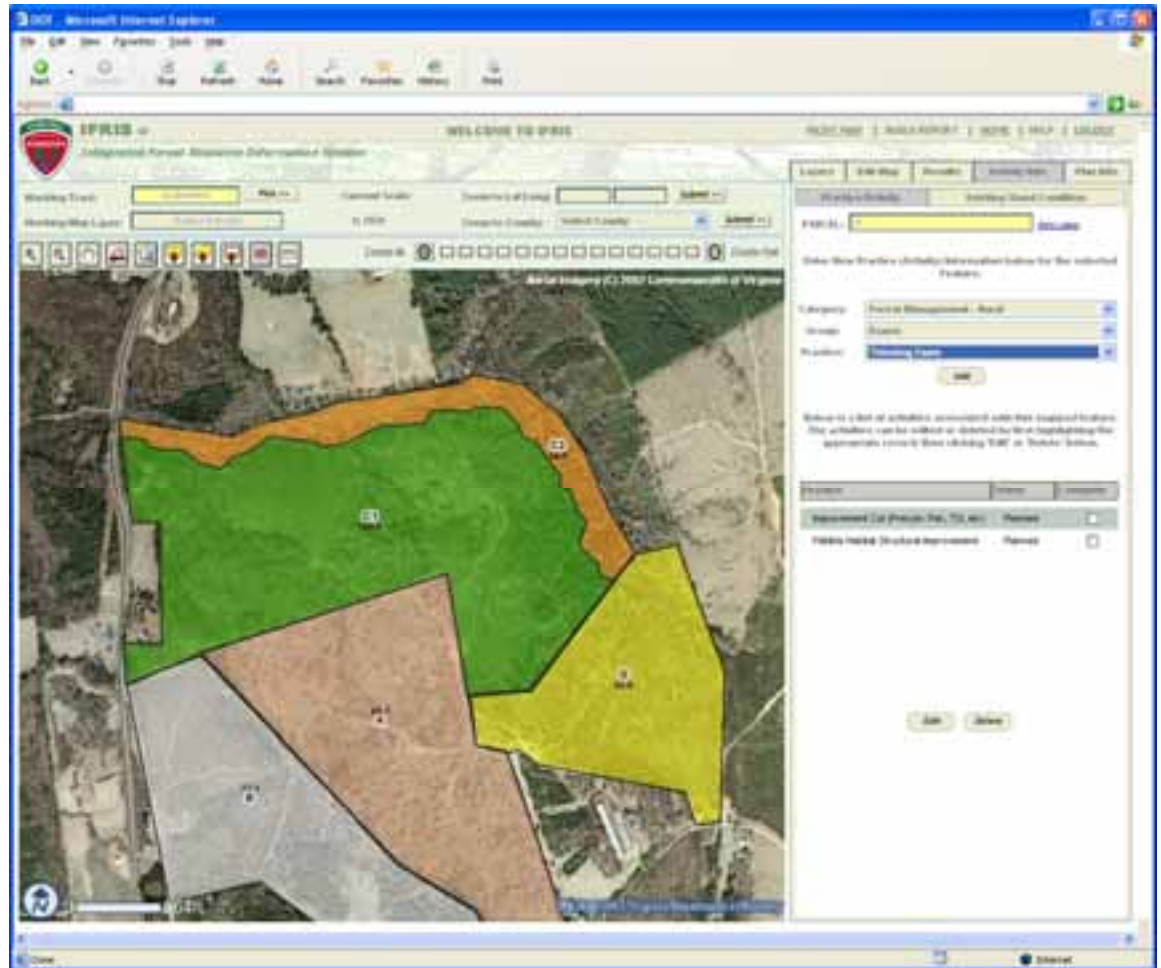


Extending IFRIS into the Field Using ArcGIS Mobile

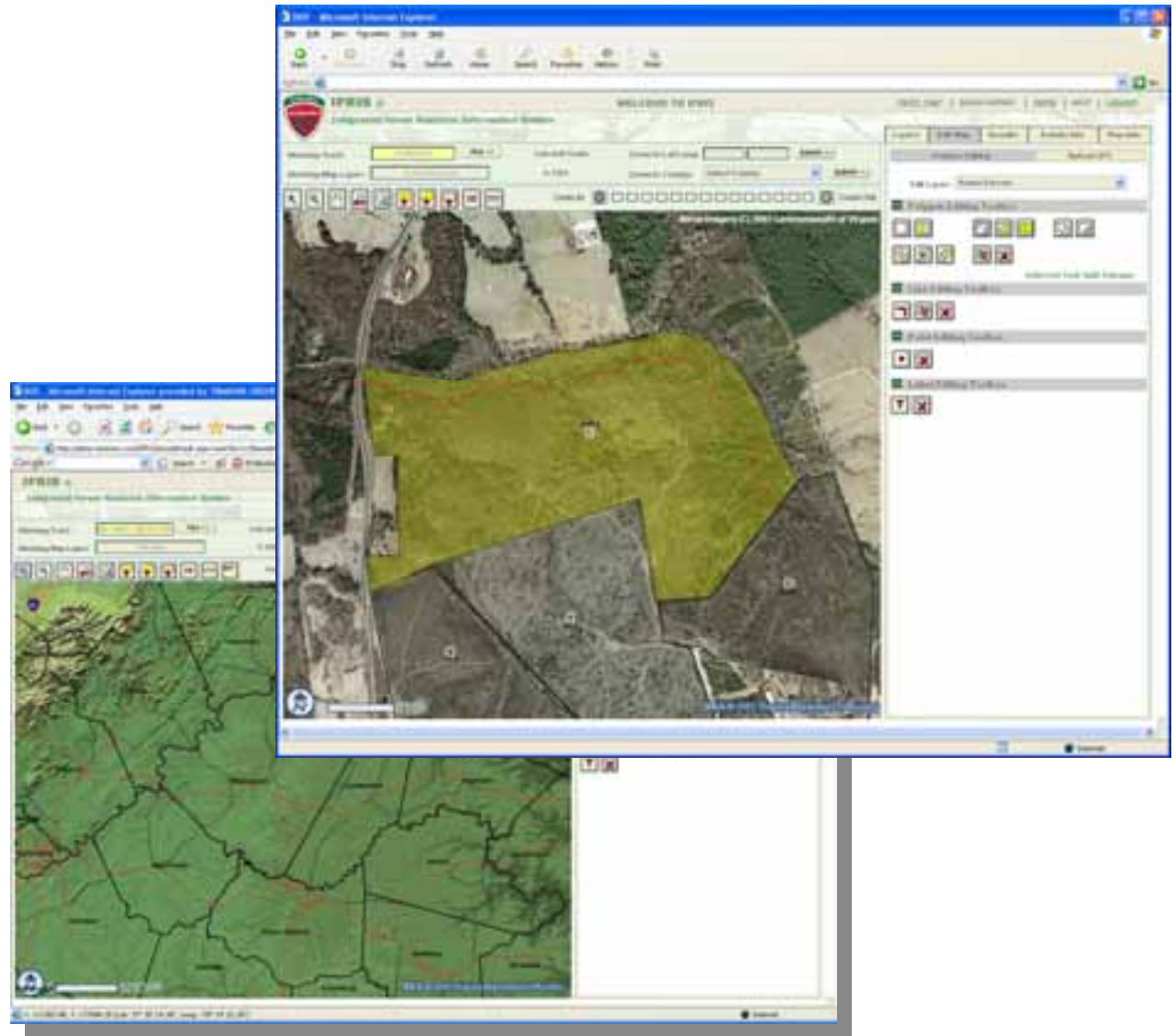


Forestry – Business Requirements

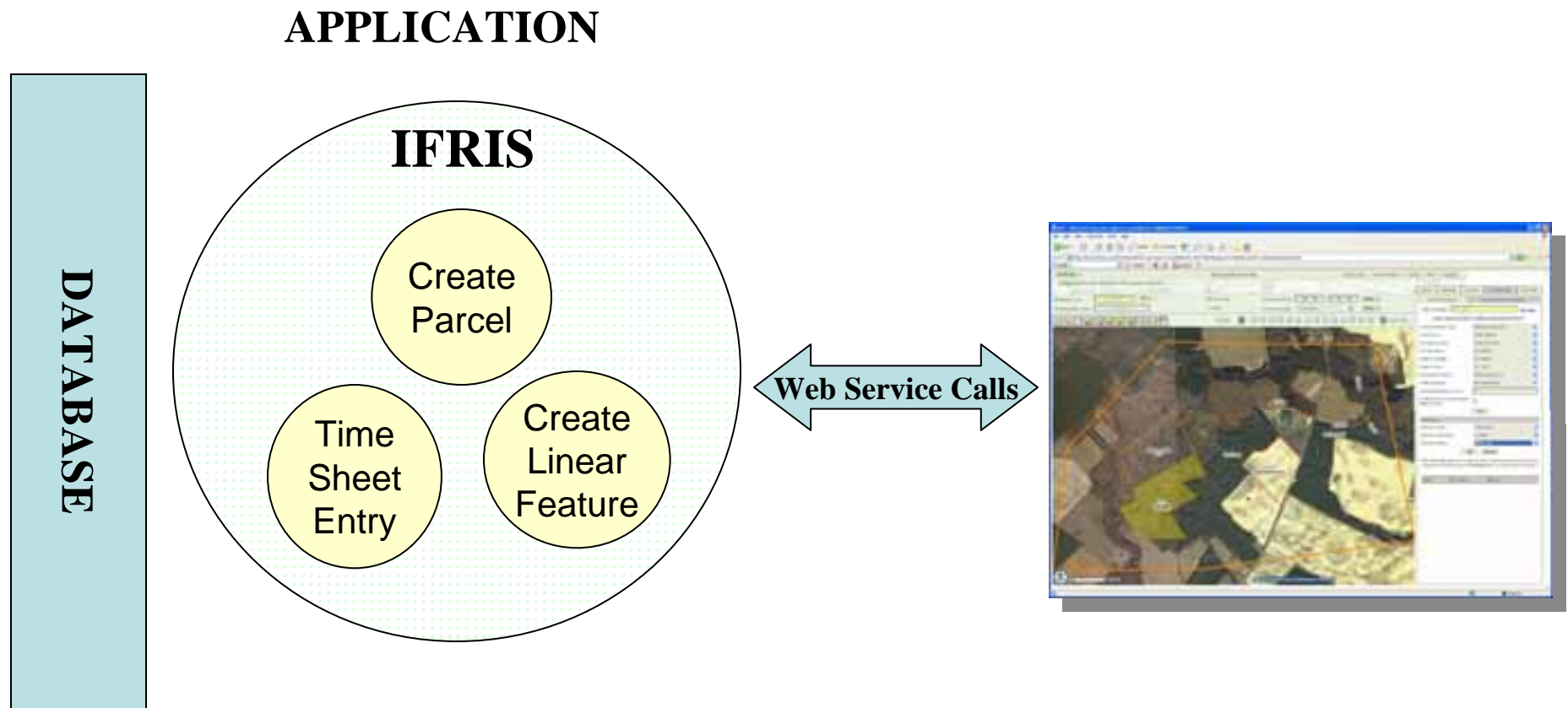
- ④ Associate time, and accomplishments, with spatial features on the ground
- ④ Reduce existing, cumbersome workflows related to time / accomplishment reporting from field offices
- ④ Streamline federal reporting requirements through business process integration
- ④ Allow 80+ field offices to edit a single enterprise geodatabase

Forestry – Overview

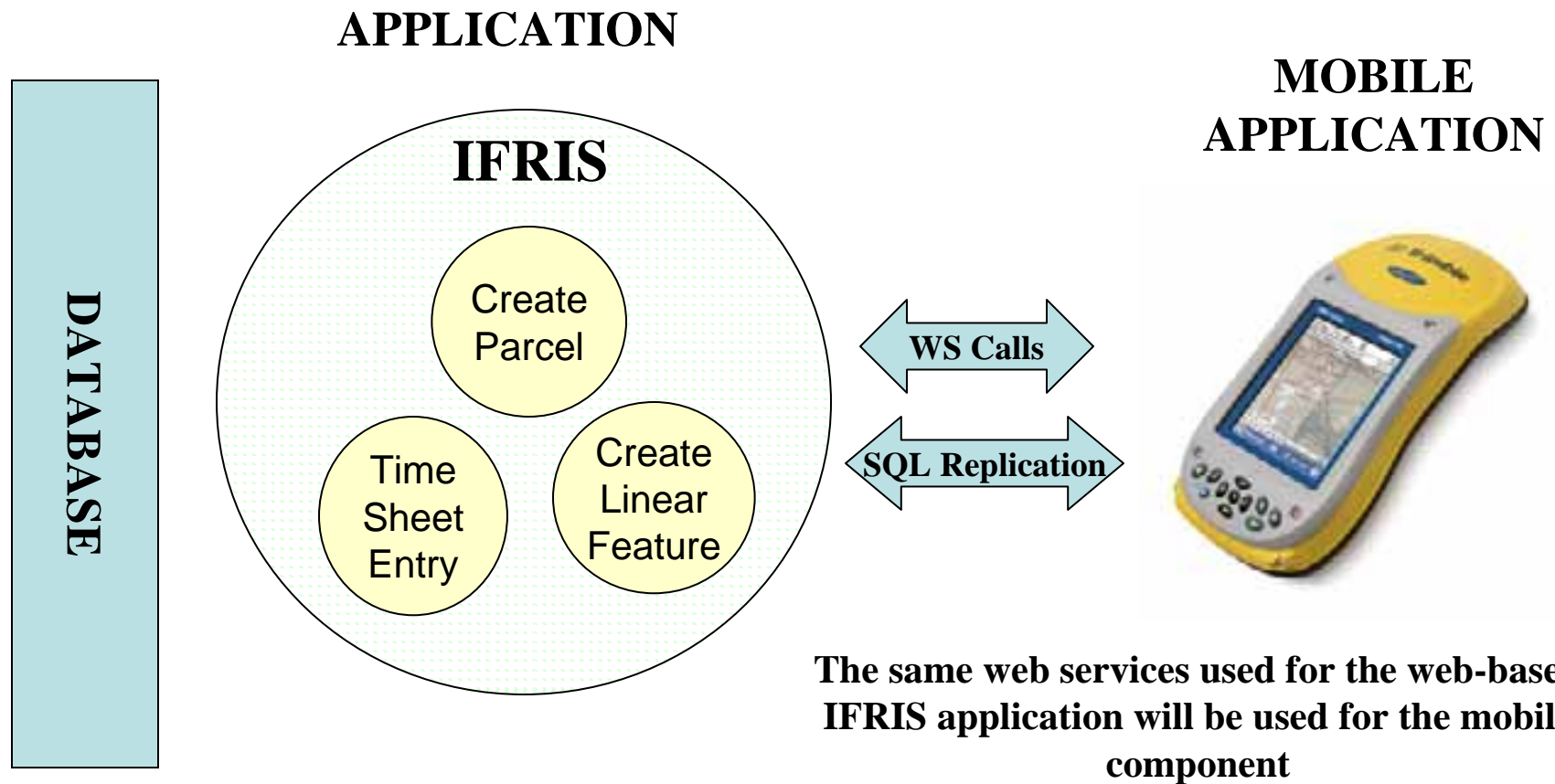
- ④ SOA (Service-Oriented Architecture)
- ④ Highly-available configuration
- ④ ArcGIS Server, ArcIMS, ArcSDE / Database Cluster
- ④ Enterprise Geodatabase Editing Over the Web



Architected Using .NET Web Services



Going Mobile



The same web services used for the web-based IFRIS application will be used for the mobile component

ROI goes way up

Mobile IFRIS Requirements

- ④ Seamlessly synchronize geospatial data collected in the field with enterprise ArcSDE
- ④ Enable field employees to submit time / leave / accomplishments
- ④ Collect GPS data for forest health observations, wildfire incidents, water quality incidents, woodland home community assessments, etc.

Going Mobile – ArcGIS Mobile



Mobile IFRIS Solution Architecture

- ④ ArcGIS Mobile 9.2
 - ④ Direct updates to ArcSDE (no post-processing like ArcPad)
 - ④ Full GDB support of domains / subtypes
 - ④ Connected (real-time) or disconnected updates
 - ④ Consume maps published by ArcGIS Desktop / Server
 - ④ Deploy to smartphones, Pocket PCs, Tablet PCs
- ④ Windows Mobile 5 enabled Trimble GeoXMs
- ④ .NET Compact Framework 2.0
- ④ SQL Server Compact / SQL Server 2005 Replication

DEMOS...

- Web IFRIS
- Mobile IFRIS



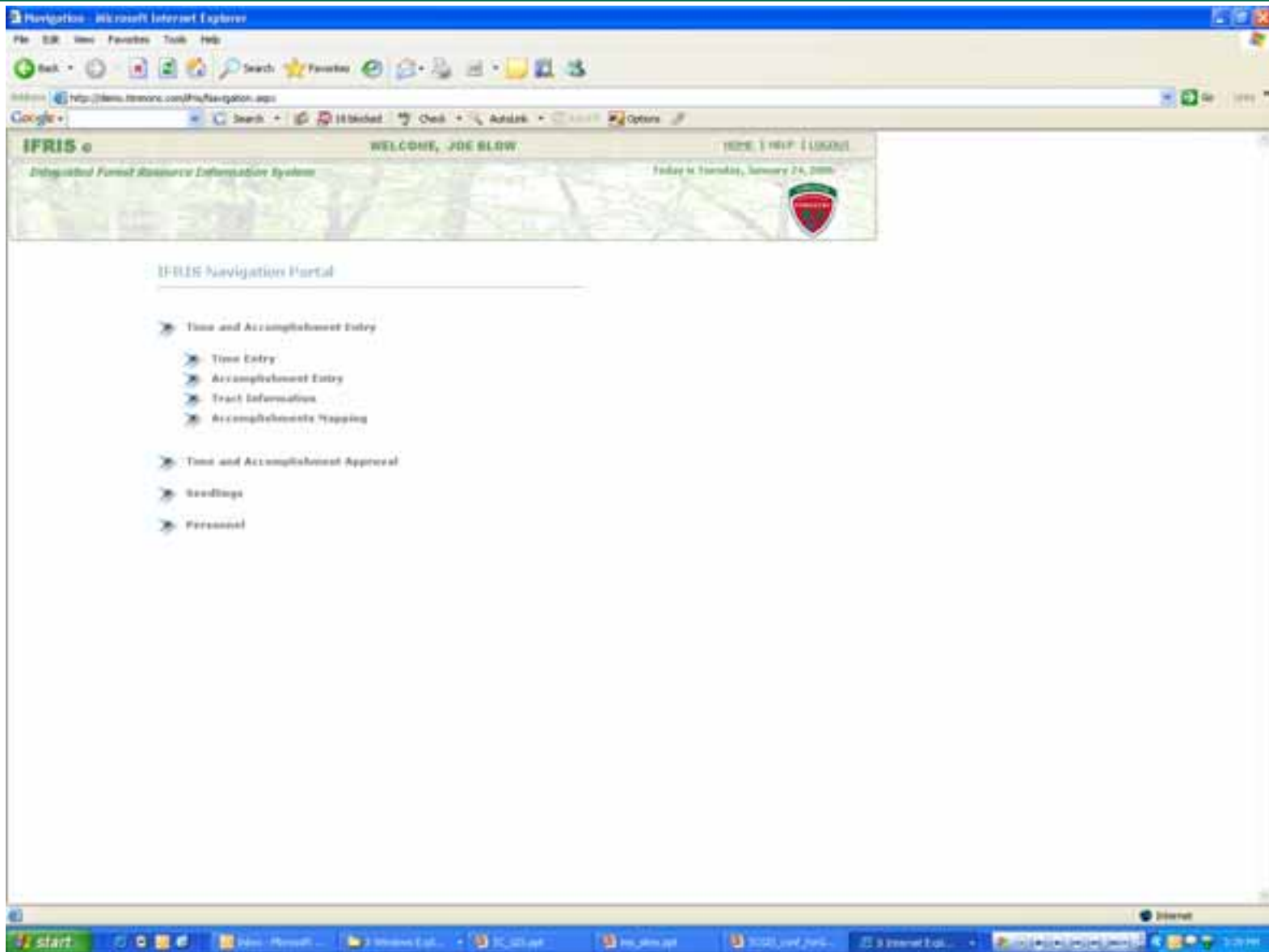
QUESTIONS

Thank you for your time!



Chris Gerecke (chris.gerecke@timmons.com)

Forestry – Workflows



Forestry – Workflows

Time / Leave Entry - Microsoft Internet Explorer provided by TIMMONS GROUP

Address: http://demo.timmons.com/IFRIS/leaveentry.aspx?index=0&index=0

Google Search

IFRIS WELCOME, HINDIA BROWN (HOME | LOGOUT)

Integrated Forest Resource Information System

Today is Friday, April 23, 2006

Time/Leave - Accomplishments - Track Information - Mapping - Approval - IFRIS Report

WEEK ENDING: 4/21/2006 STATUS: WORKING Withdraw Save

Click the calendar icon to change

WORK WEEK SUMMARY		Total Hours Reported	16	Total Leave Hours Earned *	16	Total OT Pay Hours Earned	0
Regular Hours	6	Comp Leave Hours Earned	16				
Extra (Compensable) Hours	10	OT Leave Hours Earned	0				
Total Leave Hours	0						

* Except 8 OT Leave Only

Time and Leave Entry Form

ENTER NEW TIME OR LEAVE RECORD

Time Category	Time/Leave Code	Track Number	Sat	Sun	Mon	Tues	Wed	Thurs	Fri
Worked Time	0001 Regular Time								

Daily Totals: 0 0 0 0 0 0 0 0 0 0

EXISTING TIME AND LEAVE RECORDS

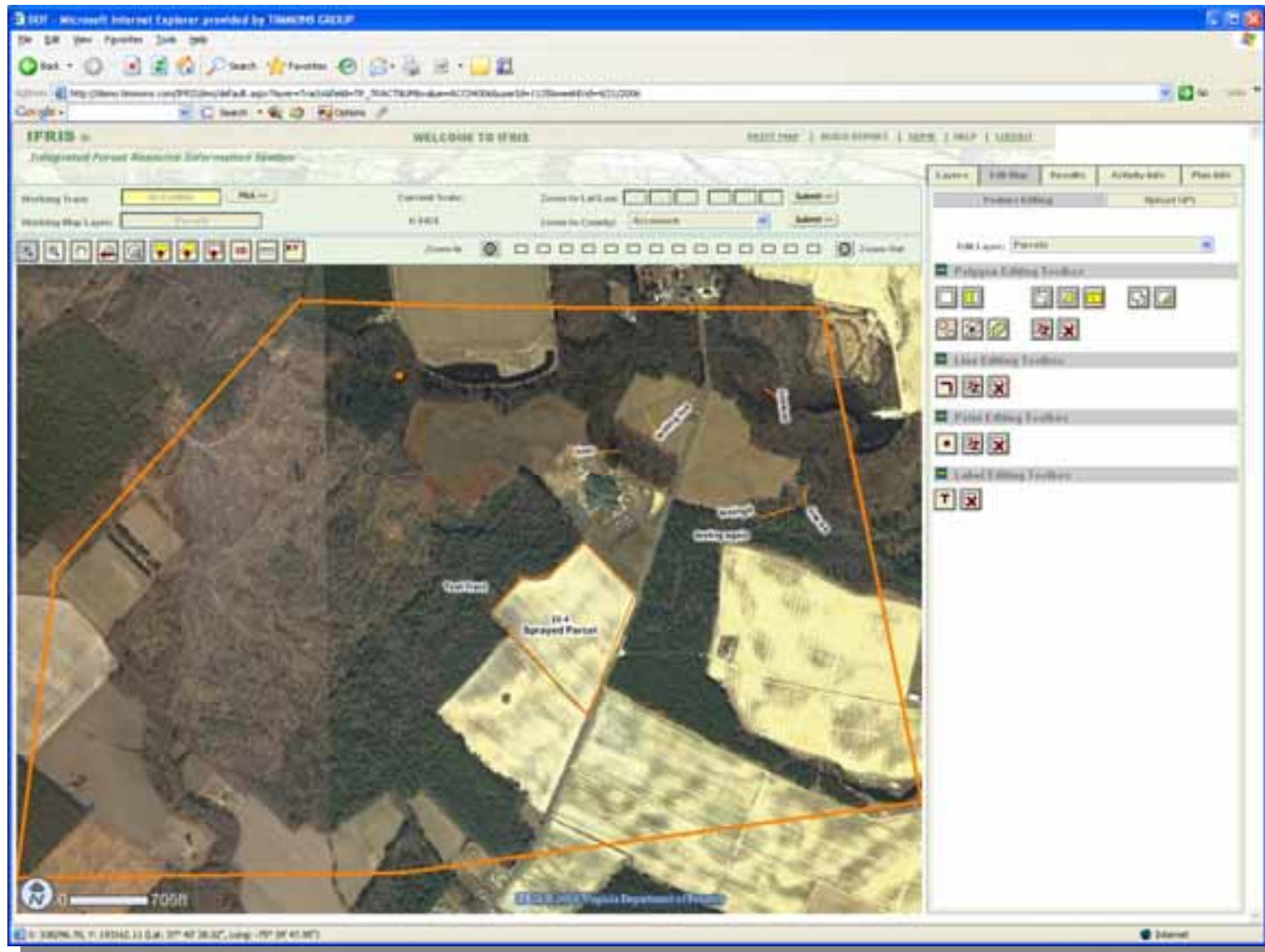
Time Category	Time/Leave Code	Track Number	Sat	Sun	Mon	Tues	Wed	Thurs	Fri
Extra Hours (Working)	0002 Working Overtime								

Remarks:

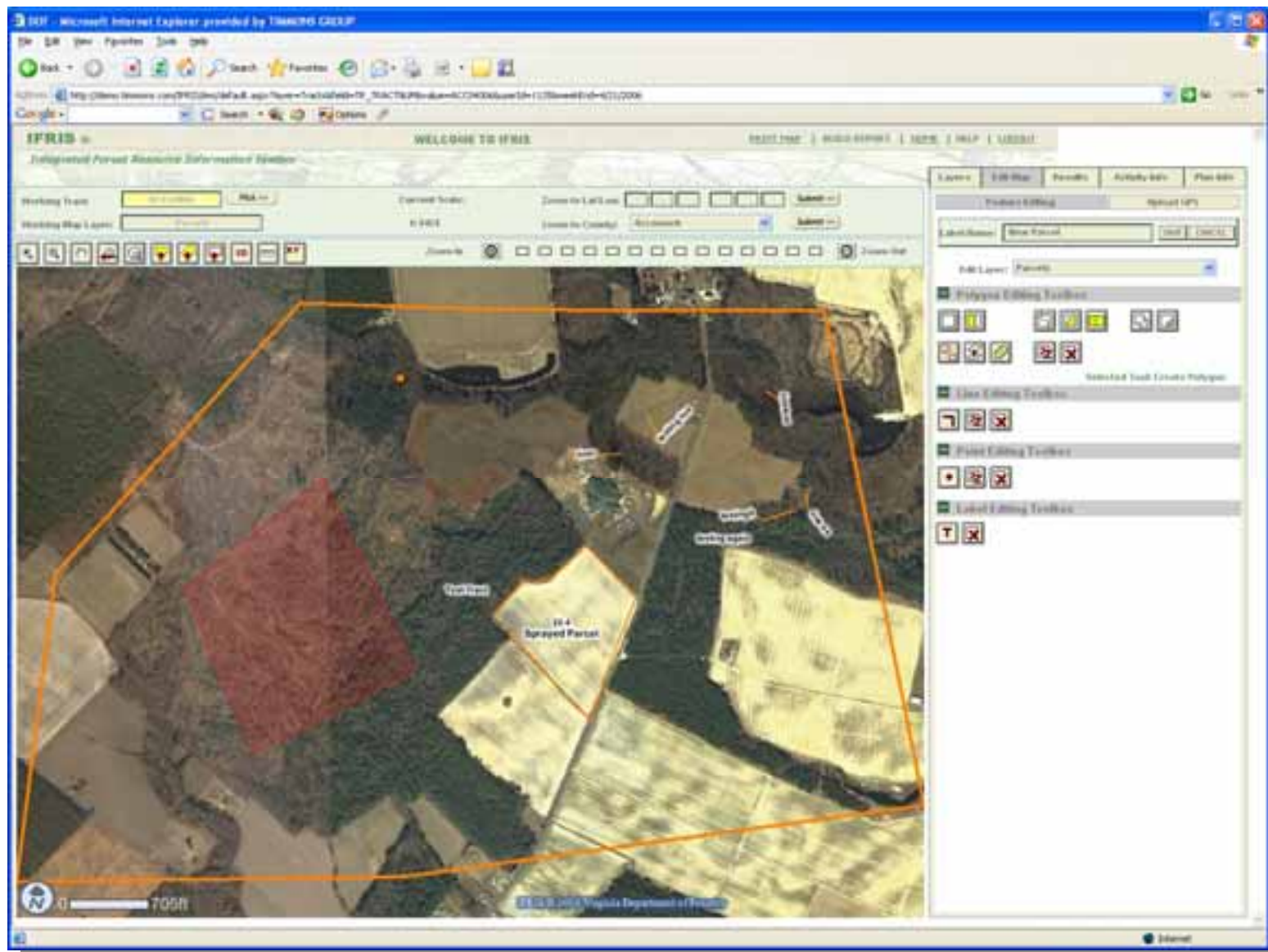
Calendar popup showing April 2006. Date Selected: 4/21/2006

Done Internet

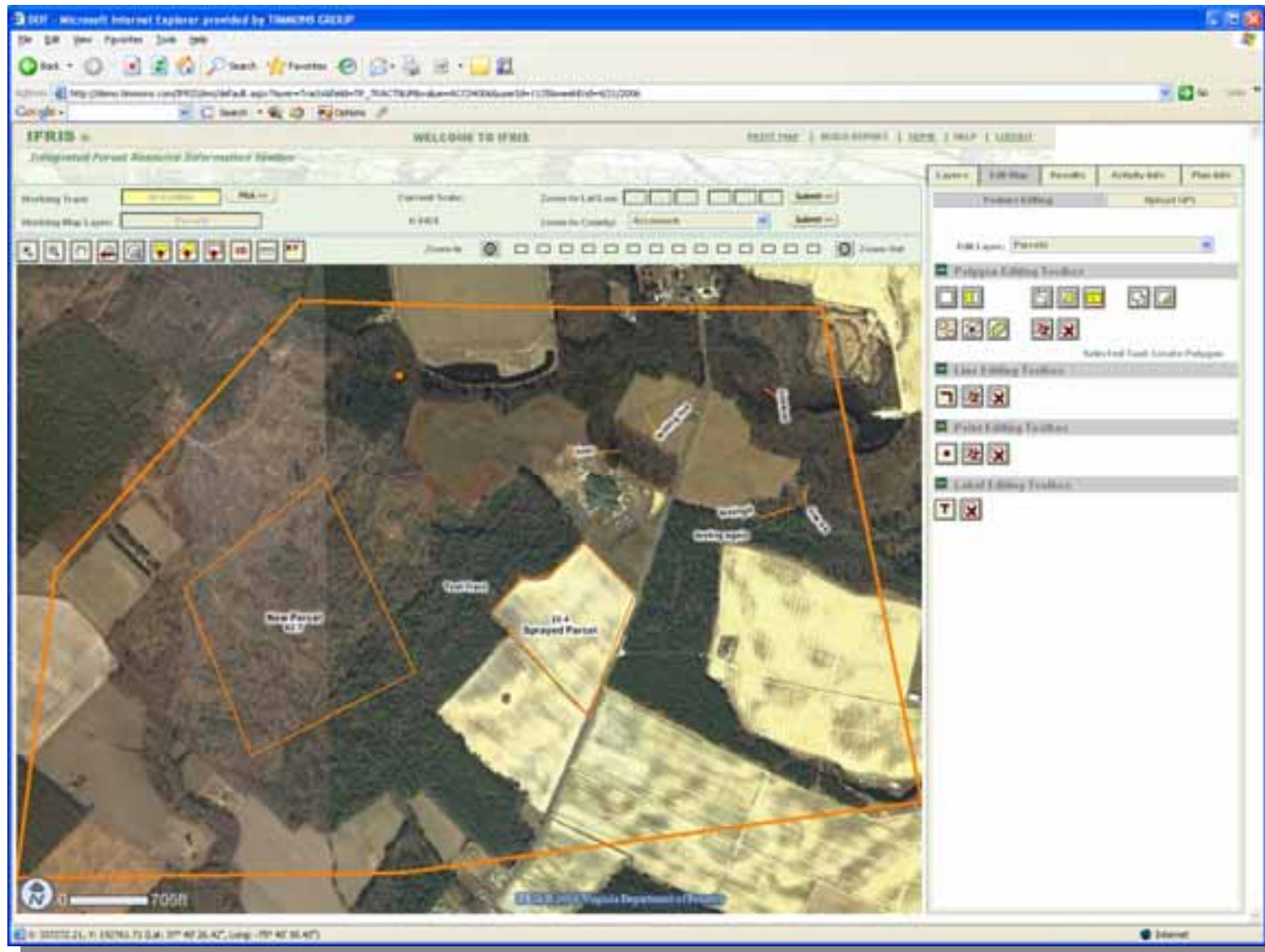
Forestry – Workflows



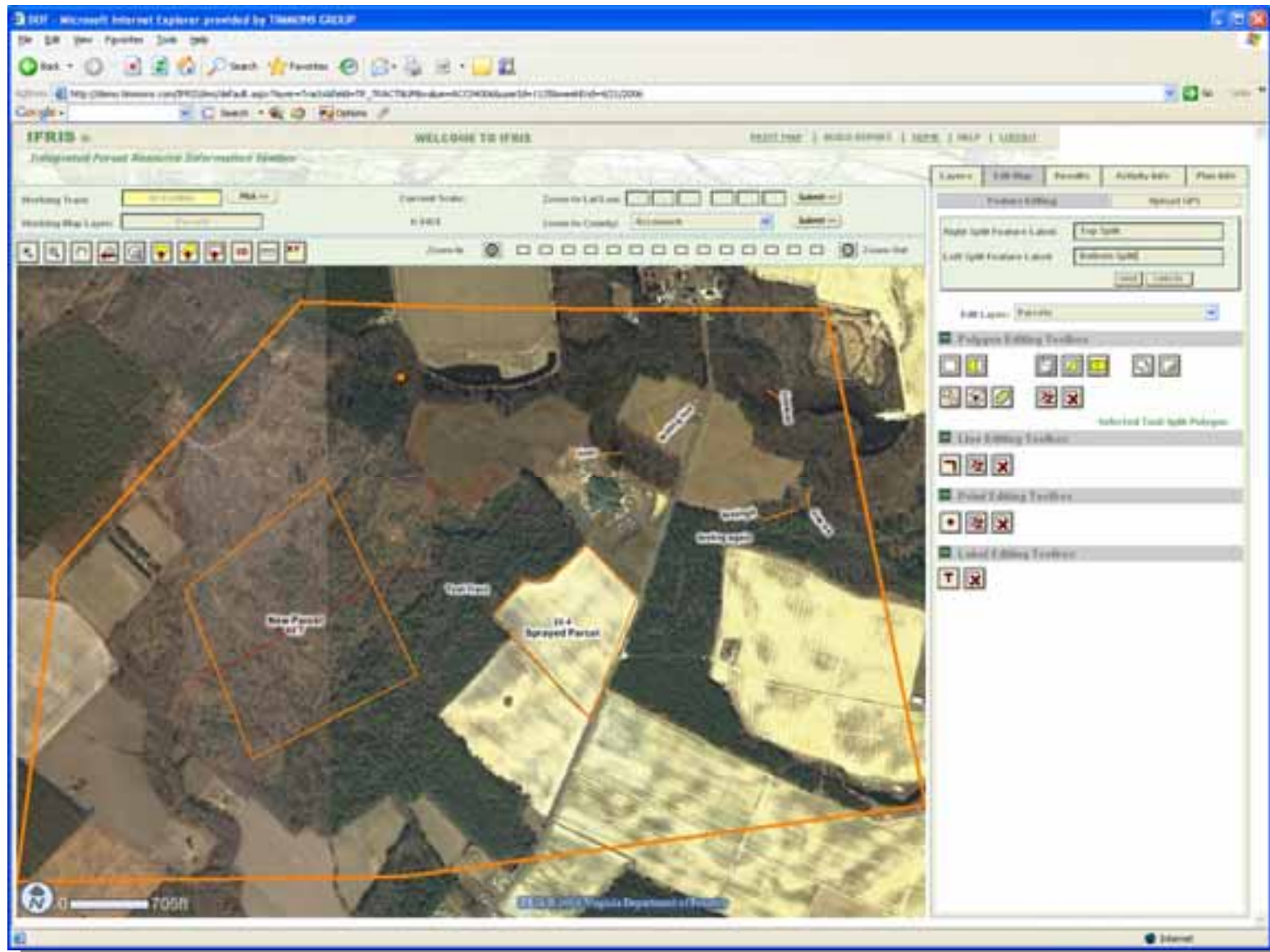
Forestry – Workflows



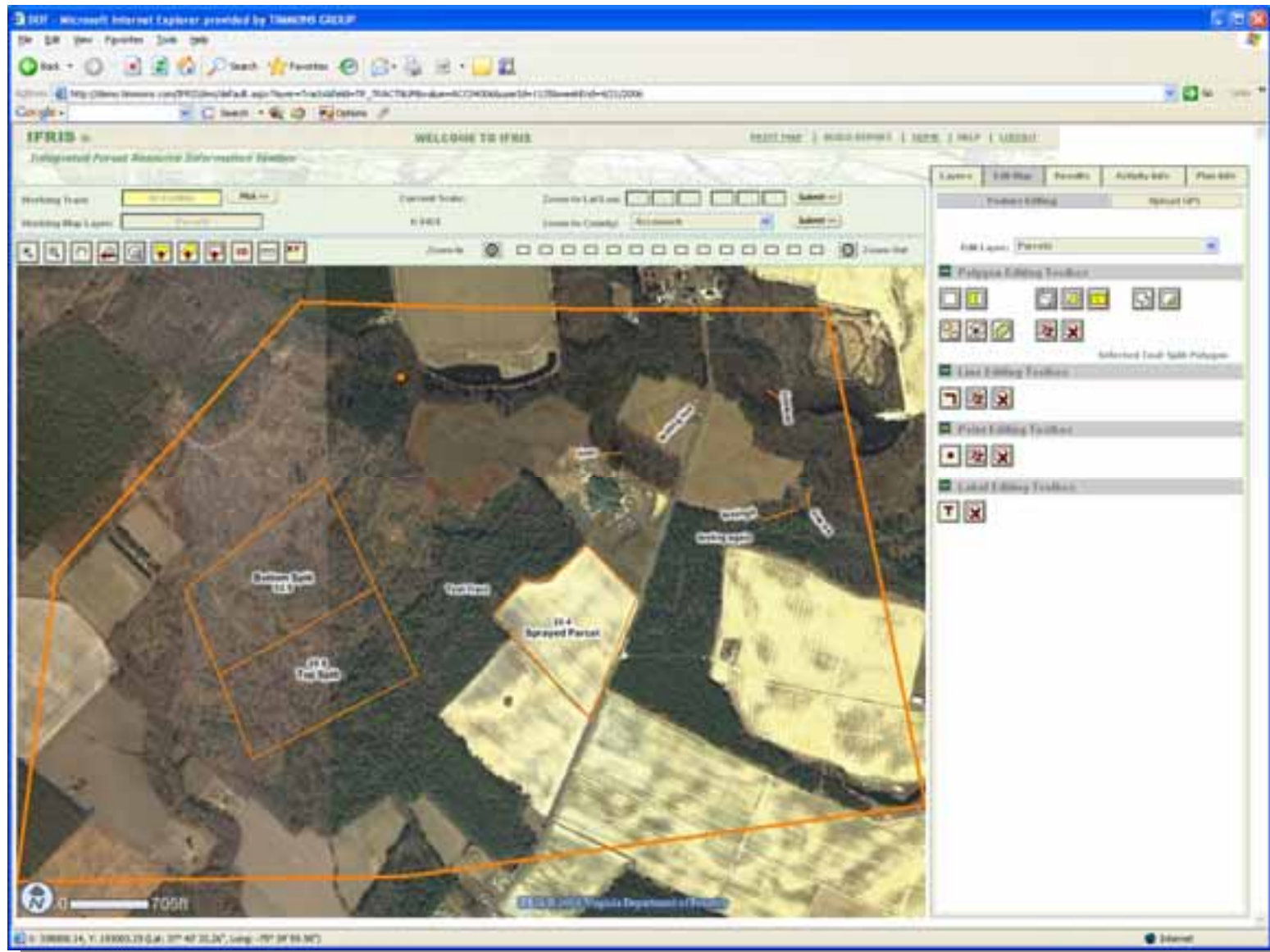
Forestry – Workflows



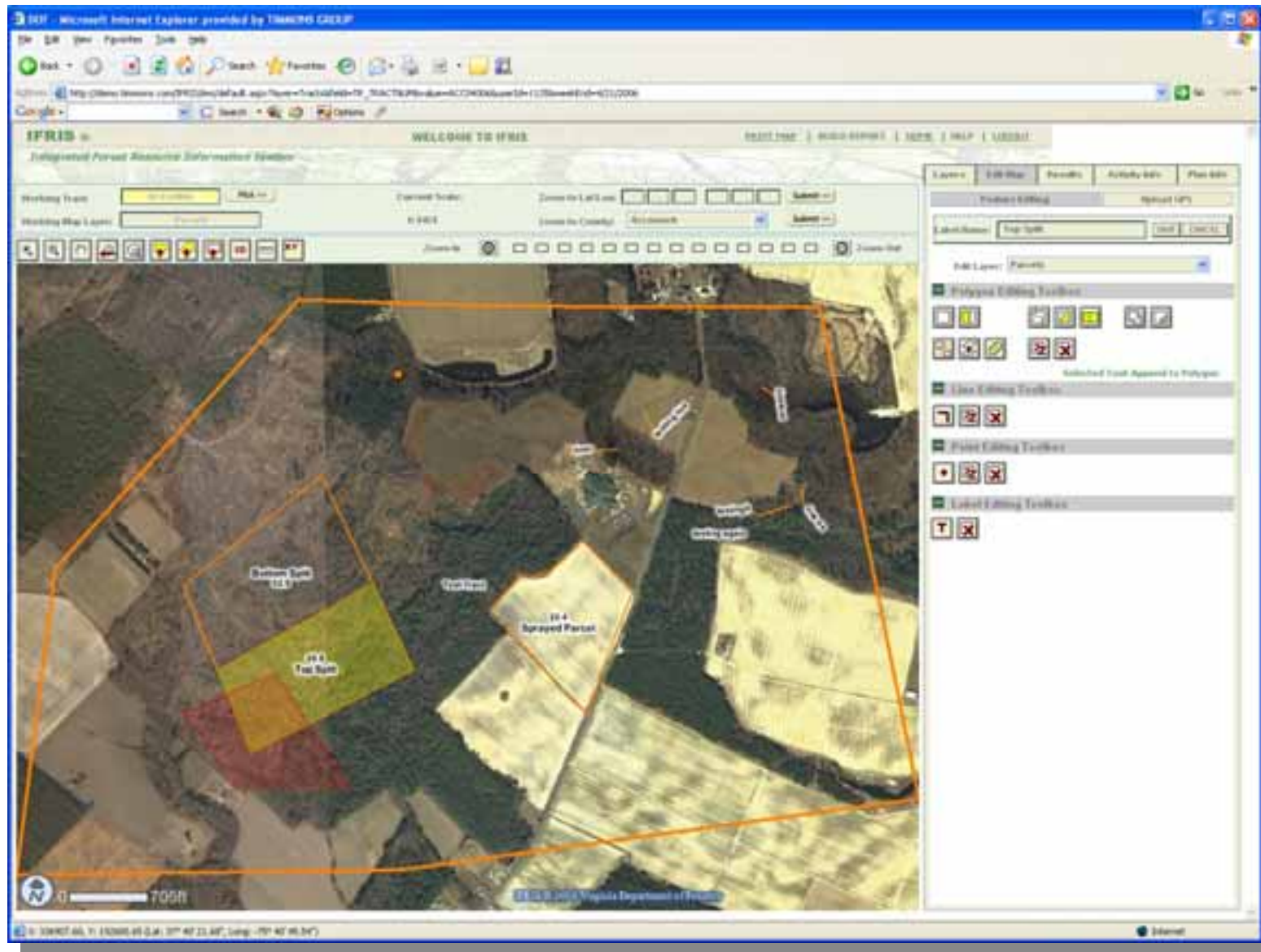
Forestry – Workflows



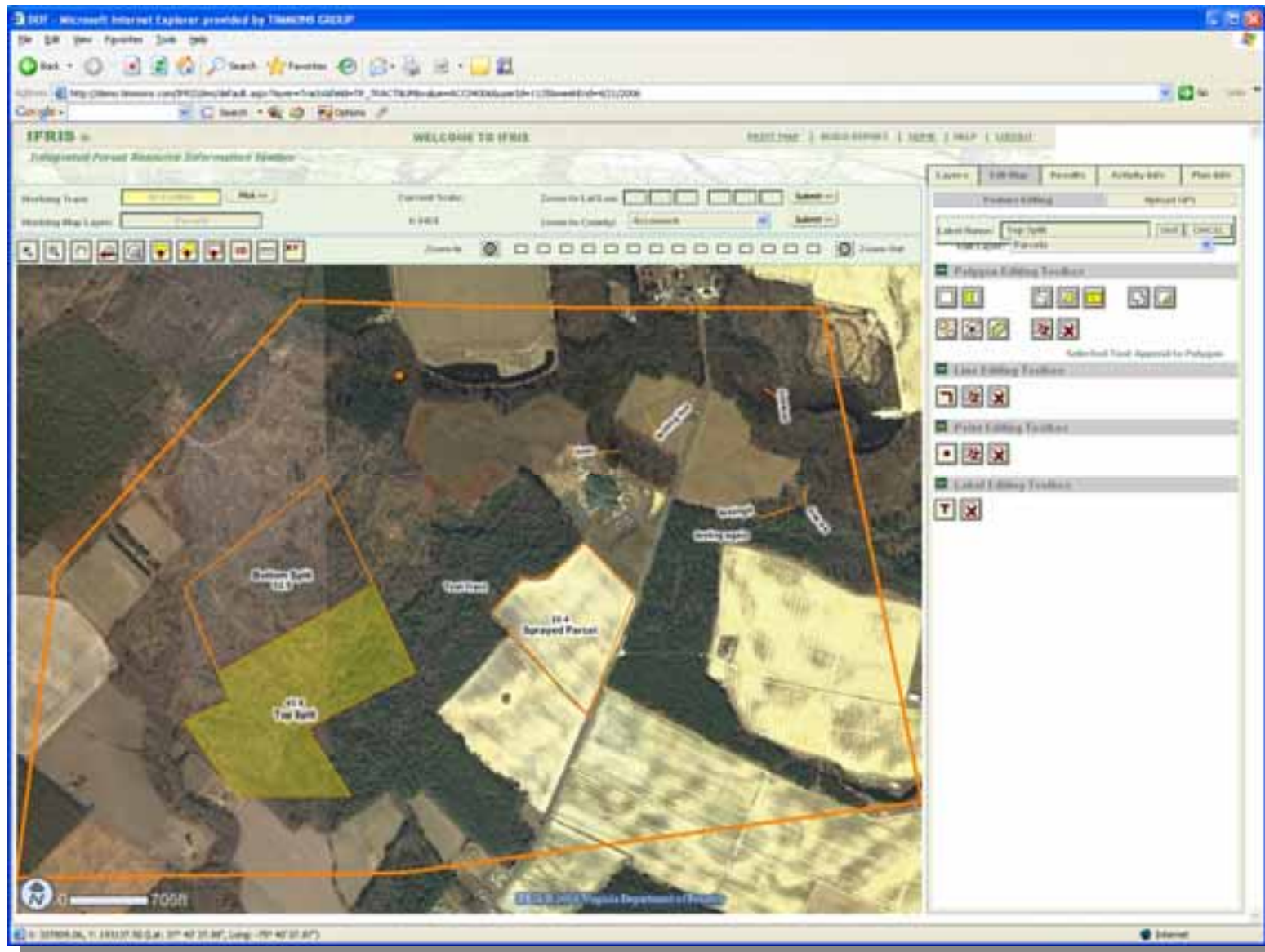
Forestry – Workflows



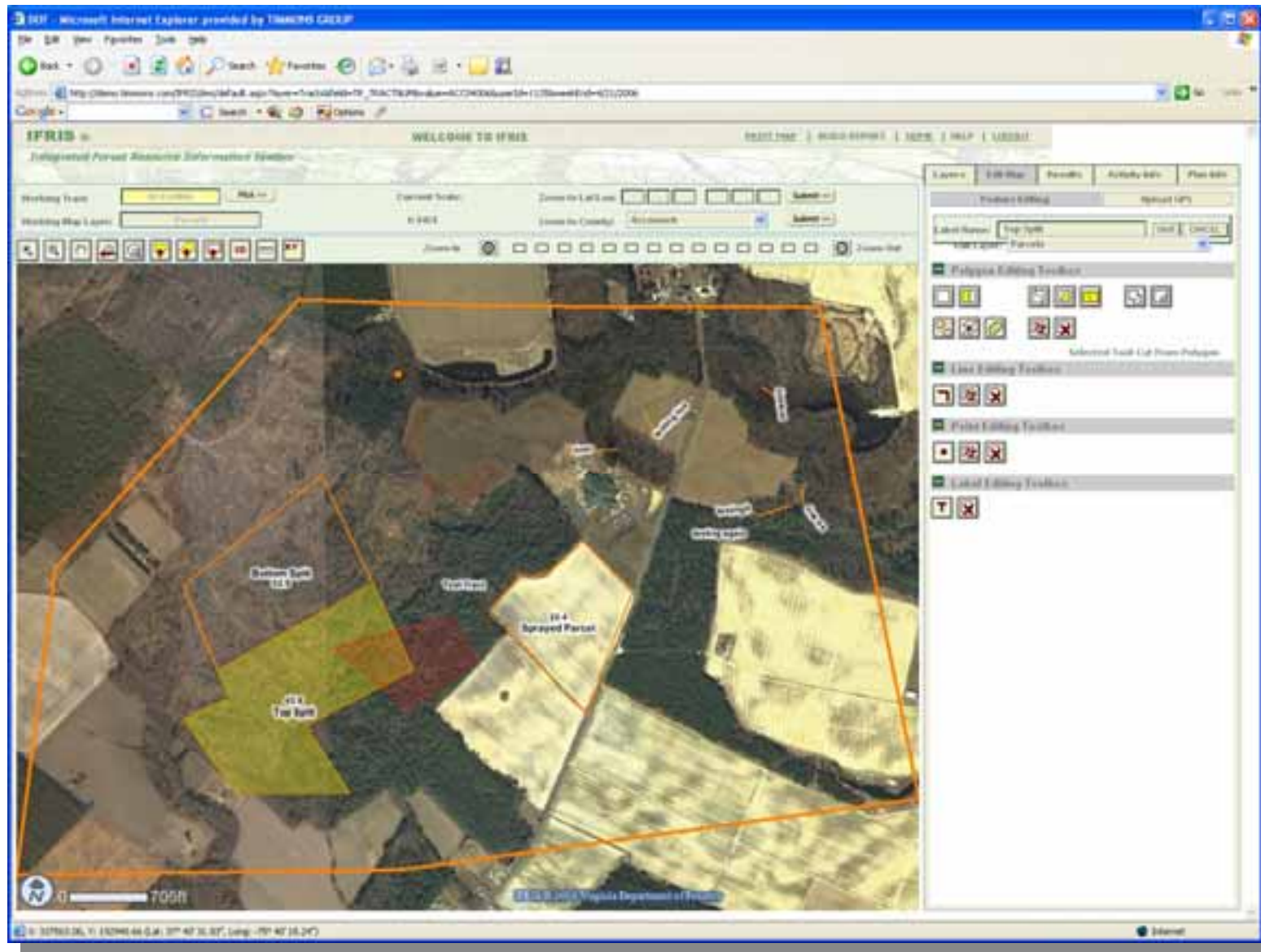
Forestry – Workflows



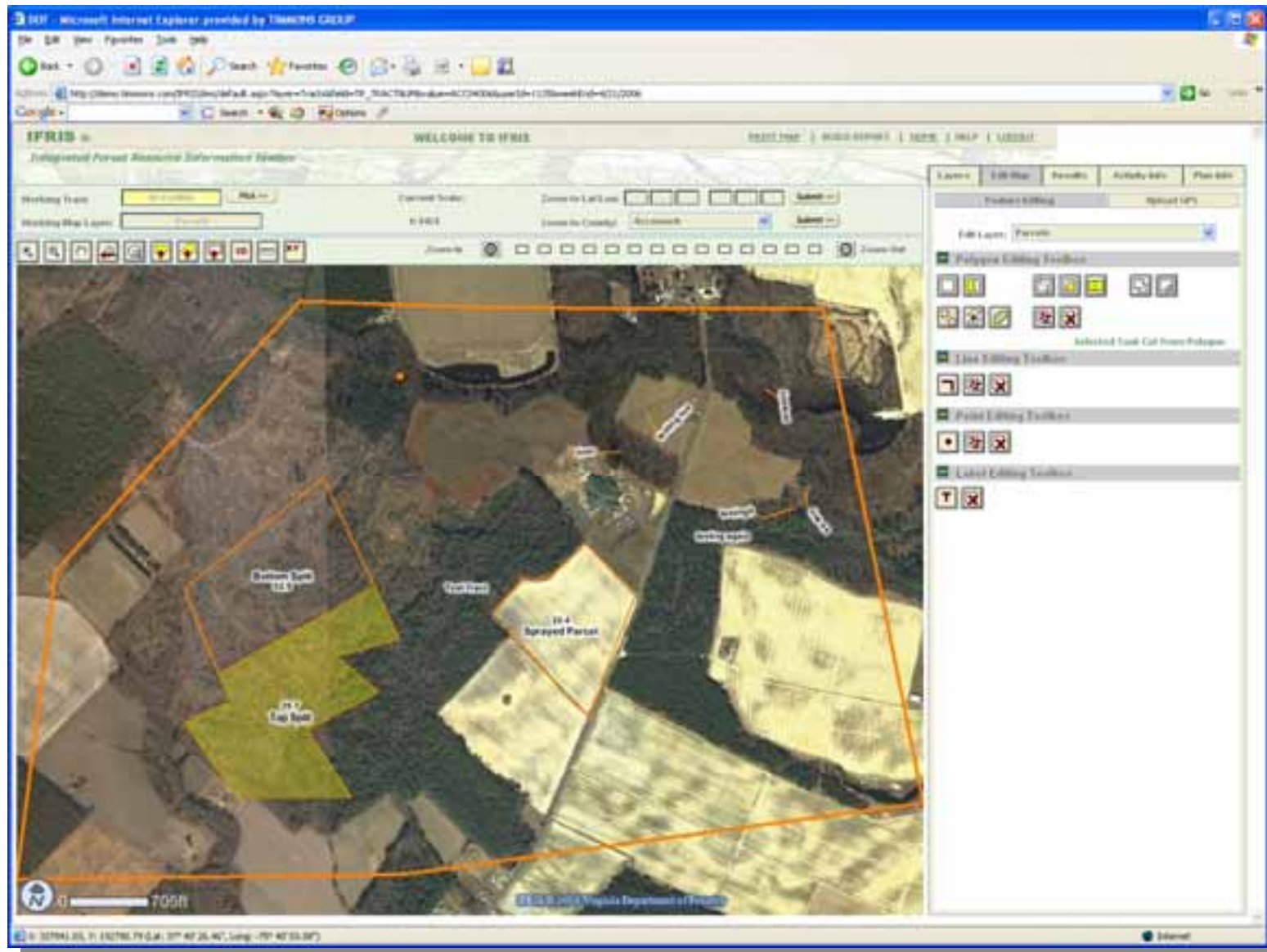
Forestry – Workflows



Forestry – Workflows



Forestry – Workflows



Forestry – Workflows

