



# NWFSC Pilot Oracle Collaboration Suite Introduction and Demo

## Washington State Sea Floor Mapping Workshop

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# Northwest Fisheries Science Center Scientific Data Management Vision

- Recognizes information as a resource critical to our success.
- Shares and manages information in ways that support the mission and business of the organization.
- Strives, as a commonly understood, accepted, and supported goal, to bring quality information, in the right form, to the right people at the right time to support sound and deliberate decisions and to generate ideas.



# Northwest Fisheries Science Center Scientific Data Management Principles

- The Scientific Data Management team will, for NWFSC scientists and external customers:
- Promote collaboration, communication, and coordination using e-Gov principles and enterprise-wide architecture framework to share and access internal and external information and data;
- Provide and maintain “corporate” data, metadata, and applications;
- Support analysis and project management services, and
- Respond in a timely and effective manner.



# Northwest Fisheries Science Center Scientific Data Management 6 FTE's, 7 Contractors

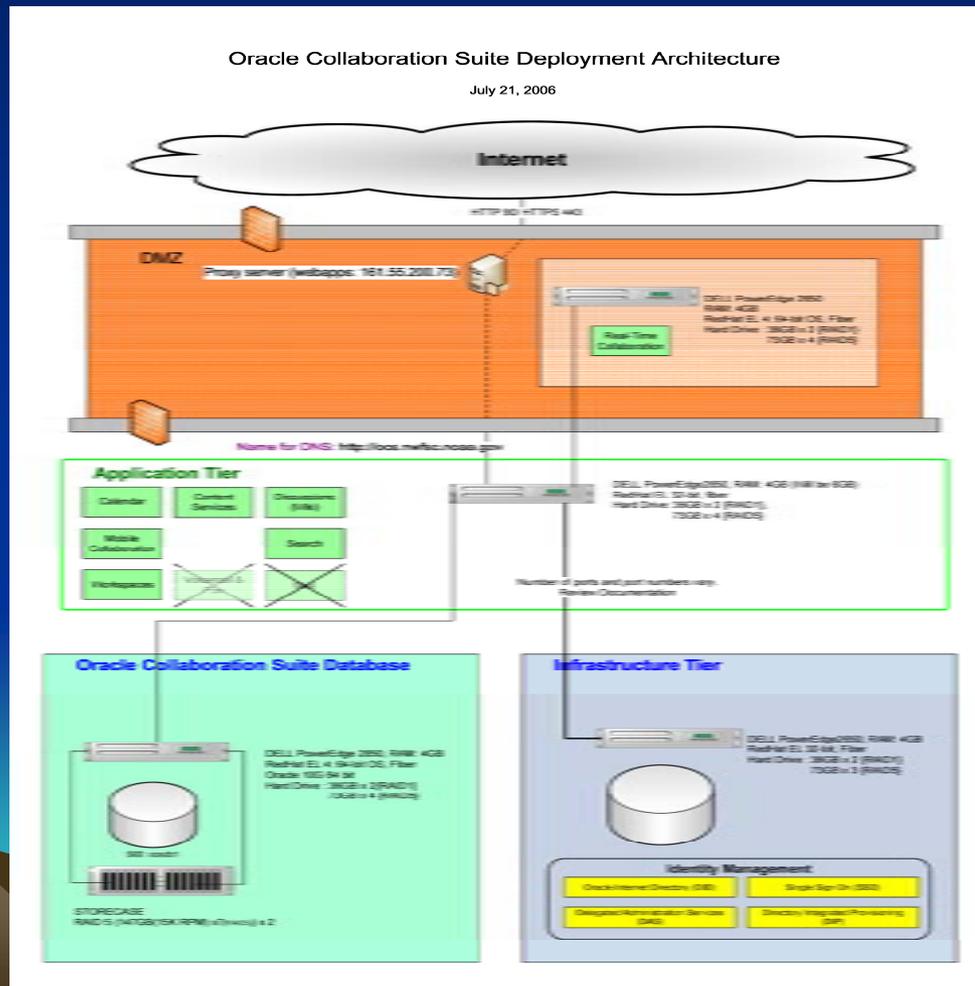


# Oracle 10g OCS Licensing

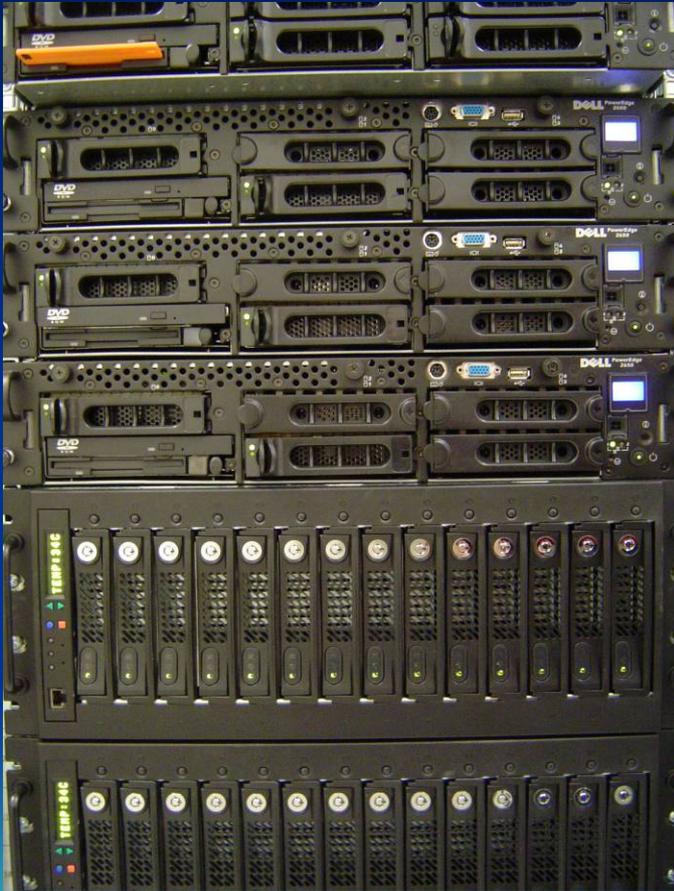
- NOAA has purchased 13,850 OCS named user licenses for Oracle Calendar and OCS for \$36/named user perpetual and \$9/yr maintenance via Census contract according to Don Holtzer, NOAA MOC
- NWFSC purchased 650 OCS licenses for external partners at \$55/named user perpetual and \$12/yr maintenance via Smart Buy
- NWFSC Portal and Java customization - Need additional Oracle AS license per processor - \$12.5K Std to \$20K Enterprise thru NMFS

# NWFSC OCS Architecture

Oracle OCS is capable of scaling up and out to the level of the Enterprise!



# Northwest Fisheries Science Center Scientific Data Management Hardware Infrastructure



# Northwest Fisheries Science Center Scientific Data Management Software Infrastructure

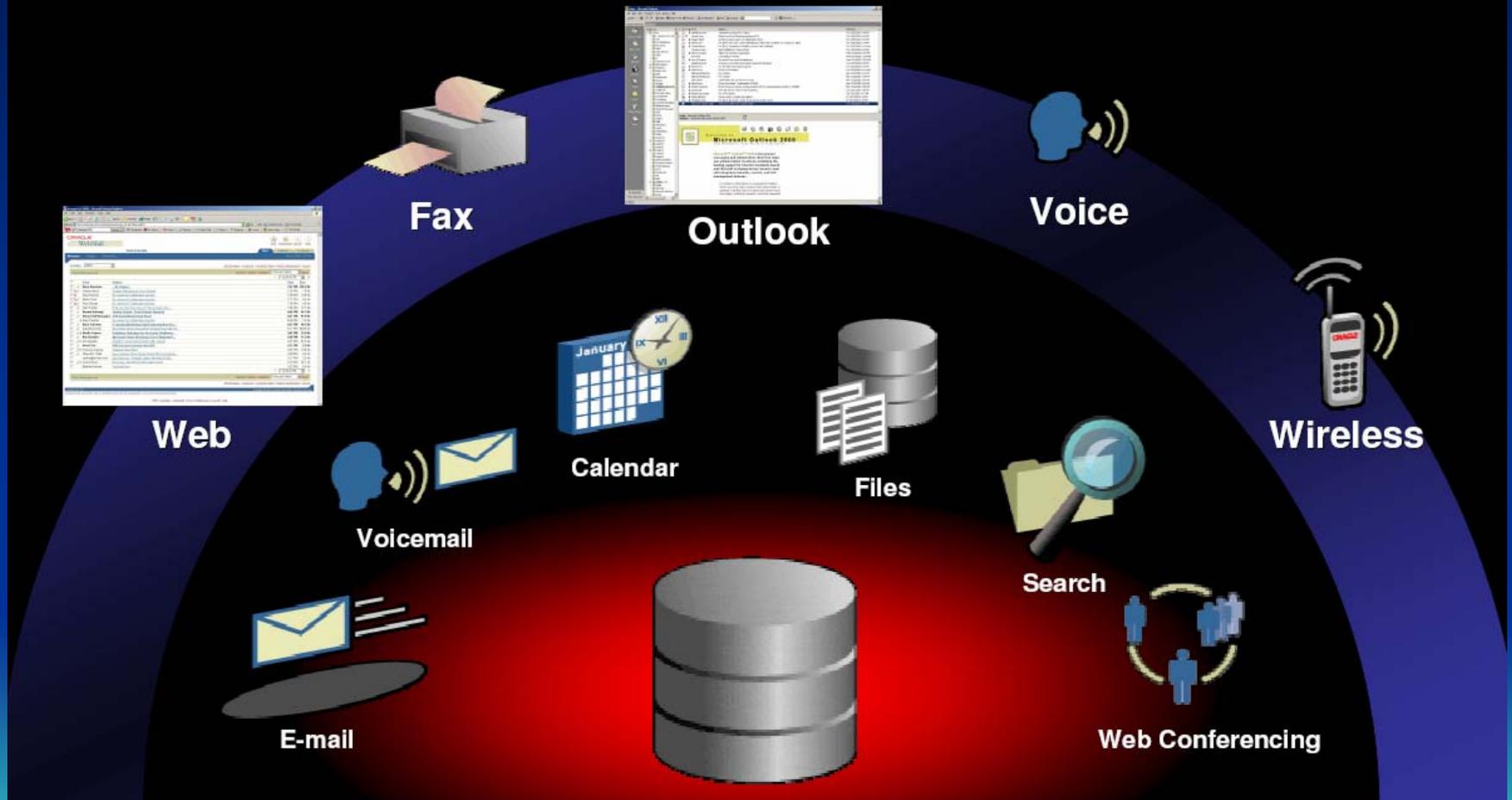


# Oracle Collaboration Suite is a collection of well integrated standards based application for

- Enterprise level unified Real time communication
- Highly available secure collaboration
- Reliable Content Management
- Search
- Enable the “virtual office” 24 by 7 via the WWW



# Oracle Collaboration Suite



# It includes

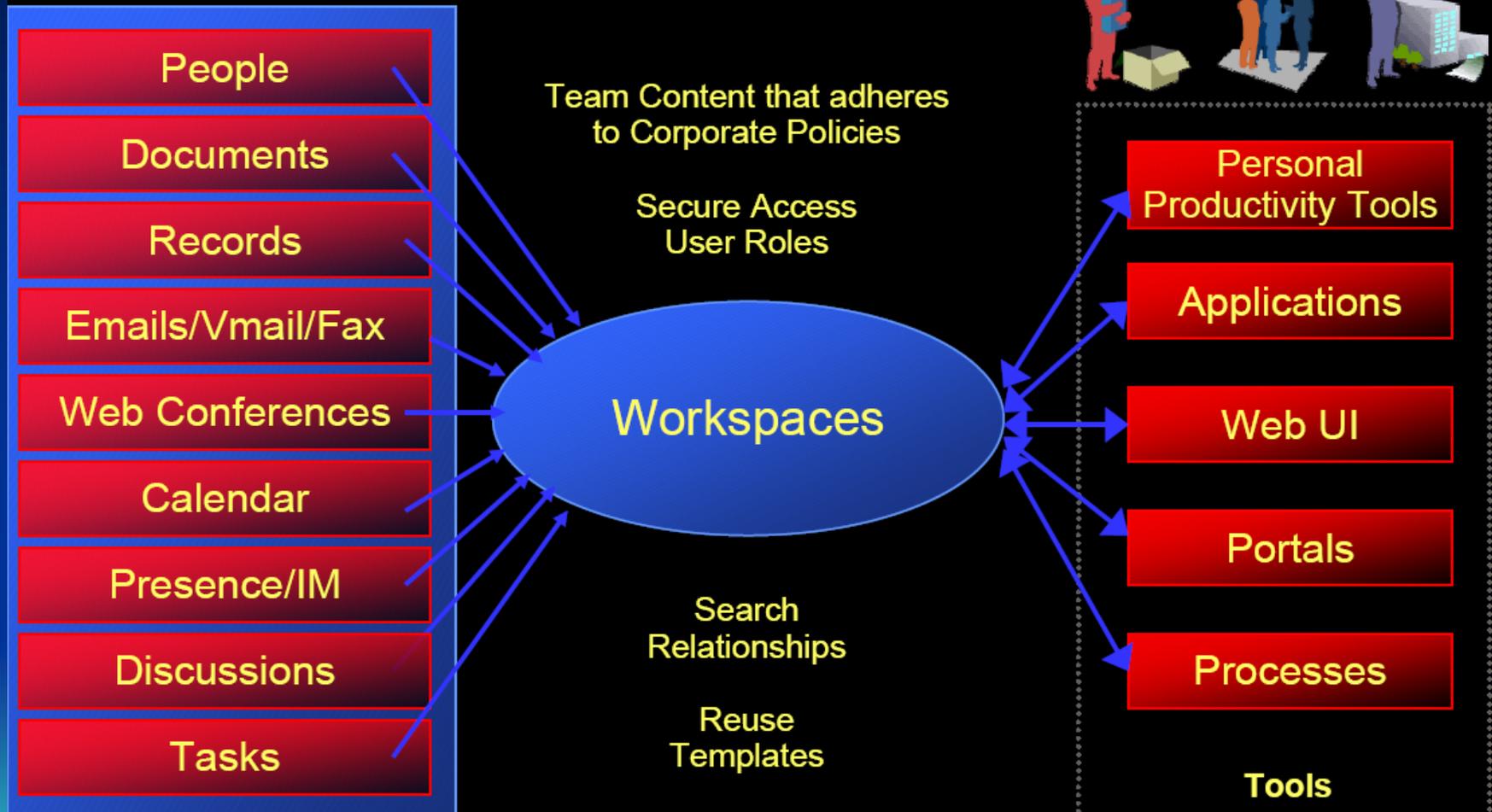
- Email (replaced with [mercury.akctr.noaa.gov](mailto:mercury.akctr.noaa.gov))
- Discussion (will be replaced)
- Calendar and Tasks
- Web Conferencing and Instant Messaging
- Content Management
- Workspaces with versioning
- Content and federated search
- Voice Mail & Fax (not enabled)
- Mobile Collaboration (not enabled)

# Oracle Workspaces

- Oracle Workspaces Addresses Major Challenges Facing Enterprise Team Collaboration
  - Single Repository for Collaborative Artifacts
  - Enterprise Scale Deployment Capabilities
  - Reduces Information Fragmentation
- Oracle Workspaces Offers a Robust Team Collaboration Offering
  - Delivering Team Collaboration in Personal Tools
  - Offering a Disconnected Solution
  - Includes versioning, check in/check out, access control



# Information... when and where users require it



# Oracle Workspaces - WebUI

You are logged in as: tim.itguy. Your role is 'Writer'.

T-Vox and LinkNow  
Integrated Project

Search

All

Go

Overview

- Library
- Meetings
- Tasks
- Announcements
- Discussions

- Inbox
- Views

Members

- Brenda ProjectMgr
- Anne Hamilton
- Tim ITGuy
- kevin ma

My Workspaces > T-Vox and LinkNow Integrated Project >

## Overview

Developing the new HearNow software. Collaborating with T-Vox and LinkNow

Settings

### Library Activity

Name	Parent Folder	Last Modified	Last Modified By
<a href="#">HearNow Architecture.pdf</a>	Library/Technical Documents	Sep 11, 2005 2:09 PM	Tim ITGuy
<a href="#">project.hearnow.txt</a>	Library/Project Overview	Sep 11, 2005 12:19 AM	Brenda ProjectMgr

### Discussions Activity

Name	Forum	Last Modified	Last Modified By
<a href="#">Competitive Analysis</a>	Project goals and requirements	Sep 11, 2005 12:26 AM	Brenda ProjectMgr
<a href="#">Change to Project Plan</a>	Change management		

### Announcements

- Welcome T-Vox and LinkNow...
- HearNow Target Rollout...

### My Pending Tasks

- Sep 10, 2005, Brenda ProjectMgr Project Overview and...
- Oct 10, 2005, Brenda ProjectMgr Project Requirements

### My Upcoming Meetings

- Sep 16, 2005 2:00 PM, Conf Room 101

Share and discuss documents  
Schedule appointments  
Consolidate project related messaging  
Assign and track action items  
View presence & collaborate in real-time

# Scientific Data Management

## OCS 10g Components Deployed

### Phase I - 06

- NOAA Calendar Client, Outlook, and PDA v.9.04 - 05
- OCS Home Page running on Oracle Application Portal
- Oracle Calendar on the Web
- NOAA Calendar Client, Outlook, and PDA
- OCS Workspace
- Content Library (WebDAV - Web Distributed Authoring and Versioning)
- Oracle Drive via Windows Explorer
- Oracle Real Time Collaboration (RTC)
- Oracle “Instant” Messenger
- Search
- Single Sign On
- Oracle Internet Directory (OID or LDAP)
- Secured Socket Layer (SSL)
- Reverse Proxy Server
- Oracle for MS Office

# Scientific Data Management

## OCS 10g Components Not Deployed

### Phase II - 07

- Oracle Mail - Replaced with NOAA Netscape/Mozilla Thunderbird Mail Client
- Oracle Mobile Collaboration
- Oracle Voicemail and Fax
- Oracle Discussion\* tied to Mail, being rewritten in Java\* - March 07
- Oracle Enterprise Manager Grid Control\* - March 07
- Oracle RMAN for hot backups\* - March 07
- Oracle Calendar Client, Outlook, and PDA's\* - March 07
- Oracle RTC Microsoft Office Conversion Server\* - March 07
- Real Application Cluster - RAC for scalability and failover\* - May 07
- Oracle Search for HTML, file systems and dbms\* - May 07
- FTP to Content Services\* - May 07
- Note: \* items are being implemented in Development environment or next phase in 07

# SDM Applications Menu

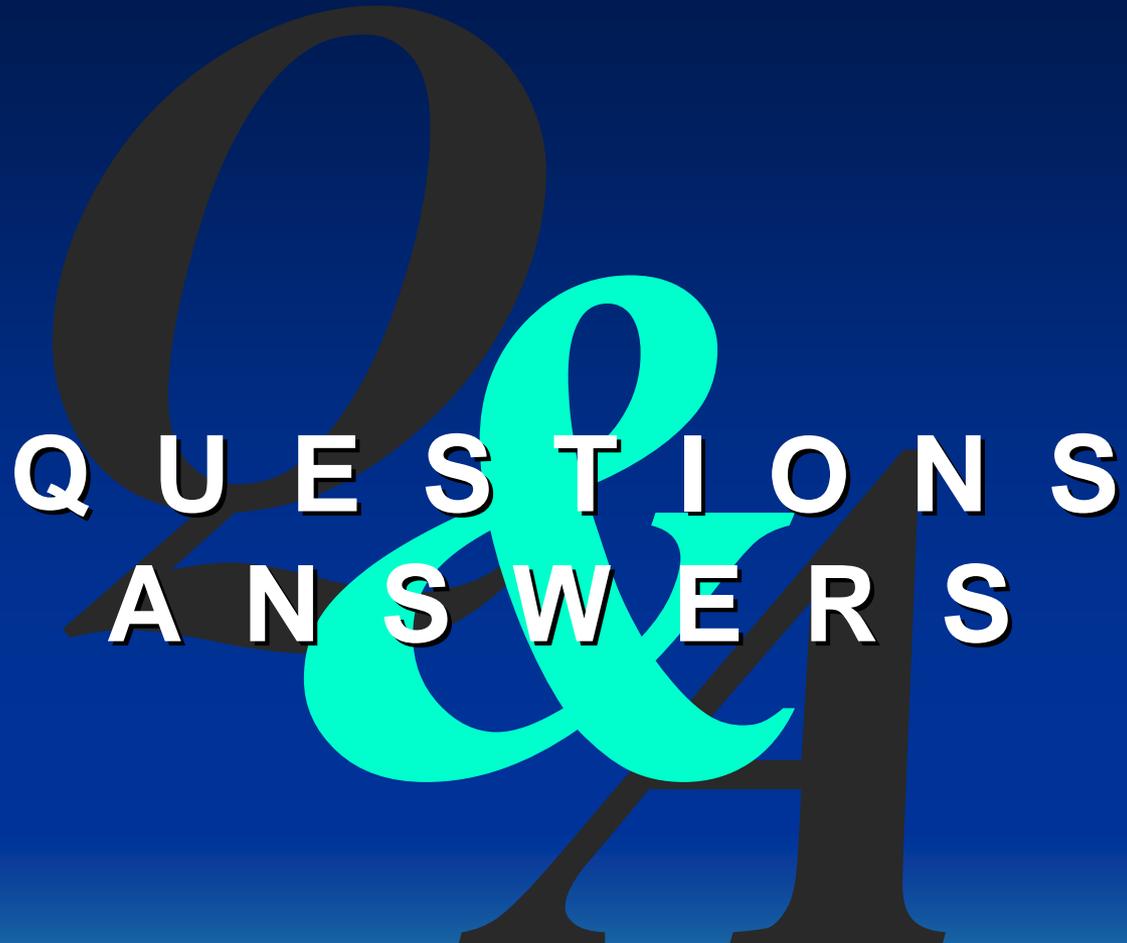
## OCS Demo

<http://webapps.nwfsc.noaa.gov>

The screenshot shows a Mozilla Firefox browser window displaying the NWFS Scientific Data Management website. The browser's address bar shows the URL <http://webapps.nwfsc.noaa.gov/>. The website features a navigation menu with categories: **Bio/Physical Data**, **Project Tracking Data**, **Collaboration, GIS & Tools**, and **Monitoring & Evaluation**. The **Bio/Physical Data** section includes links for: [NWFS Salmonid Database - Abundance](#), [NWFS Salmonid Database - Artificial Propagation](#), [Columbia Basin PTAGIS Bird Predation Database](#), [West Coast Salmon Genetic Database - Summer 2007](#), and [Physical Oceanographic Database - Summer 2007](#). The **Project Tracking Data** section includes [Pacific Coastal Salmon Recovery Fund](#) and [Pacific Northwest Salmon Habitat Project Tracking](#). The **Collaboration, GIS & Tools** section includes [NWFS Collaboration Suite](#), [SDM Collaboration](#), [GIS Services](#), [SDM Helodesk](#), and [Matlab/Star-P Simulation/Modeling - Fall 2006](#). The **Monitoring & Evaluation** section includes [NWFS Status and Effectiveness Monitoring Pilot](#) and [Columbia Basin Baseline Water Quality - Winter 2006](#). A footer note states: **\* Access from within NWFS** and **‡ Login Required**. The footer also includes contact information for the Northwest Fisheries Science Center: Technical Support: (206) 860-3433, [Privacy Policy](#), and [Disclaimer](#). The browser's status bar at the bottom shows "Done".

# NWFSC <https://ocs.nwfsc.noaa.gov> Oracle Real Time Collaboration Website

The screenshot shows the NWS Western Region Oracle Real Time Collaboration Website in a Windows Internet Explorer browser window. The browser title is "NWS Western Region root page - Windows Internet Explorer provided by Yahoo!". The address bar shows the URL <https://ocs.nwfsc.noaa.gov/portal/page/portal/NWS%20WR%20-%20-%20Western%20Region>. The page header includes the NOAA logo, "NOAA NATIONAL WEATHER SERVICE WESTERN REGION COLLABORATION PORTAL", and navigation links like "SDM HelpDesk", "My Groups", "My Profile", and "Logout". A search bar and "People Locator" are also present. Below the header is a navigation menu with tabs for Home, Projects, Plans, People, Discussions, News, Calendar, Documents, Tools, Data, Links, Topics, Help, and Site Index. The main content area is divided into several sections: "Links" (sdm.helpdesk, Calendar, Tasks, Workspaces, Content Services, Web Conferencing, Downloads), "My Group Portal Homepages" (NOAA Fisheries FIS OCS Evaluation, NWFSC ISEMP STM, NWFSC OMI SDM, NWFSC-NWR Salmon Recovery Plan, NWS WR - Western Region, NWS WR External Weather Briefings, NWS WR ITO Software and Project), "Calendar" (showing dates from Jan 21, 2007 to Jan 27, 2007, with a meeting on Thursday, January 25, 2007), and "Featured Links" (Western Region Headquarters, Western Region Intranet). The bottom of the browser window shows the Windows taskbar with the Start button and several open applications.



QUESTIONS  
ANSWERS