Mapping
INFORMATION PLATFORM

Work Instruction

Project Dashboard

Purpose

The purpose of this module is to provide an overview of how to use the Project Dashboard in the MIP, including searching for projects based on:

- Geographic Area
- Project Level
- Project Health

This work instruction displays screens for a Studies project, but the process to navigate the Project Dashboard is applicable for Revisions and Amendments projects as well. The work instruction highlights any changes between the Studies and Revisions and Amendments functionality.


Prerequisites

None

Navigation

Via Menu Path	**Log in to the MIP ➔ Workbench** **and** **Project Dashboard**

Work Steps

1. Log in to the MIP and click the Workbench tab
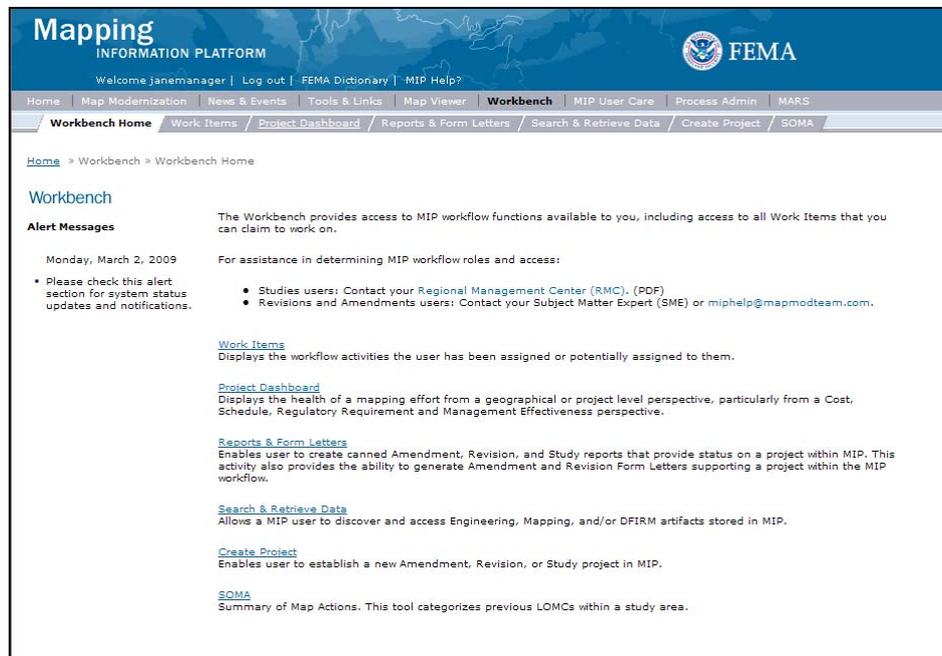
2. Click Project Dashboard
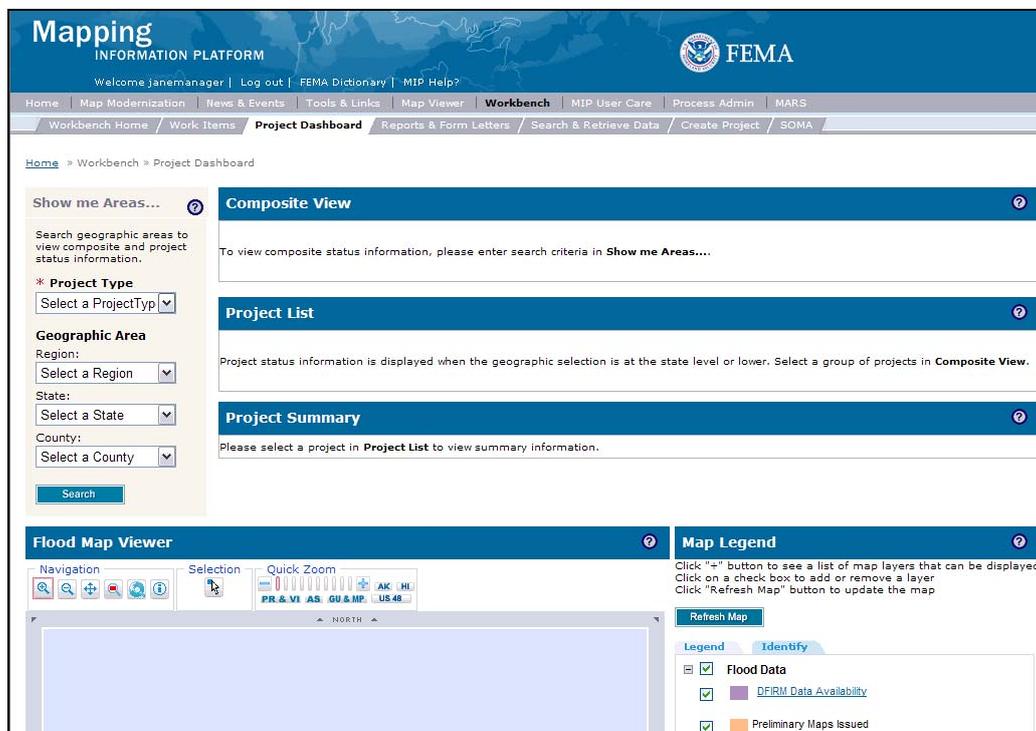
3. Click on: to view help text for the screen

The help text for Project Dashboard displays:

Composite View

Goal

Select a Project Type in Show Me Areas and then click "Search" to populate the Composite View. This will generate a list of projects listed by Region. Click on a Re State from the list to generate a list by County. This process can continue to the Community Name level. If the user would like to go back a level higher they may

The following information gives more details on how studies CPI and SPI are calculated on a project level:

Earned Value Management (EVM) Example

S P A Graph

TERMINOLOGY

ACWP (AC) Actual Cost of Work Performed
BCWP (EV) Budgeted Cost of Work Performed
BCWS (PV) Budgeted Cost of Work Scheduled (planned)

PERFORMANCE INDICES

Green - On Target: 0.95 - 1.05
Yellow - At Risk: 0.90 - 1.10
Red - Out of Tolerance: < 0.90 or > 1.10

- Cost Performance
  - **Cost Variance (CV) $ = BCWP - ACWP**
  - **Cost Performance Index (CPI) = BCWP/ACWP**

- Schedule Performance
  - **Schedule Variance (SV) $ = BCWP - BCWS**
  - **Schedule Performance Index (SPI) = BCWP/BCWS**

Project Name = Example

Project CPI = 0.94
Project SPI = 0.50

Task	Task Baseline Budgeted Cost	% of Work Actually Completed	Days since Baseline Task Start/ Total Duration of Task in Days	BCWP	ACWP	BCWS
Scoping	6,000	1	14/14	6,000	7,000	6,000
Develop DFIRM Database	70,000	1	90/90	70,000	72,000	70,000
Perform Floodplain Mapping	30,000	0.5	180/180	15,000	17,000	30,000
Preliminary Map Production	85,000	0.15	90/90	12,750	10,000	85,000
Post Preliminary Processing	109,000	0.1	30/90	10,900	15,700	36,333
	300,000		**TOTALS:**	114,650	121,700	227,333

BCWP = Task Baseline Budgeted Cost **x** % of Work Actually Completed

e.g. Prelim Map Production $85000 x 0.15 = 12750

BCWS = Task Baseline Budgeted Cost **x** Days Since Baseline Start/Total Duration of Task in Days

e.g. Post Prelim Processing $109000 x 30/90 = 36333

CPI = BCWP / ACWP = 114,650/121,700 = 0.94

The next section of the work instruction outlines the process to search for a project and navigate the Composite View, Project List and Project Summary sections.

(i)	All users have access to the Project Dashboard. A search can be conducted for Amendments, Revisions, and Studies.
(i)	The Project Type of Amendments and Revisions have similar Geographic Area search criteria with the addition of searching by the community.

4.   Click the Project Type dropdown box and select the appropriate option

5.   Click the Region dropdown box and select the appropriate region

6.   Click the State dropdown box and select the appropriate state

7.   Click on: [Search]

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Workbench Home / Work Items / **Project Dashboard** / Reports & Form Letters / Search & Retrieve Data / Create Project / SOMA

Home » Workbench » Project Dashboard

Show me Areas... ⊘

Search geographic areas to view composite and project status information.

* Project Type
Study

Geographic Area
Region:
3

State:
PA

County:
Select a County

Status Indicators
Cost:

Schedule:

Overall Health:

[Search]

Composite View -- Studies in Pennsylvania

⬑ Go Up a Level
O = On Target ⊖ = At Risk ● = Attention Needed

Geographic Area	# of Projects	Cost	Cumulative CPI	Schedule	Cumulative SPI	Health
Adams County	1	⊖	1.09	O	0.99	⊖
Armstrong County	1	O	1.00	●	0.50	●
Beaver County	1	O	0.99	●	0.56	●
Bedford County	1	O	1.00	⊖	0.93	⊖
Berks County	1	O	1.00	●	0.30	●
Blair County	1	O	0.99	●	0.45	●
Bradford County	1	O	1.00	●	0.84	●
Butler County	1	O	1.00	●	0.56	●
Cambria County	1	O	0.99	●	0.33	●
Cameron County	1	O	1.00	●	0.38	●

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Project List

Project status information is displayed when the geographic selection is at the state level or lower. Select a group of projects in **Composite View.**

Project Summary

Please select a project in **Project List** to view summary information.

> ℹ Counties that meet the search criteria now appear. The search could be further refined by selecting a county in the dropdown box or within the Composite View.

8. Click the links at the bottom right of the screen to navigate through the list of counties

> ℹ Aside from the health column, each project type shows different data columns in the Composite View.
>
> **Studies** display:
> Cost
> Cumulative CPI
> Schedule
> Cumulative SPI
>
> **Amendments** display:
> 60 Day Indicator
> Turnaround Time
> 30 Day Indicator
> Turnaround Time
>
> **Revisions** display:
> Regulatory
> Regulatory Turnaround Time
> Management
> Internal Turnaround Time

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9. Click the # of Projects link for more details

Show me Areas...

Search geographic areas to view composite and project status information.

✱ Project Type
Study

Geographic Area
Region:
3

State:
PA

County:
Select a County

Status Indicators
Cost:

Schedule:

Overall Health:

[Search]

Composite View -- Studies in Pennsylvania

⤴ Go Up a Level
O = On Target ⊖ = At Risk ● = Attention Needed

Geographic Area	# of Projects	Cost	Cumulative CPI	Schedule	Cumulative SPI	Health
Franklin County	2	O	1.00	●	0.86	●
Fulton County	1	O	1.00	●	0.79	●
Greene County	1	O	1.01	●	1.85	●
Huntingdon County	1	O	1.00	●	0.85	●
Indiana County	1	O	0.96	●	0.19	●
Jefferson County	1	O	0.99	●	0.16	●
Juniata County	1	●	0.40	●	0.25	●
Lackawanna County	1	O	1.00	●	0.44	●
Lawrence County	1	O	1.00	●	0.27	●
Lebanon County	1	●	0.68	●	0.75	●

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Project List -- Studies in Franklin County

O = On Target ⊖ = At Risk ● = Attention Needed

Project #	Project ID	Cost	Cumulative CPI	Schedule	Cumulative SPI	Health
06-03-A613S	Cumberland County, PA	⊖	1.06	O	0.98	⊖
07-03-0430S	Franklin County, PA	O	1.00	●	0.87	●

Project Summary

Please select a project in **Project List** to view summary information.

Flood Map Viewer **Map Legend**

ⓘ The projects now display separately in the Project List section.

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10. Click the Project # link to view more details on this project

Project Summary -- Project # 06-03-A613S

Cumberland County, PA

Project Number	06-03-A613S
Project Type	Study
Affected Region	Region III
Affected State	Pennsylvania
Affected Counties & FIPS codes	Franklin County (42055) Cumberland County (42041)
Affected Communities & CIDs	SILVER SPRING, TOWNSHIP OF (420370) LOWER MIFFLIN, TOWNSHIP OF (421582) Cumberland County-wide (42041C) SHIPPENSBURG, TOWNSHIP OF (421585) HAMPDEN, TOWNSHIP OF (420360) EAST PENNSBORO TOWNSHIP OF (420359) NEW CUMBERLAND, BOROUGH OF (420366) CARLISLE, BOROUGH OF (425382) MOUNT HOLLY SPRINGS, BOROUGH OF (420365) SOUTHAMPTON, TOWNSHIP OF (421587) DICKINSON, TOWNSHIP OF (421580) NEWVILLE, BOROUGH OF (421579) SOUTH MIDDLETON, TOWNSHIP OF (420371) MIDDLESEX, TOWNSHIP OF (420363) HOPEWELL, TOWNSHIP OF (421581) MONROE, TOWNSHIP OF (420364) LEMOYNE, BOROUGH OF (420361) NORTH MIDDLETON, TOWNSHIP OF (420367) UPPER FRANKFORD, TOWNSHIP OF (421588) LOWER ALLEN, TOWNSHIP OF (421016) WEST PENNSBORO, TOWNSHIP OF (421590) WORMLEYSBURG, BOROUGH OF (420374) COOKE, TOWNSHIP OF (422404) NEWBURG, BOROUGH OF (422405)

	NORTH NEWTON, TOWNSHIP OF (421583) MECHANICSBURG, BOROUGH OF (420362) SOUTH NEWTON, TOWNSHIP OF (421586) WEST FAIRVIEW, BOROUGH OF (420373) LOWER FRANKFORD, TOWNSHIP OF (421018) SHIREMANSTOWN, BOROUGH OF (420369) SHIPPENSBURG, BOROUGH OF (420368) CAMP HILL, BOROUGH OF (420357) UPPER ALLEN, TOWNSHIP OF (420372) PENN, TOWNSHIP OF (421584) UPPER MIFFLIN, TOWNSHIP OF (421589)
Flooding Sources	Flooding sources and stream mileages unknown.
Last Completed Activity	Create Final Rule For Federal Register
Overall Health Status	⊖ = At Risk
Cost Status	⊖ = At Risk
Schedule Status	O = On Target
Baseline Project Start Date	06/06/2005
Baseline Project End Date	09/29/2008
Actual Cost To Date / Actual Final Cost	$
Baseline Project Cost	$
Percent Spent	93.1%
Cumulative Cost Performance Index (CPI)	1.06
Cumulative Schedule Performance Index (SPI)	0.98
Cumulative To Complete Performance Index (TCPI)	0.24

Summary of data elements in the Project Summary section:

Amendments, Studies and Revisions projects all contain the following data fields:	• Project Number • Project Type • Affected Region • Affected State • Affected Counties & FIPS codes • Affected Communities & CIDs • Flooding Sources • Last Completed Activity • Overall Health Status • Baseline Project Start Date • Baseline Project End Date
Amendments and Revisions also include these fields:	• 60 Day Status • 30 Day Status

Studies differs by adding the following fields:	• Actual Cost to Date / Actual Final Cost • Baseline Project Cost • Percent Spent • Cumulative Cost Performance Index (CPI) • Cumulative Schedule Performance Index (SPI) • Cumulative To Complete Performance Index (TCPI)

> ⚠️ Note that only those users that are allowed to have access to cost data on a particular project will be able to view it.

11. The Flood Map Viewer also displays the location of the project.

The next section of the work instruction outlines the process to further refine a project search.

	When the selected Project Types are Revisions or Amendments, the Status Indicator fields differ to include the following dropdowns:
	• Regulatory Requirement
	• Management Effectiveness
	• Overall Health

12. The search can be further refined by any of the Status Indicators. Click the Cost dropdown box and select the appropriate option.

13. Click the Schedule dropdown box and select the appropriate option.

14. Click the Overall Health dropdown box and select the appropriate option.

15. Click on:
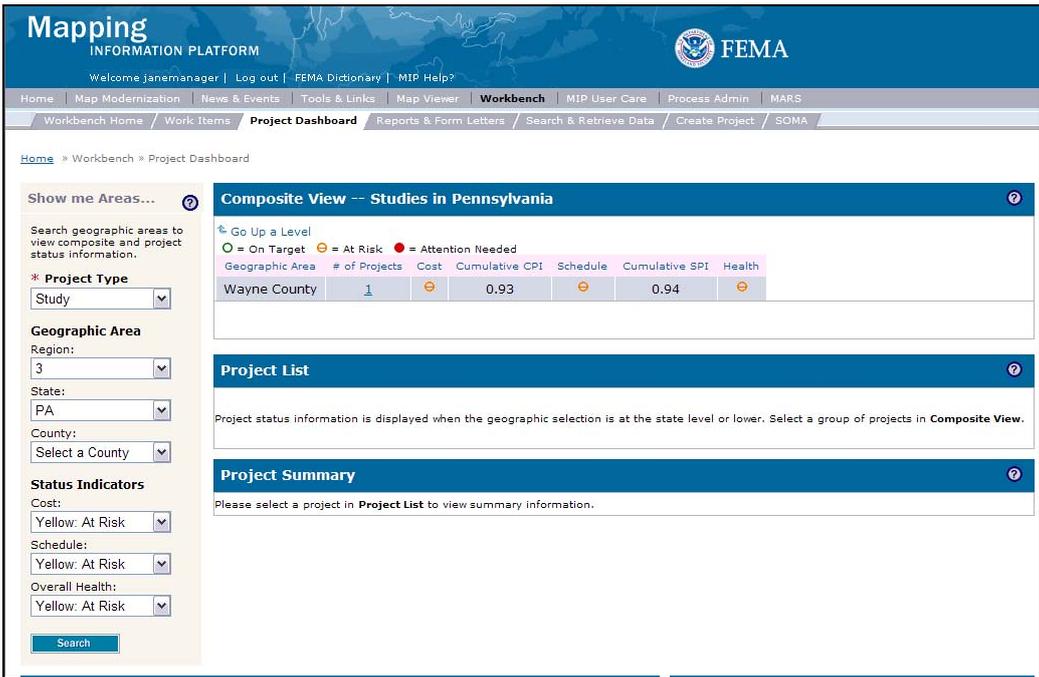
16. The refined search results now appear. Click to view more details on project(s) that meet these criteria.
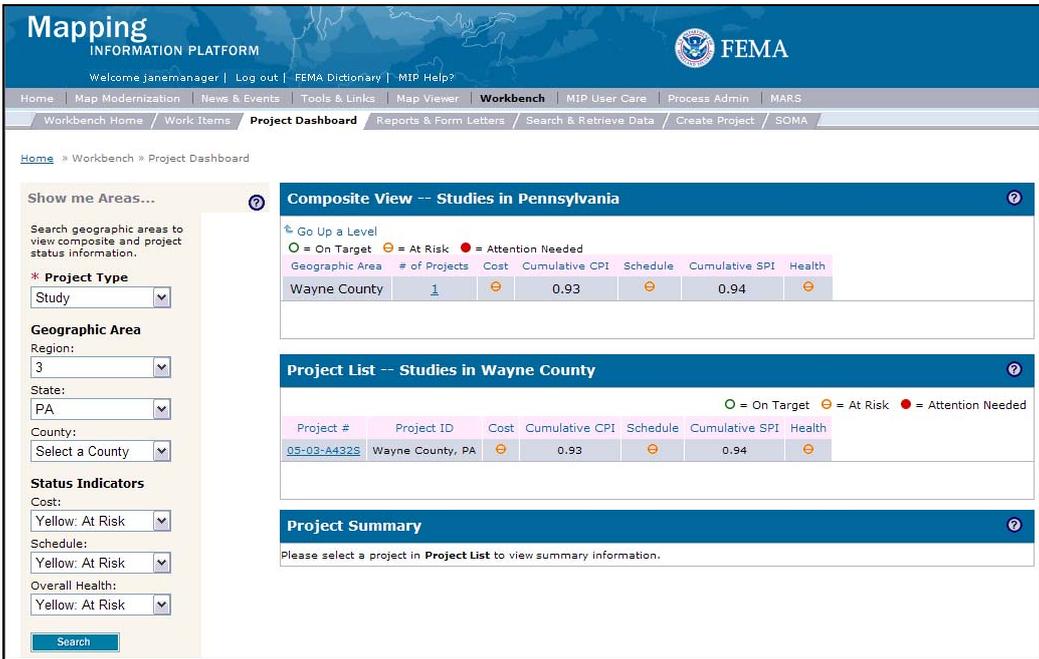
17. Click the Project # to display the Project Summary

Results
The user is able to navigate Project Dashboard functionality.

Last updated: March 2009