

CHAPTER 1. ABOUT THIS GUIDE 11

Before you begin 11

How to use this guide 11

Conventions 12

Update guidelines 12

CHAPTER 2. ABOUT WIMS 14

To obtain user support and system administration services 14

WIMS System components and information flow 15

NWS -Telecommunications Gateway (NWSTG) 16
Satellite RAWS Gateway 16
Non-satellite -RAWS Gateway 16

CHAPTER 3. GETTING STARTED 17

Access to WIMS web 17

Browser Requirements 17
To enable Java on Microsoft Internet Explorer: 17
To change your text size settings in Internet Explorer: 18
To enable Java on Netscape Navigator 4.7: 19
To change text size on Netscape Navigator 4.7: 20
WIMS access levels 21

Your WIMS logon ID 22

Your WIMS password 22
To change your WIMS password 24
Logging on to WIMS 25
Logging off 26

Accounting, security, and support services 26

To obtain a NITC-KC accounting code 26
To obtain user support and system administration services 26

CHAPTER 4. WIMS BASICS 27

WIMS system hierarchy 27

WIMS hierarchy of menus and forms 28

Navigating the WIMS Web Application System 29

- WIMs Web Interface Standard Buttons 31
- FASTPATH commands 31

Getting Help 31

- To obtain user support and system administration services 31

CHAPTER 5. BEYOND THE BASICS 33**Query blocks and query mode 33**

- Searching by date 33
- Wildcards 34
- To initiate a custom query on the List Stations form 34
- example 1 35
- To initiate a custom query on the List Stations form 35
- example 2 35

Capturing/Saving query data 36

- PLST form 36
- PLST field definitions 37
- To capture data for an observation 37
- To capture specific search criteria into a report 37
- Available forms for capturing or saving data 38

Recalculating NFDRS indices 38

- To recalculate NFDRS indices 39
- Starting with Herbaceous state of F (Frozen) 39
- FastPath ENRR 40
- NFDR Recalculation Screen 41
- DIDM Form 42
- Greenup 43
- FastPath ENRR 44
- NFDR Recalculation Screen 45
- ENFDR Screen 46
- DIDM Form 47

CHAPTER 6. WORKING WITH STATION INFORMATION STA 48**Station Information 48**

- Accessing the Maintain Station Information menu 49
- Creating a new station 50
- NSTA Form 52
- Station Information field definitions table 52

Creating default NFDRS Parameter Link 57

- Create Default NFDRS Parameters form 57

Create Default NFDRS Parameters field definitions	57
Extra Data Channels	62
Create Automated Sensor Station Information form	63
To complete the Create Automated Sensor Station Information form	63
Displaying/ editing station information	64
To access the Display/Edit General Station Information Form	64
Display/Edit General Station Information ESTA Form	65
Display/Edit Default NFDRS Parameters	65
Display/Edit Automated Sensor Station Information	66
To obtain access to edit station information	66
List Stations	66
LSTA form	67
To list all Forest Service stations	68
To list stations by owner	68
Editing NFDRS parameters	68
ENFDR form	69
To Display or edit defualt NFDRS parameters for a station	70
Special Interest Groups (SIGs)	70
Accessing the Maintain S. I. G. menu	71
Creating a new SIG	72
NSIG form	73
COPY a SIG	74
Editing a SIG	77
Deleting a SIG	79
Listing SIGs	80
Assigning NFDRS weighted averages to stations in your SIG	82
EAVG form	83
EAVG field definitions	83
To assign weightings to your existing SIG	84
To reassign a weight factor percentage to a station	84
Access Control Lists (ACLs)	85

Creating a new ACL 86**Editing an ACL 88****Deleting an ACL 90****Listing ACLs 89****CHAPTER 7. WORKING WITH OBSERVATIONS OBS 93****Observations 93****Accessing the Observations menu 94****Entering a new observation 95**

NOBS form 95

Create a new observation 96

Observation field definitions 97

To enter a new observations for a Sig 99

Editing an observation 99

EOBS form 101

To edit an observation 101

Displaying an observation 102

DOBS form 103

To display an observation 103

Saving observations 105

Displaying RAWS data 106

DRAWS form 106

DRAWS field definitions 107

Display DRAWS second screen 109

CHAPTER 8. WORKING WITH FORECASTS FCST 111**Forecasts 111****Accessing the Forecasts menu 112****Accessing the Display Forecasts menu 112****Displaying a point forecast 113**

DPFCST form 114

Point Forecast Field Definitions 115

Print the Point Forecast	118
Displaying a trend forecast	119
DTFCST form	119
Trend Forecast Field Definitions	120
To display a trend forecast	123
Creating and editing forecasts -for NWS users only	125
Accessing the New Forecasts menu	125
Entering a point forecast	126
NPFCST form	126
To enter a point forecast	127
Entering a trend forecast	127
NTFCST form	128
To enter a trend forecast	128
Accessing the Edit Forecasts menu	128
Editing a point forecast	129
EPFCST form	129
To edit a point forecast	129
Editing a trend forecast	130
ETFCST form	130
To edit a trend forecast	131
Accessing National Weather Service Products	131
Fire Weather Forecasts	132
Fire Weather Forecasts Form	132
Red Flag Warnings	132
Red Flag Form	133
Spot Forecasts	133
SPOT Form	134
Smoke Management Forecasts	134
SMOKE Form	134

Other narrative forecasts 134

ONARR Form 135

CHAPTER 9. WORKING WITH NFDRS DNFDR 136

The National Fire Danger Rating System 136

Displaying NFDRS forms 137

Accessing National Fire Danger Rating menu 137

NFDRS field descriptions 138

To retrieve tomorrow's (forecasted) NFDRS indices for today's observations 138

Calculating NFDRS indices for a RAWS observation 139

To edit a RAWs observation 139

To display an edited RAWs observation in an NFDRS index form 140

Displaying the Index form 140

Index (DIDX) form 141

Index (DIDX) field definitions 141

Displaying the Moisture Index form 142

Moisture (DIDM) form 143

Moisture (DIDM) field definitions 144

Displaying the Manager's form 144

Manager's (DMGR) form 145

Manager's (DMGR) field definitions 145

Displaying the Short form 147

Short (DSHR) form 147

Short (DSHR) field definitions 148

Displaying the Weighted Averages form 148

Weighted Averages (DAVG) form 149

Weighted Averages (DAVG) field definitions 150

How WIMS handles IFPL calculations 150

Displaying the Abbreviated form 150

Abbreviated (DABR) form 151

Abbreviated (DABR) field definitions 152

CHAPTER 10. WORKING WITH WIMS UTILITIES UTIL 152

WIMS Utilities 153

Accessing WIMS Utilities menu options 153

Setting up or changing your profile	154
PROFILE form	155
PROFILE field definitions	155
Accessing the WIMS User List	156
LUSER field definitions	157
LUSER form	158
Listing specific groups	158
APPENDIX A. MENUS, FASTPATHS, AND ACCESS LEVELS	159
APPENDIX B SPECIFIC FIELD GLOSSARY	163
APPENDIX C. ACRONYMS	179
APPENDIX D. WIMS/ NIFMID FORMS AND INSTRUCTIONS	182
WIMS/ NIFMID National Information Technology Center (NITC)	182
Completing the WIMS/ NIFMID National Information Technology Center Access Request Form	184
WIMS/ NIFMID NITC-Terms and Conditions	186
Requirements	186
National Information Technology Center	187
APPENDIX E. NFDRS TECHNICAL REFERENCE	189
U. S. NFDRS structure	189
NFDRS technical reference	190
How WIMS redistributes NFDRS weight assignments	190
How WIMS determines IFPL calculations for USFS Region 6	191
How WIMS handles weighted variables, components, indices, and values	192
How WIMS determines the weighted staffing level	193
Adjective (Public) Fire-Danger Rating	194
To determine the historic occurrence of the adjective fire-danger	195
Staffing Level	197
Lightning Occurrence Index	199
How WIMS obtains yesterday's lightning risk	199
How WIMS obtains today's Lightning Risk (LAL)	199
How WIMS obtains today's lightning risk for predicting tomorrow's Fire Load Index	200
How WIMS obtains tomorrow's lightning risk for predicting tomorrow's Fire Load Index	201
More about recalculating NFDRS indices	201

To handle missing data	202
To handle an NFDRS parameter change	202
Live fuels	202
Herbaceous plants	202
Woody shrubs	203
Live fuel moisture models	203
x1000, Annual, and Perennial herbaceous fuel moisture models	203
Greeness factors during dry periods	205
Setting the greenup date for a station	205
To "greenup" a station	205
NFDRS climate classes	207
Standard Shef codes	208
APPENDIX F. DETAILED NFDRS USER MATERIALS 216	
NFDRS Structure	216
Site Description Input (Station Information Screen)	217
NFDRS Structure Inputs (Station Information Screen)	218
Latitude	218
Longitude	218
Average Annual Precipitation	218
NFDRS Default Parameters	219
Fuel Model (ID)	219
Climate Class	220
Live Fuel Types	222
Slope Class	222
Observations	223
1300 LST Observation	223
State of the Weather	224
Effects of State of the Weather on NFDRS	224
Dry Temp	
RH	
Wind Speed	
Fuel Stick Moisture	
24 Hour Observations	226
Min/Max RH	
Min/Max Temp	
Precip Duration	
Precipitation Amount	
Carryover Fuel Moistures	226

100 HR	226
1000 HR	226
Calculated Intermediate Values 227	
Dead Fuel Moisture	227
Live Fuel Moisture	227
KBDI	227
OUTPUTS 228	
Spread Component	228
Ignition Component	229
Burning Index	229
Energy Release Component	229
Managing 1978 NFDRS Model 230	
1978 Model Greenup Process	
Pregreen	
Transition	
Cured	
Managing 1988 NFDRS Model 233	
INDEX 237	