4.0 FY03-05 Production Report

4.1. Reviewing and Consolidating Cost, Schedule, and Production Data

FEMA is developing and refining its management systems to improve accessibility and maintenance of the data required to monitor cost, schedule, and production of Digital Flood Insurance Rate Maps (DFIRMs). Currently, FEMA has a system in place to track progress of contracted studies and a system to plan for projects. This section reports on the status of Flood Map Modernization DFIRM production, as monitored by FEMA's existing systems.

4.2. Tracking Progress of Studies

Existing FEMA systems allow tracking of all planned and contracted study tasks. These systems are the sources of the data reported for FY03 through FY05 in this MHIP. The existing systems are used to obtain planning data for studies from FEMA's Regional Offices. These tools include data on activities performed in FY05 and prior, as well as activities planned for future years. The systems provide an aggregate of current activities in order to track three milestones of a project:

- Funding
- Map production
- Map adoption

FEMA systems also include information about funding contributions and/or in-kind services provided by the CTPs and other mapping partners, as well as funding allocations provided to CTPs by FEMA.

To report progress for production of the MHIP, FEMA reviews sequencing data and verifies that all counties are represented.

4.3. Progress of FY05 and Prior Funded Activities

The tables, figures, and maps that follow present map production progress by county as of April 8, 2005, unless otherwise noted, as measured by:

- Studies funded in FY05 and prior, including leveraged dollars
- Studies issued as preliminary and population affected
- Studies effective and population affected

FEMA is transitioning from conducting smaller mapping studies to a countywide- and watershed-based mapping program; however, some studies funded in FY05 and prior were designated for specific communities and not entire counties. If a community exercises land-use jurisdiction and is itself a participant in the National Flood Insurance Program (NFIP), its study is considered

"community-based." If, on the other hand, a community is an unincorporated entity within a county, then a study of that community is defined as a "partial-countywide" study. In general, the studied communities tend to be the area(s) of greatest population within a county.

A funded study is reported complete when the effective map is delivered to each community.

The needs of the communities are prioritized in consultation with local and State officials and, in most cases, only the highest-risk areas have been updated.

A funded study is reported complete when the effective map is delivered to each community. However, while a county may be reported complete, that does not necessarily mean all of the mapping and study needs of every community within the county have been met.

To track the progress of digital hazard mapping nationwide, a partial countywide study is not reported complete until the county in which it is located is complete. For example, if a community of 10,000 people is studied within a county of 15,000 people, the population of 10,000 people is not credited towards the national goals until the county is completed. This is a conservative accounting approach. Some counties funded prior to FY03, which met the former minimum DFIRM standards, have been counted in the national goals.

As discussed in section 3, Distribution of Funds to the Regions, FEMA planned for $160 million in map production funding for FY05. However, during any fiscal year, the sum of the distributions within each Region described in section 3 may not total the number of the planned allocation for several reasons:

- Other funds may be allocated to Regions to address previously unidentified needs or to take an opportunity to leverage outside resources.
- The money budgeted for current and future fiscal years has not yet all been contracted, committed, or spent.
- In any given year, money is distributed to the Regions based on the national plan. FEMA's Regional Offices spend the money through contracts and grants for map production for specific counties. However, the actual totals will not be updated in FEMA's reporting systems until those contracts and grants have been finalized.
- In any given year, some Regions spend their funds on non-county-specific projects (for example, developing a coastal methodology for the West Coast, other technical investigations not tied to a specific study, etc.); or, additional funding may be allocated for specific studies as a result of a disaster or other unique situations.

4.4. Progress Through FY04

4.4.1. FY04 Funding

Table 4-1 shows distribution of funding by Region for FY04.

Table 4-1. Actual Distribution of Funding by Region for FY04

Region	Allocated Funds	Total Number of Studies Funded
1	$4,206,000	22
2	$9,420,000	21
3	$9,752,000	63
4	$35,722,000	136
5	$12,798,000	77
6	$17,583,000	42
7	$7,411,000	47
8	$5,432,000	26
9	$11,462,000	35
10	$4,572,000	18
TOTAL	**$118,358,000**	**487**

4.4.2. FY04 Production

As shown in table 4-2 and figure 4-1, of 801 counties funded for map production, FEMA has issued preliminary maps to 211 counties, and 112 had effective flood maps by the end of FY04. Appendix A provides a detailed list of all studies funded, including the status (funded, preliminary, or effective) of each study through FY04, based on information available as of April 8, 2005.

Table 4-2. Progress to Date by Region of Counties Funded FY04 and Prior

Region	Counties Funded	Counties Preliminary	Affected Population	Counties Effective	Affected Population
1	31	6	1,323,368	0	630,930
2	24	4	5,545,561	1	326,856
3	108	41	7,630,665	31	5,915,699
4	242	69	9,396,398	38	6,320,835
5	111	12	2,206,331	3	827,800
6	53	8	3,984,278	4	382,323
7	95	35	1,393,196	15	315,064
8	62	24	1,864,304	12	680,158
9	48	8	12,345,913	4	5,398,694
10	27	4	1,640,728	4	1,103,189
TOTAL	**801**	**211**	**47,330,742**	**112**	**21,901,548**

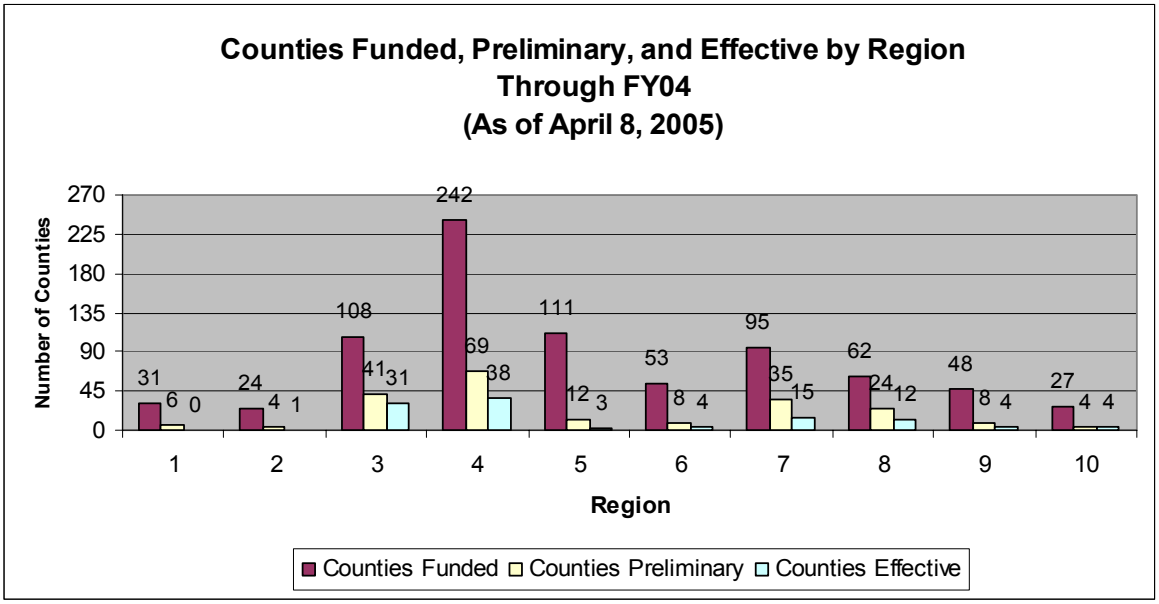
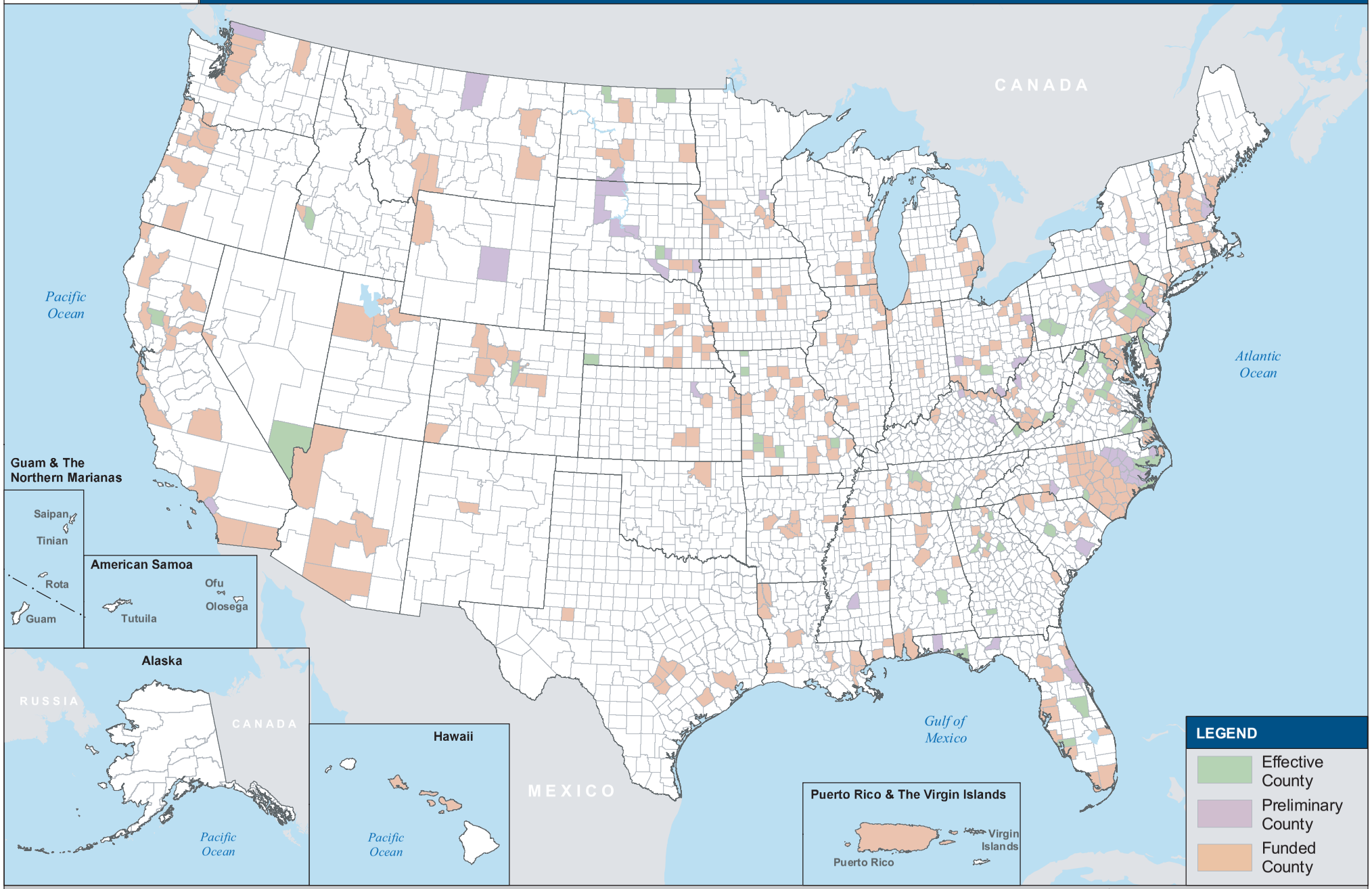


Figure 4-1. Counties Funded, Preliminary, and Effective by Region Through FY04 (As of April 8, 2005)

Map 4-1 shows the progress of map production—including the funding, preliminary issuance date, and effective date for specific counties by the end of FY03, which is the starting point for measuring progress. Map 4-2 shows progress of map production through the end of FY04.

Map 4-1. Progress of Mapping Activities Through FY03

As of April 8, 2005



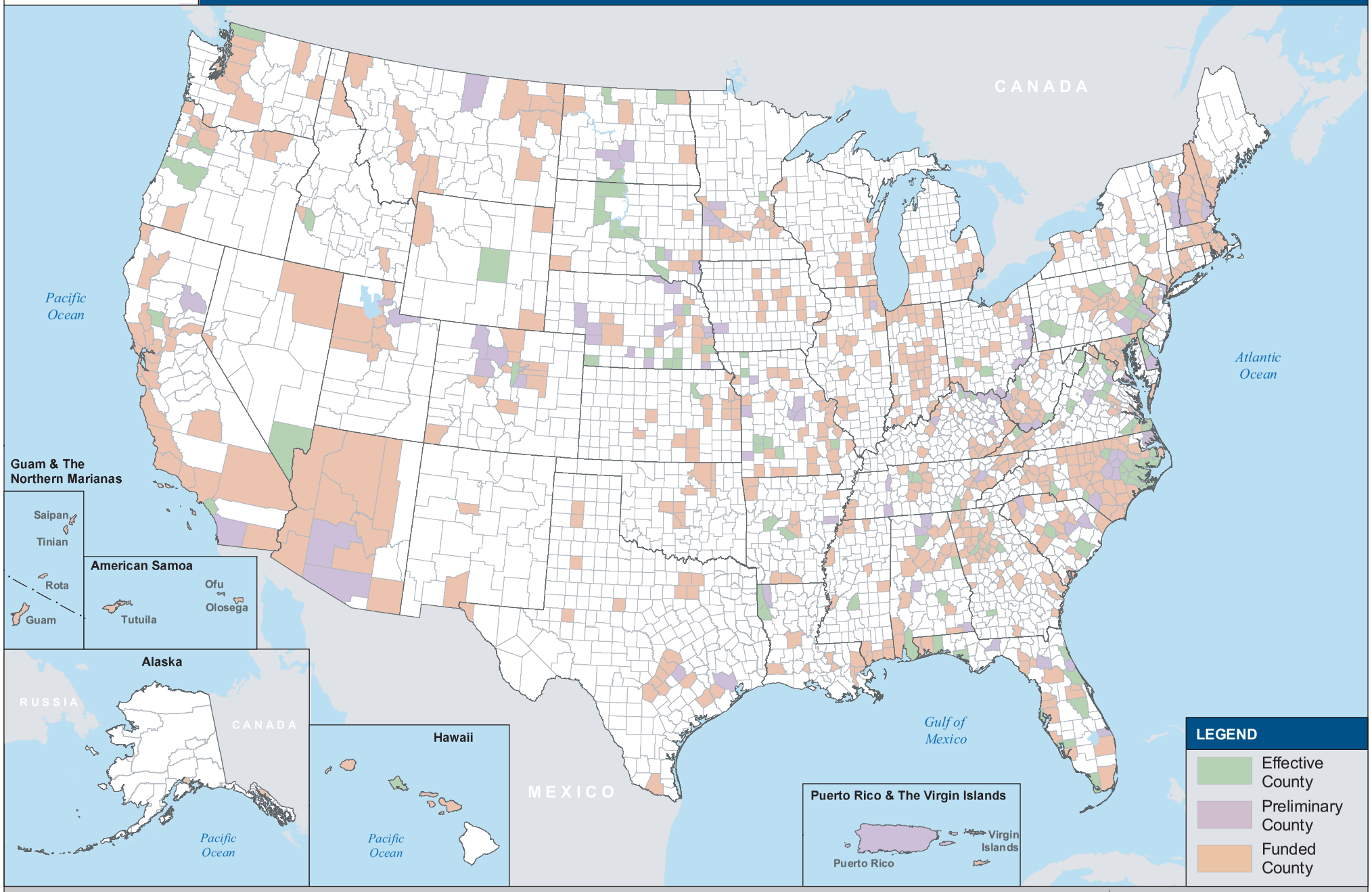
MHIP

0 250 500 Miles

Projection: Albers Equal-Area Conic
Data Source: FEMA Sequencing Tool

Map 4-2. Progress of Mapping Activities Through FY04

As of April 8, 2005



MHIP

Projection: Albers Equal-Area Conic
Data Source: FEMA Sequencing Tool

4.5. Progress To Date Through FY05 (Second Quarter)

4.5.1. FY05 Funding

Table 4-3 details the anticipated distribution of funding by Region for FY05 as of April 8, 2005. This table also shows how much funding FEMA expects to leverage from partner contributions in FY05, as well as the funding given directly to CTPs through grants.

Table 4-3. Distribution of Funding by Region for FY05 as of April 8, 2005

Region	Allocated Funds	Total Number of Studies Funded
1	$5,315,000	25
2	$11,475,000	16
3	$12,047,000	61
4	$35,725,000	97
5	$17,222,000	89
6	$23,159,000	59
7	$10,115,000	54
8	$6,908,000	29
9	$13,517,000	42
10	$5,849,000	23
TOTAL	**$141,332,000**	**495**

4.5.2. FY05 Production

Through the first two quarters of FY05, FEMA has increased the percent of population with digital flood data to 20 percent, and has increased the percent of the population with effective maps to 9.5 percent. Table 4-4 details FEMA's progress through March 31, 2005, the end of the second quarter of FY05. Map 4-2 shows progress of map production through the end of FY04.

Section 5, FY05-FY10 Production Forecast, provides anticipated map production progress through the end of FY05 and subsequent years. Section 6, Production Analysis, discusses FEMA's anticipated progress toward the targets for KPIs.

Table 4-4. Progress to Date by Region of Counties Funded FY05 and Prior as of April 8, 2005

Region	Percent of Population with Digital Data Available Online	Percent of Population with Adopted GIS DFIRM Flood Data
1	9.33%	4.46%
2	18.06%	1.49%
3	20.03%	17.16%
4	22.78%	16.72%
5	12.98%	5.20%
6	20.83%	3.95%
7	11.59%	3.61%
8	28.39%	6.84%
9	30.09%	12.86%
10	16.30%	15.60%
NAT'L AVG.	**19.90%**	**9.45%**