have aerial photography over various dates, though dates, scale, and format are unknown.

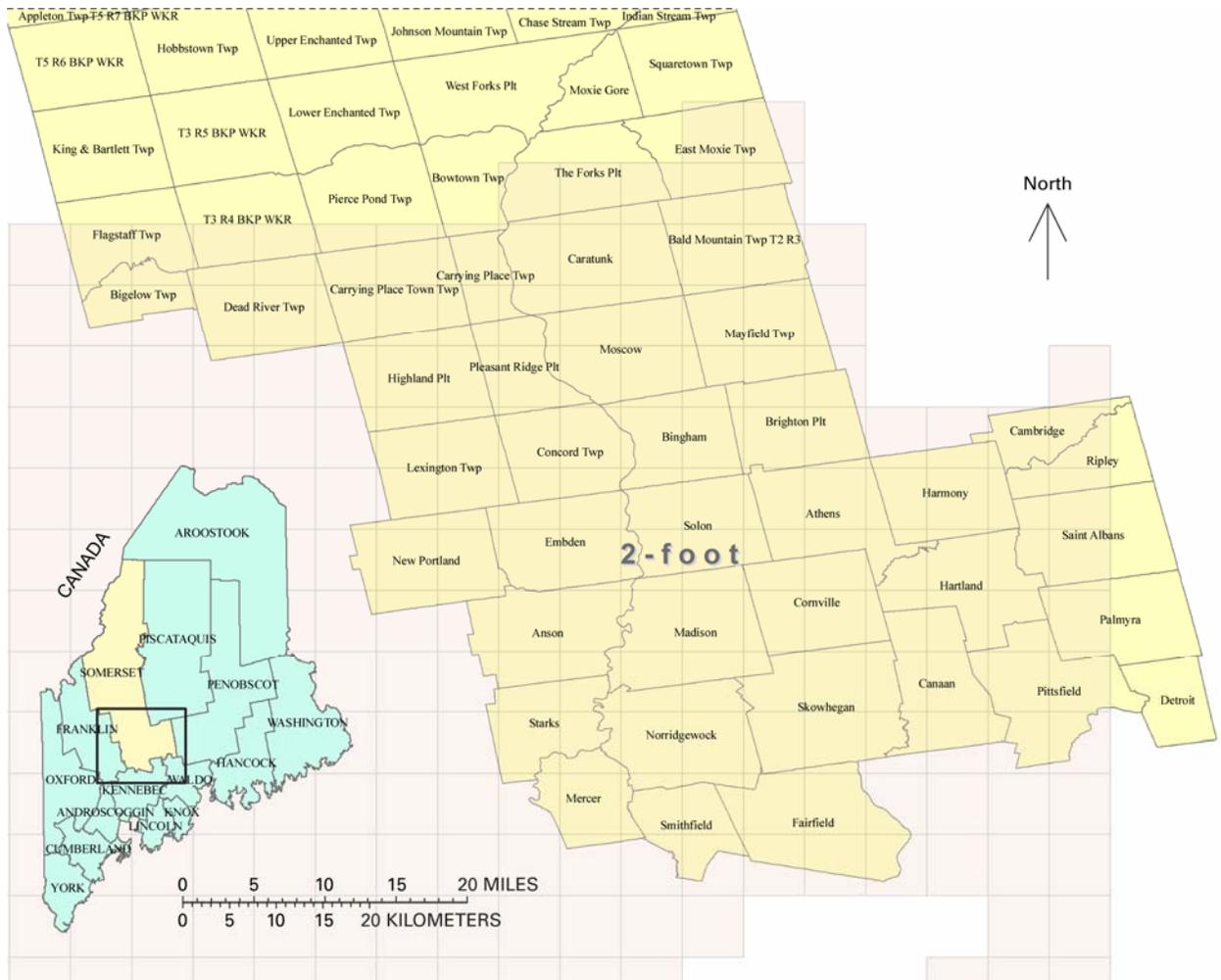


Figure 5. Orthophotography index for Somerset County, Maine. Index grid shows coverage of 2-foot (each image pixel representing a planimetric square 2 foot on a side) orthophotography archived and served through the internet by the Maine Office of Geographic Information Systems (MEGIS).

Topographic Data

Digitally scanned USGS 7.5-minute quadrangles provide topographic data for the entire state of Maine with 10- and 20-ft contour intervals, variable by location. Digital Elevation Models (DEM) also are available through the USGS National Elevation Dataset (NED). The NED has been developed by merging the highest-resolution, best quality elevation data available across the United States into a seamless raster format. NED horizontal datum for Maine is NAD83 and vertical datum is North American Vertical Datum 1988 (NAVD88). The NED is continually updated as best available DEM data become available. DEM data with 30 meter (m) resolution (each raster pixel represents a planimetric square 30 meters on a side) are available for the entire state of Maine. DEM data with 10-m resolution (1/3 arc second) are available for the entire state of Maine except for extreme northern Somerset and Oxford Counties. DEM data can be downloaded through the USGS Seamless Data Distribution Web site at http://seamless.usgs.gov/web_site/seamless/viewer.ph.

The Maine Department of Transportation (MDOT) routinely collects detailed topographic data for highway projects. The data are typically limited to an area within 300 ft of the centerline of the

highway. The scope, scale, and accuracy of the data are project specific and depend on the flight level of the survey. MDOT does not maintain any kind of searchable database cataloging these data. The MDOT Survey and Photogrammetric Group is willing to search their files for available data if they are provided a GIS shapefile of an area of interest. As of this draft, MDOT has been provided GIS shapefiles of scoped study areas for Somerset County. Availability of data is pending. The primary contact for topographic data from the MDOT Survey and Photogrammetric Group is Tim Liseige, Photogrammetric and Control Engineer, (207) 624-3493, tim.liseige@maine.gov.

Community-specific topographic data are documented as part of the community scoping-meeting process (see Appendix). The town of Jackman indicated that they have limited contour data on Wood Pond collected in support of a sewer project in 1984. The planning board representative for the town of Solon thinks that their 1999 color photography may be useable for deriving topography data but suspects there may be too many leaves on the trees at the time the photographs were shot. The town of Skowhegan indicated that 3-foot contour data for the downtown area are available upon request through the Maine Department of Transportation (MDOT).

Hydrography Data

MEGIS, in cooperation with the USGS, is currently enhancing Maine's 1:24,000 digital hydrography data to create National Hydrography Dataset (NHD) high-resolution data (spatial data describing hydrologic features). The NHD data are partitioned into the following layers: streams, ponds, rivers, coast, and National Wetlands Inventory (NWI) data. Progress in this effort is ongoing—the current status of these data can be determined by contacting MEGIS at (207) 624-8800 or by visiting their web site <http://apollo.ogis.state.me.us/>. NHD data are available for download from the NHD geodatabase at <http://nhdgeo.usgs.gov/viewer.htm>.

Community-specific hydrography data are documented as part of the community scoping-meeting process (see Appendix). Only the town of Skowhegan indicated that they had community-specific hydrography data. The town of Skowhegan indicated they have a limited hydrologic/hydraulic study at the site of the New Balance warehouse.

Community GIS Contact Information

The March 2005 Pre-scoping Report for Somerset County (Burm, 2005) documented the GIS capabilities of communities in Somerset County. Additional GIS contact information obtained through community scoping meetings is provided in the Appendix on a community by community basis as part of the interview data.

Community Meetings and Contacts

One community scoping meeting was held for Somerset County at the Skowhegan Community Center, on Thursday, November 3rd, from 6 to 8 p.m. An invitation letter (with agenda) specifying the time and place and purpose of the meeting was mailed to at least two community officials in every municipality. The letters were addressed to the community code enforcement officer and to the community manager or first selectperson. Planners and surveyors were invited if they were known to the Maine Floodplain Management Program to be involved in floodplain management for their community. Letters were mailed to the Land Use Regulatory Commission (LURC) which provides land use and other governmental functions for the unorganized territories and townships, and to regional planning commissions, and the county emergency management agency (EMA) director. Example copies of the letter and meeting agenda are attached to this report.

The goals of these meetings were to

- Inform the communities of the nature and the intent of the flood map update process, and
- Solicit community input and discuss the flood-prone areas that communities would like to include as a part of the flood map update.

Robert Dudley, USGS Maine Water Science Center, Bonnie Cowle, Maine Floodplain Management Program, and Stuart Rooney, Watershed Concepts representing FEMA, conducted the meeting. Community representatives were provided an overview of the Map Modernization Program and the map production schedule and technical process.

The latter part of the meeting involved breaking out into small groups with group leaders from USGS, Maine Floodplain Management Program, and Watershed Concepts. The group leaders administered and assisted with the completion of map needs interview forms (example attached, Appendix E). Community representatives were provided copies of their community's flood maps and were encouraged to mark them up as necessary. These marked-up flood maps reside with the Maine Floodplain Management Program. Community representatives were asked to explain and prioritize their needs if possible.

MNUSS entries were reviewed with community representatives for verification. The following two common issues were identified: (1) most MNUSS entries address needs which would be fulfilled with improved base maps such as street locations, street names, and overall difficulty using the map due to lack of distinguishing ground features; and (2) the field indicating "anticipated BFE change" was commonly confused with how much the community thought the BFE was in error — for example, the field may indicate "Increased By 1 to 5 feet" but the need notes may indicate a hydraulic structure change that would result in a lower BFE, so in this case the "anticipated BFE change" field is populated with a value of how much the community thinks the BFE is in error rather than how much the BFE is expected to change should the reach be restudied.

During the scoping meetings, the Maine Floodplain Management Program's Best Available Data (BAD) were reviewed with each community representative if BAD data existed for that community. The review was done to make the community aware of the information if they were not already aware of it, and to solicit input on BAD data if any additional information was available to the community that was not listed in the State Planning Office's (SPO) BAD database.

The following three subject areas encompass the data gathered from the scoping meeting process and completion of interview forms: (1) community contact information, (2) areas of the existing flood maps where there are significant problems (poor mapping or development pressures) or changes to hydrologic/hydraulic conditions, and (3) community mapping resources. Communities that did not attend the meetings were sent interview forms, MNUSS entries, and BAD data and asked to review, complete, and return them. The data from the scoping meetings were entered into the watershed information system (WISE) scoping application and are reported for each community in the Appendix as part of the interview data (Appendix B, C, and D).

Scope and Prioritization of Mapping Needs in Somerset County

USGS staff (Robert Dudley, Charles Schalk) met with Maine Floodplain Management Program staff (Lou Sidell, Bonnie Cowle) in September 2005 as an initial kick-off meeting for the scoping process. An action item resulting from that meeting involved Maine Floodplain Management Program staff arriving at a list of factors that should be considered for prioritizing potential mapping needs in the county. Table 2 lists the factors and their qualitative weight, as determined by Maine Floodplain Management Program staff, to be considered for prioritization of flood mapping needs in the county.

Table 2. Maine Floodplain Management Program factors and qualitative weight for prioritization of community-based flood mapping needs in Somerset County.

[Prioritization factors are listed approximately in order from highest to lowest importance; LOMCs, Letters of map change; MNUSS, Mapping needs update support system]

Community Prioritization Factors	Weight
Map age	Very High
Map type	Very High
Population	High
Population growth	High
Number of LOMCs	High
Number of insurance policies	High
Ratio of insurance policies to claims	Medium
Presence of best available data	Medium
Number of shoreland zoning permits in the vicinity of the water body	Medium
Community-specified map needs that coincide with map needs documented in the Maine Floodplain Management Database and MNUSS	Medium to Low
Repetitive loss	Medium

Mapping needs were grouped into one of four different types of studies required to create or update flood hazard zones.

- **Baseline–DFIRM only:** The most economical method of creating a countywide DFIRM is through digitizing flood-hazard information from the effective FIRMs and FISs onto new mapping. This baseline option is currently being undertaken by MEGIS and other FEMA contractors.
- **Redelineation:** Existing hydrologic and hydraulic studies of the water body are adequate and the water body requires only the redelineation of the base flood elevations using updated topographic data.
- **Limited Detailed Study:** Automated tools are used to produce digital information or floodmapping for the water body in question has already been studied in detail and requires limited technical reworking of the hydrologic and (or) hydraulic analysis or the water body in question has not been studied in detail but it is expected that approximate methods would suffice to adequately map the flood hazard.
- **Detailed Study:** Can be performed to develop the digital information, including field surveyed cross-sections and structures. Because this is the most expensive type of study that FEMA can perform, the scope of the detailed study may be limited.

Note that Detail and Limited Detail studies are also assumed to need redelineation using updated topographic data, incorporating results from the new hydrologic and (or) hydraulic analyses.

USGS staff (Robert Dudley, Charles Schalk) met with Maine Floodplain Management Program staff (Bonnie Cowle) December 5, 2005 to review interview data and marked-up maps and to arrive at an initial list of mapping needs for the county. The map needs derived through this meeting were entered into the WISE scoping application. During this meeting, Maine Floodplain Management

Program staff provided first-cut prioritization on a scale from 1 to 3 (1=highest) on the basis of community need and historical community involvement in floodplain management.

Other first-cut prioritization factors included BAD, connectivity, and historically documented mapping needs. Higher priority was given to A-zone waterbodies with existing BAD where maps could be created or greatly improved by simply collecting improved topographic information and redelineating existing detailed base flood elevations. Higher priority was given to waterbodies with high connectivity, where connectivity is a measure of the number of neighboring communities that are adjacent to or would otherwise benefit from improved mapping of a particular water body. For example, an A-zone river reach that connected to a detail study upstream or spanned multiple communities or a lake that bordered multiple communities would receive higher priority than a pond contained within the corporate limits of a single community. Higher priority was given to waterbodies that had been historically documented as a mapping need in either the Maine Floodplain Management Program's Database or MNUSS or both. Historical documentation of a mapping need is indicative of an ongoing need that has been known to be a need in the past.

Prioritized Mapping Needs and Scopes

Mapping needs for the county compiled in consultation with the Maine Floodplain Management Program were ranked on the basis of prioritization scoring factors (table 3). Summing the scoring factors produced a community-based prioritized list of mapping needs involving redelineation, limited detail study, or detail study (table 4, fig. 6).

A second community-based prioritized list was created for map digitization only (table 5, fig. 6). This second list provides a way to prioritize communities that need modernized maps but do not necessarily have map revision needs (redelineation, limited detail study, or detail study). The scoring formula for this prioritized list used the same factors as those used for table 4 except for presence of BAD, historical mapping needs, water body priority, and water body connectivity.

Table 3. Scoring formula for prioritization of community-based flood mapping needs in Somerset County.

[Min, minimum data value for the variable of interest; Max, maximum data value for the variable of interest; N/A, not applicable; mi², square miles; BAD, best available data; LOMCs, letters of map change; Maine Floodplain Management map type codes: b, unnumbered A-zones only; c, base- flood elevations without floodway; d, base-flood elevations with floodway; e, coastal]

Community population ¹		Presence of BAD		Historical mapping need coincides with community-specified need	
Range	Score	Range	Score	Range	Score
Min = 83 Max= 4,214	1 point per 500 people; maximum of 50 points	Yes	10 points	Yes	5 points
		No	0	No	0
Population Density (people/mi ²)		Number of insurance policies		Number of LOMCs	
Range	Score	Range	Score	Range	Score
Min= 4 Max= 89	1 point per 10 people/mi ² ; maximum of 50 points	Min= 0 Max= 27	1 point per policy	Min= 0 Max= 42	1 point per LOMC
Population Growth ² (percent)		Ratio of claims to policies		Number of shoreland zoning permits	
Range	Score	Range	Score	Range	Score
Min= -28 Max= 70	1 point per 5 percent (can be negative)	Min= 0 Max= 1.2	5 points x the ratio of claims to policies	Min= 0 Max= 68	0.2 point per shoreland zoning permit
Map age (years)		Number of repetitive loss claims		Water body connectivity	
Range	Score	Range	Score	Range	Score
Min= 10 Max= 21	1 point per year	Min= 0 Max= 2	1 point per repetitive loss claim	Min= 1 Max= 16	1 point per connected community
Map type		Water body priority			
Range	Score	Range	Score		
b	20 points	1 (highest)	10 points		
c	10	2	6		
d	5	3 (lowest)	3		
e	5				

¹ On the basis of the 2000 census.

² Population growth computed for the period 1980-2000.

Table 4. Prioritized community-based flood mapping needs in Somerset County requiring redelineation, limited detail study, or detail study.

Rank	Water body	Community	Study Type	Score
1	Indian Pond	St. Albans, Town of	Redelineation	131.8
2	Great Moose Lake	St. Albans, Town of	Redelineation	124.8
3	Indian Stream	St. Albans, Town of	Redelineation	119.8
4	Great Moose Lake	Hartland, Town of	Redelineation	110.9
5	Sibley Pond	Canaan, Town of	Redelineation	109.3
6	Morrill Pond	Hartland, Town of	Redelineation	104.9
7	Mulligan Stream	St. Albans, Town of	Detail Study	101.8
8	Great Moose Lake	Harmony, Town of	Redelineation	93.2
9	Moosehead Lake	Rockwood Strip TWP, T01 R01 NBKP	Redelineation	90.0
10	Sebasticook River	Hartland, Town of	Detail Study	89.9
11	Carrabassett Stream	Canaan, Town of	Detail Study	88.3
12	Sibley Pond	Pittsfield, Town of	Redelineation	87.6
13	North Pond	Smithfield, Town of	Redelineation	85.9
14	Whites Pond	Palmyra, Town of	Redelineation	83.2
15	Carrabassett River	New Portland, Town of	Detail Study	80.5
16	Wood Pond	Jackman, Town of	Redelineation	74.9
17	Kennebec River	Concord TWP	Redelineation	74.1
18	Sebasticook River	Palmyra, Town of	Detail Study	73.2
19	Long Pond	Jackman, Town of	Redelineation	72.9
20	Farnham Brook	Pittsfield, Town of	Detail Study	70.6
21	Sebasticook River	Pittsfield, Town of	Detail Study	69.6
22	Nokomis Pond	Palmyra, Town of	Detail Study	67.2
23	Austin Stream	Moscow, Town of	Redelineation	66.9
24	Ironbound Pond	Solon, Town of	Detail Study	66.5
25	Lemon Stream	New Portland, Town of	Detail Study	65.5
26	Gilman Pond	New Portland, Town of	Detail Study	63.5
27	Higgins Brook	Harmony, Town of	Detail Study	63.2
28	Lake Como	Harmony, Town of	Detail Study	63.2
29	Ripley Pond	Ripley, Town of	Redelineation	62.6
30	Gilman Stream	New Portland, Town of	Detail Study	62.5
31	East Pond	Smithfield, Town of	Detail Study	60.9
32	Fall Brook	Solon, Town of	Detail Study	59.5
33	Barker Pond	Cornville, Town of	Detail Study	58.5
34	West Branch Wesserunsett	Athens, Town of	Detail Study	56.5
35	Brassua Lake	Rockwood Strip TWP, T01 R01 NBKP	Detail Study	56.0
36	Ironbound Pond	Athens, Town of	Detail Study	53.5
37	Wyman Lake	Pleasant Ridge Plt	Detail Study	49.7
38	Moose River	Jackman, Town of	Limited Detail Study	47.9

Table 5. Prioritized community-based flood mapping need in Somerset County on the basis of nonrevised baseline-DFIRM production only.

Rank	Community	Score
1	St. Albans, Town of	129.8
2	Fairfield, Town of	98.8
3	Skowhegan, Town of	93.0
4	Hartland, Town of	91.8
5	Canaan, Town of	79.3
6	Embden, Town of	78.1
7	Norridgewock, Town of	65.7
8	Palmyra, Town of	63.2
9	Harmony, Town of	63.2
10	New Portland, Town of	59.5
11	Pittsfield, Town of	58.6
12	Anson, Town of	57.0
13	Madison, Town of	55.4
14	Cornville, Town of	54.5
15	Smithfield, Town of	52.9
16	Caratunk, Town of	52.7
17	Moose River, Town of	49.5
18	Detroit, Town of	49.1
19	Moscow, Town of	48.9
20	Solon, Town of	48.5
21	Bingham, Town of	47.2
22	Cambridge, Town of	46.0
23	Ripley, Town of	45.6
24	Athens, Town of	45.5
25	Rockwood Strip TWP, T01 R01 NBKP	44.0
26	Concord TWP	43.1
27	Jackman, Town of	42.9
28	Pleasant Ridge PLT	37.6
29	Mercer, Town of	35.2
30	Starks, Town of	28.1

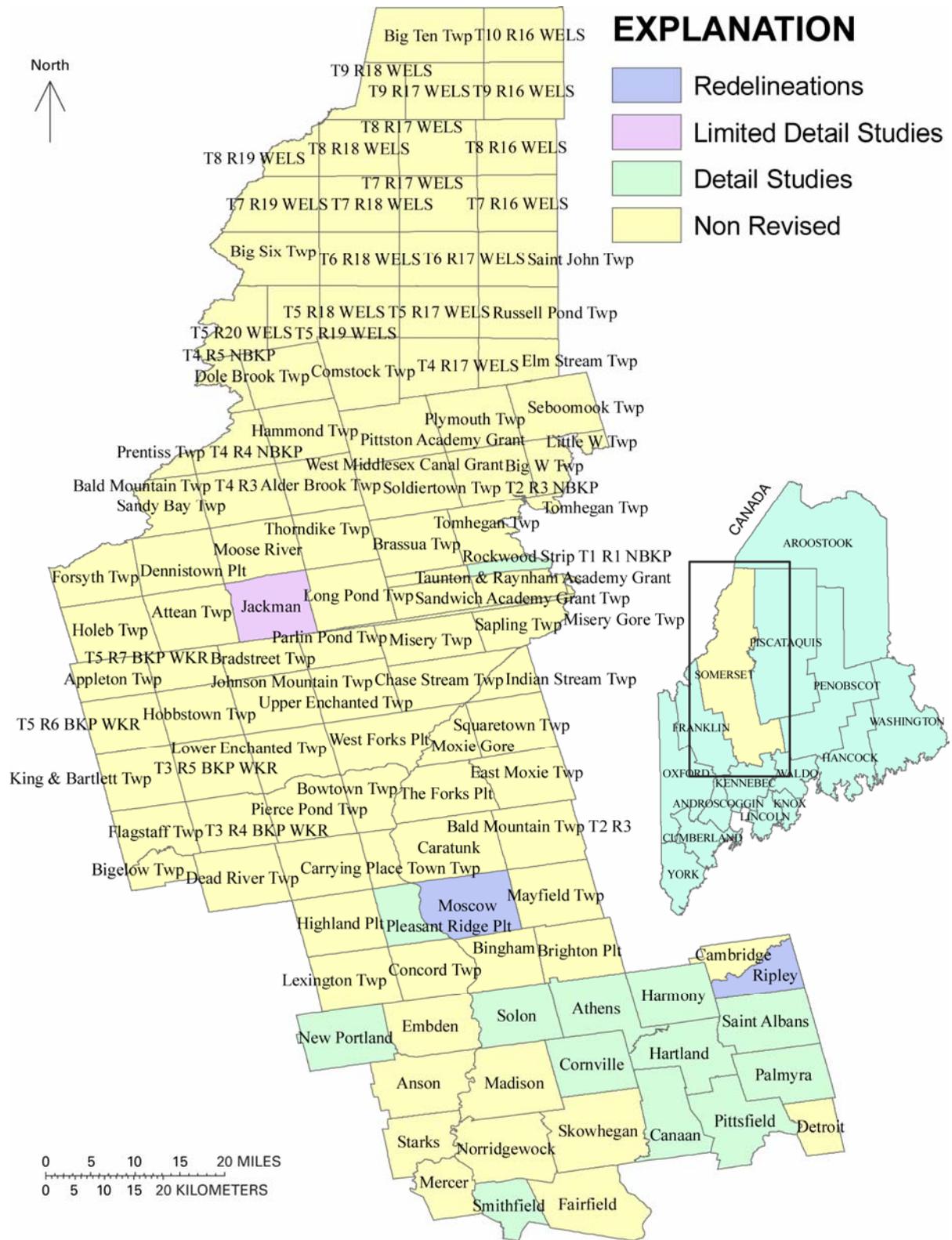


Figure 6. Mapping needs by community in Somerset County.

Project Time and Costs for Identified Mapping Needs

The USGS Maine Water Science Center will provide scoping-level time and cost estimates for the identified study needs for each water body listed in table 4. The time and cost estimates will include costs for hydrologic, hydraulic, and topographic data collection and analyses and mapping, depending on the identified type of study needed for each water body. The time and cost estimates will be submitted to the cooperating agencies (FEMA, Maine Floodplain Management Program) as a separate document as set forth in the scope of work.

Project Alternatives

Costs can be reduced by cutting back on the level of effort for the hydrologic and hydraulic (H&H) analyses and (or) reducing the number of DFIRM panels.

Alternative H&H options that would help FEMA to reduce costs include reducing the study scope from a detailed study to a limited detail study or redelineation of current flood information only. Reducing the number of DFIRM panels by altering the mix of panel scales would lower the total panel count and reduce the estimated DFIRM production cost.

Section 3. Options for Future Mapping and DTM Preparation

Mapping Requirements

This section provides an assessment of the costs and benefits of utilizing the data cataloged in the previous section for the preparation of Digital Flood Insurance Rate Maps (DFIRMs) for Somerset County. Options are presented for using these data sets in various combinations and supplementing them with new data sets.

DFIRMs are produced from three broad categories of geospatial data: (1) Base Map, (2) Digital Terrain Model (DTM), and (3) Flood-Insurance Risk Zones. The spatial accuracy of each of these three categories is fixed by the specifications contained in the Guidelines and Specifications for Flood Hazard Mapping Partners, April 2003 (Guidelines and Specifications).

- **Base Maps:** Base maps are acquired from MEGIS and will be used by FEMA as a “backdrop” to the flood-insurance risk zones shown on the DFIRMs.
- **Digital Terrain Models (DTMs):** DTMs are used in conjunction with hydrologic and hydraulic models to interpret the limits of flood-insurance risk zones. DTMs represent terrain with irregularly-spaced spot elevations (x, y, z) and breaklines that indicate changes in ground slope at features such as the toe or top of channel banks or ridge lines. These data sets are generally photogrammetrically compiled by a mapping contractor from stereo photos and utilized in the form of a Triangulated Irregular Network (TIN) or a Digital Elevation Model (DEM). A DEM uses a regular grid, or raster, spacing of (x, y, z) points to represent the land surface. Each grid cell is assigned an average elevation to represent the elevation of the ground that is covered by the grid cell. A DEM represents the terrain surface with a mesh of regularly spaced points, whereas a TIN uses contiguous triangular planes.
- **Flood-Insurance Risk Zones:** Geographic boundaries produced by FEMA and provided in digital format.

Base Map

Base maps are defined in the Guidelines and Specifications as the “map of the community that depicts cultural features (roads, railroad, bridges, dams, culverts), drainage features, and corporate limits.” Depending on the source of the base map, the specific features found on DFIRMs may include the following data and features:

- **Roads:** centerlines, edge-of-pavement, right-of-way, names.
- **Railroads:** names.
- **Bridges:** names.
- **Flood Control Structures:** headwall, dam, levee, names.
- **Airport Boundaries:** names.
- **Rivers:** centerlines, banks, names.
- **Streams:** names.

- Lakes: names.
- Political Boundaries: county, municipality, special districts, wards, military reservations, Native American lands, names.
- Land Use: parks, individual land parcels, names.

The Guidelines and Specifications specify “absolute horizontal accuracy” for base map features to establish horizontal accuracy for the position of the digital data set to its actual location on the earth’s surface. The horizontal accuracy is specified as a statistical error distribution at the 95-percent confidence level and is specified in the Guidelines and Specifications as a function of finished map scale, as shown in table 6:

**Table 6. Flood Insurance Rate Map (FIRM)
Horizontal Accuracy.**

FIRM map scale	Absolute horizontal accuracy at the 95-percent confidence level, in feet
1 in = 500 feet	19.0
1 in = 1,000 feet	38.0
1 in = 2,000 feet	45.6

MEGIS can provide digital data base mapping data for Somerset County for DFIRM production.

Digital Terrain Models (DTMs)

FEMA typically develops DTMs for the production of DFIRMS as they are not widely available at the accuracies required by FEMA. The DTMs are used in conjunction with hydrologic and hydraulic models to interpret flood boundaries and can be used by the community for many other purposes other than flood management.

Guidelines and Specifications identify the following four types of DTMs: (1) Digital contours, (2) Digital Elevation Models (DEMs), (3) Mass points and breaklines, and (4) Triangulated Irregular Networks (TIN). Each of these models can be created from the other and their use is application dependent.

Under FEMA guidelines, the allowable DTMs are as follows:

- Digital contours: continuous, nonintersecting lines of equal elevation separated by a specified elevation interval.
- Digital Elevation Model (DEM): x, y, and z coordinates of regularly spaced points that form a grid.
- Mass Points and Breaklines: x, y, and z coordinates of irregularly spaced points.
- Triangulated Irregular Network (TIN): contiguous triangles with x, y, and z values at the vertices and faces with slope and aspect.

The Guidelines and Specifications specify what is referred to as “absolute vertical accuracy” for DTMs, which relates the elevation of the land surface in the digital data set to its actual elevation relative to a specific vertical datum. The National Standard for Spatial Data Accuracy (NSSDA) is specified as a statistical error distribution at the 90- and 95-percent confidence level as a function of the specified contour interval as shown in table 7:

Table 7. Horizontal Accuracy National Standard for Spatial Data Accuracy (NSSDA).

NSSDA Contour interval	NSSDA 90-percent confidence interval	NSSDA 95-percent confidence interval
2 feet	1 foot	1.2 feet
4 feet	2 feet	2.4 feet

Contouring and DEMs are not printed on DFIRMS so their vertical accuracy is not labeled on the DFIRMS, but it is recorded in the metadata of elevation datasets used for hydrologic and hydraulic modeling.

Neither USGS nor MEGIS has elevation data suitable for hydraulic modeling and communities were contacted to find topographic or elevation data suitable for hydraulic modeling (e.g. 2-foot or 4-foot contours). Community specific topographic data will be used if it meets FEMA standards. New elevation data will be developed as necessary.

DTM development options include (1) obtaining countywide DTM data that covers all communities and (2) obtaining DTM data only for selected floodplain areas as needed to support a detailed study, limited detailed study, restudy or re-delineation of flood hazard areas. Obtaining DTM data on a countywide basis is expensive; most of the acquired data would be outside of the floodplain and not needed for hydraulic analysis. If FEMA obtains new DTM data for selected areas as needed, keeping in mind that is most cost effective to consolidate areas, where possible, and optimizes flights, the unit costs could be reduced.

Flood-Insurance Risk Zones

Flood-insurance risk zones are created by FEMA to set insurance rates and manage the floodplain. Flood-insurance risk zone accuracy requirements are not specified in the Guidelines and Specifications but can be described in terms of the combined accuracies of the base map, DTM, and the hydrology and hydraulic simulation models.

FEMA flood insurance rate 100- and 500-year flood zones are being converted to digital data layers by MEGIS for each community participating in the National Flood Insurance Program (NFIP) in Maine. These datasets were developed by direct digitization of FIRM maps using data registration techniques that produced the best-fit registration to community boundaries or other suitable features.

The most common comment by community representatives was that a better base map is needed to allow easier determination of where the risk zone boundaries are relative to the existing features such as roads and buildings.

Section 4. References Cited

- Burm, J.D., 2005, Pre-Scoping Report for Somerset County, March 2005: Mapping On Demand, NSP Task Order 0004 Deliverable, 101 p.
- University of Maine, 2004, Maine census data, population totals: Fogler Library, University of Maine, accessed on September 16, 2004 at <http://www.library.umaine.edu/census/>
- U.S. Census Bureau, 2002, Maine 2000: Summary population and housing characteristics: 2000 Census of Population and Housing, PH-1-21, 275 p.

Appendixes

Appendix A: Community Assistance Contacts and Visits: Somerset County

Community Assistance Contacts in Somerset County

As of 12/2005

	Open Date	Agency	Conducted By	Type	Closed_Date
BINGHAM, TOWN OF	3/17/1995	STATE	BCB	PHONE	7/3/1995
CAMBRIDGE, TOWN OF	9/8/1994	STATE	TJK	PHONE	10/7/1994
CANAAN, TOWN OF	11/29/1993	STATE	TJK	PHONE	12/20/1993
EMBDEN, TOWN OF	8/24/1998	STATE	sb	PHONE	6/2/1999
FAIRFIELD, TOWN OF	8/30/1993	STATE	EC	PHONE	
	7/2/2001	STATE	sue baker	PHONE	2/7/2002
HARMONY, TOWN OF	9/15/1994	STATE	BCB	PHONE	10/3/1994
	9/30/1998	STATE	SB	PHONE	5/10/2000
HARTLAND, TOWN OF	9/24/1998	STATE	SB	PHONE	10/21/1999
JACKMAN, TOWN OF	11/9/1992	STATE	TJK	PHONE	12/9/1992
	8/19/2003	STATE	SLB	PHONE	
MADISON, TOWN OF	3/23/1994	STATE	TJK	PHONE	5/5/1994
MERCER, TOWN OF	8/4/1994	STATE	BCB	PHONE	8/29/1994
MOSCOW, TOWN OF	7/29/1996	STATE	sb	PHONE	
NEW PORTLAND, TOWN OF	4/17/1991	STATE	TK	PHONE	4/25/1991
PALMYRA, TOWN OF	8/29/1994	STATE	BCB	PHONE	10/7/1994
	9/25/2000	STATE	sue baker	PHONE	2/8/2001
PITTSFIELD, TOWN OF	8/30/1993	STATE	TJK	PHONE	
RIPLEY, TOWN OF	9/20/1996	STATE	sb	PHONE	

	Open Date	Agency	Conducted By	Type	Closed_Date
SKOWHEGAN, TOWN OF	11/23/1993	STATE	TJK	PHONE	12/3/1993
SMITHFIELD, TOWN OF	9/8/1994	STATE	BCB	PHONE	10/3/1994
ST. ALBANS, TOWN OF	7/21/1995	STATE	SB	PHONE	8/11/1995
	9/30/2003	STATE	SLB	PHONE	
STARKS, TOWN OF	12/30/1992	STATE	TJK	PHONE	1/19/1993

Community Assistance Visits in Somerset County

As of 12/2005

	Open Date	Agency	Conducted By	Closed_Date
BINGHAM, TOWN OF	9/26/2002	STATE	Lou Sidell	
FAIRFIELD, TOWN OF	8/29/1995	STATE	WLS	
HARMONY, TOWN OF	10/18/1999	STATE	WLS	
HARTLAND, TOWN OF	9/28/2004	STATE	W. Louis	4/1/2005
SKOWHEGAN, TOWN OF	1/21/2003	STATE	Lou Sidell	

Appendix B: Community Contacts and Best Available Data: Somerset County

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Cambridge, Town of

CID 230355

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 9/27/1985

Participating=Yes **LURC:** No

Ordinance Date: 6/4/1987

Total No. NFIP Policies=ND **No. Claims Since 1978=** ND

All LOMCs: 0

Community Official Contact Information:

Carol Laplant 207-277-3241

Selectmen

Town of Cambridge

202 Ripley Rd.

Cambridge ME 04923

Community Code Enforcement Contact Information:

William Murphy, CEO 207-938-4568

38 Guilford Rd

Cambridge ME 04923

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data:Cambridge Pond: Bfe 353.5' (ACE12/95.)

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Canaan, Town of

CID 230356

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 9/27/1985

Participating=Yes **LURC:** No

Ordinance Date: 3/19/1994

Total No. NFIP Policies=11 **No. Claims Since 1978=** 0

All LOMCs: 2

Community Official Contact Information:

Louise Townsend 207-474-8976

Selectmen

Town of Canaan

PO Box 68

Canaan ME 04924

Community Code Enforcement Contact Information:

Randall Gray, CEO 207-474-6904

225 Water St

Skowhegan ME 04976

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data:Sibley Pond: 235.8' (?) (ACE 11/96)

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Caratunk, Town of

CID 230539

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 11/1/1985

Participating=Yes **LURC:** No

Ordinance Date: 5/13/1987

Total No. NFIP Policies=4 **No. Claims Since 1978=** 1

All LOMCs: 0

Community Official Contact Information:

ND

Community Code Enforcement Contact Information:

Will Kershner, CEO 207-672-3203

P.O. Box 80

Caratunk ME 04925

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Concord TWP

CID 230466

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 2/1/1985

Participating=Yes **LURC:** Yes

Ordinance Date:

Total No. NFIP Policies=1 **No. Claims Since 1978=** 0

All LOMCs: 1

Community Official Contact Information:

Fred Todd

Manager

Land Use Regulatory Commission

SHS 22

Augusta ME 04333

Community Code Enforcement Contact Information:

LURC

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data:Kennebec River BAD per Bingham draft FIRM

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Cornville, Town of

CID 230358

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 9/27/1985

Participating=Yes **LURC:** No

Ordinance Date: 4/20/1987

Total No. NFIP Policies=ND **No. Claims Since 1978=** ND

All LOMCs: 0

Community Official Contact Information:

ND

Community Code Enforcement Contact Information:

Kenneth Hogate, CEO 207-474-8865

161 West Ridge Rd

Cornville ME 04976

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Detroit, Town of

CID 230357

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 8/19/1985

Participating=Yes **LURC:** No

Ordinance Date: 6/27/1988

Total No. NFIP Policies=1 **No. Claims Since 1978=** 0

All LOMCs: 0

Community Official Contact Information:

Joseph Cianchette 207-257-4488

Selectmen

Town of Detroit

35 South Main St.

Detroit ME 04929

Community Code Enforcement Contact Information:

ND

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Mercer, Town of

CID 230176

Community Profile

Map Type: No Floodways

Current FIRM/FIS Map Date: 5/2/1994

Participating=Yes **LURC:** No

Ordinance Date: 3/5/1994

Total No. NFIP Policies=ND **No. Claims Since 1978=** ND

All LOMCs: 1

Community Official Contact Information:

ND

Community Code Enforcement Contact Information:

Michael Zarcone, CEO 207-362-2611

PO Box 68

Smithfield ME 04978

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Palmyra, Town of

CID 230366

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 8/19/1985

Participating=Yes **LURC:** No

Ordinance Date: 6/9/1987

Total No. NFIP Policies=4 **No. Claims Since 1978=** 0

All LOMCs: 4

Community Official Contact Information:

Diane Abbott-Cookson 207-938-4871

Selectmen

Town of Palmyra

PO Box 6

Palmyra ME 04965

Community Code Enforcement Contact Information:

William Murphy, CEO 207-938-4568

38 Guilford Rd

Cambridge ME 04923

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data:Seabasticook River: (ACE 12/95) Flood Elevation
Determination Whites Pond: Bfe 271.4' (3/99 - NRCS
wildlifestudy). Replacem't dam may make Bfe goup to 272.
Douglas Pond: Bfe 220.5 (12/95 ACE) Flood Elevation
Determination

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Pleasant Ridge PLT

CID 230367

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 11/1/1985

Participating=Yes **LURC:** Yes

Ordinance Date:

Total No. NFIP Policies=ND **No. Claims Since 1978=** ND

All LOMCs: 0

Community Official Contact Information:

Fred Todd

Manager

Land Use Regulatory Commission

SHS 22

Augusta ME 04333

Community Code Enforcement Contact Information:

LURC

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Rockwood Strip TWP, T01 R01 NBKP

CID 230467

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 12/1/1987

Participating=Yes **LURC:** Yes

Ordinance Date:

Total No. NFIP Policies=ND **No. Claims Since 1978=** ND

All LOMCs: 0

Community Official Contact Information:

Fred **Todd**

Manager

Land Use Regulatory Commission

SHS 22

Augusta ME 04333

Community Code Enforcement Contact Information:

LURC

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data:Moosehead Lake: Bfe 1029.5 (Greenville FIs 9/7/01)

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Solon, Town of

CID 230371

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 8/19/1985

Participating=Yes **LURC:** No

Ordinance Date: 3/7/1987

Total No. NFIP Policies=1 **No. Claims Since 1978=** 0

All LOMCs: 0

Community Official Contact Information:

Elaine Aloes 207-643-2812

Selectmen

Town of Solon

PO Box 214

Solon ME 04979

Community Code Enforcement Contact Information:

Kenneth Hogate, CEO 207-474-8865

161 West Ridge Rd

Cornville ME 04976

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

St. Albans, Town of

CID 230369

Community Profile

Map Type: Unnumbered A-Zone

Current FIRM/FIS Map Date: 9/27/1985

Participating=Yes **LURC:** No

Ordinance Date: 3/1/1997

Total No. NFIP Policies=20 **No. Claims Since 1978=** 1

All LOMCs: 42

Community Official Contact Information:

Larry Post 207-938-4568

Town Manager

Town of St Albans

PO Box 100

St. Albans ME 04971

Community Code Enforcement Contact Information:

William Murphy, CEO 207-938-4568

38 Guilford Rd

Cambridge ME 04923

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: Great Moose Lake: Bfe 250.6' (ACE 12/95) Big Indian Pond:
Bfe 271' (SCS 10/91) Little Indian Pond: Bfe 271'
Weymouth Pond: Bfe 299' Indian Stream Ray Brook (see
more) Meloon Brook Bog Brook (SCS 10/91)

Mapping Status: D&D will look at for XDS projects in '97/'98.

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

COMMUNITY CONTACTS AND BEST AVAILABLE DATA: SOMERSET COUNTY

Starks, Town of

CID 230372 Community Profile

Map Type: Floodways

Current FIRM/FIS Map Date: 5/20/1996

Participating=Yes **LURC:** No

Ordinance Date: 3/11/2000

Total No. NFIP Policies=1 **No. Claims Since 1978=** 0

All LOMCs: 3

Community Official Contact Information:

Euna Davis 207-696-8069

Selectmen

Town of Starks

RR 1, Box 950

Anson ME 04911

Community Code Enforcement Contact Information:

David Hartigan, CEO 207-696-3919

P.O. Box 86

Anson ME 04911

Maine Floodplain Mgt. Prog. Best Available Data and supporting information:

Best Available Data: ND

Mapping Status: ND

Mapping Needs: ND

S, Suspended; ND, No Data; NSFHA, No Specific Flood Hazard Area

Appendix C: Community Scoping Interview Data: Somerset County

SCOPING INTERVIEW DATA FOR: Anson, Town of
CID: 230123 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Robert A. Dunphy

Code Enforcement Officer

Email: rdunphy@tdstelme.net

Tel: (207) 696-3979 **Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

The dam was redone/washover boards were replaced with bladder type

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

OGIS

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

OGIS

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

Yes

Notes

SCOPING INTERVIEW DATA FOR: Athens, Town of

CID: 230354 **Council Govt:** **Annual Town Meeting Date:**
Town Govt: March

Community Representative Interviewed

Kenneth A. Hogate
Code Enforcement Officer

Email: bhogate@panax.com **Tel:** (207) 474-8865 **Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

First priority - West Athens Panel No. 7; most development along stream; may not be accurately mapped

SCOPING INTERVIEW DATA FOR: Bingham, Town of

CID: 230124 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Frederica Meledes
Chairman Bingham Planning Board

Email: sam6722000@yahoo.com **Tel:** (207) 672-4853 **Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

Yes, old ones

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

New map will take care of this. Everything looks reasonable in BAD/minus database. Frederica Meledes is not the code officer, but her thought was that the new study on the Kennebec would take care of everything.

SCOPING INTERVIEW DATA FOR: Cambridge, Town of
CID: 230355 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Oniz Lougez

Email: **Tel:** (207) 683-5000 **Fax:** (207) 683-5401
Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes, Jimmy Brook and Ike Brook needs to be looked at in detail portions of these probably are not a hazard for flooding.

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

SCOPING INTERVIEW DATA FOR: Canaan, Town of

CID: 230356 Council Govt: Annual Town Meeting Date:
Town Govt: March (3rd week)

Community Representative Interviewed

Randall D. Gray

Code Enforcement Officer

Email: skowcode@skowhegan.org

Tel: (207) 474-6904

Fax: (207) 474-9413

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes, only panel 4; No name stream Rt. 23 (Hartland Rd).

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

Yes, panel 3; Blake Rd. crossing, Blackstream.

Note any significant changes in hydraulic structures (bridges, culverts, dams)

Yes, new culvert panel 3. NW corner; increased culvert from 2' to 4' and has helped, but may not affect 100 year.

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

Yes, village center on Carrabassett Stream, panel 8.

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

SCOPING INTERVIEW DATA FOR: Concord TWP
CID: 230466 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed
Land Use Regulatory Commission

Email: Tel: Fax:
Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community
Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?
No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?
No

Note any significant changes in hydraulic structures (bridges, culverts, dams)
No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?
No

Community Resources
Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?
No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?
No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?
No

Do you have dedicated GIS capabilities (if so, provide contact information)?
No

Notes
Top priority: Need Kennebec River mapped using data from Bingham study (on other side of the river)

SCOPING INTERVIEW DATA FOR: Embden, Town of

CID: 230359 Council Govt: Annual Town Meeting Date:
Town Govt: March

Community Representative Interviewed

Robert A. Dunphy

LPI

Email: rdunphy@tdstelme.net

Tel: (207) 431-2124**Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

OGIS

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

OGIS

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

Yes

Notes

Only Zone A are done; Map 4 - the culverts at the Martin Stream/Moulton Rd. crossing were replaced with larger one year?; Embden Pond dam has a huge leak; Map 9 - Fahi Pond & most of Kennebec R. needs to be looked @

Maps were done in 1985 - very poor quality

SCOPING INTERVIEW DATA FOR: Fairfield, Town of

CID: 230125 **Council Govt:** **Annual Town Meeting Date:**
Town Govt: 2nd Monday in May

Community Representative Interviewed

Cynthia Tuttle
CEO/Assessor

Email: ctuttle@fairfieldme.com **Tel:** (207) 453-7765 **Fax:** (207) 453-4280

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No, accuracy pretty good; reflected 87 flood pretty well.

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No, see above

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No, minor road reconstruction only.

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No, nothing new. Only development is along Kennebec river, Water St., downtown.

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

Yes; E 911 data; photos only. 1990, pretty good, hard copies only; aerial survey and photo in Norrwidgewalk.

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No, couple years down the line.

Notes

Panel 25 B only panel the really use. Feels that the town does not have high priority needs. May not be worth doing this community for detailed study considering other needs in county.

SCOPING INTERVIEW DATA FOR: Harmony, Town of

**CID: 230360 Council Govt: Annual Town Meeting Date:
Town Govt:**

Community Representative Interviewed

Onie D. Lougee
Planning Board Chairman

Email: **Tel:** (207) 683-5000 **Fax:** (207) 683-5401

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes, see panel 6, 5 and 8

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

Yes, see panel 6, 5 and 8

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

SCOPING INTERVIEW DATA FOR: Hartland, Town of

**CID: 230361 Council Govt: Annual Town Meeting Date:
Town Govt:**

Community Representative Interviewed

Marie S. Lougee
Surveyor

Email: **Tel:** (207) 683-5000 **Fax:** (207) 683-5284

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes, see maps 03, 04, 02, and 01

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

SCOPING INTERVIEW DATA FOR: Jackman, Town of

CID: 230362 **Council Govt:** **Annual Town Meeting Date:**
Town Govt: March

Community Representative Interviewed

Barbara Kane and James
P. Bd. Chair and Code Enf. Officer

Email: bakane@bordertrust.com **Tel:** (207) 668-2111 **Fax:** (207) 668-3361

Floodplain Management Community Contact (if different from above):

Barbara Kane, Plng Bd. And Code Enf. Officer James Schoenmann

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes. Panels 3 and 6, Wood Pond, Zone A with BAD of 1163; f.p. boundary elevation is 10' and higher. Panels 3,4, and 5, Moose River (have LOMA data) connector to Long Pond (panel 5 and 8) BAD/BFE=1161'.

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

The town will notify us if they have any areas of concern on their submittal.

Note any significant changes in hydraulic structures (bridges, culverts, dams)

Yes. Rt. 201 bridge over Moose River in village center and approaches just replaced by MDOT. Rd/bridge location shifted. Bridge elevation the same, maybe a bit wider. May not affect 100 year flows; contact MDOT.

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

See town's submittal.

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No, but there is someone local who can do it; town may consider cost sharing.

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

Yes. L'contour data available on Wood Pond due to sewer project in 1984.

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

Woodard and Curran has 1'topo data on Wood Pond on disc that town will provide. Town also has some spot elevations associated with permitting projects that they can share. Also participated in call: Ella Frawley Plng. Bd.; Marilyn Chalker

SCOPING INTERVIEW DATA FOR: New Portland, Town of
CID: 230365 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Robert A. Dunphy

Code Enforcement Officer

Email: rdunphy@tdstelme.net

Tel: (207) 628-4441 **Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

Dam on Gilman Pond has hole and the gates do not work properly (they are manual)

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

Only around Gilman Pond

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

OGIS

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

OGIS

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

Yes

Notes

Old maps - need to be updated

SCOPING INTERVIEW DATA FOR: New Portland, Town of

**CID: 230365 Council Govt: Annual Town Meeting Date:
Town Govt:**

Community Representative Interviewed

Andrea Reichert
Town Manager

Email: **Tel:** (207) 628-4441 **Fax:** (207) 628-4440

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

Since the last mapping a dam was removed on Lemon Stream and on the Carrabasset River

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

A subdivision on the Carrabasset River with zone "A" designation - lots are not able to be sold without having developer or buyer have a professional determine the flood elevation

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

There are several zone "A" designations with no Base Flood Elevations, such as Gilman Pond, Gilman Stream, Lemon Stream, and the entire length of the Carrabasset River that need the flood elevations to be determined.

Current maps are out dated and grossly inaccurate. There are several incorrect road names.

SCOPING INTERVIEW DATA FOR: Norridgewock, Town of

CID: 230178 **Council Govt:** **Annual Town Meeting Date:**
Town Govt: March

Community Representative Interviewed

Robert A. Dunphy

Code Enforcement Officer

Email: rdunphy@tdstelme.net

Tel: (207) 634-2252 **Fax:** (207) 634-5285

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

The dam on the Sandy R. is being removed; this area should be looked at. This affects the Sandy R. in Norridgewock & Starks and the Kennebec Watershed

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

OGIS

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

OGIS

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

Yes

Notes

The FIRM maps/i.e. Flood Insurance Study profiles should be updated

SCOPING INTERVIEW DATA FOR: Palmyra, Town of

CID: 230366 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Stephen W. Gould
not a representative

Email: Tel: Fax:

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

Yes. Sebasticook River; no BFE, high development area

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

SCOPING INTERVIEW DATA FOR: Pittsfield, Town of

**CID: 230127 Council Govt: Annual Town Meeting Date:
Town Govt:**

Community Representative Interviewed

Marie S. Lougee
Surveyor

Email: **Tel:** (207) 683-5000 **Fax:** (207) 683-5401

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

See Panel 5 of 15 and see panel 10 of 15.

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

Didn't feel comfortable talking to the other study just the parts identified.
They have a new CEO who was not here.

SCOPING INTERVIEW DATA FOR: Skowhegan, Town of
CID: 230128 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Randall Gray

Code Enforcement Officer

Email: skowcode@skowhegan.org

Tel: (207) 474-6904 **Fax:** (207) 474-9413

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Please see summary for Skowhegan (i.e. SPO comments)

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

Yes. Various dates.

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

Yes. MDOT 3' contours, building footprints - data stored with Maine Department of Transportation and covers all of downtown

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

Yes. Limited restudy for "New Balance" warehouse; No LOMR, New Balance Risk Management people also have data

Do you have dedicated GIS capabilities (if so, provide contact information)?

Yes. Jeff Hewett, Economic Development Director and GIS Person, 474-6905

Notes

SCOPING INTERVIEW DATA FOR: Smithfield, Town of
CID: 230370 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Kenneth A. Hogate
Code Enforcement Officer

Email: bhogate@panax.com **Tel:** (207) 474-8865 **Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

Yes. North Pond and East Pond could have areas not shown as floodprone.

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

Yes. All area around ponds are under high develop

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

First priority is East Pond; has most development. Second priority is North Pond, boundaries need better definition.

SCOPING INTERVIEW DATA FOR: Solon, Town of

CID: 230371 **Council Govt:** **Annual Town Meeting Date:**
Town Govt: 1st Saturday of March

Community Representative Interviewed

Michael R. Sackett
Planning Board

Email: msackett@sackettandbrake.com **Tel:** (207) 474-6223 **Fax:** (207) 474-6223

Floodplain Management Community Contact (if different from above):

Unsure

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes. Ironbound Pond and Fall Brook. See map marked up

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

Yes. Larger culverts River Road

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

Yes. 1999, in color. Good enough for 4' contours; may be too many leaves (fall).

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

Yes. Mary-Lou Ridley; Second select-person. Contact town office.

Notes

Need 100000010333; Not an issue (Kennebec River). Wentworth Pond (A.K.A. Ironbound Pond) valid but decrease instead of increase.

SCOPING INTERVIEW DATA FOR: St. Albans, Town of

CID: 230369 Council Govt: Annual Town Meeting Date:
Town Govt:

Community Representative Interviewed

Stephen W., Marie, and Onie
Not representatives of town

Email: _____ **Tel:** _____ **Fax:** _____

Floodplain Management Community Contact (if different from above):

William Murphy

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

Yes. Numerous; highlighted on maps

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

Yes. Indian Pond (Little and Big), several streams on all maps. Snell Brook needs a BFE. Smalls streams southern portion town in higher development areas.

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

No

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

No

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

SCOPING INTERVIEW DATA FOR: Starks, Town of

CID: 230372 Council Govt: Annual Town Meeting Date:
Town Govt: March

Community Representative Interviewed

David Hartigan
CEO/LPI

Email: **Tel: (207) 696-3919 Fax:**

Floodplain Management Community Contact (if different from above):

Known problems with flood maps for your community

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain?

No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain?

No

Note any significant changes in hydraulic structures (bridges, culverts, dams)

No

Do you have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale?

No

Community Resources

Do you have aerial photography (or plans for any) (flight date, scale, color/bw)?

Yes; 30 year old aerial photos from USGS

Do you have any topographic data (or plans for collecting) (digital terrain, contour maps)?

Yes. Every fall I take one, sometimes two flights over and around the town.
Each flight is about one hour long.

Do you have any data related to hydrologic/hydraulic studies (or plans for such studies)?

No

Do you have dedicated GIS capabilities (if so, provide contact information)?

No

Notes

Appendix D: Existing MNUSS Data Entries: Somerset County

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

BINGHAM, TOWN OF

CID 230124 MNUSS Summary

MNUSS NeedID 100000000010193

Date of Need: 9/17/1997

AUSTIN CREEK

Panel: 230124 B

Need Desc: Changes to hydrologic conditions

Length: 0.32 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD

SPO Comments: Restudy in process

MNUSS NeedID 100000000010372

Date of Need: 6/8/1999

KENNEBEC RIVER

Panel: 230124 B

Need Desc: Changes to hydrologic conditions

Length: 7.06 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes:

SPO Comments: Restudy in process

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

BINGHAM, TOWN OF

CID 230124 MNUSS Summary

MNUSS NeedID 10000000035196

Date of Need: 6/16/2004

AUSTIN CREEK

Panel:

Need Desc: Changes to BFEs

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: All of Austin Stream has a detailed study performed by the NRCS and the NRCS study should be incorporated into the USGS FIS restudy now in draft form (April 2004 or earlier).

Need Notes: Sue determined from NRCS that a detailed study exists for Austin Brook & would like it incorporated into the community restudy done by USGS and in draft form as of April 2004.

SPO Comments: Restudy in process

MNUSS NeedID 10000000035196

Date of Need: 6/16/2004

AUSTIN CREEK

Panel:

Need Desc: Changes to floodplain width

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: All of Austin Stream has a detailed study performed by the NRCS and the NRCS study should be incorporated into the USGS FIS restudy now in draft form (April 2004 or earlier).

Need Notes: Sue determined from NRCS that a detailed study exists for Austin Brook & would like it incorporated into the community restudy done by USGS and in draft form as of April 2004.

SPO Comments: Restudy in process

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

BINGHAM, TOWN OF

CID 230124 MNUSS Summary

MNUSS NeedID 10000000035196

Date of Need: 6/16/2004

AUSTIN CREEK

Need Desc: Changes to hydraulic analysis

Panel:

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: All of Austin Stream has a detailed study performed by the NRCS and the NRCS study should be incorporated into the USGS FIS restudy now in draft form (April 2004 or earlier).

Need Notes: Sue determined from NRCS that a detailed study exists for Austin Brook & would like it incorporated into the community restudy done by USGS and in draft form as of April 2004.

SPO Comments: Restudy in process

MNUSS NeedID 10000000035196

Date of Need: 6/16/2004

AUSTIN CREEK

Need Desc: Changes to hydrologic conditions

Panel:

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: All of Austin Stream has a detailed study performed by the NRCS and the NRCS study should be incorporated into the USGS FIS restudy now in draft form (April 2004 or earlier).

Need Notes: Sue determined from NRCS that a detailed study exists for Austin Brook & would like it incorporated into the community restudy done by USGS and in draft form as of April 2004.

SPO Comments: Restudy in process

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

CANAAN, TOWN OF

CID 230356 MNUSS Summary

MNUSS NeedID 100000000025937

Date of Need: 9/26/2001

Sibley Pond

Panel: 230356 B

Need Desc: Changes to hydrologic conditions

Length: 2.1 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes:

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010200

Date of Need: 9/25/1997

Need Desc: Add streets to panel

Panel: 230357 A

Length: 0 mi

Anticipated BFE Change: Not Applicable

Location of Floodplain:

Need Notes:

SPO Comments: DFIRM process will address

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY
HARMONY, TOWN OF

MNUSS NeedID 100000000025864

CID 230360 MNUSS Summary

Date of Need: 8/29/2001

Panel: 230360 B

Length: 0 mi

Need Desc: Add streets to panel

Anticipated BFE Change: Not Applicable

Location of Floodplain:

Need Notes: South Road is not located correctly near Higgins Brook.

SPO Comments: DFIRM process will address

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

MADISON, TOWN OF

CID 230126 MNUSS Summary

MNUSS NeedID 100000000010354

Date of Need: 3/24/1998

KENNEBEC RIVER

Panel: 2301260002C

Need Desc: Changes to floodplain width

Length: 11.42 **mi**

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: Mill dam in community has been improved, backing up the reservoir to a higher elevation.

SPO Comments: New flashboards - impact bfe ??

MNUSS NeedID 100000000010354

Date of Need: 3/24/1998

KENNEBEC RIVER

Panel: 2301260004C

Need Desc: Changes to floodplain width

Length: 11.42 **mi**

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: Mill dam in community has been improved, backing up the reservoir to a higher elevation.

SPO Comments: New flashboards - impact bfe ??

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

MADISON, TOWN OF

CID 230126 MNUSS Summary

MNUSS NeedID 100000000010354

Date of Need: 3/24/1998

KENNEBEC RIVER

Panel: 2301260012C

Need Desc: Changes to floodplain width

Length: 11.42 **mi**

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: Mill dam in community has been improved, backing up the reservoir to a higher elevation.

SPO Comments: New flashboards - impact bfe ??

MNUSS NeedID 100000000010354

Date of Need: 3/24/1998

KENNEBEC RIVER

Panel: 2301260014C

Need Desc: Changes to floodplain width

Length: 11.42 **mi**

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: Mill dam in community has been improved, backing up the reservoir to a higher elevation.

SPO Comments: New flashboards - impact bfe ??

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

MOSCOW, TOWN OF

CID 230364 MNUSS Summary

MNUSS NeedID 10000000035197

Date of Need: 6/16/2004

Austin Stream

Panel:

Need Desc: Changes to floodplain width

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: Add existing detailed study for Austin Brook avail from an NRCS study.

Need Notes: In a 4/04 contact with the FEMA region I office, Sue noted the availability of an existing detailed study for Austin Brook by NRCS and would like the data incorporated into the town's FIS.

SPO Comments: Valid

MNUSS NeedID 10000000035197

Date of Need: 6/16/2004

Austin Stream

Panel:

Need Desc: Changes to hydraulic analysis

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: Add existing detailed study for Austin Brook avail from an NRCS study.

Need Notes: In a 4/04 contact with the FEMA region I office, Sue noted the availability of an existing detailed study for Austin Brook by NRCS and would like the data incorporated into the town's FIS.

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

MOSCOW, TOWN OF

CID 230364 MNUSS Summary

MNUSS NeedID 10000000035197

Date of Need: 6/16/2004

Austin Stream

Panel:

Need Desc: Changes to BFEs

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: Add existing detailed study for Austin Brook avail from an NRCS study.

Need Notes: In a 4/04 contact with the FEMA region I office, Sue noted the availability of an existing detailed study for Austin Brook by NRCS and would like the data incorporated into the town's FIS.

SPO Comments: Valid

MNUSS NeedID 10000000035197

Date of Need: 6/16/2004

Austin Stream

Panel:

Need Desc: Changes to hydrologic conditions

Length: 10 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: Add existing detailed study for Austin Brook avail from an NRCS study.

Need Notes: In a 4/04 contact with the FEMA region I office, Sue noted the availability of an existing detailed study for Austin Brook by NRCS and would like the data incorporated into the town's FIS.

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 100000000030973

Date of Need: 3/25/2003

Several rivers in town

Panel: 2301280010C

Need Desc: Changes to hydraulic analysis

Length: 25 mi

Anticipated BFE Change: Decreased By Between 1 and 5 feet

Location of Floodplain: corporate boundary to corporate boundary

Need Notes:

SPO Comments: Valid

MNUSS NeedID 100000000030973

Date of Need: 3/25/2003

Several rivers in town

Panel: 2301280001C

Need Desc: Changes to BFEs

Length: 25 mi

Anticipated BFE Change: Decreased By Between 1 and 5 feet

Location of Floodplain: corporate boundary to corporate boundary

Need Notes:

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 100000000030973

Date of Need: 3/25/2003

Several rivers in town

Panel: 2301280003C

Need Desc: Changes to BFES

Length: 25 mi

Anticipated BFE Change: Decreased By Between 1 and 5 feet

Location of Floodplain: corporate boundary to corporate boundary

Need Notes:

SPO Comments: Valid

MNUSS NeedID 100000000030973

Date of Need: 3/25/2003

Several rivers in town

Panel: 2301280010C

Need Desc: Changes to BFES

Length: 25 mi

Anticipated BFE Change: Decreased By Between 1 and 5 feet

Location of Floodplain: corporate boundary to corporate boundary

Need Notes:

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 100000000030973

Date of Need: 3/25/2003

Several rivers in town

Panel: 2301280001C

Need Desc: Changes to hydraulic analysis

Length: 25 mi

Anticipated BFE Change: Decreased By Between 1 and 5 feet

Location of Floodplain: corporate boundary to corporate boundary

Need Notes:

SPO Comments: Valid

MNUSS NeedID 100000000030973

Date of Need: 3/25/2003

Several rivers in town

Panel: 2301280003C

Need Desc: Changes to hydraulic analysis

Length: 25 mi

Anticipated BFE Change: Decreased By Between 1 and 5 feet

Location of Floodplain: corporate boundary to corporate boundary

Need Notes:

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 10000000031135

Date of Need: 6/6/2003

Cold Brook

Panel: 2301280002C

Need Desc: No Changes to BFES

Length: 5 mi

Anticipated BFE Change: Increased By Less Than 1 foot

Location of Floodplain: entire length of stream

Need Notes: FEB. 26, 2003 FOLLOW-UP LETTER BY STATE TO JAN. 21, 2003 cav
INDICATES THAT FLOODPLAIN BOUNDARIES for Cold Brook do not fit
the existing topography

SPO Comments: Valid

MNUSS NeedID 10000000031135

Date of Need: 6/6/2003

Cold Brook

Panel: 2301280001C

Need Desc: No Changes to BFES

Length: 5 mi

Anticipated BFE Change: Increased By Less Than 1 foot

Location of Floodplain: entire length of stream

Need Notes: FEB. 26, 2003 FOLLOW-UP LETTER BY STATE TO JAN. 21, 2003 cav
INDICATES THAT FLOODPLAIN BOUNDARIES for Cold Brook do not fit
the existing topography

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 10000000031135

Date of Need: 6/6/2003

Cold Brook

Panel: 2301280001C

Need Desc: Changes to floodplain width

Length: 5 mi

Anticipated BFE Change: Increased By Less Than 1 foot

Location of Floodplain: entire length of stream

Need Notes: FEB. 26, 2003 FOLLOW-UP LETTER BY STATE TO JAN. 21, 2003 cav
INDICATES THAT FLOODPLAIN BOUNDARIES for Cold Brook do not fit
the existing topography

SPO Comments: Valid

MNUSS NeedID 10000000031135

Date of Need: 6/6/2003

Cold Brook

Panel: 2301280002C

Need Desc: Changes to floodplain width

Length: 5 mi

Anticipated BFE Change: Increased By Less Than 1 foot

Location of Floodplain: entire length of stream

Need Notes: FEB. 26, 2003 FOLLOW-UP LETTER BY STATE TO JAN. 21, 2003 cav
INDICATES THAT FLOODPLAIN BOUNDARIES for Cold Brook do not fit
the existing topography

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280003C

Need Desc: No Changes to BFEs

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: Additionally, on panel 4, in the area between East Front Street and Hathaway Street, the horizontal control appears to be off by more than 60 feet (as noted in 2/26/2003 follow-up letter to 1/26/03 CAV). CAV follow-up letter notes that community has raised this concern with FEMA before (2/99).

SPO Comments: Valid

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280003C

Need Desc: Changes to floodplain width

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: In 2/26/2003 follow-up letter to 1/26/2003 CAV by state, town indicates that the area of concern (see limits) is currently mapped on the FIRM as a shaded Zone X. The area is below the BFE of 173 ft NGVD which is documented with manhole rim elevations and historical flooding events.

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280003C

Need Desc: Changes to floodplain width

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: Additionally, on panel 4, in the area between East Front Street and Hathaway Street, the horizontal control appears to be off by more than 60 feet (as noted in 2/26/2003 follow-up letter to 1/26/03 CAV). CAV follow-up letter notes that community has raised this concern with FEMA before (2/99).

SPO Comments: Valid

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280004C

Need Desc: Changes to floodplain width

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: In 2/26/2003 follow-up letter to 1/26/2003 CAV by state, town indicates that the area of concern (see limits) is currently mapped on the FIRM as a shaded Zone X. The area is below the BFE of 173 ft NGVD which is documented with manhole rim elevations and historical flooding events.

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280004C

Need Desc: Changes to floodplain width

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: Additionally, on panel 4, in the area between East Front Street and Hathaway Street, the horizontal control appears to be off by more than 60 feet (as noted in 2/26/2003 follow-up letter to 1/26/03 CAV). CAV follow-up letter notes that community has raised this concern with FEMA before (2/99).

SPO Comments: Valid

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280004C

Need Desc: No Changes to BFEs

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: In 2/26/2003 follow-up letter to 1/26/2003 CAV by state, town indicates that the area of concern (see limits) is currently mapped on the FIRM as a shaded Zone X. The area is below the BFE of 173 ft NGVD which is documented with manhole rim elevations and historical flooding events.

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SKOWHEGAN, TOWN OF

CID 230128 MNUSS Summary

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280004C

Need Desc: No Changes to BFEs

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: Additionally, on panel 4, in the area between East Front Street and Hathaway Street, the horizontal control appears to be off by more than 60 feet (as noted in 2/26/2003 follow-up letter to 1/26/03 CAV). CAV follow-up letter notes that community has raised this concern with FEMA before (2/99).

SPO Comments: Valid

MNUSS NeedID 10000000031136

Date of Need: 6/6/2003

KENNEBEC RIVER

Panel: 2301280003C

Need Desc: No Changes to BFEs

Length: 1 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain: area surrounding the intersection of pleasant Street and Madison Ave.

Need Notes: In 2/26/2003 follow-up letter to 1/26/2003 CAV by state, town indicates that the area of concern (see limits) is currently mapped on the FIRM as a shaded Zone X. The area is below the BFE of 173 ft NGVD which is documented with manhole rim elevations and historical flooding events.

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SMITHFIELD, TOWN OF

CID 230370 MNUSS Summary

MNUSS NeedID 100000000010122

Date of Need: 8/4/1997

North Pond

Panel: 230370 B

Need Desc: Changes to BFEs

Length: 3.9 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain:

Need Notes: Add a BFE to North Pond based on Town of Mercer restudy. Should be processed as an XDS, no SC costs. Please note, community effective is 11x17 FIRM, panels affected include 4,8,10.

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010122

Date of Need: 8/4/1997

North Pond

Panel: 230370 B

Need Desc: Changes to BFEs

Length: 3.9 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain:

Need Notes: Add a BFE to North Pond based on Town of Mercer restudy. Should be processed as an XDS, no SC costs. Please note, community effective is 11x17 FIRM, panels affected include 4,8,10.

SPO Comments: See SPO B.A.D.

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY
SMITHFIELD, TOWN OF

CID 230370 MNUSS Summary

MNUSS NeedID 100000000010122

Date of Need: 8/4/1997

North Pond

Panel: 230370 B

Need Desc: Changes to BFEs

Length: 3.9 mi

Anticipated BFE Change: Increased By Between 1 and 5 feet

Location of Floodplain:

Need Notes: Add a BFE to North Pond based on Town of Mercer restudy. Should be processed as an XDS, no SC costs. Please note, community effective is 11x17 FIRM, panels affected include 4,8,10.

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010163

Date of Need: 8/4/1997

Need Desc: Add streets to panel

Panel: 230370 B

Length: 0 mi

Anticipated BFE Change: Not Applicable

Location of Floodplain:

Need Notes:

SPO Comments: DFIRM process will address

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

SOLON, TOWN OF

CID 230371 MNUSS Summary

MNUSS NeedID 100000000010333

Date of Need: 12/29/1997

KENNEBEC RIVER

Panel: 230371 B

Need Desc: Changes to hydraulic analysis

Length: 3.54 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: INCREASED DEVELOPMENT VALIDATES RESTUDY

SPO Comments: Data upstream and downstream?

MNUSS NeedID 100000000010333

Date of Need: 12/29/1997

KENNEBEC RIVER

Panel: 230371 B

Need Desc: Changes to hydraulic analysis

Length: 3.54 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: INCREASED DEVELOPMENT VALIDATES RESTUDY

SPO Comments: Data upstream and downstream?

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY
SOLON, TOWN OF

CID 230371 MNUSS Summary

MNUSS NeedID 100000000010332

Date of Need: 12/29/1997

WENTWORTH POND

Panel: 230371 B

Need Desc: Changes to floodplain width

Length: 2.63 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes:

SPO Comments: Valid

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010176

Date of Need: 9/17/1997

RAY BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 2.7 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010178

Date of Need: 9/17/1997

MULLIGIN STREAM

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 1.8 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010180

Date of Need: 9/17/1997

GOODWIN BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3.6 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

MNUSS NeedID 100000000010180

Date of Need: 9/17/1997

GOODWIN BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3.6 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010180

Date of Need: 9/17/1997

GOODWIN BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3.6 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

MNUSS NeedID 100000000010179

Date of Need: 9/17/1997

HAMSON WHITE BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 2.2 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010181

Date of Need: 9/17/1997

MELON BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3.5 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010179

Date of Need: 9/17/1997

HARRISON WHITE BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 2.2 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010179

Date of Need: 9/17/1997

HARRISON WHITE BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 2.2 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

MNUSS NeedID 100000000010181

Date of Need: 9/17/1997

MELON BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3.5 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010178

Date of Need: 9/17/1997

MULLIGIN STREAM

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 1.8 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

MNUSS NeedID 100000000010178

Date of Need: 9/17/1997

MULLIGIN STREAM

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 1.8 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: ?

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010177

Date of Need: 9/17/1997

INDIAN STREAM

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010177

Date of Need: 9/17/1997

INDIAN STREAM

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010176

Date of Need: 9/17/1997

RAY BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 2.7 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD

SPO Comments: See SPO B.A.D.

MNUSS NeedID 100000000010176

Date of Need: 9/17/1997

RAY BROOK

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 2.7 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD

SPO Comments: See SPO B.A.D.

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010166

Date of Need: 9/17/1997

Panel: 230369 A

Length: 0 mi

Need Desc: Add streets to panel

Anticipated BFE Change: Not Applicable

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.-Great Moose Pd

MNUSS NeedID 100000000010166

Date of Need: 9/17/1997

Panel: 230369 A

Length: 0 mi

Need Desc: Add streets to panel

Anticipated BFE Change: Not Applicable

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: DFIRM process will address

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010166

Date of Need: 9/17/1997

Panel: 230369 A

Length: 0 mi

Need Desc: Add streets to panel

Anticipated BFE Change: Not Applicable

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: DFIRM process will address

MNUSS NeedID 100000000010181

Date of Need: 9/17/1997

MELON BROOK

Panel: 230369 A

Length: 3.5 mi

Need Desc: Changes to BFEs

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.

EXISTING MNUSS ENTRIES FOR SOMERSET COUNTY

ST. ALBANS, TOWN OF

CID 230369 MNUSS Summary

MNUSS NeedID 100000000010177

Date of Need: 9/17/1997

INDIAN STREAM

Panel: 230369 A

Need Desc: Changes to BFEs

Length: 3 mi

Anticipated BFE Change: Increased By Greater Than 5 feet

Location of Floodplain:

Need Notes: THIS IS AN 11X17 AND WILL HAVE TO BE FORMATTED TO A Z-FOLD.

SPO Comments: See SPO B.A.D.

Appendix E: Attachments



STATE OF MAINE
EXECUTIVE DEPARTMENT
MAINE STATE PLANNING OFFICE
38 STATE HOUSE STATION
AUGUSTA, ME 04333



FEMA

Tom Marcotte, Planner
Town of Skowhegan
225 Water Street
Skowhegan, Maine 04976

October 24, 2005

Subject: **IMPORTANT MEETING** – Flood Map Update – Scoping & Data Collection for Somerset County

Dear Sir/Madam:

As part of their Flood Map Modernization initiative, the Maine Floodplain Management Program and the Federal Emergency Management Agency (FEMA) will be updating the Flood Insurance Rate Maps (FIRMs) for Somerset County communities and will be producing a County-wide digital FIRM (DFIRM). In an effort to share information on the flood map update process and provide an opportunity for local input, we would like to meet collectively with all the floodplain management officials (code enforcement officers and (or) planning board chairs) from the Somerset County communities. We hope for active participation at the meeting, which will help us establish the scope of the mapping project for Somerset County. Your community's input is very important if you wish to contribute to improving the flood maps. If you choose not to provide input, a new map will still be generated but may or may not reflect changes you would have liked. To accommodate local officials who may not be available for a daytime meeting, an evening meeting has been scheduled.

Somerset County: Skowhegan Community Center, Thursday, November 3rd, 6-8 p.m.

The State of Maine Floodplain Management Program, the US Geological Survey (USGS) and FEMA or its representative will conduct the scoping meeting. The purpose of the scoping meeting is to:

Inform the communities of the nature and the intent of the flood map update process and new digital product,

Make introductions and establish points of contact between the communities, the State of Maine Floodplain Management Program, USGS, and FEMA,

Break into small groups and solicit community input regarding community concerns with the current mapping of the special flood hazard areas (i.e., areas where there is a need for flood elevation data, areas that never flood but are currently mapped in the floodplain and vice versa),

[Note: the majority of current problems with the base map, such as lack of roads and labelling errors, will be resolved due to use of new aerial photo and digital base map, as explained below]

Identify and prioritize problem areas on current maps (copies will be supplied),

Discuss and record the availability of any community specific data:

- digital orthophotography and (or) topographic mapping data undertaken by the community,
- local flood hazard studies undertaken by the developers, property owners or the community for permitting purposes as required in the local floodplain ordinance OR for the purposes of obtaining a Letter of Map Amendment/Letter of Map Revision from FEMA, any of which provides flood elevation data,
- verified historical data from past flooding events such as surveyed high water marks, photos taken at the time of high water, or post-disaster documents,
- any community plans for, or interest in, acquiring or contributing to new data

Discuss any changes that have been made to hard structures (culverts, bridges, dams, etc.) within the community that may affect water flow/flooding, or any proposed large developments in the floodplain,

The updated Flood Insurance Rate Maps (FIRMs) will be in a county-wide inclusive format (with many panels), and will be produced in a digital format, known as a DFIRM. The DFIRM will also include an extensive GIS database, and the digital floodplain boundaries will be depicted on an aerial photo base map. The truly digital product will be able to be overlaid on existing GIS base maps of the community/county (i.e. tax map, shoreland zoning map, infrastructure or other GIS based maps), which will improve the use of flood hazard data at the local and regional level. Also, using the new flood map in either paper form or with GIS, will definitely allow for easier and faster flood map determinations.

It is very important that a representative(s) of your community attend the Scoping Meeting (the lead floodplain management person - usually the code enforcement officer, the planning board chair/planner, GIS staff, public works director and any interested elected official). It is also important that information regarding the time and place of the Scoping Meeting be disseminated so that anyone that could provide engineering, topographic and mapping data and is interested in the mapping results can attend.

To prepare for the Scoping Meeting, we would like for your community to identify flood mapping issues that you would like to be considered for (re)study or review. It would be helpful to have the flooding issues prioritized and be prepared to precisely locate the areas of concern on the flood maps at the meeting. In addition, it would also be very beneficial to bring a brief narrative describing the reasons for the requested (re)studies or reviews. This information will help facilitate the meeting and assist us in finalizing the scope of work. This information may also be sent to the lead scoping agency working in collaboration with the Maine Floodplain Management Program and FEMA: USGS, 196 Whitten Road, Augusta, ME 04330.

Attached with this letter please find a Scoping Meeting agenda and a **fax-back sign-up form**. Please submit the fax-back form by **November 1, 2005** so that we can plan accordingly. Your prompt attention to this matter is appreciated, and will help ensure that an accurate and efficient project scope for the flood hazard mapping update for Somerset County is developed. If you have any questions regarding this Scoping Meeting or desire additional information, please feel free to contact Bonnie at (207) 287-8052 or Rob Dudley, from USGS, at (207) 622-8201 xtn 115.

Bonnie Cowle, CFM
Maine Map Modernization Project Coordinator
Maine Floodplain Management Program

G. Fred Vanderschmidt IV, CFM
FEMA Region I

Rob Dudley, P.E.

FEMA Map Mod Scoping Meeting Agenda: Somerset County, Maine	
Meeting Date: 11/3/05 Time: 6-8 P.M.	
Location of Meeting: Skowhegan Community Center	
Agenda Items	Estimated Time
1. Welcome and Introductions – Bonnie Cowle – State Planning Office	5 minutes
2. Overview of Scoping Meeting Agenda	5 minutes
3. Map Modernization Overview	
Stuart Rooney – FEMA Representative from Watershed Concepts	5 minutes
Bonnie Cowle – SPO, Maine Floodplain Management Program	5 minutes
4. Flood Mapping Schedule and Process	5 minutes
Bonnie Cowle – Schedule	
Rob Dudley – Process – USGS, FEMA’s Scoping and Mapping Contractor	
5. Map Details – Rob and Bonnie	10 minutes
Discussion of specific DFIRM issues: Map data layers Various levels of map detail New appearance of DFIRM <ul style="list-style-type: none"> ○ MEGIS orthophoto quad ○ Scale and paneling scheme ○ Map adoption What we need from you	
6. Breakout Sessions to Identify Community Mapping Needs	60-90 minutes
In small working groups with assigned leader: Review and comment on USGS/SPO data sheet for your community With input from leader complete the community interview form <ul style="list-style-type: none"> ○ Discuss mapping update needs for each community ○ Provide rationales for each update needed On flood maps, highlight specific areas of need and indicate priorities	
7. Turn in Forms & Maps	
Speakers will be available for any final questions	

**Somerset County Community Interview Form
FEMA Map Modernization Program
November 3, 2005**

Community: _____ Effective FIS/FIRM Date: _____

CID#: 230 ___ ___ ___ GOVT: Town OR Council
If Town Government, Date of Annual Town Meeting: _____

Community Representative(s) attending meeting:

Name(s): _____

Title(s): _____

Tel: _____ Email(s): _____

Fax: _____

Floodplain Mgt Community Contact (and contact info if different from above): _____

Known problems with flood maps for your community (note FIRM panel numbers)

(Note: Most base-map issues such as street names, roads, corporate boundaries, and spatial issues will be fixed when new digital FIRMS are produced) PLEASE PROVIDE ADDITIONAL INFORMATION FOR ANY YES ANSWERS BELOW

Do you have specific areas that don't flood (1% chance) but are currently in the floodplain? Yes No

Do you have specific areas that flood (1% chance) but are not mapped in the floodplain or not mapped at all?

Yes No

Have any changes in hydraulic structures (bridges, culverts, dams) taken place that would change the maps?

Yes No

Do you currently have (or are you proposing) high-development areas where you need new or restudied flood elevations or improved map scale? Yes No

Community resources:

Do you have aerial photography or plans for any (flight date, scale, color/black & white)? Yes No

Do you have topographic data or plans for collecting any (digital terrain, contour maps)? Yes No

Do you have any other data like special hydrologic/hydraulic studies (or plans for studies)? Yes No

Do you have dedicated GIS capabilities? Yes No (Provide GIS contact info if different from front page)

Interviewer: Review MNUSS entries and BAD with community rep.

Done and all OK, or
 Done and see notes

NOTES: _____