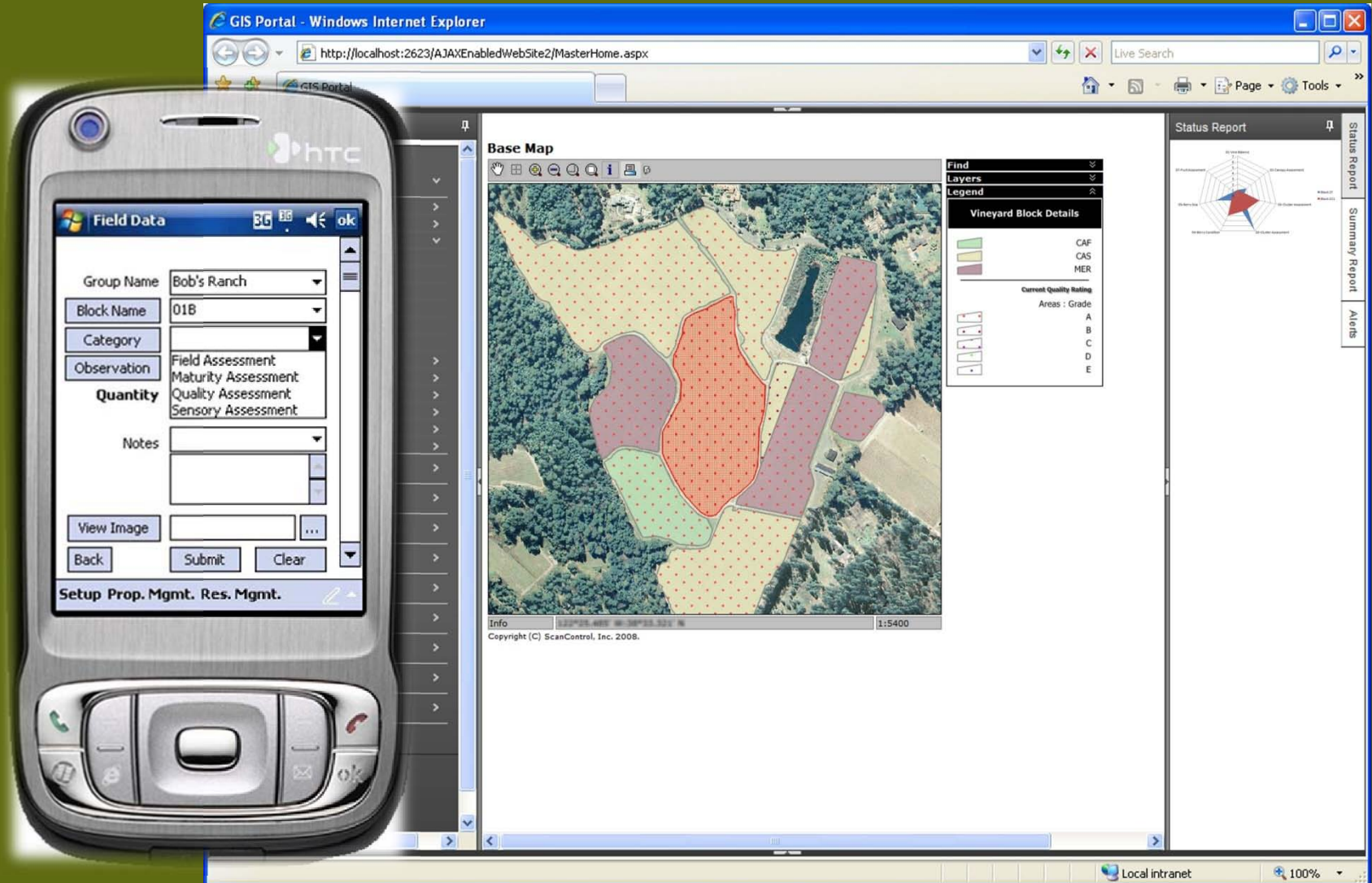


From Field to Insight

Scalable Field-Data Collection



The image displays a GIS Portal application with two main views: a mobile phone interface for field data entry and a desktop web browser interface for map visualization and reporting.

Mobile Phone Interface (Field Data):

- Group Name:** Bob's Ranch
- Block Name:** 01B
- Category:** (Dropdown menu)
- Observation:** Field Assessment, Maturity Assessment, Quality Assessment, Sensory Assessment
- Quantity:** (Dropdown menu)
- Notes:** (Text input field)
- Buttons:** View Image, Back, Submit, Clear
- Footer:** Setup Prop. Mgmt. Res. Mgmt.

Desktop Web Browser Interface (GIS Portal):

- Browser:** Windows Internet Explorer
- URL:** http://localhost:2623/AJAX/EnabledWebSite2/MasterHome.aspx
- Map Title:** Base Map
- Map Content:** Aerial map showing vineyard blocks color-coded by quality grade (A, B, C, D, E).
- Legend:**
 - Vineyard Block Details:** CAF (Green), CAS (Yellow), MER (Red)
 - Current Quality Rating:** Areas: Grade A, B, C, D, E
- Status Report:** A radar chart showing various metrics.
- Navigation:** Status Report, Summary Report, Alerts
- Footer:** Local intranet, 100%

Fundamentals

- Workflow Driven
 - Ag-chem record keeping
 - Planned activities
 - Event Driven
 - Timesheet
 - Harvest preparation
- Structure
 - Who, What, Where, When, How Much

Infrastructure

- Database server
- IIS Server
- Support applications/tools
- Technical resources
- Disaster recovery



Hosted
Or
Installed

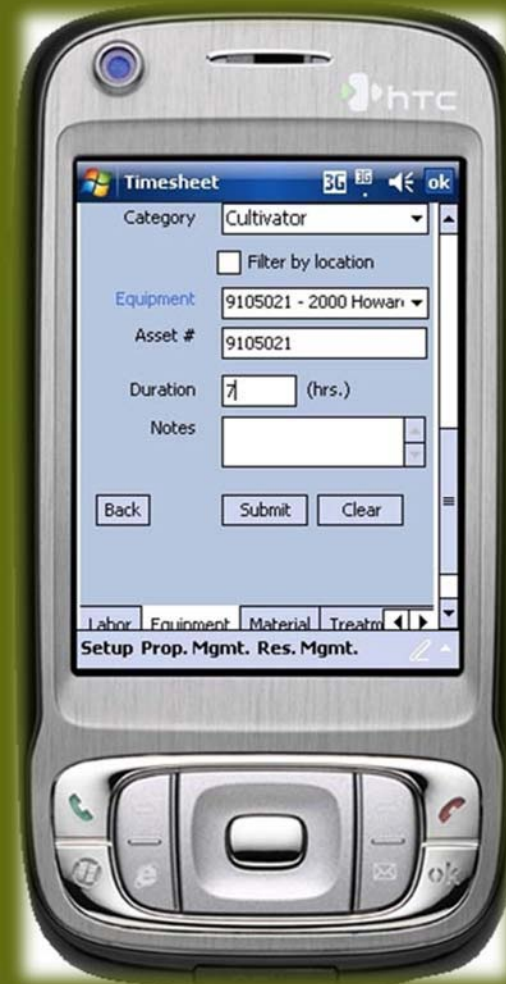
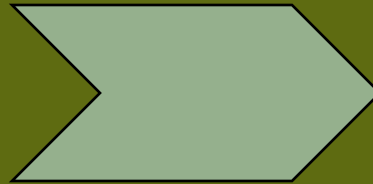
Scalable

- Security
 - Encryption
 - Loss recovery
- Software Maintenance
 - Deployment, updates
- Support
 - Remote interaction
 - Device status (location awareness possible)

Flexible



Comprehensive



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FDM Enterprise Edition

File Administration Inventory Field Data Reporting Help

Timesheet Details

Shift Details | Shift Summary

Record(s): 4 7/16/2009 (Type here to find) Find

Practice	Cloc...	Cloc...	Lunc...	Lunc...	Shift	Crew	Labor	Dur.
Cultivating	06:00	15:30	11:00	11:30	9	R & J	J. Miller	9
Cultivating	06:00	15:30	11:00	11:30	9	R & J	R. Ashley	9
Cultivating	06:00	15:30	11:00	11:30	9	R & J	R. Wood	9
Cultivating	06:00	15:30	11:00	11:30	9	R & J	S. Graves	9

New Delete Close Cancel

Current Record

Shift Time | Activity

Activity: [] Group: []

Block

Block	SBN	Area	% Complete

Allocation: Equal Proportional None

Labor | Equipment | Material | Treatment

Labor Crew Time Code

[] []

Rate Code

[]

Duration (hrs.) Rate \$

[] []

Notes

[]

Apply Clear

Add mode activated SQL Server: SCANCONT-02B1B3\CROPTRAKEE Database: FOSNATEST01

Comprehensive

FDM Enterprise Edition

File Administration Inventory Field Data Reporting Help

Timesheet Details

Shift Details | Shift Summary

Record(s): 1 7/16/2009 Cultivator [Type here to find] Find

Practice	Cloc...	Cloc...	Lunc...	Lunc...	Shift	Equipment	Type	Dur.
Cultivating	06:00	15:30	11:00	11:30	9	Cultivator	9105021 - 2000...	7

New
Delete
Close
Cancel

Current Record

Shift Time Activity

Activity: Cultivating Group: Blue Car

Block

Block	SBN	Area	% Complete
<input checked="" type="checkbox"/> 1		21.9	100
<input checked="" type="checkbox"/> 2		3.5	100
<input checked="" type="checkbox"/> 31		5.3	100
<input checked="" type="checkbox"/> 4		4.3	100

Allocation
 Equal Proportional None

Labor Equipment Material Treatment

Category: Cultivator Filter by location

Equipment: 9105021 - 2000 Howard tiller HR35 60S

Asset #: 9105021 Duration: 7 (hrs.)

Notes: [Text Area]

Apply Clear

Edit mode activated SQL Server: SCANCONT-02B1B3\CROPTRAKEE Database: FOSNATEST01

Comprehensive

FDM Enterprise Edition

File Administration Inventory Field Data Reporting Help

Timesheet Details

Shift Details | Shift Summary

Labor Crew: R & J | Name: R. Wood | Employee ID: 111222 | Period Ending: 7/18/2009 |

Group Name	Day	Date	Activity	Total Hours	Time Code	RateCode
Bob's Ranch	Monday	7/13/2009	Hand Hoe	9	361 - GVL-SON	010 - Reg.
Bob's Ranch	Tuesday	7/14/2009	Safety training	2	315 - R1 - Spec...	010 - Reg.
Bob's Ranch	Tuesday	7/14/2009	Fruit Thinning	7	301 - R1 - Pruni...	010 - Reg.
Blue Car	Thursday	7/16/2009	Cultivating	9	315 - R1 - Spec...	

Double-Click to Sign

Time Code	Duration
361 - GVL-SON	9
315 - R1 - Special	11
301 - R1 - Pruning	7

Add mode activated | SQL Server: SCANCONT-02B1B3\CROPTRAKEE Database: FOSNATEST01

GIS Portal - Windows Internet Explorer

http://localhost:2623/AJAXEnabledWebSite2/MasterHome.aspx

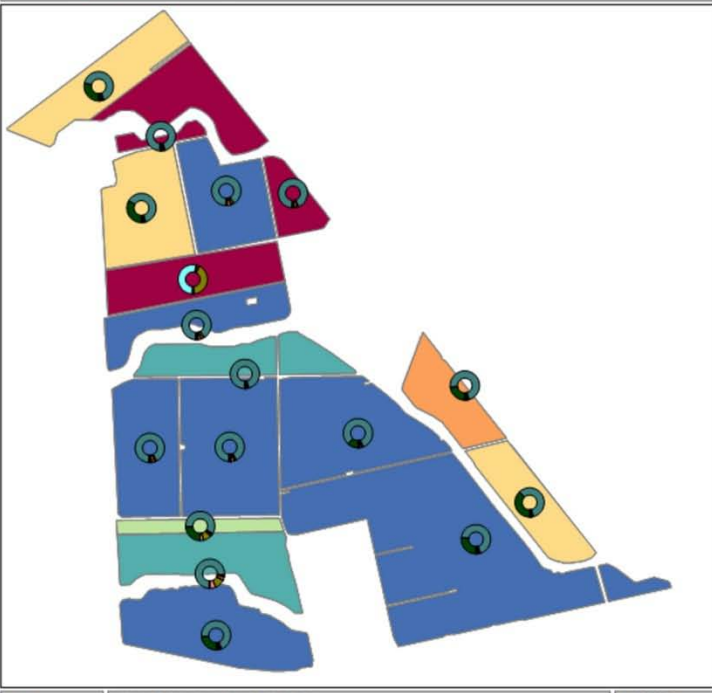
Live Search

Navigation

- Alexander Valley
- AME
 - Harvest Management
 - Yield Management
 - Treatment Management
 - Irrigation Management
 - Brand Allocation
 - Labor Allocation
- Coyote Hills
- Franz Creek
- Jimtown I
- Jimtown II
- Legacy
- Valley
- Vinwood
- Status Reports
- Chile
- Monterey
- Napa
- Sonoma 1
- Sonoma 2
- Santa Barbara
- Mendocino County
- Lake County
- West County

Announcements

Labor Analysis Map



Layers

Legend

Cumulative Labor Details

Labor Allocation Data
Areas : Min./Vine.

<2.5
2.5...3
3...3.5
3.5...4
4...4.5
4.5...5
5...5.5
5.5...6
6...6.5
6.5...7
7...7.5
>7.5

Allocation Assignment

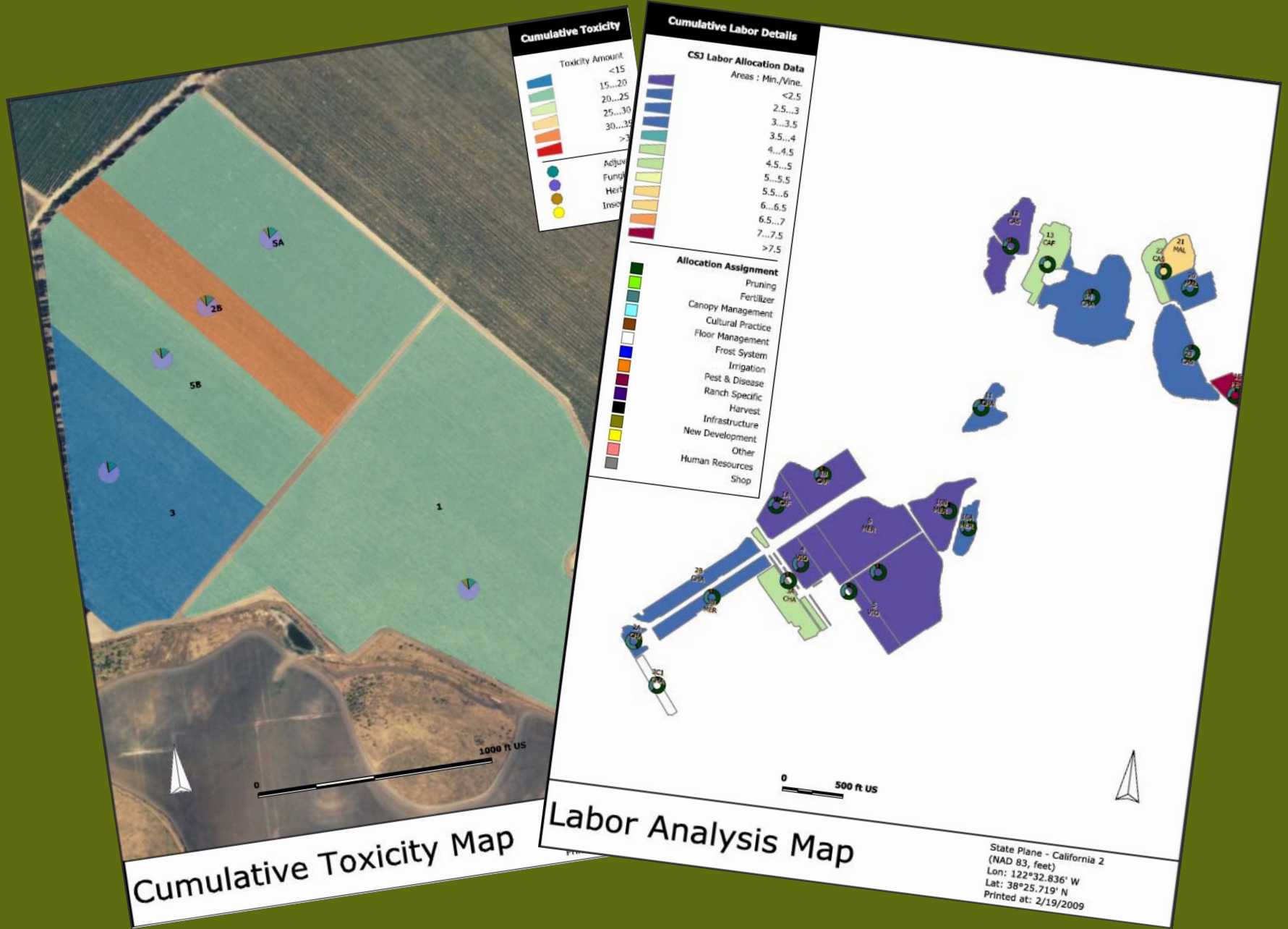
- Pruning
- Fertilizer
- Canopy Management
- Cultural Practice
- Floor Management
- Frost Systems
- Irrigation
- Pest & Disease
- Ranch Specific
- Harvest
- Infrastructure
- New Development
- Other
- Human Resources
- Shop

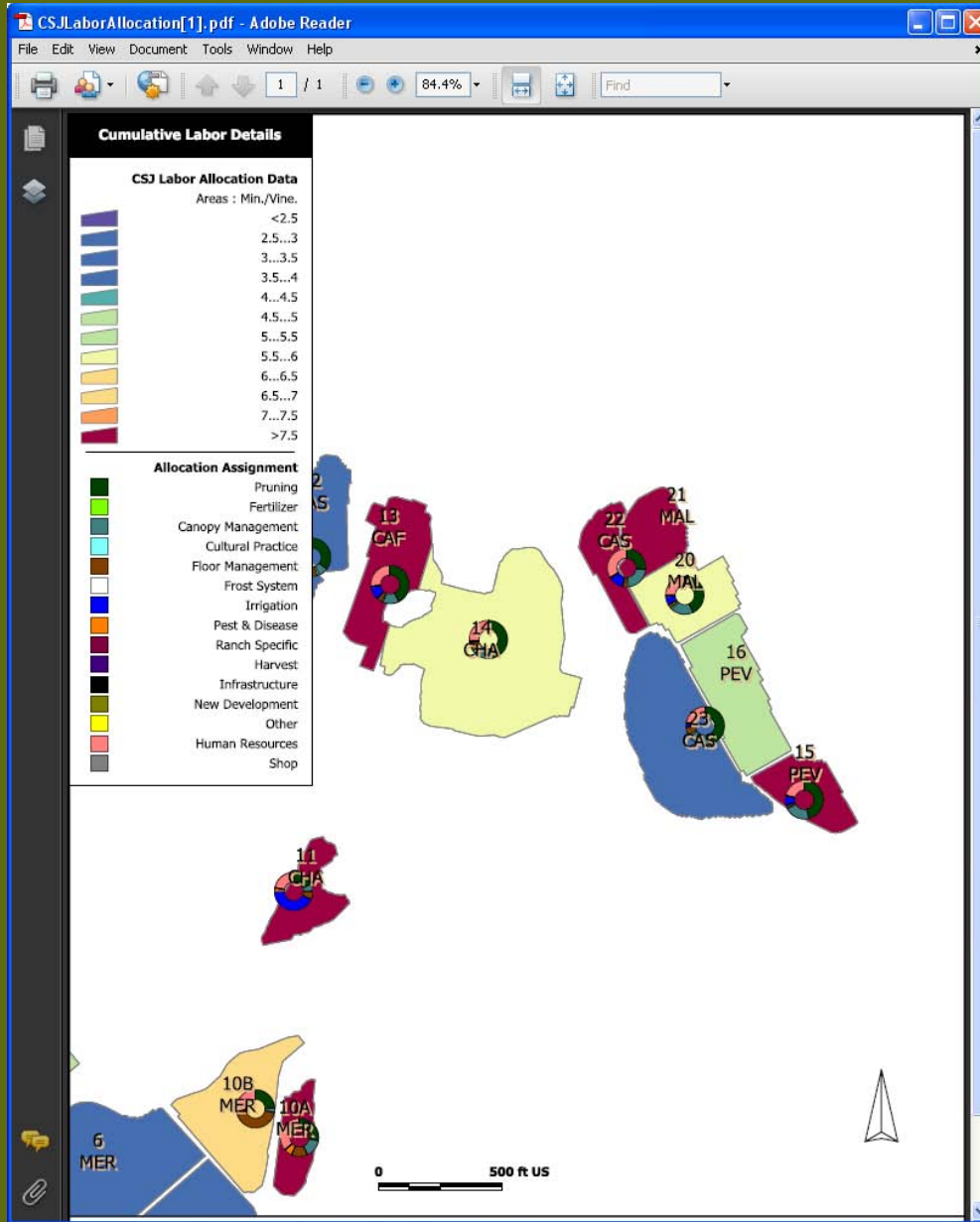
pan 1:10000

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Queries

Local intranet 100%





Typical Deployment