U.S. Navy – Hunters Point Shipyard (HPS) Web Portal

Tetra Tech EM Inc.

Presented by

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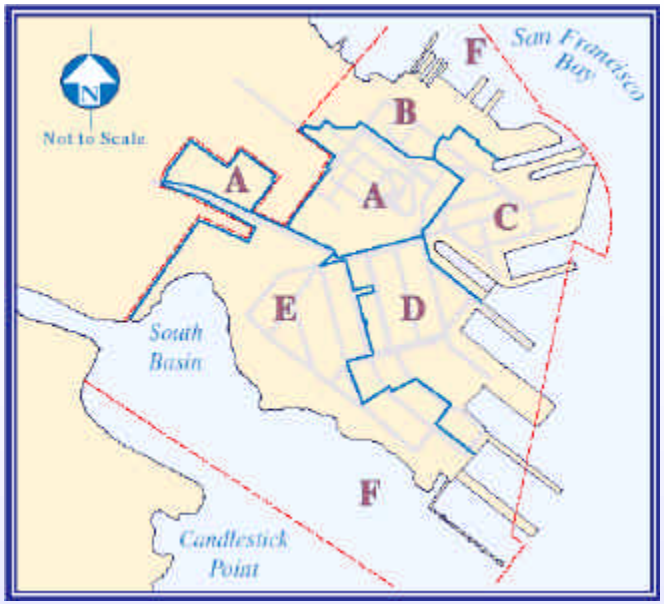
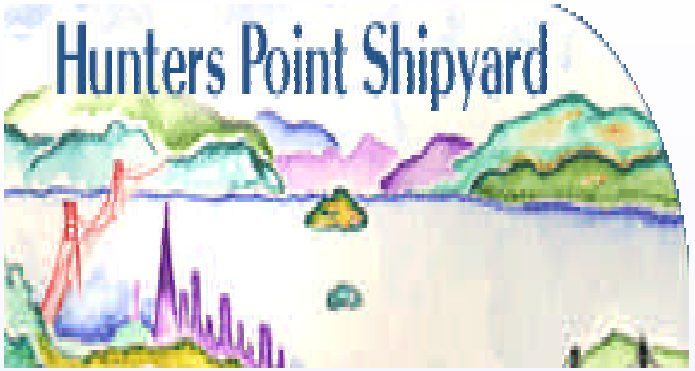
&
Stephen Schmidt





- Hunters Point Shipyard (HPS) is a 522-acre U.S. Navy facility in southeastern San Francisco. In 1986, the Navy began an environmental site remediation and cleanup program directed toward the eventual transfer of the site to the City of San Francisco.

Why a Portal?

- Enormous amounts of data
  - Time consuming to manage
  - Disorganized repositories
  - Data access
- Empower individuals and teams
  - Decisions
  - Project costs
  - Risks
- Value to organization

HPS Problem

- Data Access
  - Analytical records
  - Geographic information system (GIS) maps
- Decision Making
  - Needed to be timely
  - Required accurate information
- Document Processing
  - Publishing
  - Document management

HPS Problem

- Collaboration
  - Simultaneous ongoing projects
  - Different entities
  - Different geographic locations
  - Centralized access
  - Communication tools
  - Project management

Developing the Solution

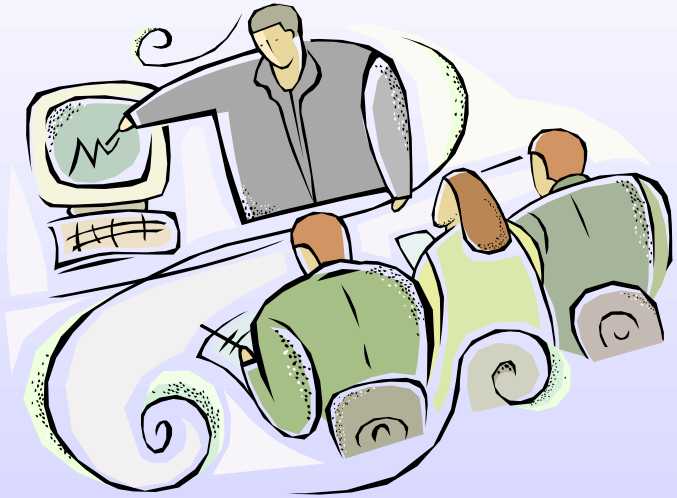
- Implementation Scenario
  - Out-of-box solution
  - Customized development
- Advantages
  - Available, robust, and stable
  - Had many required features
  - Development focused on customized requirements
  - Proven software development management
  - Quality assurance process
- Portal Software
  - Powerful and flexible portal front end

Solution

- Development and Implementation Team
- Custom features
  - Workflow
  - Query tool
  - Mapping tool
  - Contacts
- Integration of various systems
- Testing and QA/QC process
  - Unit testing, system testing, and load testing
- Implementation
  - The solution and implementation scenario selected allowed Tetra Tech to implement a fully functional beta release less than 3 months after final requirements and the initial design documents were completed

HPS Web Portal

- Portal
  - a web-based information repository
- Functionality
  - Project management tools
  - Document collaboration
  - Communicate new developments
  - Project report status
  - Issues and problems
  - Querying
  - Mapping



HPS Users and Content
Role-Based Security

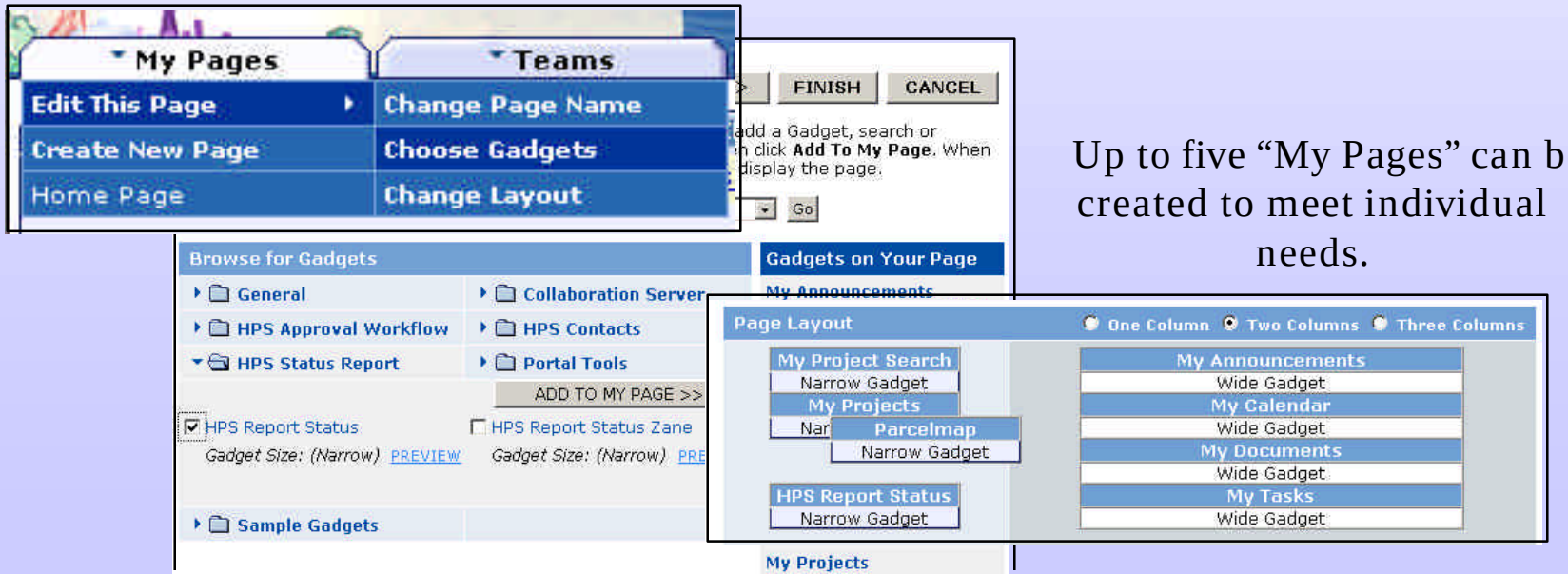
- Project role and security level control access to functions and information on the portal
  - Member of teams and projects
  - Collaborate on reports and projects
  - Upload documents.
  - Create teams and projects
  - Upload documents to the library
  - Access analytical data via the query tool
  - View analytical data in the mapping tool
  - Browse library
  - Create announcements

Project Management Tools

- Project Management Tools:
  - Customizable home page
  - Single web page
  - Task management tool
  - Project Calendar
  - Team announcement tool
  - Workflow tool
  - Team directories
  - Contact lists

My Page

"My page" is the starting page of the portal, and displays information aggregated and customized for an individual user.



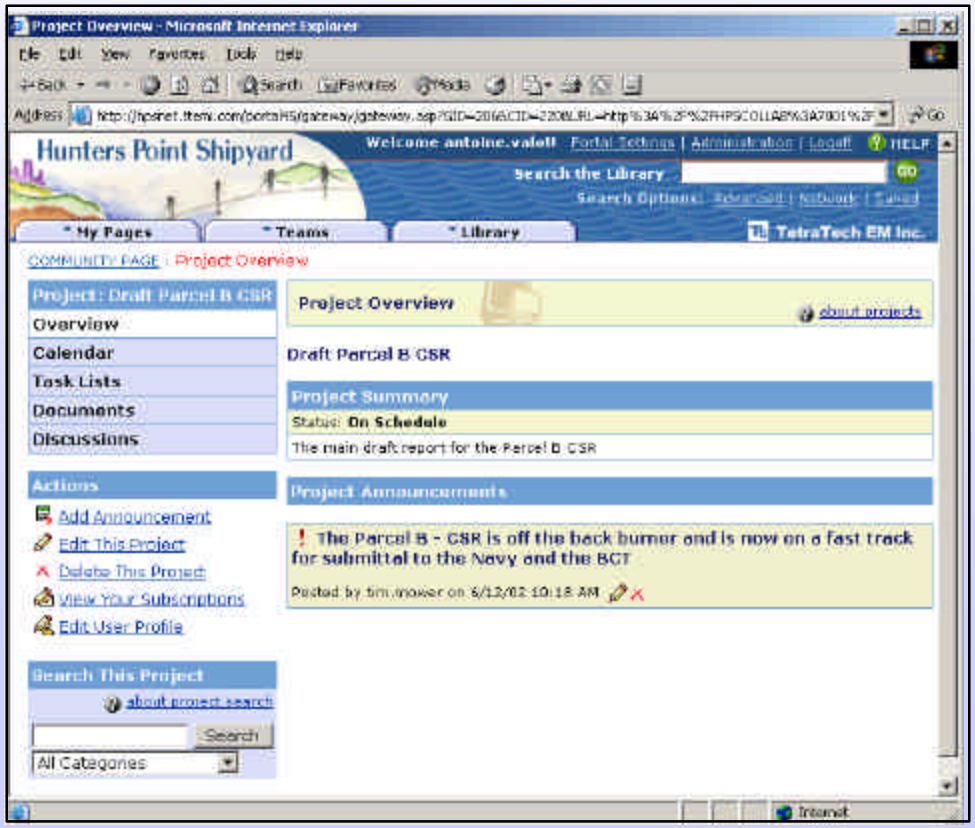
Up to five "My Pages" can be created to meet individual needs.

Selecting Projects for My Page

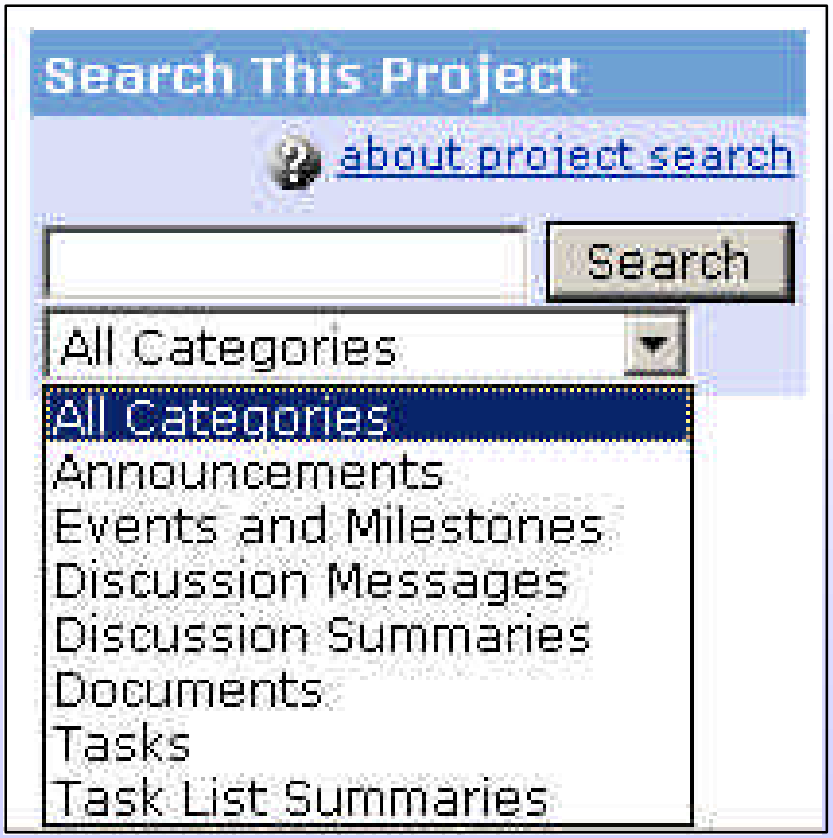
- Get project updates directly into My Page by selecting the projects where access is allowed.
- Unless a project is selected, its information will not appear in My Page, despite one's role in the project.

Projects Overview

- "Projects" allow for collaborative work, through:
  - Announcements
  - Calendars
  - Task lists and tasks
  - Documents
  - Subscriptions
  - Discussions
  - Project search



Project Search

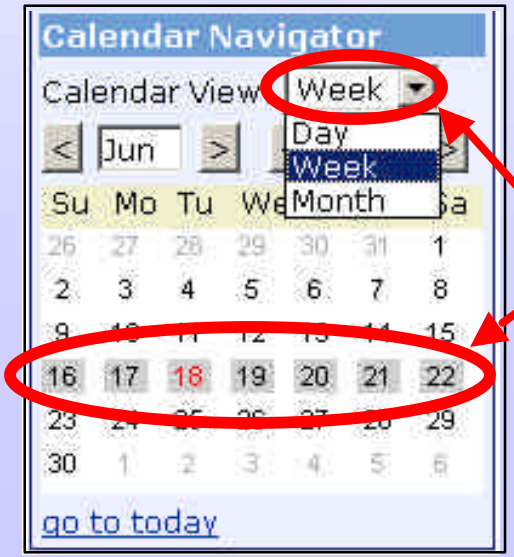


- Use Project Search to quickly find documents, tasks, discussions, and other content inside a project.
- Type in one or more keywords, and click “Search”
- The drop-down box can limit searches to specific items.
- Search all projects or just the ones with an active role.

Project Discussions/Threads

- Click on the “Discussions” link of a project page to view available discussions.
  - Discussions are about general topics.
  - Threads are a set of questions / responses / comments along a single line of thought.

Project Calendar



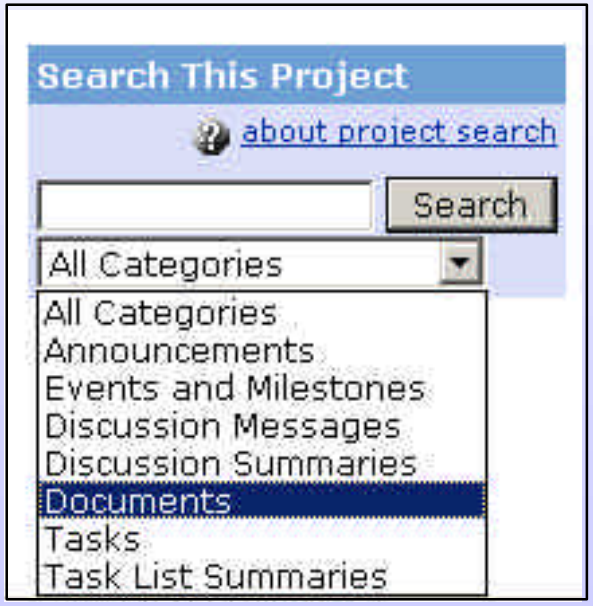
Viewing the week of June 16 to June 22

- The Calendar shows upcoming events, milestones and tasks for the project.
  - Milestones have a single date and time. Use them for discrete deadlines.
  - Events have a start date and time, and an end date and time. Use them for meetings and events with a preset duration.

Document Management/Collaboration Tools

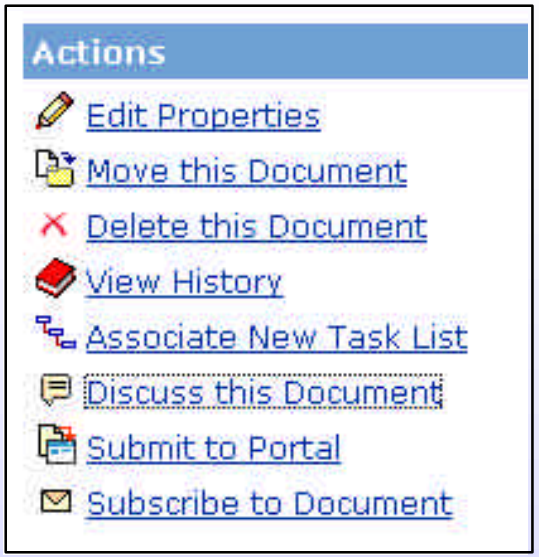
- Requirements
  - Version tracking
  - Check-in and check-out
  - Searchable metadata
  - Document publishing controls
  - Workflow management
  - Searchable threaded discussions
  - Secure document access

Documents



- Projects allow allow the organization of “Documents” into Folders and Files similarly to Windows Explorer.
- Browse through folders, or use the project search engine, filtered for “Documents.”
- View information about documents in either a detail or summary view.
- Download and/or checkout documents.

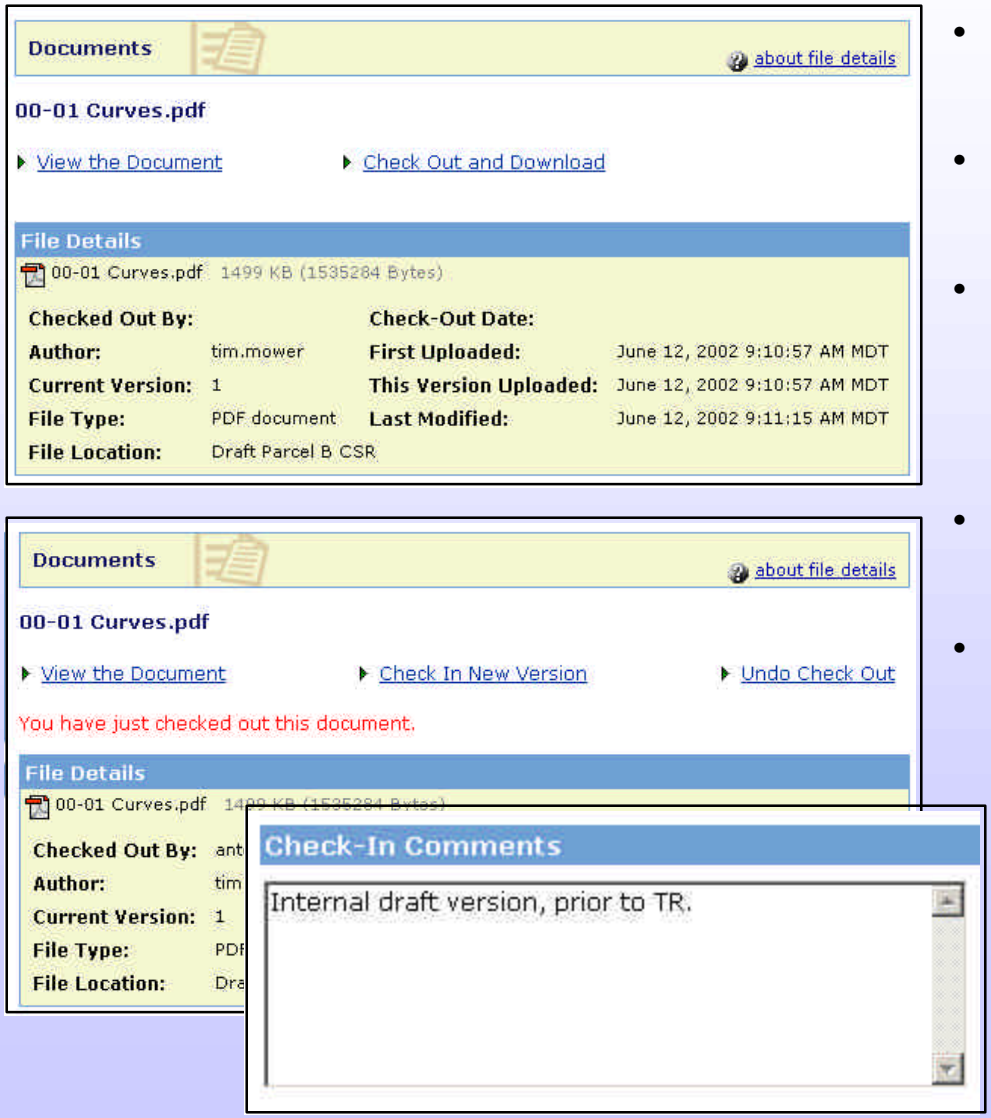
Documents – Other Actions



- "View History" shows the versions a document has been through, who changed it, and when. It also allows viewing and downloading of older versions of a document.
- Task Lists can be assigned to documents and projects.
- Documents can be discussed with other team members.
  - There can only be one discussion per document.
  - Discussion can hold any number of "threads."
  - Team members can subscribe to discussions so that they are notified by e-mail when there are new responses.

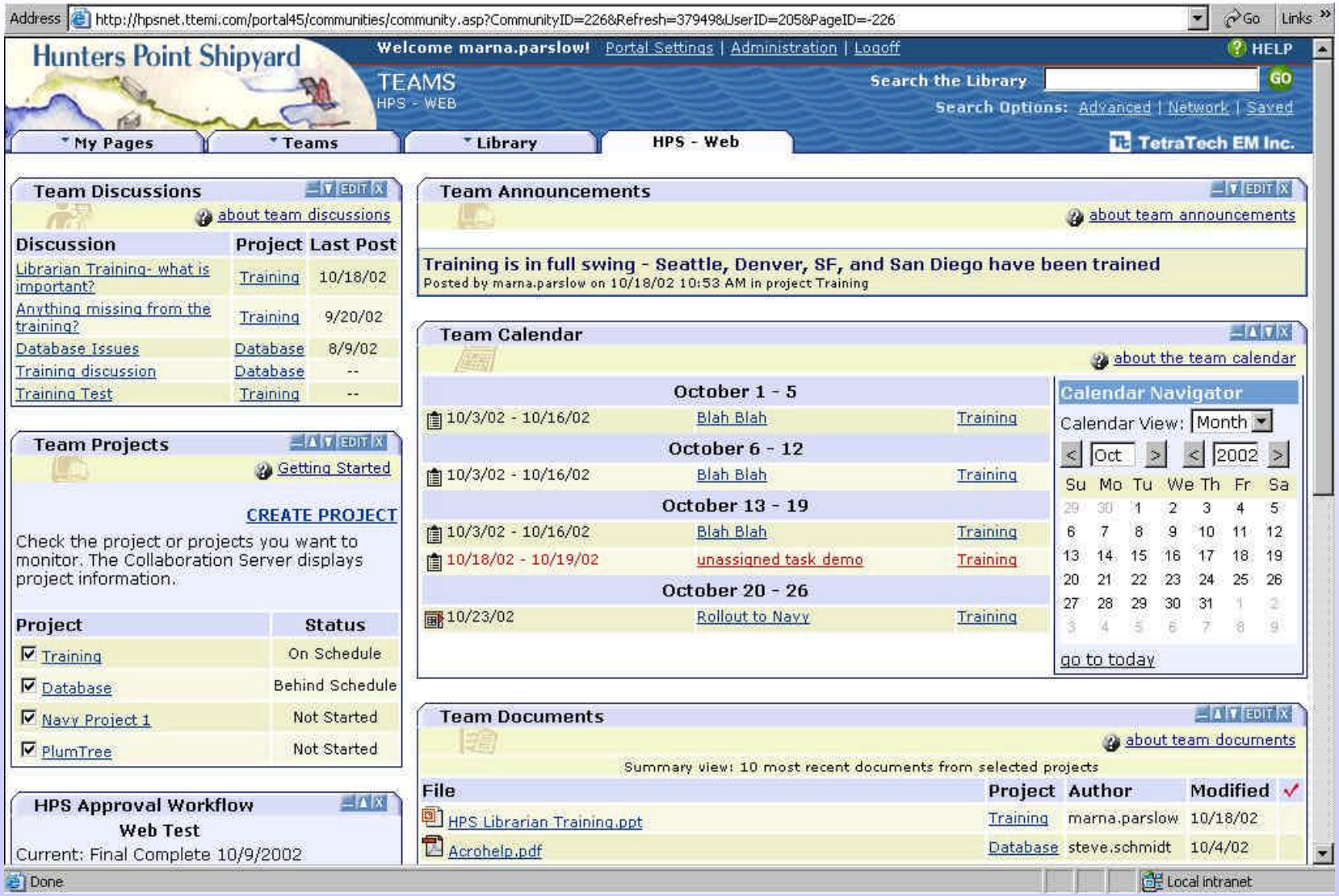
Security roles control access to these options.

Documents – View, Check-out

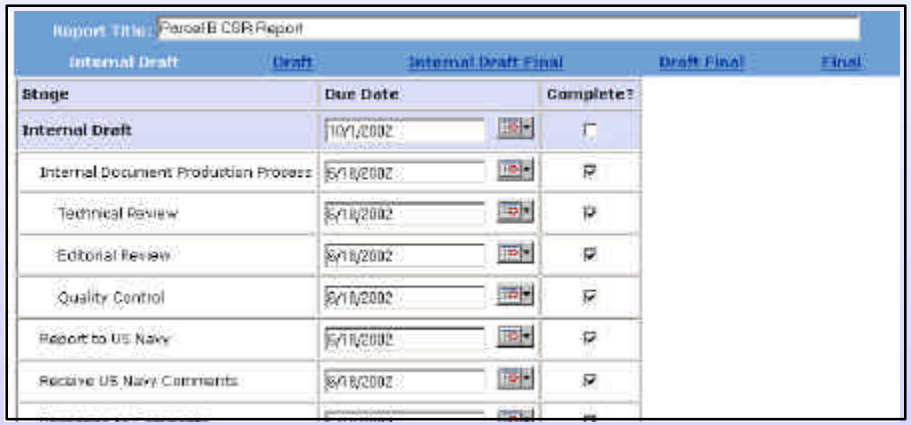


- Clicking on a document's filename shows its details.
- "View the Document" or "Check out and download"
- Checking out a document will lock it on the portal, so that others can't make changes to it until it's checked back in.
- "Check out and Download" to obtain an electronic copy of the document.
- When revisions are complete, go back to the document's details page and click on "Check in New Version" to upload it.
  - When checking in a new updated file0 check-in comments are important for future reference

A “Teams” page


Address http://hpsnet.ttemi.com/portal45/communities/community.asp?CommunityID=226&Refresh=37949&UserID=205&PageID=-226
Go
Links
Hunters Point Shipyard
Welcome marna.parslow! Portal Settings | Administration | Logoff
HELP
TEAMS
HPS - WEB
Search the Library
GO
Search Options: Advanced | Network | Saved
My Pages
Teams
Library
HPS - Web
TetraTech EM Inc.
Team Discussions
about team discussions
Discussion
Project
Last Post
Librarian Training- what is important?
Training
10/18/02
Anything missing from the training?
Training
9/20/02
Database Issues
Database
8/9/02
Training discussion
Database
--
Training Test
Training
--
Team Announcements
about team announcements
Training is in full swing - Seattle, Denver, SF, and San Diego have been trained
Posted by marna.parslow on 10/18/02 10:53 AM in project Training
Team Calendar
about the team calendar
October 1 - 5
10/3/02 - 10/16/02
Blah Blah
Training
October 6 - 12
10/3/02 - 10/16/02
Blah Blah
Training
October 13 - 19
10/3/02 - 10/16/02
Blah Blah
Training
10/18/02 - 10/19/02
unassigned task demo
Training
October 20 - 26
10/23/02
Rollout to Navy
Training
Calendar Navigator
Calendar View: Month
Oct
2002
Su Mo Tu We Th Fr Sa
go to today
Team Projects
Getting Started
CREATE PROJECT
Check the project or projects you want to monitor. The Collaboration Server displays project information.
Project
Status
Training
On Schedule
Database
Behind Schedule
Navy Project 1
Not Started
PlumTree
Not Started
Team Documents
about team documents
Summary view: 10 most recent documents from selected projects
File
Project
Author
Modified
HPS Librarian Training.ppt
Training
marna.parslow
10/18/02
Acrohelp.pdf
Database
steve.schmidt
10/4/02
HPS Approval Workflow
Web Test
Current: Final Complete 10/9/2002
Done
Local intranet

Approval Workflow

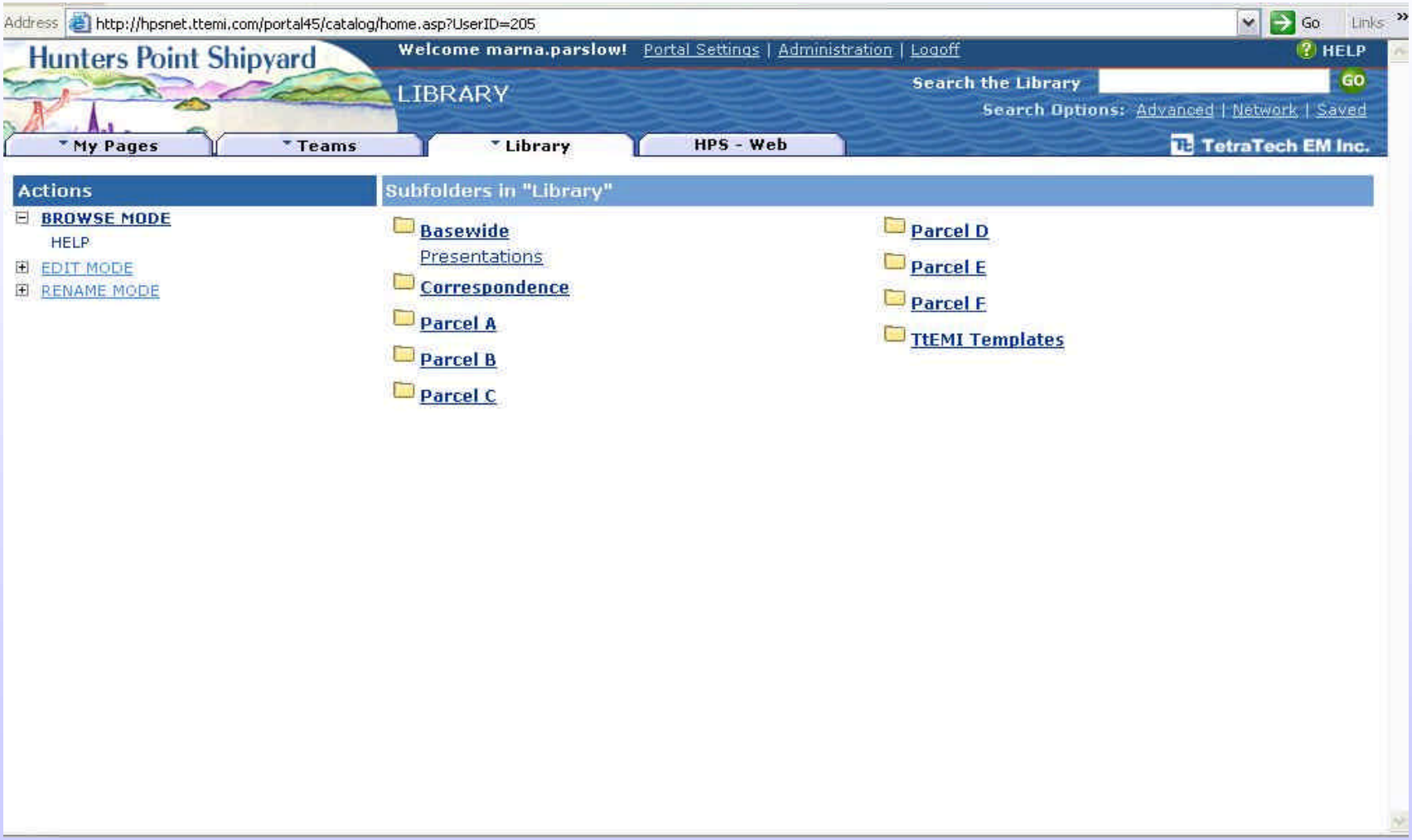


- Customized functionality
- Allows project managers to participate in the complex document review process and versioning required for HPS documents
- Data is searchable for all deliverables at HPS by due date or responsible party.

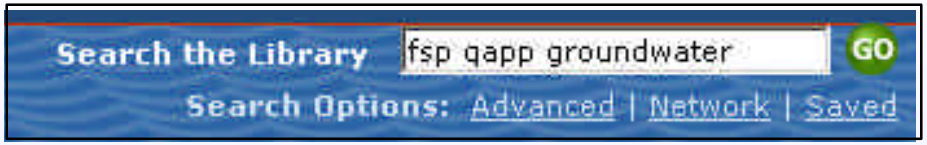
Document Library/Archive

- Automated indexing
- Powerful search engine
- Full text search
- Customizable search options
- Flexible library document schema
  - Browse by category or subfolder
- Publishing controls
- Security

The Library

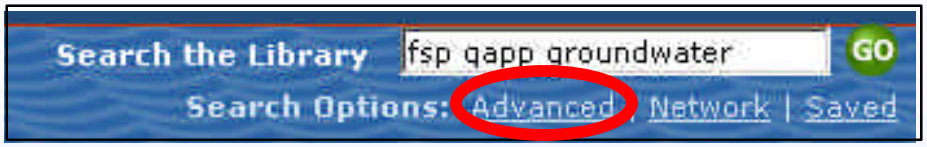

Address
http://hpsnet.ttemi.com/portal45/catalog/home.asp?UserID=205
Go
Links
Hunters Point Shipyard
Welcome marna.parslow!
Portal Settings | Administration | Logoff
HELP
LIBRARY
Search the Library
GO
Search Options: Advanced | Network | Saved
My Pages
Teams
Library
HPS - Web
TetraTech EM Inc.
Actions
BROWSE MODE
HELP
EDIT MODE
RENAME MODE
Subfolders in "Library"
Basewide
Presentations
Correspondence
Parcel A
Parcel B
Parcel C
Parcel D
Parcel E
Parcel F
TtEMI Templates

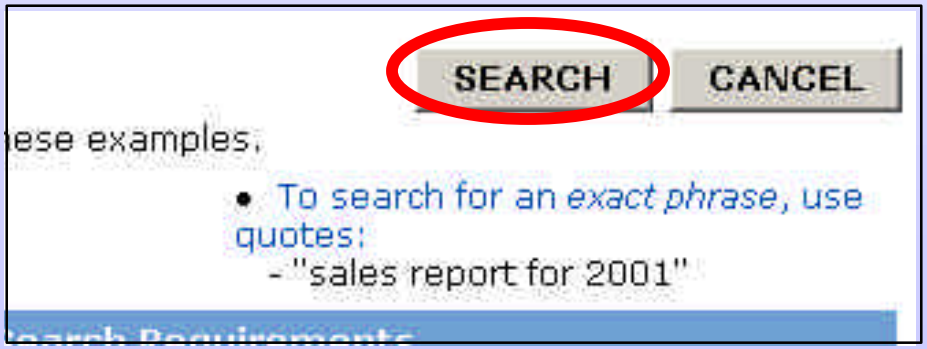
Simple Searching



- Can enter one or more keywords to search against
- The portal returns folder matches first, then file matches.
- If there are too many results, the user can try using more keywords, more specific keywords or the advanced search capabilities.

Advanced Searching



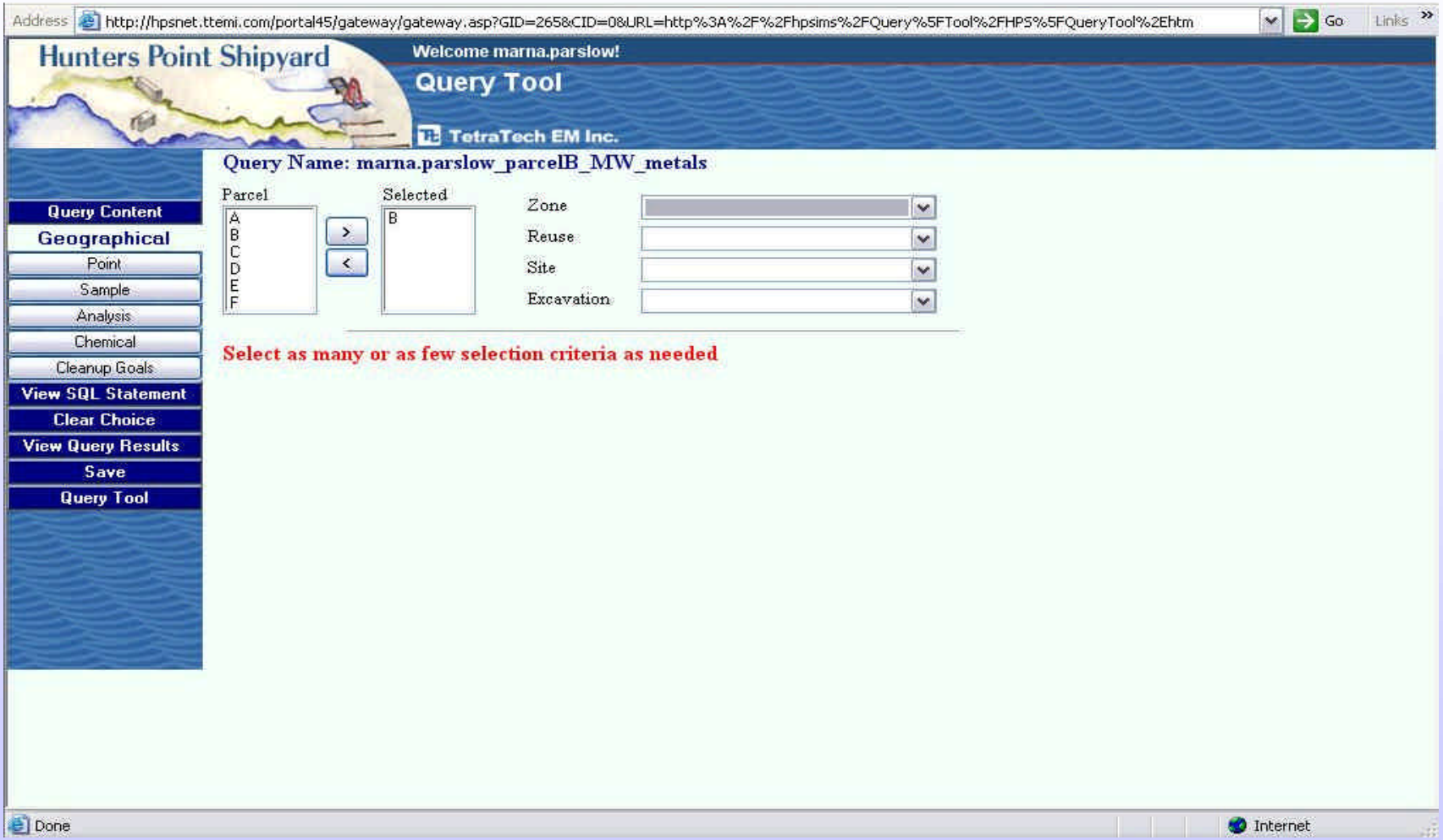


- Allows multiple “Search Requirements”
- Search for entries that match all requirements, or for all the files that match one or more of the requirements.
- Requirements can be set for text or any or all of the metadata details associated with the documents.

HPS Query Tool Requirements

- Requirements
  - Access to database
  - Queries - Create, Save, Edit, Personal, Public
    - Select filter criteria using selection options in the following categories: geographical, point, sample, analysis, chemical, and cleanup goals.
  - Reports
  - Downloadable
  - Results

HPS Query Tool

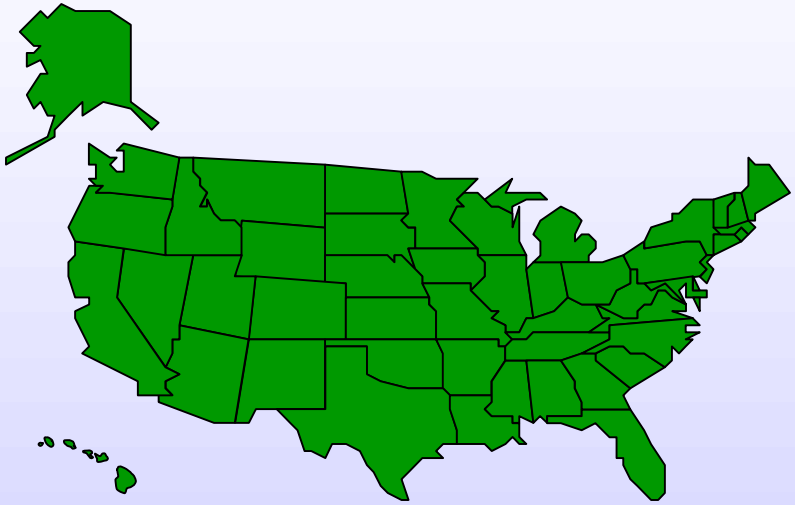


PARCEL	IRSITE	ZONING	REUSE	EXCAVATION	PT_TYPE	PT_ID	ABANDON_DT	CONTRACT	CTO_DO	SMP_DT	MATRIX_CTGY	MATRIX	SMP_TYPE	SMP_TDEP_I
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0
B	07	RESIDENTIAL	OPEN SPACE		MW	IR07MW20A1		CLEAN 2	0270	4/25/2000 12:00:00 AM	WATER	WATER	ORIG	0

Web GIS requirements

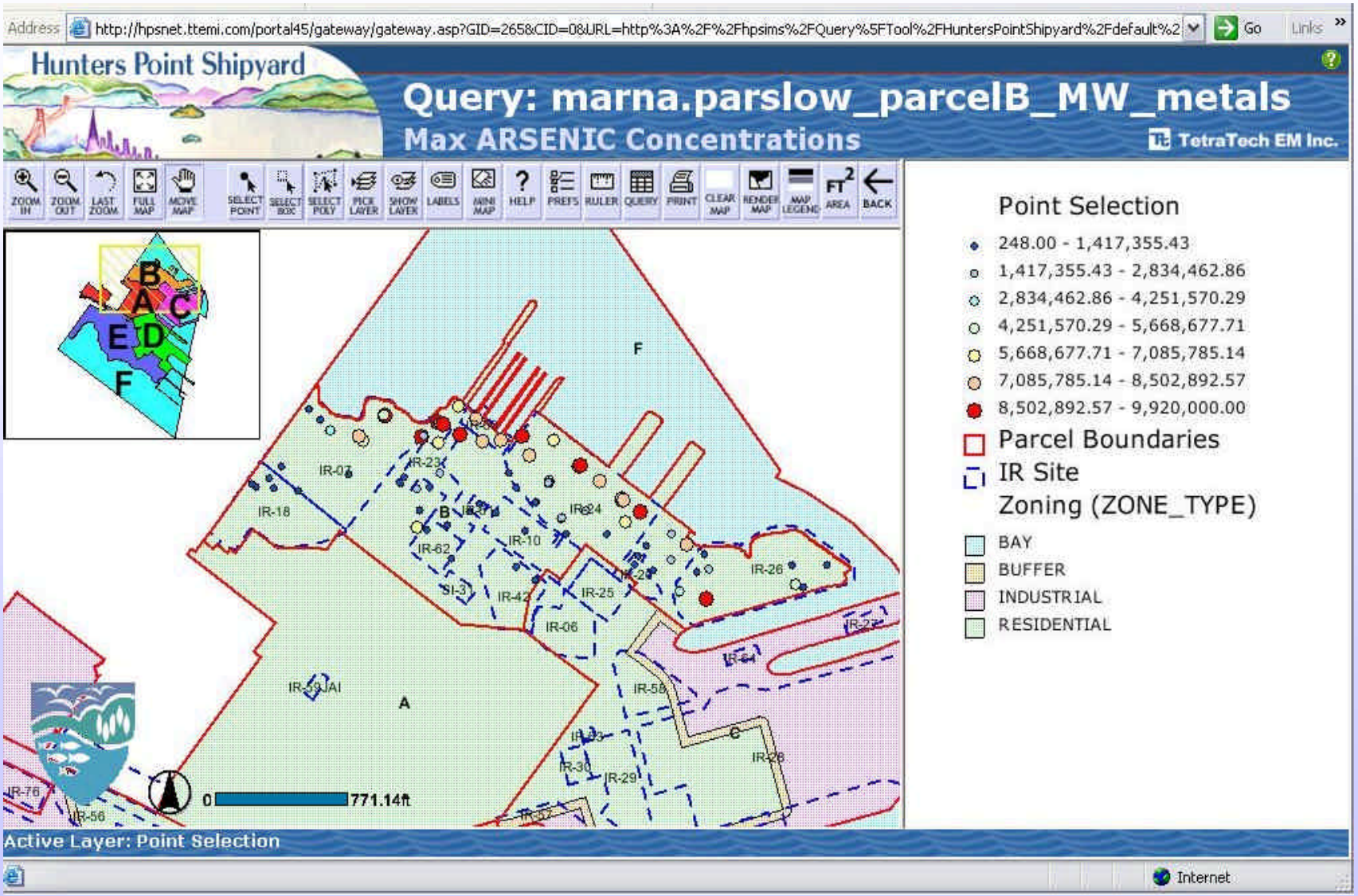
- GIS functions
- Data layers
- Results by chemical concentration
- Most commonly requested
- Aerial photography layers
- Access to common queries
- Multiple select tools with hyperlink

Web GIS Mapping Tool

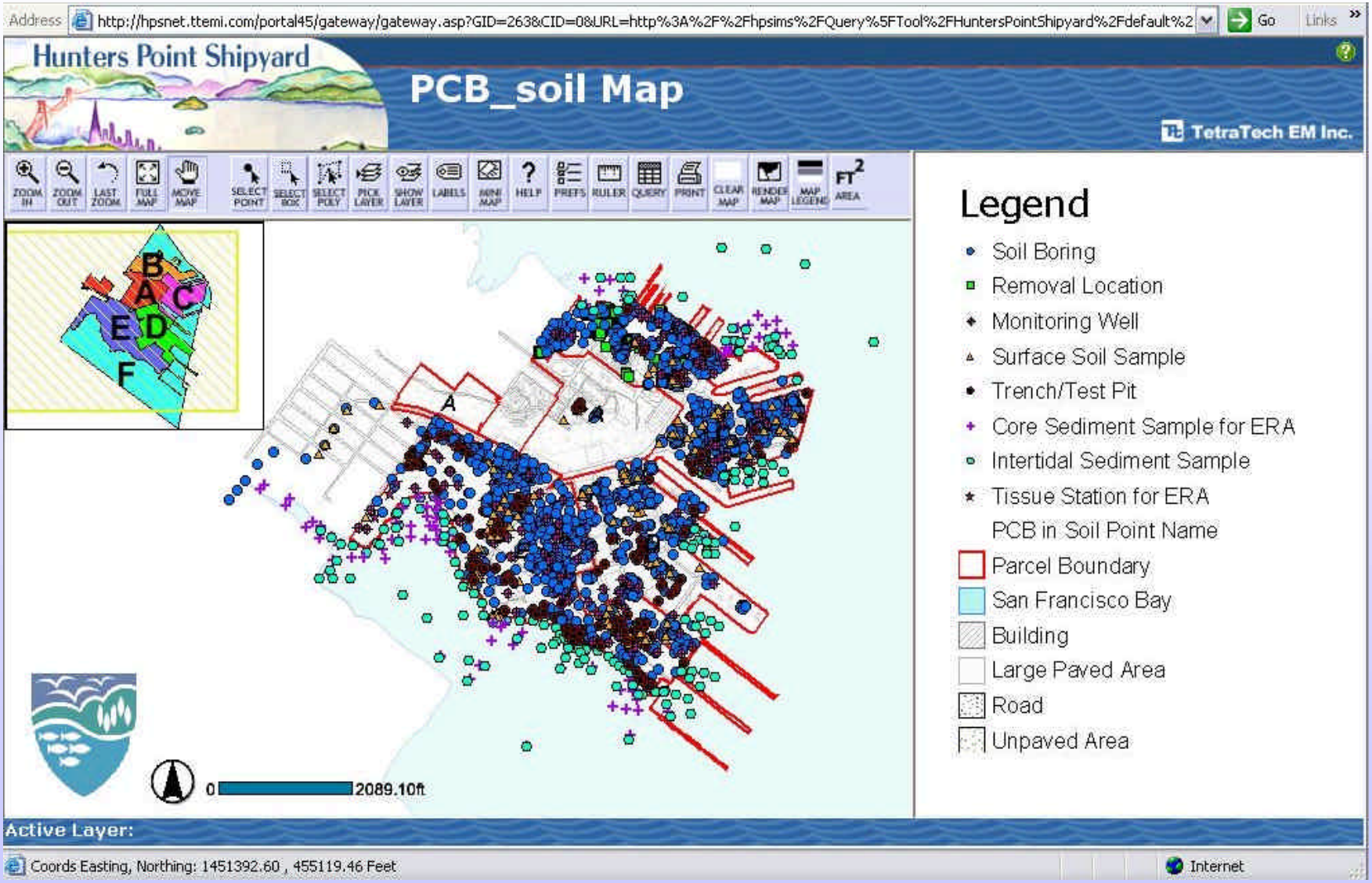


- Web-enabled GIS application
  - Electronic map base
  - Spatial layers
  - Panned and zoom
- Predefined Maps
- Ad hoc Maps
- Portable document format (PDF)

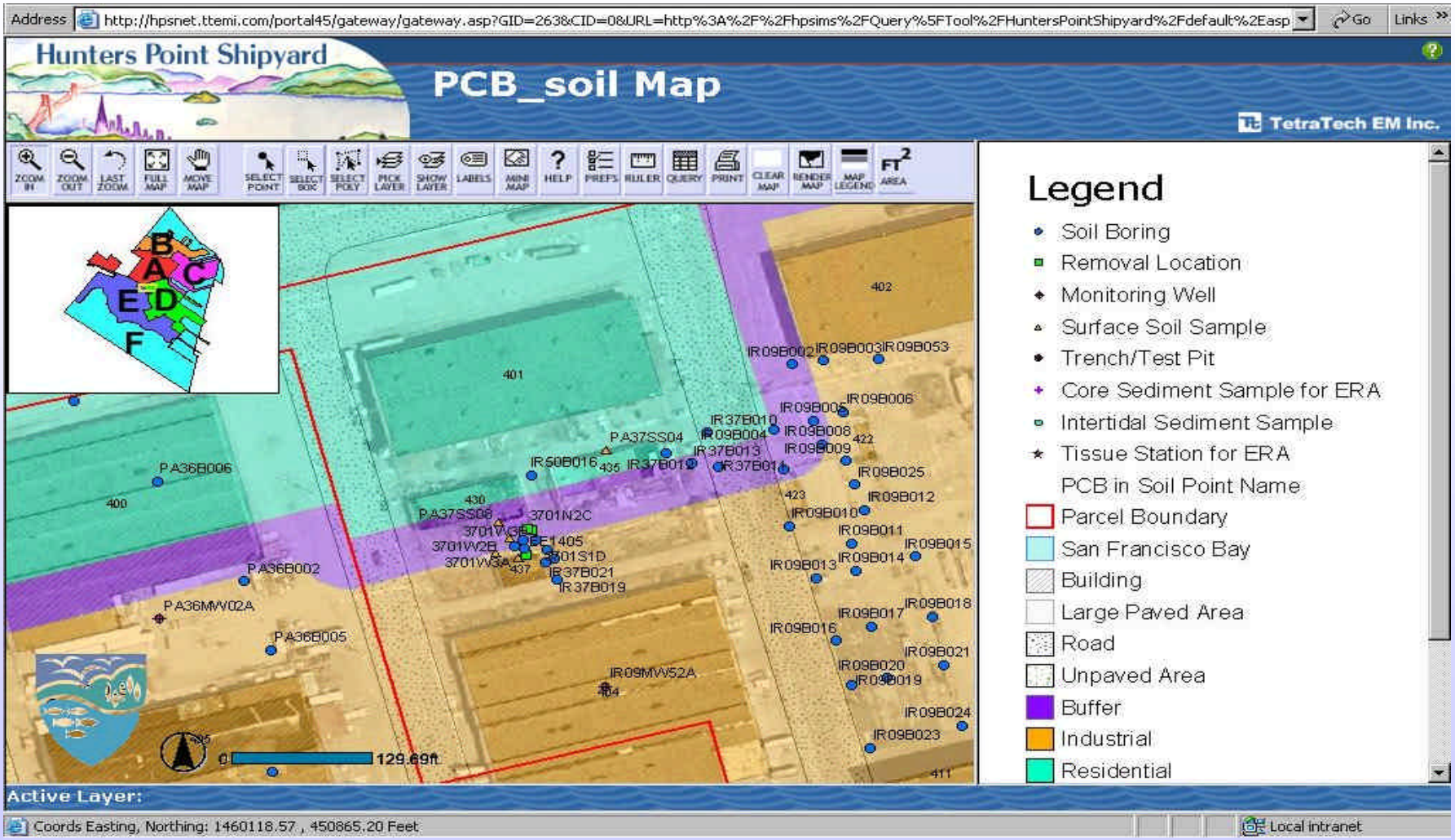
Query Tool Results in Graphical Format



Predefined Map

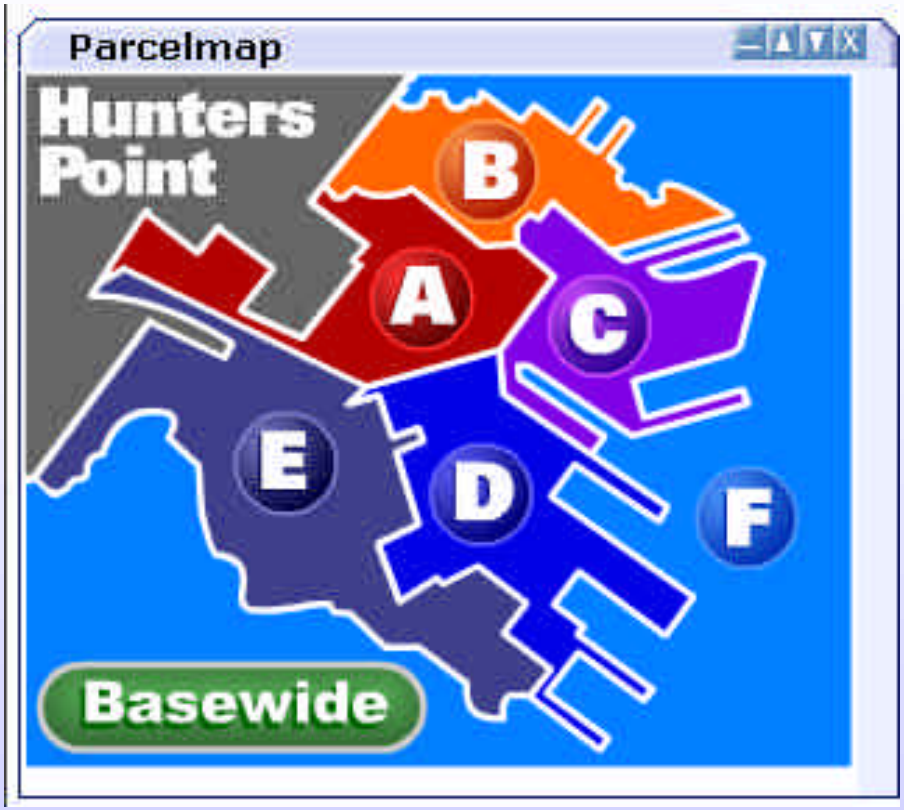


Map Tool Predefined Maps

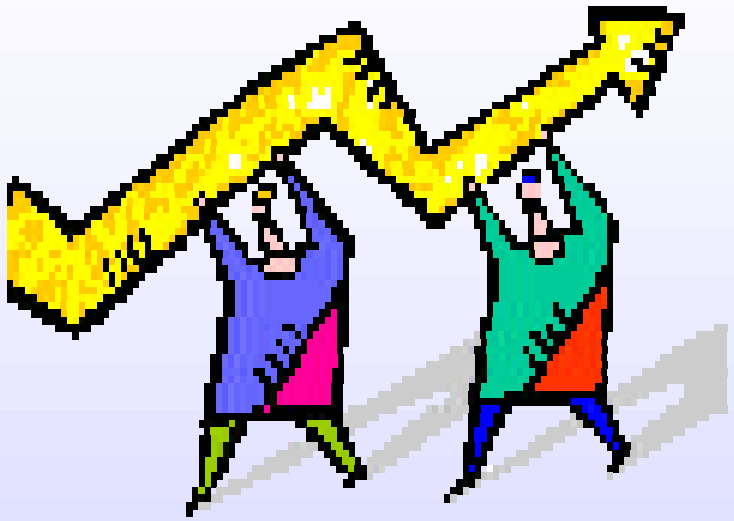


Predefined maps consisting of an aerial photograph of the site are activated when the user zooms in to a particular scale.

The Parcel Map



- The parcel map is a quick way to access the “Basewide HPS” projects.

Benefits of Solution

- Increased productivity
- Reduced costs
- Increased security
- Better project management and communication