



DataPlus Mobile®

Field Forms Builder for Natural Resource Data Collection

Form Design to Dramtically Increase Productivity

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Electronic Data Solutions
Portland, OR









- Overview of DataPlus Pro & Mobile
- New Features
- Case Studies
 - Forestry
 - Wildlife
 - Fisheries
- Services & Support



Data Sheet 1(Stand / Plot / Tree)												
Date				Time				Region				
Fores	t			Stand				Acres				
Cruise	er											
1	Plot Data	1		5.0	Tree Da	ata		Tree Damage				
Plot Num	Plot Type	Plot Size	Tree Num	Spec	Total Height	Merch Height	DBH	N D	S E V	P O S	C A T	C S E
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Comments												



Electronic Data Solutions®







elecdata

Components of DataPlus®

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Electronic Data Solutions

- Application Generator for laptop/desktop PC
- DPCedit for writing custom routines (calulcatable fields, etc.)
- Host Communication software
- Data File Editor
 - Microsoft Access MDB Converter
 - DBF Conversion
 - ASCII Conversion
 - Shapefile Conversion
 - Mapped Export to ODBC
- MS Windows Mobile Handheld or Win 7,8,10 License
- Technical Support



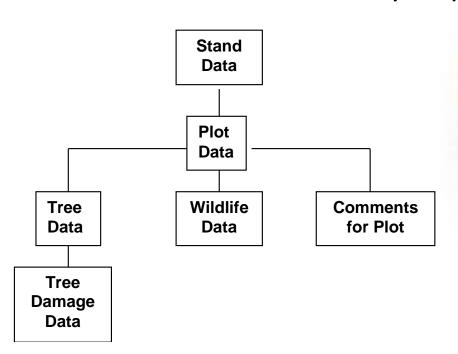


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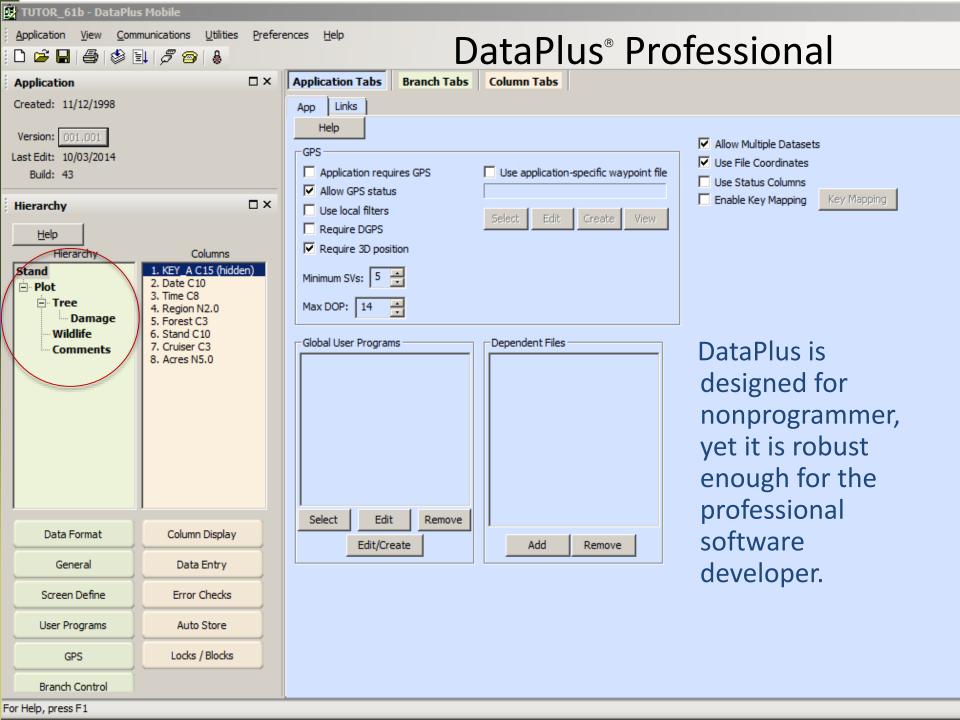


Levels & Braches

- DataPlus Mobile allows up to 5 file levels.
- Each file can have up to 26 child branches.
- Each file can have up to 250 columns each with a maximum of 2500 total bytes per line.









Customize and Streamline

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Device with Keyboard, with TouchScreen, External Device Input:

- GPS receivers
- Laser rangefinders
- Electronic scales
- Bar code scanners
- Digital Calipers
- Bluetooth/802.11b wireless eliminates cables
- Water quality multi-parameter sensors





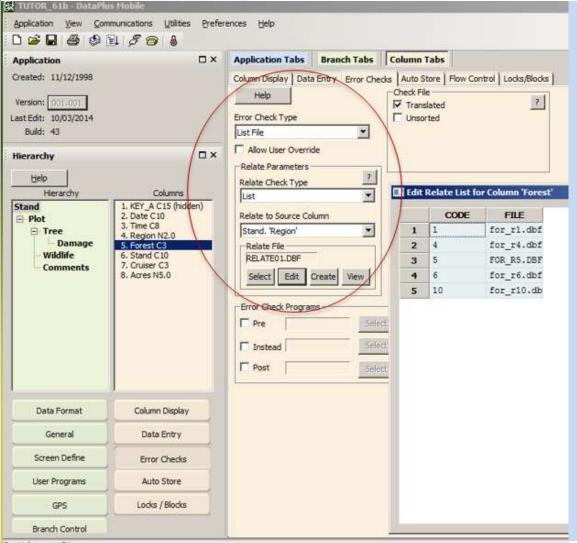




Features To Customize Your Applications



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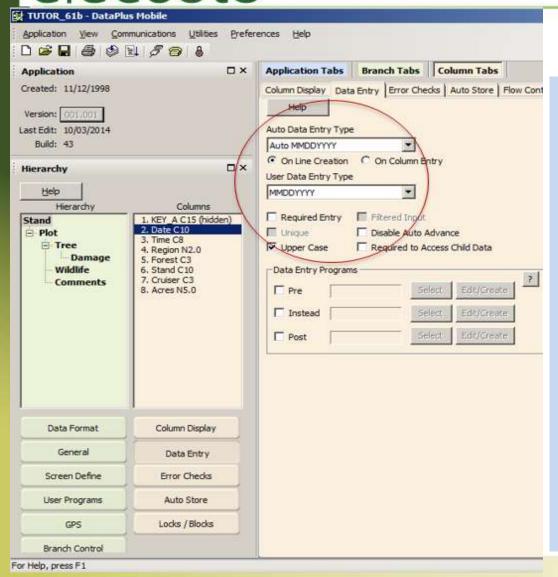


Data Error Checking In The Field

- Minimum/maximum range checks
- List file (menu)
- Error checks related to data in other columns (relevance)
- User error check programs
- Missing data checks (required field)

Features To Accelerate Productivity

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Automated Data Entry Functions

- Copy data forward
- Increment value from the cell above
- Read date & time from internal time clock
- Preload constant data
- Random number generator



Features To Accelerate Productivity

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Customization of Screens

- Choice of line display, linealign display or virtual display
- Double lined prompts
- Show column on subsequent screens
- View-only or hide columns
- Custom help messages for each column
- Easily format data for different hand helds





Line

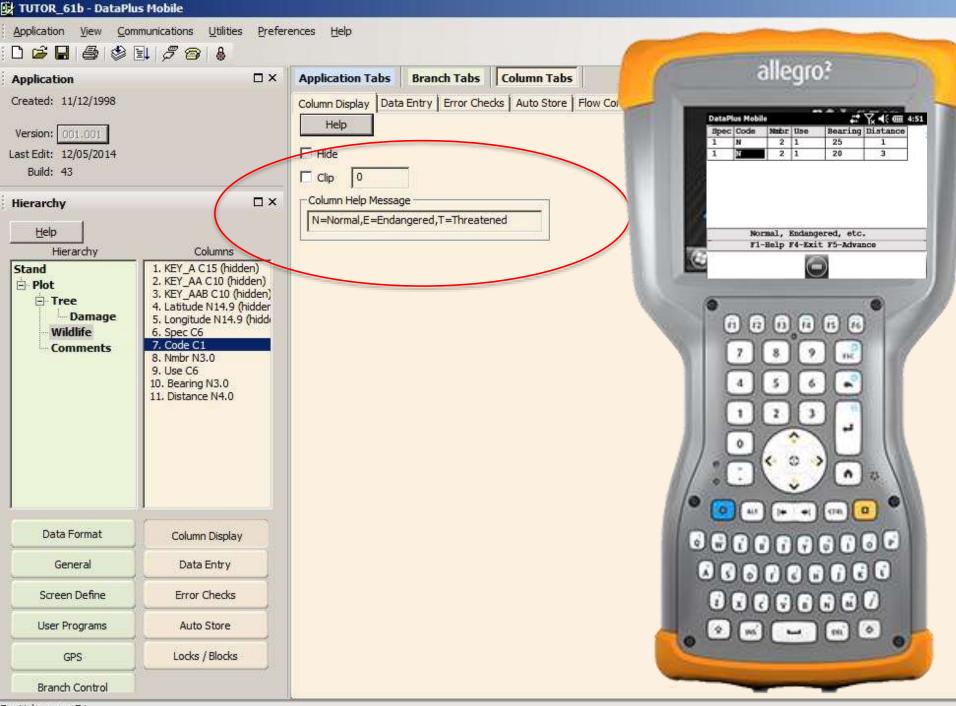


Line Align



Virtual





For Help, press F1



Features To Accelerate Productivity

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Four levels of touch screen support

- Touch Screen ignored
- Touch Screen to move to other fields or to bring up data validation for cell
- Touch Screen available for DP Edit Actions
- Options 2 and 3 plus Touch
 Screen Buttons for all Function keys





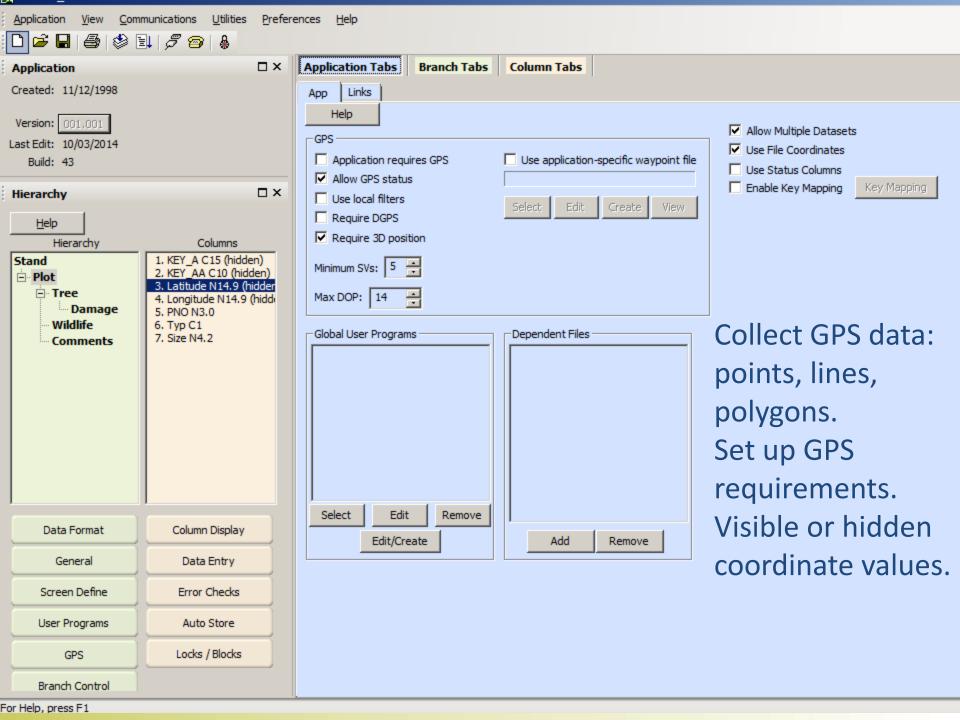
Features To Accelerate Productivity

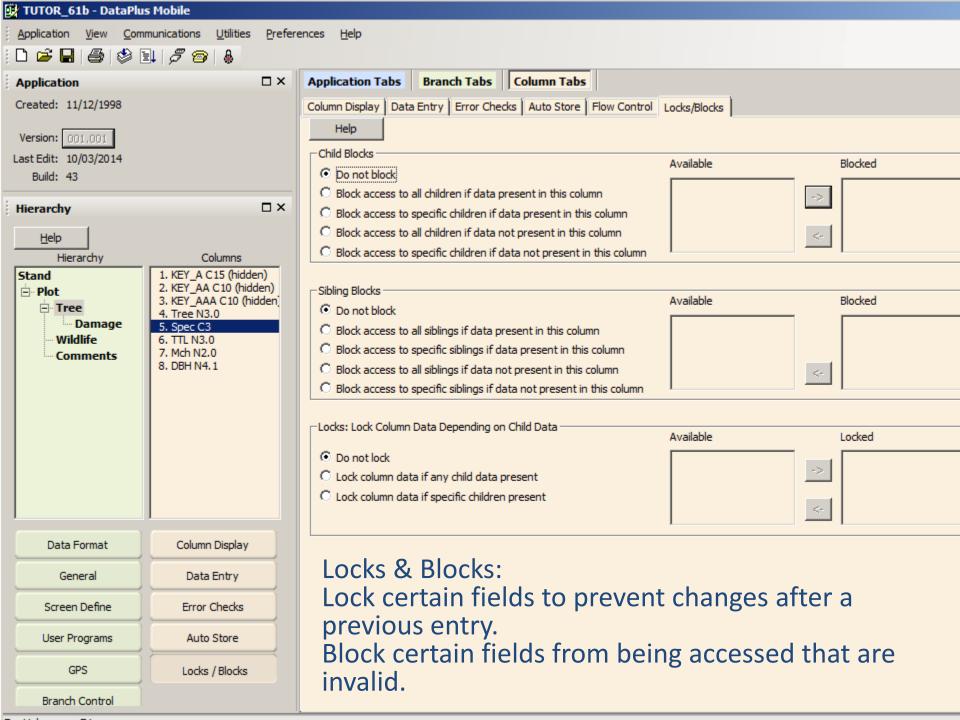
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Data Flow Control

- Jump Tables Allowing
 Movement to Specific
 Column Based on Data
 From Other Columns
- Column Searches
- Missing Data Checks

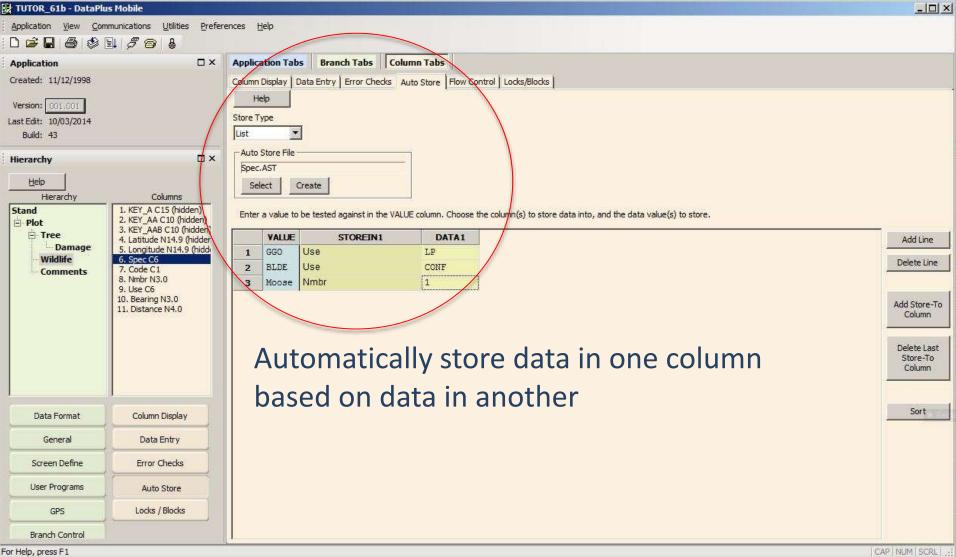




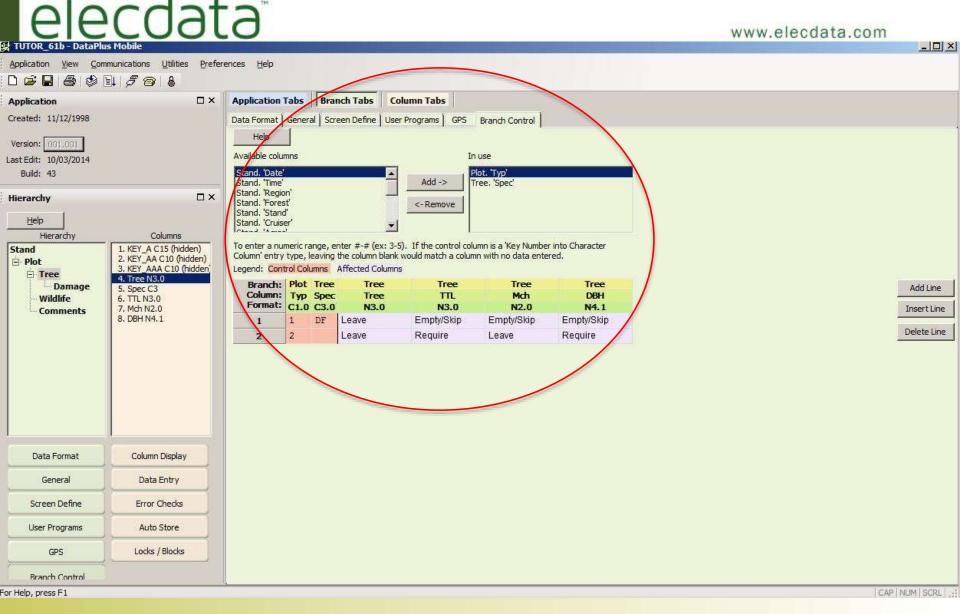




New, Auto-store Feature



New, Branch Control Feature





 Easily accommodates different hand held display sizes







DataPlus® Host



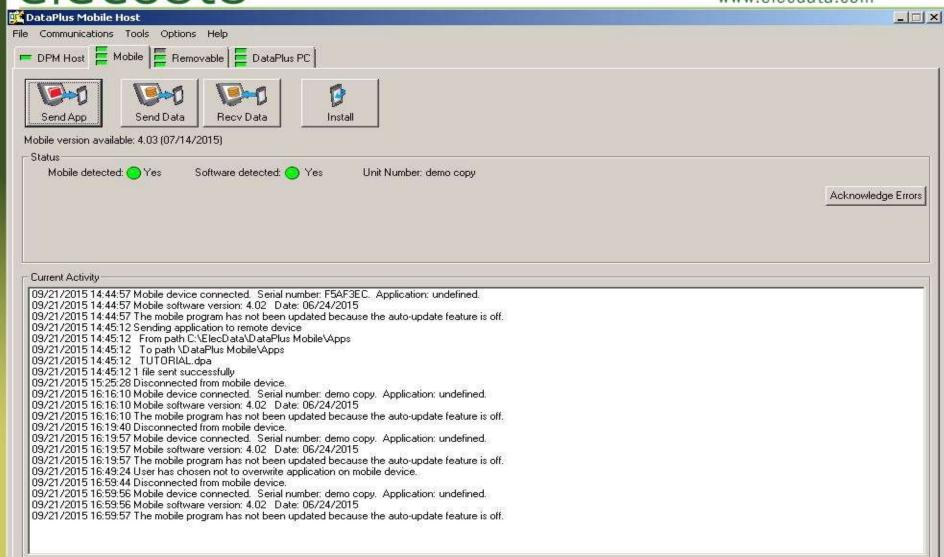
Integrated Communications Software for MS Windows & Windows Mobile Devices

- User Friendly Overlay to MS ActiveSync/Windows MDC
- File transfer between PC & handheld/GPS/Tablet
- Can run in the background or unattended





DataPlus Host

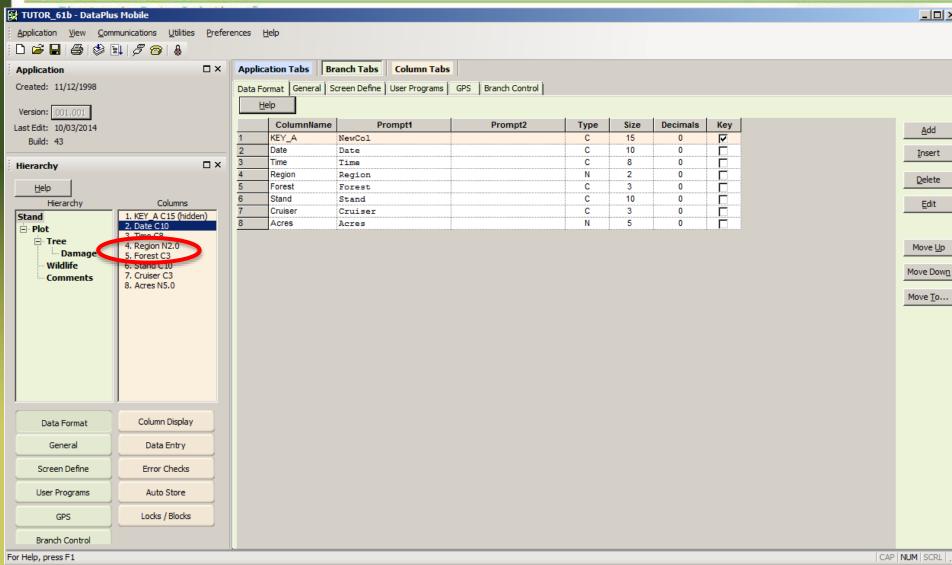




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Cruis	er											
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Plot Num			Tree Num	Spec	Total Height	Merch Height	DBH	N D	S E V	P O S	C A T	C S E
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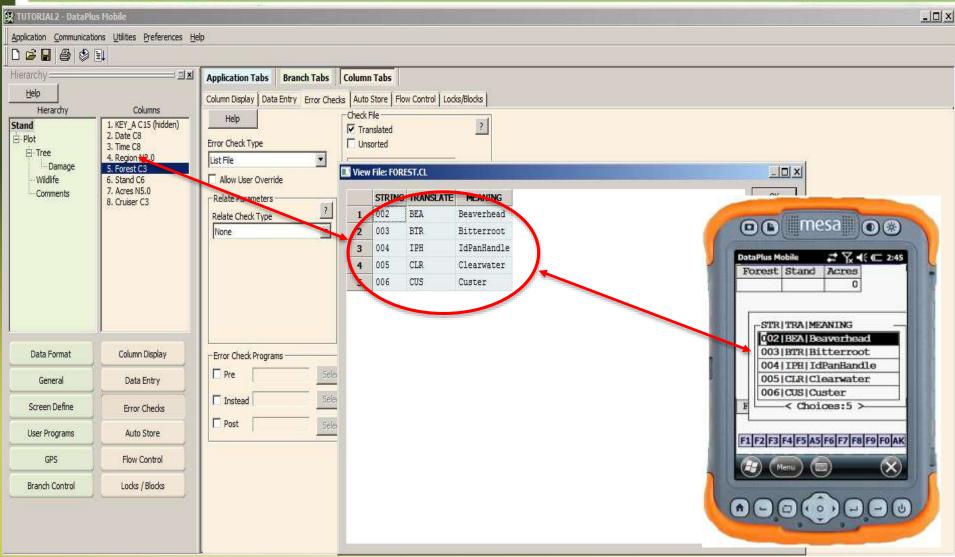


Forestry Case Study





List File





Wildlife Case Study

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Record	er:					Feedgr	ound:		Date:	
			Fee	Adult male A	Lee					
GATE	5EX	AGE				RECAP	EAR TAGS	VIS	BLOOD TUBE #	KEEP
1	M	Y				N	AB1234/AB1235			N
2	M	,				N	AB1236/AB1237			N
3	F	Ÿ				Y	XY1111/A81238	AS	15-1111 (from barcode scanner)	N
1	F	A	X			N	AB1239/AB1240	K2	15-5536	Y
			/							
						1				

Elk Trapping



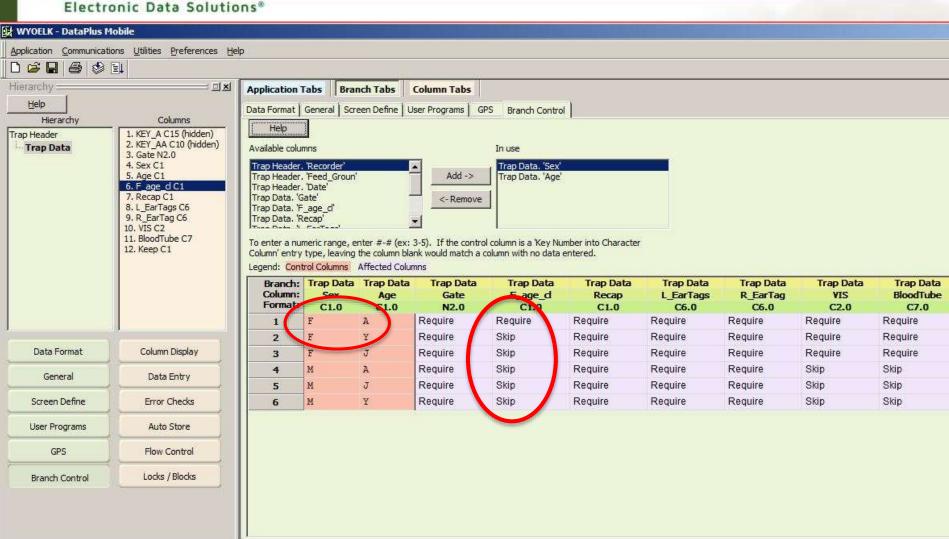




WYOELK - DataPlus Mobile Application Communications Utilities Preferences Help Hierarchy = D X Application Tabs **Branch Tabs** Column Tabs Help App | Links | Versioning | Security | Compilation | Hierarchy Columns Help Trap Header 1. KEY A C15 (hidden) Allow Multiple Datasets 2. KEY AA C10 (hidden) 3. Gate N2.0 - Trap Data GPS-✓ Use File Coordinates Use application-specific waypoint file Use local filters 4. Sex C1 Use Status Columns 5. Age C1 Require DGPS 6. F_age_d C1 Enable Key Remapping Key Remapping 7. Recap C1 Require 3D position Create 8. L_EarTags C6 9. R EarTag C6 Minimum SVs: 4 10. VIS C2 11. BloodTube C7 Max DOP: 12 12. Keep C1 Global User Programs Dependent Files Data Format Column Display General Data Entry Screen Define Error Checks Auto Store User Programs Flow Control Select Edit GPS Remove Edit/Create Add Remove Branch Control Locks / Blocks



Branch Control







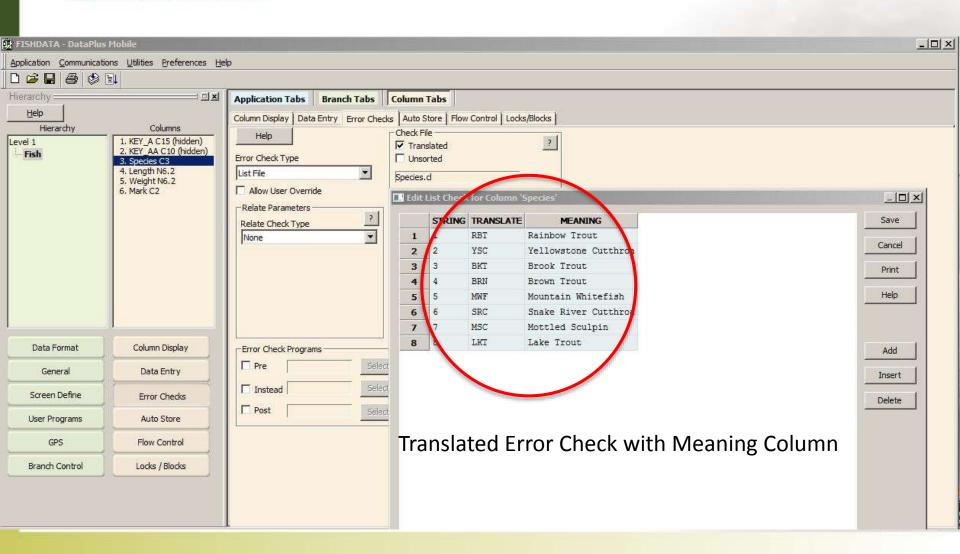
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1	F	A	1
2	F	J	
3	F	A	2
4	F	Y	
5	M	Y	
6	F	Y	
7	F	J	
8	F	A	2
9	F	A	3
F1-He	elp 1	F2-L:	Female Age C ist F4-Exit F5
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Fisheries Case Study





Fisheries Case Study

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Pressing a number
Loads the three-letter
Abbreviation for fish species

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Ī	Im#	Spe	<u>-ST</u>	R TRA MEANING —	
	1	RBT	1	RBT Rainbow Trout	
S	2	RBT	2	YSC Yellowstone Cutthroa	
	3	RBT	3	BKT Brook Trout	
	4	YSC	4	BRN Brown Trout	
	5	YSC	5	MWF Mountain Whitefish	
•			6	SRC Snake River Cutthroa	
		Е	7	MSC Mottled Sculpin	
		F1-	8	LKT Lake Trout	
,			9	TST Test Fish	
		L		<pre>Choices:9 ></pre>	J











DataPlus Mobile Services

- We can develop your DPM application
 - Price based on hours of development time
 - Estimate can be provided based on existing paper data sheets or a detailed written description
 - DataPlus App Library (future)





DataPlus Users

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Over 1300 Licenses Sold!

Alaska Fish & Game Idaho Fish & Game Utah Division of Wildlife Resources Florida Marine Fisheries Division Maine Dept. of Natural Resources Nez Pierce Tribe Rye Tree Service Oregon Dept. of Forestry **Interpine Forestry** Temple Inland **Bureau of Indian Affairs** Weyerhaeuser University of Alaska Wyoming Game and Fish Bureau of Land Management

USDA Forest Service Chehalis Indian Tribe WA Dept. of Natural Resources City of Logan, UT **High Desert Timber Roseburg Forest Products** Mason-Bruce Girard Potlatch Plum Creek Timber Fort Lewis Forestry **Boise Cascade** Duck Creek Integrated Resource Terra Verde



DataPlus Tutorial

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Lesson 1: Creating a Basic Application

GOAL — To create and test a basic application on a PC that can later be copied to a handheld computer for use in the field.

OBJECTIVES

- Use the Application tab.
- · Create the hierarchy for application CRUISE
- Use the Data Format tab.
- . Format columns for application CRUISE
- Save the application.
- . Compile and test the application with sample data
- Use keystroke help.
- Use sibling jumps
- Open DPM
 Start> All Programs> Generator under Start> All
 DataPlus Mobile
- Select New from the Application menu
- 3. Type "CRUISE" in the New Application box.
- 4. Click OK
- 5 To see all the option for this tutorial, we will be using the Line screen type till Lesson 3. Set ScreenType in the Screen Define on the Branch Tab to Line.



Hierarchy.

Next, we need to set up a file hierarchy like discussed in the introduction. In the hierarchy



- To name the branch, click on the highlighted branch name or hit F2. Then type the branch name and hit enter.
- To add a branch to the highlighted branch, press the Insert key or right click on the parent branch and select Add.
 Then type the branch name and hit enter. Each parent file may have up to nine child branches.
- To delete the highlighted branch, press the delete key or right click on the branch and select Delete. All children will be deleted with it.
 - In the hierarchy window,
 and rename it.
 - Click on Level 1.
 - Type "Stand".
 - Press Enter.
- 7. Create a child branch
 - Select Stand (if needed).
 - Press INSERT.
 - · Type "Plot".
 - Press ENTER
- Select Plot and press Insert for each of its three child branches, naming them

select "Level 1"

Tree Wildlife Comments

These three branches are called siblings

- 9. Select Tree, press INSERT, and type "Damage". Press ENTER.
- 18. Click the Save button to save the application.



DataPlus Mobile

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Try it out!



Application Generator & Program Editor Software







DataPlus is a Windows based applications generator for Windows, Windows Mobile, Windows CE, and DOS based hand held computers and tablets. Quickly create flexible data collection applications, which you can design and test on your desktop before deploying to your device. Downloads included for DataPlus Professional and Mobile.







Download for all versions of DataPlus

Purchase DataPlus

More Information

No access to the Date File Editor

www.elecdata.com/downloads







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Our Services

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- Specialize in mobilizing field crews
- Water and weather monitoring solutions
- Vector Control Hardware & Software Solutions
- UAS products and services
- Software development
- Rental equipment
- Repair services, technical support
 & training







Thank You!

