

**CHARACTERIZATION OF RIPARIAN MANAGEMENT ZONES AND  
UPLAND MANAGEMENT AREAS WITH RESPECT  
TO WILDLIFE HABITAT**

DATA DOCUMENTATION

By

Washington Department of Wildlife  
Habitat Management Division



Companion to TFW-WL1-91-001

Washington Department of Wildlife

# **RMZ/UMA Site Management Information System**

For  
**Habitat Management Division**

User Reference Manual

Version 08.90.02.00  
Washington Department of Wildlife  
Information Systems Section  
Roosevelt McKenzie  
Data Administrator  
June 1991

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# SMS System Requirements

## Minimum System Hardware Requirements

IBM PC-AT or equivalent  
1 Mb RAM (640K + 384K Extended)  
15Mb available hard disk space  
5 1/4" 1.2Mb or 3 1/2" 1.44Mb diskette drive  
EGA Adapter and Monitor

Epson FX-100 Dot Matrix Printer or equivalent

## Minimum System Software Requirements

PC or MS-DOS Version 3.1 or later

SMS Installation 1 Diskette  
SMS/Paradox Program 1 Diskette

## SMS Installation

The RMZ/UMA SMS media package consists of the following manuals and diskettes:

- SMS User Reference Manual
- SMS Technical Reference Manual
- SMS Installation 1 Diskette
- SMS/Paradox Program 1 Diskette

If any of these items are missing DO NOT attempt to install this application!!

### Installing RMZ/UMA SMS (5 1/4" Diskette)

- 1 - Place SMS Installation 1 Diskette in Drive A: • \* and engage the drive latch.
- 2 - Make A: the default drive by typing A: and pressing Enter.
- 3 -At the A:\> prompt, type install and press enter.
- 4 Follow the directions displayed on the monitor to continue.
- 5 -When installation is complete, store the diskettes in a safe place.

Refer to Section 5 of the RMZ/UMA SMS Technical Reference Manual for additional information

- |  |
|--|
| <ul style="list-style-type: none"><li>• * If using the 3 1/2" diskette set, make Drive B: the default drive.</li></ul> |
|--|

## Using the RMZ/UMA Site Management Information System

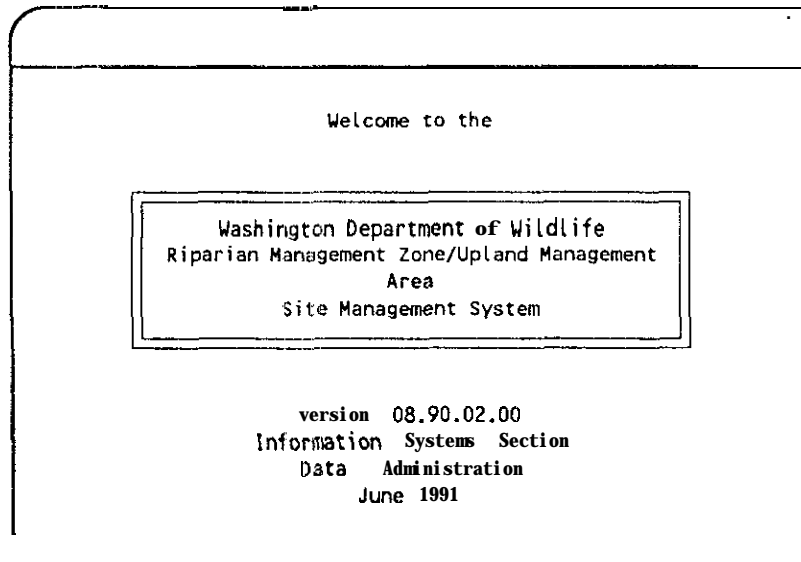
SMS is a simple and easy to use menu driven application. This section will cover each of the system menus, the menu selections, and the screens and functions that are associated with the menu selections.

To start SMS,

1. At the system prompt (C:\>), type

SMS91 and press Enter.

2. After a short wait, the system opening screen will appear on the monitor



3. This screen will clear after approximately 5 seconds.

## SMS Main Menu

<b>Add</b>	View	Edit	Report	Leave
Add records to	selected	tables		
SMS MAIN MENU				
[Add]	Create RMZ/UMA Site master and related records			
[View]	View any table in this application			
[Edit]	Edit RMZ/UMA Site master and related records			
[Report]	GO to the Reports "EN"			
[Leave]	Quit this system and exit application			

## Making Menu Selections

Menu selections may be made by using the right and left cursor (arrow) keys to highlight the desired function and pressing Enter, or by depressing the first letter of the function keyword. For instance, depressing "e" will display the Edit Menu.

<u>Menu Selection</u>	<u>Function</u>
[Add]	Add new data to RMZ/UMA site files.
[View]	View selected RMZ/UMA site data.
[Edit]	Modify/Delete data in RMZ/UMA site files.
[Report]	Display the Report menu.
[Leave]	Exit the application.



## SMS Add Menu

```
Gen] Strip Splot Return
Enter General and LOD records

ADD RECORDS MENU

[Gen]      Add General record with linked LOD records
[Strp]     Add Strip record with Linked tree records
[Splot]    Add Subplot records with Linked Dom_S&H records
[Return]   Return to the Main Menu
```

<u>Selection</u>	<u>Function</u>
[Gen]	Add new data to the General and LOD tables.
[Strp]	Add new data to the Strip and Tree tables.
[Splot]	Add new data to the Subplot and Dominant Shrub/Herb tables.
[Return]	Return to the Main Menu.

- \* **WARNING** SMS uses keyed., linked, relational tables. Any attempt to enter and write **duplicate** records to the data tables will result in a key violation. Duplicate or non-unique records will be written to a key violation data table. In the event of a key violation, you will be asked to either **print** a report or **continue**. Select print **report** then exit the application. Notify your support person immediately.

- \* **NOTE**\*\* To add any new data to the SMS data tables, valid data must first be entered into the **RMZ/UMA** General/ data table. If an **attempt** is made to enter data without a valid Site **Number**, an error will be generated, and the **entry** disallowed.

**\*\* NOTE**\*\* Most of the forms used for data entry will have highlighted fields. These fields are automatically generated. Although you may **alter** or delete the data in some 01' these fields, it is strongly recommended that you do not. First, it will cause the system to operate at a much slower rate than normal. Second, the application has been designed to make use of this information when storing data, querying data, and generating reports. And last, changing these fields will cause the generation of numerous key violation and invalid data tables which is not the best use of //mired disk and memory resources.

**General/Large Organic Debris (LOD) Data**

```

ADD RECORDS [Alt][F2]-Save/Exit [Esc]-Cancel [F3]-General [F4]-LOD
[PgDn]-New Record [PgUp]-Previous Record

GENERAL
Site #: Site Type: Water Type: Substrate: Side:
UMA Type: Date: FPA#: Owner:
Location: Elevation:
Stream: FPA/HUA: LOD Dist:
LOD Count: RMZ Length: FPA/UMA Area:
Road Dist: UMA Length: Site Area:

LARGE ORGANIC DEBRIS
Entry # Veg Type Len Meas Len Est Tot Len Diameter
    
```

Use the table below to enter data into the RMZ/UMA General and Large Organic Debris (LOD) tables. The Screen Label column is what appears on the data entry screen, the Allowable Entry column is the range of values, text or other formatted entry that can be made on the data entry screen. The Block Number column is the location of the corresponding information on the Field Collection Data Form.

<u>Screen Label</u>	<u>Allowable Entry</u>	<u>Block Number</u>
<b>General</b>		
Site #	Number between 1 and 999	1
Site Type	L, R, or U	
Water Type	1, 2, or 3	9
Substrate	B or G	10
Side	E or W	
UMA Type	(If Site Type = U) B, UF, or FW	17
Date	mm/dd/yy	3
FPA #	7 digit code	2
Owner Code		
Location	Town/Range/Section	6
Elevation	Number between 1 and 99	7
Stream	Max = 15 characters	8
FPA/HUA	Number between 1 and 999	11
LOD Dist	Number between 1 and 9999	12
LOD Count	Total number of line entries from Card 1B.	
RMZ Length	Number between 1 and 99999	13
FPA/UMA Area	Not Used	
Road Dist	Number between 1 and 9999	19
UMA Length	Number between 1 and 999	16
Site Area	Number between 1 and 99	16

List continues on *next* page...

<u>Screen Label</u>	<u>Allowable Entry</u>	<u>Block Number</u>
<b>Large Organic Debris</b>		
Entry #	Sequential line or block count of the LOD entry on Card 1 B. There are 66 entries per card.	
Veg Type	TC, TH, or TU	26
Len Meas	Number between 1 and 99	24X
Len Est	Number between 1 and 99	24Y
<i>Tot Len</i>	<i>Calculated</i>	
Diameter	Number between 1 and 99	25

# Strip/Tree Data Entry Form Strip/Tree

ADD RECORDS [Alt] [F2] -Save/Exit [Esc]-Cancel [F3]-Strip [F4]-Trees [PgDn] -New Record [PgUp]-Previous Record						
Site Number: Site Type: Water Type: Substrate: Side: UMA Type:	<b>STRIP</b> Strip #: Direction: stream canopy: <b>Stream Width:</b> Stream Depth: Gradient: Site Width: Azimuth: Slope: Aspect: Toposite: RMZ Plnt Assn: UMA Plnt Assn: Final SP Len:					
<b>TREES</b>						
Entry#	Tree Class	Size Class	Tree Code	Veg Type	Common Name	Tree Count

<u>Screen Label</u>	<u>Allowable Entry</u>	<u>Block Number</u>
Strip		
Site Number	Number between 1 and 999	1
Site Type		
Water Type		
Substrate		
Side		
UMA Type		
Strip #	Max = 3 characters	26
Direction	Number between 0 and 359	27
Stream Canopy	Number between 0 and 99	29
Stream Width	Number between 1 and 999	30
Stream Depth	Number between 0 and 9.9	31
Gradient	Number between 0 and 99	32
Site Width	Number between 0 and 999	33
Azimuth	Number between 0 and 359	34
Slope	Number between 0 and 100	35
Aspect	Number between 0 and 9	36
Toposite	Number between 1 and 8	37
RMZ Plnt Assn	Max = 8 characters	38
UMA Plnt Assn	Max = 8 characters	39
Final SP Len	Number between 0 and 9	40
Trees		
Entry #	Sequential line or block count of the Tree entry on Card 2A/B. There are 70 entries per card.	
Tree Class	Max = 1 character	41
Size Class	Number between 1 and 7	43
Tree Code	Number between 0 and 999	42
Veg Type		
Common Name		
Tree Count	Number between 1 and 9	44

## Subplot/Dominant Herbs & Shrubs Data Entry Form

ADD RECORDS [Alt][F2]-Save/Exit [Esc]-Cancel [F3]-Subplot [F4]-Dom_S&H [PgDn]-New Record [PgUp]-Previous Record																	
Site Number: Site Type: Water Type: Substrate: Side: UMA Type:	SUBPLOT Strip Number: Subplot #: Canopy Cover:	GROUND COVER Cover Midpoint Shrub: Forbs: Grams: DW1: DW2: DW3: Water: Rock: Soil: OGC:															
<b>Dominant Herbs &amp; Shrubs</b>																	
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;">Class</th> <th style="width: 10%;">Code</th> <th style="width: 10%;">Veg. Type</th> <th style="width: 10%;">Common Name</th> <th style="width: 10%;">Cover</th> <th style="width: 10%;">Midpoint</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	Class	Code	Veg. Type	Common Name	Cover	Midpoint											
Class	Code	Veg. Type	Common Name	Cover	Midpoint												

<u>Screen Label</u>	<u>Allowable Entry</u>	<u>Block Number</u>
Subplot		
Site Number	Number between 1 and 999	1
Site Type		
Water Type		
Substrate		
Side		
UMA Type		
Strip Number	Max = 3 characters	26
Subplot #	Number between 1 and 99	45
Canopy Cover	Number between 0 and 99	46
Shrub (Cover)	Number between 0 and 6	49
Forbs (Cover)	Number between 0 and 6	52
Grams (Cover)	Number between 0 and 6	53
DW1 (Cover)	Number between 0 and 6	54
DW2 (Cover)	Number between 0 and 6	55
DW3 (Cover)	Number between 0 and 6	56
Water (Cover)	Number between 0 and 6	57
Rock (Cover)	Number between 0 and 6	58
Soil (Cover)	Number between 0 and 6	59
OGC (Cover)	Number between 0 and 6	60
<b>DOM_S&amp;H</b>		
Class	DH1, DH2, DS1 or DS2	
Code	Max = 4 characters	47
Veg. Type		
Common Name		
Cover	Number between 1 and 6	48

## SMS View Menu

Gen	Strp	Splot	Veg1	Veg2	Return
View General/LOD table					
VIEW RECORD MENU					
[Gen]	View General record with linked LOD records				
[Strp]	View Strip record with Linked tree records				
[Splot]	View Subplot records with linked Dom_S&H records				
[Veg1]	View Shrub and Herb Library table				
[Veg2]	View Tree library table				
[Return]	Return to the Main Menu				

## Making Menu Selections

Menu selections may be made by using the right and left cursor (arrow) keys to highlight the desired function and pressing Enter, or by depressing the first letter of the function keyword, For instance, depressing 'g' will display the General table in Table View mode.

<u>Menu Selection</u>	<u>Function</u>
[Gen]	View General and linked LOD records.
[Strp]	View Strip and linked Tree records.
[Splot]	View Subplot and linked Dominant Herb &Shrub records.
[Veg1]	View Shrub & Herb code library.
[Veg2]	View Tree code library.
[Return]	Return to the Main Menu.

## Viewing Data

In View Mode, data may be viewed in two formats, Form or Table. The default mode is Table View. In table view, only the high level table is displayed. In the picture below, the General table has been selected for viewing and is displayed in table

Viewing Single Table [F2]-Exit [F7]-Form/Table View Toggle							
GENERAL	Site Number	Site Type	Water Type	Substrate	East/West	UHA Type	
1	1	R	3	G	W		
2	2	R	3	G	W		
3	3	R	3	G	W		
4	4	R	3	G	W		
5	5	R	2	G	W		
6	6	U			W		UF
7	7	R	3	G	W		
8	8	R	2	G	W		
9	9	R	1	G	W		
10	10	R	3	B	W		
11	11	U			W		UF

mode. Use the up/down cursor (arrow) keys to select a site. Depressing the [F7] key will toggle viewing modes and allow viewing of the data in Form mode. Form view permits viewing of the top level record and its linked companion records.

Viewing Table 1 of 2  
 [F2]-Exit [F3]-Next Table [F4]-Previous Table [F7]-Form/Table View Toggle

---

--- GENERAL ---

Site #: 1	Site Type: R	Water Type: W	Substrate: G	Side: W
UMA Type:	Date: 8/03/88	FPA#: 415723	Owner: 201	
Location: 17N 06W 14	Elevation: 1			
Stream: UNKNOWN	FPA/HUA: 60	LOD Dist: 500		
LOD Count: 38	RMZ Length: 800	FPA/UMA Area:		
Road Dist: 0	UMA Length:	Site Area: '74		

---

--- LARGE ORGANIC DEBRIS ---

Entry #	Veg Type	Len Meas	Len Est	Tot Len	Diameter
1	TC	2	15	17	50
2	TC	9	15	24	18
3	TC	11	10	21	40
4	TC	12	12	24	24
5	TC	12	23	35	32
6	TC	13	2	15	20
7	TC	14	5	19	18
8	TC	17	35	52	24

## SMS Edit Menu

```
Gen] Strp Splot Veg1 Veg2 Return
EDIT General and LOD records

          EDIT RECORD MENU"

[Gen]      Edit General record with linked LOD records
[Strp]     Edit Strip record with linked free records
[Splot]    Edit Subplot records with linked Dom_S&H records
[Veg1]     Edit Shrub and Herb Library table
[Veg2]     Edit Tree Library table
[Return]   Return to the Main Menu
```

### Making Menu Selections

Menu selections may be made by using the right and left cursor (arrow) keys to highlight the desired function and pressing Enter, or by depressing the first letter of the function keyword. For instance, depressing "g" will display the select prompt.

<u>Menu Selection</u>	<u>Function</u>
[Gen]	Edit General and linked LOD records.
[Strp]	Edit Strip and linked Tree records.
[Splot]	Edit Subplot and linked Dominant Herb & Shrub records.
[Veg1]	Edit Shrub & Herb code library.
[Veg2]	Edit Tree code library.
[Return]	Return to the Main Menu.

### Editing Data

When a table is selected for editing, you may either enter the Site number or press Enter and use the up/down cursor (arrow) keys and [F2] to select a record. The

```
Enter Site Number or Press Enter (↵) and select Site to view:
```



Move cursor to Site to select [F2]-Select [Esc]-Cancel						
GENERAL	Site Number	Site Type	Water Type	Substrate	East/West	UMA Type
1	1	R	3	G	W	
2	2	R	3	G	W	
3	3	R	3	G	W	
4	4	R	3	G	W	
5	5	R	2	G	W	
6	6	U			W	UF
7	7	R	3	G	W	
8	8	R	2	G	W	
9	9	R	1	G	W	
10	10	R	3	B	W	
11	11	U			W	UF

table selected for editing is always displayed in Table Format during the record selection process. After a Site is selected, the top-level table and its companion data table are shown in Form format and Edit mode is activated.

Edit record [Alt] [F2]-Save/Exit [F3]-Next Table [F9]-Insert Record [PgDn]-Next Record [PgUp]-Previous Record [Del]-Delete Record					
GENERAL					
Site #: 1	Site Type: R	Water Type: W	Substrate: G	side: W	
UMA Type:	Date: 8/03/88	FPA#: 415723	Owner: 201		
Location: 17N 06W 14	Elevation: 1				
scream UNKNOWN		FPA/HUA: 60	LOD Dist: 500		
LOD Count: 38	RMZ Length: 800	FPA/UMA Area:			
Road Dist: 0	"A" Length:	Site Area: .74			
----- LARGE ORGANIC DEBRIS -----					
Entry #	Veg Type	Len Meas	Len Est	Tot Len	Diameter
1	TC	2	15	17	50
2	TC	9	15	24	18
3	TC	11	10	21	40
4	TC	12	12	24	24
5	TC	12	23	35	32
6	TC	13	2	15	20
7	TC	14	5	19	18
8	TC	17	35	52	24

## SMS Report Menu

<u>Gen</u>	Lod	Strip	Trees	Subplot	Dom_S&H	Leave
Select and print RMZ/UMA General Site data						
REPORT HEN"						
[Gen]	select and print RMZ/UMA General Site data					
[LOD]	Select and print RMZ/UMA LOD data					
[Strip]	Select and print RMZ/UMA Strip data					
[Trees]	select and print RMZ/UMA Tree data					
[Subplot]	Select and print RMZ/UMA Subplot data					
[Dom_S&H]	Select and print RMZ/UMA Dominant Herb & Shrub data					
[Leave]	Quit this system and exit application					

### Making Menu Selections

Menu selections may be made by using the right and left cursor (arrow) keys to highlight the desired function and pressing Enter, or by depressing the first letter of the function keyword. For instance, depressing "t" will display the Tree Reports Menu.

<u>Menu Selection</u>	<u>Function</u>
[Gen]	Displays the General Reports Menu.
[LOD]	Displays the LOD Reports Menu.
[Strip]	Displays the Strip Reports Menu.
[Trees]	Display s the Tree Reports Menu.
[Subplot]	Displays the Subplot Reports Menu.
[Dom_S&H]	Displays the Dominant Herbs & Shrubs Reports Menu.
[Leave]	Return to the Main Menu.

Reports currently available within each menu selection:

#### **General**

Gen1	Eastside UMA sites by UMA type
Gen2	Westside UMA sites by UMA type
Gen3	Eastside RMZ sites by water type and substrate
Gen4	Westside RMZ sites by water type and substrate

#### **Large Organic Debris (LOD)**

LOD1	Eastside RMZ site LOD averages
LOD2	Westside RMZ site LOD averages

#### **Strips**

Strip1	Eastside UMA averages by UMA type
Strip2	Westside UMA averages by UMA type
Strip3	Eastside RMZ averages by water type
Strip4	Westside RMZ averages by water type

## **Trees**

Tree1 Live tree counts by side, tree type and common name  
Tree2 Live tree counts by side, tree size, tree type and common name  
Tree3 **Eastside** UMA live tree counts by UMA type  
Tree4 **Westside** UMA live tree counts by UMA type  
Tree5 **Eastside RMZ** live tree counts by water type  
Tree6 **Westside RMZ** live tree counts by water type  
Tree7 Blowdowns, snags and stumps by side and type

## Subplots

Subplot1 **Eastside** UMA averages by UMA type  
Subplot2 **Westside** UMA averages by UMA type  
Subplot3 **Eastside RMZ** averages by water type and substrate  
Subplot4 **Westside RMZ** averages by water type and substrate

## Dominant **Herbs &** Shrubs (**Dom S&H**)

Dom\_S&H1 **Eastside** UMA dominant herb &shrub average midpoint values  
Dom\_S&H2 **Westside** UMA dominant herb & shrub average midpoint values  
Dom\_S&H3 **Eastside RMZ** dominant herb&shrub average midpoint values  
Dom\_S&H4 **Westside RMZ** dominant herb & shrub average midpoint values

As the need arises, more reports may be added to this listing.

Washington Department of Wildlife

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**Technical Reference Manual**

Version 08.90.02.00  
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## Contents

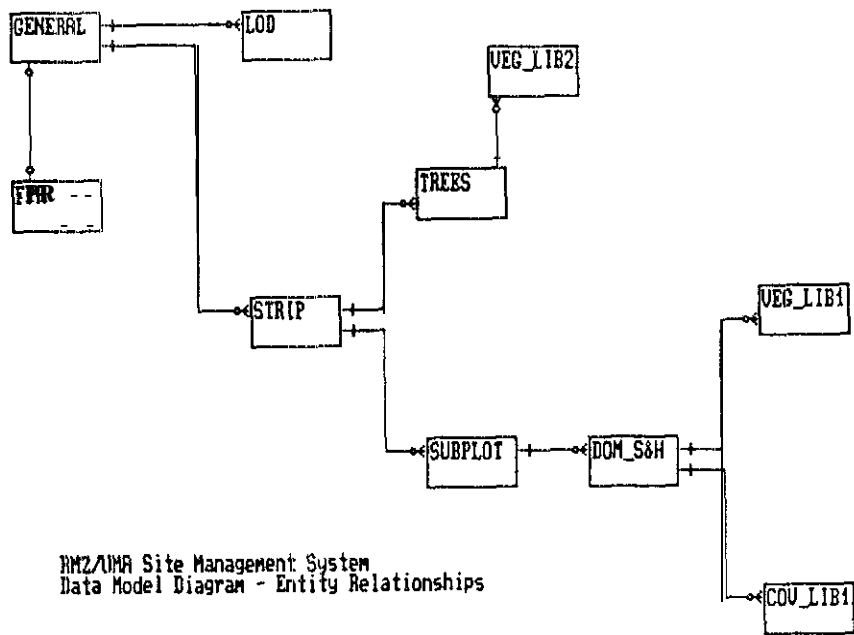
## Section

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## **Section 1**

# **Data Model Diagram**





## **Section 2**

# **Entity Documentation List Attribute Documentation List**

---

## ENTITY DOCUMENTATION LIST

MODEL ID : SMS  
MODEL NAME : RMZ/UMA SITE MANAGEMENT INFORMATION SYSTEM

- 1      **COV\_LIB1**  
Owner                    : DATA ADMINISTRATION  
User                     : HABITAT  
Password (Read)        :  
Password (Modify)     :  
Password (Add/Delete) :  
Potential Capacity    : 7  
Current Capacity      : 7  
Growth Rate            : 0            per YEAR  
Growth Type            : LINEAR  
Growth Potential      : 0            years to reach potential  
Last Documented by    : RMZSYS on 08/17/90  
Description  
Contains coverage class codes and midpoint values. Used by other data files as a data lookup resource.
  
- 2      **GENERAL**  
Owner                    : DATA ADMINISTRATION  
User                     : HABITAT  
Password (Read)        :  
Password (Modify)     :  
Password (Add/Delete) :  
Potential Capacity    : 999  
Current Capacity      : 227  
Growth Rate            : 100        per "EAR  
Growth Type            : LINEAR  
Growth Potential      : 8            years to reach potential  
Last Documented by    : RMZSYS on 06/05/91  
Description  
General Data file. Contains general site information on Riparian Management zones, Upland Management Areas, and Lakes
  
- 3      **LOD**  
Owner                    : DATA ADMINISTRATION  
User                     : HABITAT  
Password (Read)        :  
Password (Modify)     :  
Password (Add/Delete) :  
Potential Capacity    : 25461  
Current Capacity      : 5442  
Growth Rate            : 2549       per YEAR  
Growth Type            : LINEAR  
Growth Potential      : 8            years to reach potential  
Last Documented by    : RMZSYS on 06/05/91  
Description  
Large organic debris information.
  
- 4      **STRIP**  
Owner                    : DATA ADMINISTRATION  
User                     : HABITAT  
Password (Read)        :  
Password (Modify)     :  
Password (Add/Delete) :  
Potential Capacity    : 10649  
Current Capacity      : 2207  
Growth Rate            : 1066       per YEAR  
Growth Type            : LINEAR  
Growth Potential      : 8            years to reach potential  
Last Documented by    : RMZSYS on 06/05/91  
Description  
Contains stream measurement information.
  
- 5      **SUBPLOT**  
Owner                    : DATA ADMINISTRATION  
User                     : HABITAT  
Password (Read)        :  
Password (Modify)     :  
Password (Add/Delete) :  
Potential Capacity    : 65535  
Current capacity      : 14270  
Growth Rate            : 6845       per YEAR  
Growth Type            : LINEAR  
Growth Potential      : 8            years to reach potential  
Last Documented by    : RMZSYS on 06/05/91  
Description  
Contains site coverage information.

6       **TREES**  
 Owner                   : DATA ADMINISTRATION  
 User                    : HABITAT  
 Password (Read)        :  
 Password (Modify)     :  
 Password (Add/Delete) :  
 Potential Capacity     : 65535  
 Current Capacity       : 17922  
 Growth Rate            : 8479 per YEAR  
 Growth Type            : LINEAR  
 Growth Potential       : 6        years to reach potential  
 Last Documented by    : RMZSYS on 06/05/91  
 Description  
 Tree information.

7       **DOM\_S&H**  
 Owner                   : DATA ADMINISTRATION  
 User                    : HABITAT  
 Password (Read)        :  
 Password (Modify)     :  
 Password (Add/Delete) :  
 Potential Capacity     : 65535  
 Current Capacity       : 57080  
 Growth Rate            : 8479 per YEAR  
 Growth Type            : LINEAR  
 Growth Potential       : 6        years to reach potential  
 Last Documented by    : RMZSYS on 06/05/91  
 Description  
 Dominant herb and shrub information.

8       **VEG\_LIB1**  
 Owner                   : DATA ADMINISTRATION  
 User                    : HABITAT  
 Password (Read)        :  
 Password (Modify)     :  
 Password (Add/Delete) :  
 Potential Capacity     : 1000  
 Current Capacity       : 278  
 Growth Rate            : 50       per "EAR  
 Growth Type            : I LINEAR  
 Growth Potential       : 19       years to reach potential  
 Last Documented by    : RMZSYS on 06/05 /91  
 Description  
 This Library contains ipacific information on herbs and shirubs.  
 It is used by other files as a data Lookup resource.

9       **VEG\_LIB2**  
 Owner                   : DATA ADMINISTRATION  
 User                    : HABITAT  
 Password (Read)        :  
 Password (Modify)     :  
 Password (Add/Delete) :  
 Potential Capacity     : 1000  
 Current Capacity       : 33  
 Growth Rate            : 50       per YEAR  
 Growth Type            : LINEAR  
 Growth Potential       : 16       years to reach potential  
 Last Documented by    : RMZSYS on 06/05/91  
 Description  
 This library contains ipacific information on trees. If is used  
 by other files as a data Lookup resource.

## ATTRIBUTE DOCUMENTATION LIST

"MEL ID : SMS  
MODEL NAME : RMZ/UMA SITE MANAGEMENT SYSTEM

- 1     ASPECT  
      Owner                   : SMS\_STRIP.DB  
      Password (Read)        :  
      Password (Modify)     :  
      Type                    :  
      Length                  :  
      Decimal Places         :  
      Range                   :  
      Last Documented by    :  
      Description           :  
      The aspect code of the hillside where the slope is measured:  
          1 = North           5 = South  
          2 = Northeast       6 = Southwest  
          3 = East            7 = West  
          4 = Southeast       8 = Northwest  
                              9 = Level or rolling
  
- 2     AZIMUTH  
      Owner                   : SMS\_STRIP.DB  
      Password (Read)        :  
      Password (Modify)     :  
      Type                    :  
      Length                  :  
      Decimal Places         :  
      Range                   :  
      Last Documented by    :  
      Description           :  
      Azimuth in degrees from stake along centerline.
  
- 3     CANOPY\_COVERAGE VALUE  
      Owner                   : SMS\_SUBPLOT.DB  
      Password (Read)        :  
      Password (Modify)     :  
      Type                    :  
      Length                  :  
      Decimal Places         :  
      Range                   :  
      Last Documented by    :  
      Description           :  
      Percentage Of canopy cover closure over the center of the stream
  
- 4     CODE\_NAME  
      Owner                   : SMS\_VEG\_LIB1.DB  
      Password (Read)        :  
      Password (Modify)     :  
      Type                    :  
      Length                  :  
      Decimal Places         :  
      Range                   :  
      Last Documented by    :  
      Description           :  
      Five (5) digit alphanumeric name code. Refer to TFW Field Procedures Handbook.
  
- 5     CODE\_NUMBER  
      Owner                   : SMS\_VEG\_LIB1.DB  
      Password (Read)        :  
      Password (Modify)     :  
      Type                    :  
      Length                  :  
      Decimal Places         :  
      Range                   :  
      Last Documented by    :  
      Description           :  
      Tree species code identification number. Refer to the TFW Field Procedures Handbook.
  
- 6     COMMON\_NAME  
      Owner                   : SMS\_VEG\_LIB1.DB  
      Password (Read)        :  
      Password (Modify)     :  
      Type                    :  
      Length                  :  
      Decimal Places         :  
      Range                   :  
      Last Documented by    :  
      Description           :  
      Common name of vegetation sampled.

7      COVERAGE\_VALUE  
Owner                   : SMS\_COY\_LIB1.DB  
Passuord (Read)        :  
Password (Modify)      :  
Type                    : I  
Length                  : 2  
Decimal Places         : 0  
Range                   : 0 -  
Last Documented by     : SMS    an 17/ 6/91  
Description             :  
Coverage values & Midpoint Values:  
0 = 0.0%  
1 = 2.5%  
2 = 15.0%  
3 = 37.5%  
4 = 62.5%  
5 = 85.0%  
6 = 97.5

8      DIAMETER  
Owner                   : SMS\_LOD.DB  
Passuord (Read)        :  
Password (Mbdify)      :  
Type                    : X  
Length                  : 4  
Decimal Places         : 1  
Range                   :  
Last Documented by     : SMS    on 7/ 6/91  
Description             :  
Diameter in inches taken at the Larger end of the log

9      DIRECTION  
Owner                   : SMS\_STRIP.DB  
Passuord (Read)        :  
Passuord (Mbdify)      :  
Type                    : I  
Length                  : 3  
Decimal Places         : 0  
Range                   :  
Last Documented by     : RMZSYS on 16/ 8/90  
Description             :  
The direction in degrees of the stream where the strip  
centerline meets the water.

10     DW1\_COVERAGE\_VALUE  
owner                   : SMS\_SUBPLOT.DB  
Passuord (Read)        :  
Passuord (Modify)      :  
Type                    : I  
Length                  : 1  
Decimal Places         : 0  
Range                   : 1 - 6  
Last Documented by     : RMZSYS on 16/ 8/90  
Description             :  
See DS1\_COVERAGE\_VALUE.

11     DW1\_MIDPOINT  
Owner                   : SMS\_SUBPLOT.DB  
Passuord (Read)        :  
Password (Mbdify)      :  
Type                    : X  
Length                  : 4  
Decimal Places         : 1  
Range                   :  
Last Docwnted by      : RMZSYS on 16/ 8/90  
Description             :  
Percentage of coverage:

12     DW2\_COVERAGE\_VALUE  
Owner                   : SMS\_SUBPLOT.DB  
Password (Read)        :  
Passuord (Modify)      :  
Type                    : I  
Length                  : 1  
Decimal Places         : 0  
Range                   : 1 - 6  
Last Documented by     : RMZSYS on 16/ 8/90  
Description             :  
See DS1\_COVERAGE\_VALUE

13     DW2\_MIDPOINT  
Owner                   : SMS\_SUBPLOT.DB  
Passuord (Read)        :  
Passuord (Modify)      :  
Type                    : X

```

Length          : 4
Decimal Places  : 1
Range
Last Documented by : RMZSYS on 16, 8/90
Description
See DW1.

14 DW3_COVERAGE_VALUE
Owner          : SMS_SUBPLOT.DB
Password (Read) :
Password (Modify) :
Type          : 1
Length        : 1
Decimal Places : 0
Range        : 1 - 6
Last Documented by : RMZSYS on 16/ 8/90
Description
See DS1_COVERAGE_VALUE.

15 DW3_MIDPOINT
Owner          : SMS_SUBPLOT.DB
Password (Read) :
Password (Modify) :
Type          : X
Length        : 4
Decimal Places : 1
Range
Last Documented by : RMZSYS on 16/ 8/90
Description
See DW1.

16 EAST/WEST
Owner          : SMS_GENERAL.DB
Passuord      (Read) :
P a s s w o r d (Modify) :
Type          : A
Length        : 1
Decimal Places : 0
Range
Last Documented by : WAI on 7/12/90
Description
Indicates on which side of the state the site location:
    E = East
    W = West

17 ELEVATION
Owner          : SMS_GENERAL.DB
Password (Read) :
Password (Modify) :
Type          : I
Length        : 2
Decimal Places : 0
Range
Last Documented by : RMZSYS on 17/ 8/90
Description
The elevation at the midpoint of the rite to the nearest one
hundred (100) feet.

18 ENTRY_NUMBER
Owner          : SMS_LOD.DB
Password      (Read) :
P a s s w o r d (Modify) :
Type          : 1
Length        : 3
Decimal Places : 0
Range        : 1 999
Last Docwnted by : RMZSYS on 18/10/90
Description
The Line OR block count of the LOD entry on Card 1B. There are
66 entries per card. There may be multiples of Card 1b.

19 FINAL_SUBPLOT_LENGTH
Owner          : SMS_STRIP.DB
Password      (Read) :
P a s s w o r d (Modify) :
Type          : 1
Length        : 1
Decimal Places : 0
Range        : 0 - 9
Last Docwnted by : SMS on 7/ 6/91
Description
Horizontal length of the last subplot along center-line to the
nearest foot, if subplot length is Less than ten (10) feet.

```

20 FORBS\_COVERAGE\_VALUE  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 1  
 Decimal Places : 0  
 Range : 1 - 6  
 Last Documented by : SMS on 17/ 6/91  
 Description :  
 see DS1\_COVERAGE\_VALUE

21 FORBS\_MIDPOINT  
 Owner : SMS\_SUBPLOT.DB  
 Passuord (Read) :  
 Passuord (Modify) :  
 Type : X  
 Length : 4  
 Decimal Places : 1  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Percentage of forb coverage at ground level.

22 FPA\_HARVEST\_UNIT\_AREA  
 Owner : SMS\_GENERAL.DB  
 Passuord (Read) :  
 Passuord (Modify) :  
 Type : I  
 Length : 4  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 17/ 8/90  
 Description :  
 The recorded area in acres from the DNR FPA that has not been

23 FPA\_NUMBER  
 Owner : SMS\_GENERAL.DB  
 Passuord (Read) :  
 Passuord (Mbdify) :  
 Type : N  
 Length : 7  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 7/ 6/91  
 Description :  
 Forest Practices Application Number. Seven (7) digit number  
 issued by the Department of Natural Resources. The first two  
 (2) digits are the DNR Region Identifier.

24 FPA\_ ""A-AREA  
 Owner : SMS\_GENERAL.DB  
 Passuord (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 UMA area in acres as recorded an the DNR FPA.

25 GRADIENT  
 Owner :  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 2  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS an 12, 6/90

26 GRAMINOID\_COVERAGE\_VALUE  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Mbdify) :  
 Type : I  
 Length : 1  
 Decimal Places : 0  
 Range : 1 - 6  
 Last Documented by : RMZSYS an 16/ 8/90  
 Description :  
 See DS1\_COVERAGE\_VALUE.

27 GRAMINOID\_MIDPOINT  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : X  
 Length : 4  
 Decimal Places : 1  
 Range :  
 Last Documented by : RMZSYS 3" 16/ 8/90  
 Description  
 Percentage of graminoid coverage.

28 HS\_CLASS  
 Owner : SMS DOM H&S  
 Password (Read) :  
 Password (Modify) :  
 Type : N  
 Length : 3  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 17/ 6/91  
 Description  
 Dominant herb and shrub codes:  
 DH1 = Dominant Herb #1  
 DH2 = Dominant Herb #2  
 DS1 = Dominant shrub #1  
 DS2 = Dominant shrub #2

29 LENGTH\_ESTIMATED  
 Owner : SMS\_LOD.0  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 7/ 6/91  
 Description  
 Estimated Length to the nearest foot of LOD within the high water mark.

30 LENGTH\_MEASURED  
 Owner : SMS\_LOD .DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description  
 Length of log to nearest foot. Measure taken from larger end towards the narrower end of the log to where the diameter is four (4) inches.

31 LOD\_DISTANCE  
 Owner : SMS\_GENERAL.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description  
 Distance in feet in which the required number of LOD pieces were measured.

32 MIDPOINT  
 owner  
 Password (Read) :  
 Password (Modify) :  
 Type : X  
 Length : 4  
 Decimal Places : 1  
 Range :  
 Last Documented by : SMS a n 17/ 6/91  
 Description  
 Percentage of cover.



33 OGC\_COVERAGE\_VALUE  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : 1  
 Length : 1  
 Decimal Places : 0  
 Range : 1 -  
 Last Documented by : SMS on 17/ 6/91  
 Description :  
 See DS1\_COVERAGE\_VALUE.

34 OGC\_MIDPOINT  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : X  
 Length : 4  
 Decimal Places : 1  
 Range :  
 Last Documented by : SMS on 17/ 6/91  
 Description :  
 Percentage of OGC coverage.

35 OWNER\_CODE  
 Owner : SMS\_GENERAL.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : A  
 Length : 1  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Code indicates type of ownership:  
 I = Industrial  
 P = Private  
 S = state

36 RMZ\_LENGTH\_MEASURED  
 Owner : SMS\_GENERAL.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : 1  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 7/ 6/91  
 Description :  
 The total length measured in feet along the stream during strip  
 plot staking.

37 RMZ\_PLANT\_ASSOCIATION  
 Owner : SMS\_STRIP.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : A  
 Length : 14  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Riparian Zone plant association.

38 ROAD\_DISTANCE  
 Owner : SMS\_GENERAL.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : 1  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 7/ 6/91  
 Description :  
 The distance in feet to the nearest passable road calculated by  
 using the FPA map and map wheel.

39 ROCK\_COVERAGE\_VALUE  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : 1  
 Length : 1  
 Decimal Places : 0  
 Range : 1 - 6

Last Documented by : SMS on 17/ 6/91  
 Description :  
 See DS1\_COVERAGE\_VALUE

40 **ROCK\_MIDPOINT**  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Mbdify) :  
 Type : X  
 Length : 4  
 Decimal Places : 1  
 Range :  
 Last Documented by : RMZSYS on 1b, 8/90  
 Description :  
 Percentage of sack coverage.

41 **SCIENTIFIC-NM**  
 Owner : SMS\_VEG\_LIB1.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : A  
 Length : 40  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 17, 6/91  
 Description :  
 Scientific name of vegetation sample.

42 **SHRUB\_COVERAGE\_VALUE**  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 1  
 Decimal Places : 0  
 Range : 0 - 6  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 See DS1\_COVERAGE\_VALUE.

43 **SHRUB\_MIDPOINT**  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : X  
 Length : 4  
 Decimal Places : 1  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Percentage of shrub coverage at ground level.

44 **SITE\_NUMBER**  
 Owner : SMS\_GENERAL.DB  
 Password (Read) :  
 Password (Mbdify) :  
 Type : I  
 Length : 3  
 Decimal Places : 0  
 Range : 1 - 999  
 Last Documented by : SMS on 7/ 6/91  
 Description :  
 A unique three (3) digit number that indicate the sequential order in which an RMZ or UMA site was sampled.

45 **SITE\_TYPE**  
 Owner : SMS\_GENERAL.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : A  
 Length : 1  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 1b, 8/90  
 Description :  
 Alpha character code:  
 R = RMZ  
 U = UMA  
 L = Lake or other water body.

46 SITE\_WIDTH  
 Owner : SMS\_STRIP.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 3  
 Decimal Places : 0  
 Range : 0 - 999  
 Last Documented by : RMZSYS on 21, 8/90  
 Description :  
 The Riparian Zone width in feet along the strip center-line  
 between points of vegetation changes, i.e., wetland to upland.

47 SIZE-CLASS  
 Owner : SMS\_TREES  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 1  
 Decimal Places : 0  
 Range : 1 - 7  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Tree size class codes:

code	Diameter (Inches)
2	0 - 3.9
3	4 - 11.9
4	
5	16 - 15.9
6	
7	20 or larger

48 SLOPE  
 Owner : SMS\_STRIP.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 2  
 Decimal Places : 0  
 Range : 0 - 99  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Measured slope in percent from stake along steepest gradient.

49 SOIL\_COVERAGE\_VALUE  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 1  
 Decimal Places : 0  
 Range : 1 - 6  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 See DS1\_COVERAGE\_VALUE

50 SOIL\_MIDPOINT  
 Owner : SMS\_SUBPLOT.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : X  
 Length : 4  
 Decimal Places :  
 Range :  
 Last Documented by : SMS on 17/ 6/91  
 Description :  
 Percentage of soil coverage.

51 STREAM\_CANOPY  
 Owner : SMS\_STRIP.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 2  
 Decimal Places : 0  
 Range : 0 - 99  
 Last Documented by : RMZSYS on 16, 8/90  
 Description :  
 The percentage of canopy closure over the center of the stream

52 STREAM\_DEPTH  
 Owner : SMS\_STRIP.DB  
 Password (Read) :  
 Password (Modify) :

Type : X  
Length : 4  
Decimal Places : 1  
Range : 0 - 99.9  
Last Documented by : RMZSYS on 17/ 8/90  
Description :  
The measured height in feet from the bottom of the stream to the ordinary high-water mark.

53 STREAM\_NAME  
Owner : SMS\_GENERAL .DB  
Password (Read) :  
Password (Modify) :  
Type : A  
Length : 30  
Decimal Places : 0  
Range :  
Last Documented by : RMZSYS on 17/ 8/90  
Description :  
Name of any existing stream within the boundary of the sampled site.

54 STREAM\_WIDTH  
Owner : SMS\_STRIP.DB  
Password (Read) :  
Password (Modify) :  
Type : I  
Length : 3  
Decimal Places : 0  
Range : 0 - 999  
Last Documented by : RMZSYS on 16/ 8/90  
Description :  
The width in feet of the stream along the strip centerline.

55 STRIP\_NUMBER  
Owner : SMS\_STRIP.DB  
Password (Read) :  
Password (Modify) :  
Type : N  
Length : 3  
Decimal Places : 0  
Range :  
Last Documented by : RMZSYS on 16/ 8/90  
Description :  
Three (3) character code. First two digits indicate the sequential strip number within the site. The third character indicates the side of the stream (L = Left and R = right) on which the strip is located.

56 SUBPLOT NUMBER  
Owner : SMS\_SUBPLOT.DB  
Password (Read) :  
Password (Modify) :  
Type : I  
Length : 3  
Decimal Places : 0  
Range : 1 - 999  
Last Documented by : SMS on 17/6/91  
Description :  
Consecutively numbered subplot units along the strip center-line , beginning at the streambank or axis of UMA.

57 SUBSTRATE  
Owner : SMS\_GENERAL .DB  
Password (Read) :  
Password (Modify) :  
Type : A  
Length : 1  
Decimal Places : 0  
Range :  
Last Documented by : RMZSYS on 16, 8/90  
Description :  
The dominant substrate of the stream bed:  
B = Boulder/Bedrock  
G = Gravel/Cobble

58 TOPOSITE  
 Owner : SMS\_STRIP.DB  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 1  
 Decimal Places : 0  
 Range : 1 - 8  
 Last Documented by : RMZSYS on 17/ 8/90  
 Description :  
 A descriptive code of the sample plots with regard to water conc  
 entration or dispersion characteristics as indicated by the loca  
 l physiographic variations within the stand.  
 1 = Sharp Ridgetop                    2 = Flat Ridgetop  
 3 = Sidehill, upper 1/3               4 = Sidehill, middle 1/3  
 5 = Sidehill, Lower 1/3               6 = Canyon Bottom  
 7 = Bench or Terrace                  8 = Broad Flat

59 TOTAL\_LENGTH  
 Owner :  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 6  
 Decimal Places : 0  
 Range : 0 - 999  
 Last Documented by : SMS 0" 7/ 6/90

60 TOWN/RANGE/SECTION  
 Owner : SMS\_GENERAL.DB  
 Passuord (Read) :  
 Passuord (Modify) :  
 Type : N  
 Length : 12  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 16/ 8/90  
 Description :  
 Legal Location description consisting of Township/Range/Section.

61 TREE\_CLASS  
 Owner : SMS\_TREES.DB  
 Passuord (Read) :  
 Password (Modify) :  
 Type :  
 Length : 1  
 Decimal Places : 0  
 Range :  
 Last Documented by : RMZSYS on 21/ 8/90  
 Description :  
 Used to describe the physical condition of each sampled tree.  
 1 = Live free?, undamaged  
 2 = Snag Type 1 - Recent dead  
 3 = snag Type 2 - Live tree, 1/3 to 112 of the top  
    broken out  
 4 = Snag Type 3 - Live tree, dead tap  
 5 = Snag Type 4 - Older dead, bark tight  
 6 = Snag Type 5 - Older dead, no bark  
 S = Stump, greater than 5 years old  
 R = Stump, less than 5 years old

62 TREE COUNT  
 owner : SMS\_TREES.DB  
 Password (Read) :  
 Passuord (Modify) :  
 Type : I  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : SMS on 7/ 6/91  
 Description :  
 Number of trees or stumps an the strip for an indicated size  
 class.

63 "HA\_AREA\_MEASURED  
 Owner : SMS\_GENERAL.D  
 Password (Read) :  
 Password (Modify) :  
 Type : I  
 Length : 5  
 Decimal Places : 0  
 Range :  
 Last Documented by : SHS on 7/ 6/91  
 Description :  
 Actual UMA area in acres measured at site.

64      UMA\_LENGTH\_MEASURED  
Owner                : SMS\_GENERAL.DB  
Password (Read)     :  
Password (Modify)  :  
Type                 : 1  
Length              : 5  
Decimal Places     : 0  
Range               :  
Last Documented by : SMS        on 7/ 6/91  
Description        :  
Total length in feet of UMA sampled.  
Length = (number of strips - 1) \* 250

65      UMA TYPE  
owner                : SMS\_GENERAL.DB  
Password (Read)     :  
Passuord (Modify)  :  
Type                 : A  
Length              : 2  
Decimal Places     : 0  
Range               :  
Last Documented by : RHZSYS   on 16/ 8/90  
Description        :  
Indicates UMA type:  
  B = Bog  
  FW = Forested Wetland  
  UF = Upland Forest

66      UPLAND\_PLANT\_ASSOCIATION  
Owner                : SMS\_STRIP.DB  
Password (Read)     :  
Password (Modify)  :  
Type                 : A  
Length              : 14  
Decimal Places     : 0  
Range               :  
Last Documented by : SMS        on 7/ 6/91  
Description        :  
Upland plant association.

67      VEGETATION\_TYPE  
Owner                : SMS\_VEG\_LIB1.DB  
Password (Read)     :  
Password (Modify)  :  
Type                 : A  
Length              : 2  
Decimal Places     : 0  
Range               :  
Last Documented by : SMS        on 17/ 6/91  
Description        :  
Vegetation Type Codes:  
  H = Herb  
  S = Shrub  
  TU = Tree - Unknown  
  TC = Tree - Conifer  
  TH = Tree - Hardwood

68      WATER\_COVERAGE\_VALUE  
Owner                : SMS\_SUBPLOT.DB  
Password (Read)     :  
Passuord (Modify)  :  
Type                 : 1  
Length              : 1  
Decimal Places     : 0  
Range               : 1 - 6  
Last Documented by : RHZSYS   on 16/ 8/90  
Description        :  
See DS1\_COVERAGE\_VALUE.

69      WATER\_MIDPOINT  
Owner                : SMS\_SUBPLOT.DB  
Password (Read)     :  
Password (Modify)  :  
Type                 : X  
Length              : 4  
Decimal Places     : 1  
Range               :  
Last Documented by : RHZSYS   on 16/ 8/90  
Description        :  
Percentage of water coverage.

70 WATER\_TYPE  
Owner : SMS\_GENERAL.DB  
Password (Read) :  
Password (Modify) :  
Type : I  
Length : 1  
Decimal Places : 0  
Range :  
Last Documented by : RMZSYS on 16/ 8/90  
Description :  
Classification code indicates water type:  
1 =  
2 =  
3 =  
Description

**Section 3**

**Application Revision History**





## Application Revision History

<u>Version Number</u>	<u>Changes</u>
ALPHA.08.90.01.00	Converted free-standing Smart Data Manager 3.01 data base files to Paradox 3.0 data tables and developed prototype PAL application.
08.90.01 .01	Refined data tables and table relationships. Redesigned application interface. Added FIPS county code table and Herb & Shrub code libraries for added data entry error trapping.
08.90.02.00/OS	<p>Converted data tables and PAL application to Paradox 3.5. Added report generation module. Embedded queries and menu splash screens in PAL procedures to reduce the overall number of files and to speed up application operation.</p> <p>The OS version is packaged with Paradox 3.5 Runtime for distribution to other clients. The Add and Edit functions have been disabled in this version.</p>

## **Section 4**

# **Physical Data Base File Structures**

## Physical Data Base File Structures

### Field Type Descriptors

```

-----
A# - Alphanumeric
S - Short Integer (#####)
N - Numeric (15 significant digits)
D - Date
  - Denotes Key
  
```

#### General.db

Field Name	field Type
Site Number	S*
Site Type	A1
Water Type	S
Substrate	A1
East/West	A.1
UMA Type	A.2
Rdate	D
FPA Number	A.7
Owner Code	A.3
Town/Range/Section	A1.2
Elevation	S
Stream Name	A.3.0
FPA Harvest Unit Area	N
LOD Distance	S
LOD Pieces	S
RMZ Length Measured	S
FPA "MA Area	N
Road Distance	S
"MA Length Measured	S
Site Area Measured	N

#### Lod.db

Field Name	Field Type
site Number	S*
Site Type	A1*
Water Type	S*
Substrate	A1*
East/West	A1'
"MA Type	A2*
Entry Number	S*
Vegetation Type	A.2
Length Measured	S
Length Estimated	S
Total Length	S
Diameter	S

#### Strip.db

Field Name	Field Type
Site Number	S*
Site Type	A1*
Water Type	S*
Substrate	A1'
East/West	A1*
UMA Type	A2*
Strip Number	A3*
Direction	S
stream Canopy	S
Stream Width	S
Stream Depth	N
Gradient	S
Site Width	S
Azimuth	S
Slope	S
Aspect	S
Toposite	S
RMZ Plant Association	A1.4
Upland Plant Association	A1.4
Final Subplot Length	S

## Trees.db

Field Name	Field Type
site Number	S*
Site Type	A1*
Water Type	S*
Substrate	A1*
East/West	A1*
"A Type	A2*
strip Number	A3*
Entry Number	S*
Tree Class	A2*
Size Class	S*
Code Number	S*
Vegetation Type	A2
Common Name	A30
Tree Count	S

## Subplot.db

Field Name	Field Type
Site Number	S*
Site Type	A1*
Water Type	S*
Substrate	A1*
East/West	A1*
"HA Type	A2*
strip Number	A3*
Subplot Number	S*
canopy coverage Value	S
Shrub Coverage Value	S
Shrub Midpoint	N
Forbs Coverage Value	S
Forbs Midpoint	N
Graminoid Coverage Value	S
Graminoid Midpoint	N
DW1 Coverage Value	S
DW1 Midpoint	N
DW2 Coverage Value	S
DW2 Midpoint	N
DW3 Coverage Value	S
DW3 Midpoint	N
Water coverage Value	S
Water Midpoint	N
Rock Coverage Value	S
Rock Midpoint	N
Soil Coverage Value	S
Soil Midpoint	N
OGC Coverage Value	S
OGC Midpoint	N

## Dom\_S&amp;H.db

Field Name	Field Type
site Number	S*
strip Number	A3*
Subplot Number	S*
Class	A3*
Code Name	A5
Vegetation Type	A1
Common Name	A30
Coverage Value	S
Midpoint	N

## Veg\_lib1.db

Field Name	Field Type
Code Name	A5*
Vegetation Type	A1
Common Name	A30
Scientific Name	A40

Veg\_lib2.db

Field Name	Field Type
Code Number	S*
Vegetation Type	A2
Common Name	A30
scientific Name	A40

Cov\_lib1.db

Field Name	Field Type
coverage Value	S*
Midpoint	N

**Section 5**

**Operating Requirements  
Installation**



## Operating Requirements

### Minimum Hardware

IBM PC/AT or compatible 80286  
1 Mb RAM (640K System RAM + 384 Extended)  
15Mb available hard disk space  
1.2 Mb Diskette drive  
CGA Adapter & Monitor  
Epson FX-100 or compatible

### Minimum Software

PC/MS-DOS 3.1

### Optimum Hardware

80386 CPU  
4Mb RAM (640K System RAM + 3456 Extended)  
20Mb available hard disk space  
1 .44Mb Diskette drive  
VGA Adapter & Monitor  
Epson FX-100 or compatible

### Optimal Software

PC/MS-DOS 4.01 or later

### Application Software

The RMZ/UMA Site Management Information System (SMS) is provided as a complete, self contained application. All executable programs, data bases, and other system files, other than those aforementioned, are provided on the installations diskettes.

### Performance Considerations

It may be possible to install and run SMS on an 8086 CPU (XI class PC), however, the size and number of the un-compressed system files may make this impractical. 80286 CPU's do offer a significant increase in overall system performance but report generation is somewhat slow. Disk space availability is also crucial. SMS requires approximately 12Mb for storage and a minimum of 3Mb of disk space for creating temporary work and page files. Within limits, if your total system RAM is 1 Mb or less, the application will use any available disk space for dynamic memory paging.

80386 and 80386SX CPU's with 4Mb RAM and relatively fast hard disks (<25ms access times) have provided the best performance. Additional RAM has not significantly improved performance.

VGA adapters and monitors provide excellent screen refresh rates. VGA adapters with on-board video RAM pre-process the screens and do not impact system RAM for screen handling.

All reports are preconfigured to print on Epson FX-100 dot matrix or compatible printers. Due to the wide range of printers available, it was chosen because it is the most commonly supported.

## Installation

The RMZ/UMA SMS media package consists of the following manuals and diskettes:

SMS User Reference Manual  
SMS Technical Reference Manual  
SMS Installation 1 Diskette  
SMS/Paradox Program 1 Diskette

• \* Note • \* *This application is supplied on 5 1/4" of 3 1/2" high density diskettes. Certain assumptions have been made with regard to diskette size/capacity formats and incompatibilities between PC/MS DOS versions. These assumptions are;*

1 - 3 1/2" diskette drives are usually configured as drive B:

2 - Most newer laptops have one 3 1/2" high density diskette drive that can be A: or 8:  
For installation OR a lap-top the default is set to drive B:.

3 - Most persona/ computers have PC/MS DOS 3.1 or later installed and can support at least one high density diskette format.

Do not **attemp** to install this application on persona/ computers that have pre-DOS 3.0 versions.

### PC/MS-DOS 3.xx Installation (5 1/4" Diskettes)

- 1 • Place the SMS Installation 1 diskette in drive A: and engage the drive latch.
- 2 • Make A: the default drive by typing A: and pressing Enter.
- 3 -At the A:\> prompt, type INSTALL3 C: and **press** Enter. • \*
- 4 • Follow the directions displayed on the monitor to continue installation.
- 5 • When prompted, place the SMS/Paradox diskette in drive A:.
- 6 -When installation is complete, store the diskenes in a safe place.

### PC/MS-DOS 4.xx Installation (5 1/4" Diskettes)

- 1 - Place the SMS Installation 1 diskette in drive A: and engage the drive latch.
- 2 • Make A: the default drive by typing A: and pressing Enter.
- 3 At the A:\> prompt, type INSTALL4 C: and press Enter. \*\*
- 4 • Follow the directions displayed on the monitor to continue installation.
- 5 -When installation is complete, store the diskettes in a safe place.

\*\* You may *install* this application on a **variety** of hard disks, however, you must specify the disk. For instance, if you **want** to install *the* application on a 20Mb Bernoulli drive *that* is configure as drive F: and you are using MS-DOS 3.1, you would type:



install3 f:

*then depress Enter.*

Installation for systems with 3 1/2" diskette drives are the same as those illustrated above with the exception that drive **B:** is the default diskette drive.

***This is a single-user application. Although it may be installed on a network drive, it is not configured for multi-user access.***

For a complete listing of the installation files, refer to the **Support Programs** section of this manual.

## **Section 6**

# **Application Procedures List**

Procedure	Size
Main	41174
Gen_enter	5061
Strip_enter	4933
Subplot_enter	4937
GetGenNum	1749
EditGenByNum	3684
GetStrpNum	1747
EditStrpbyNum	3684
GetSpotNum	1749
EditSpotByNum	3688
GetV1CodeName	1709
EditV1ByName	3030
GetV2CodeNum	1706
EditV2ByNum	3021
GetTbl	480
ViewTbls	2088
ViewTblsMenu	2029
ReptMenu	18753
GenRept1	1464
GenRept2	1464
GenRept3	1380
GenRept4	1380
LODRept1	1135
LODRept2	1135
StripRept1	1584
StripRept2	1584
StripRept3	1621
StripRept4	1621
TreeRept1	890
TreeRept2	987
TreeRept3	962
TreeRept4	962
TreeRept5	1006
TreeRept6	1173
TreeRept7	905
SubplotRept1	2330
SubplotRept2	2330
SubplotRept3	2437
SubplotRept4	2437
DomSHRept1	1321
DomSHRept2	1321
DomSHRept3	1378
DomSHRept4	1378
HardCopy	2642
RqdRulesGen	672
RqdRulesLOD	591
RqdRulesStrip	452
RqdRulesTrees	824
RqdRulesSpot	627
RqdRulesDSH	305
GenValChecks	964
StrpValChecks	11172
SpotValChecks	1074
Siteg	1437
Splash	1057
Splash2	1152
Splash3	1152
Splash4	962
R_Splash1	1247
R_Splash2	1057
R_Splash3	867
R_Splash4	1057
R_Splash5	1342
R_Splash6	1057
R_Splash7	1057
MakeRec	473
KillRec	745
FldBlank	527

## **Section 7**

# **Application Program Listing**

Roosevelt McKenzie  
Data Administrator  
Washington Department of Wildlife  
600 Capitol Way North  
ns: GJ-11  
Olympia, WA 98501-1091  
(206) 753-5723

```
; SiteMake  
; This script creates the SITE program (SITEPROG.LIB) library.
```

```
CURSOR OFF  
CLEAR  
MESSAGE "Creating SiteProg library, Please wait..."  
CANVAS OFF
```

```
Run NoRefresh "del *.lib >nul"
```

```
CREATELIB "SiteProg" SIZE 70
```

```
PLAY "SiteMenu"
```

```
PLAY "SMS1Entr"
```

```
PLAY "SMS2Entr"
```

```
PLAY "SMS3Entr"
```

```
PLAY "SMS1Edit"
```

```
PLAY "SMS2Edit"
```

```
PLAY "SMS3Edit"
```

```
PLAY "Veg1Edit"
```

```
PLAY "Veg2Edit"
```

```
PLAY "SiteView"
```

```
PLAY "ReptMenu"
```

```
PLAY "ReptQury"
```

```
PLAY "SMS1Vald"
```

```
PLAY "SMS2Vald"
```

```
PLAY "SMS3Vald"
```

```
PLAY "SMS1Vlck"
```

```
PLAY "SMS2Vlck"
```

```
PLAY "SMS3Vlck"
```

```
PLAY "SiteSupp"
```

```
; List the contents of the library  
INFOLIB "SiteProg"  
QUIT "SiteProg library created, contents listed above"
```

---

```
; Start.sc  
; RMZ/UMA Site Management Information System Start-up script.
```

```
CLEAR  
CLEARALL  
autolib = "SiteProg"  
Main()  
RELEASE VARS ALL  
EXIT
```

```

Roosevelt McKenzie
Data Administrator
Washington Department of Wildlife
600 Capitol Way North
; MS.. GJ-11
; Olympia, WA 98501-1091
; (206) 753-5723

```

```

SiteMenu.sc
; SMS Main Menu Program

```

```

Proc Closed Main()
; Put up the greeting screen
@ 2.0

```

```

Autolib = "SiteProg"

```

```

Siteg()

```

```

  While True

```

```

    Reset Clear
    ClearAll
    Canvas 0"

```

```

    Play "SMSplash" ; Main menu splash screen
    Autolib = "SiteProg"
    Splash10

```

```

    ShowMenu

```

```

      "Add": "Add records to selected tables",
      "View": "View a table",
      "Edit": "Edit records in selected tables",
      "Report": "GO to the Reports Hen",
      "Leave": "Leave the system"

```

```

    to sel

```

```

    Switch

```

```

      case sel = "Add" :

```

```

        Autolib = "SiteProg"
        Splash4()
        ShowMenu

```

```

          "Gen" : "Enter General and LOD records",
          "Strp" : "Enter Strip and Tree records",
          "Splot" : "Enter Subplot and Dominant Herb & Shrub records",
          "Return" : "Go back to the Main Menu"

```

```

        TO addsel
        Switch

```

```

          Case addsel = "Gen" :
            Autolib = "SiteProg"
            Gen_enter()
          case addsel = "Strp" :
            Autolib = "SiteProg"
            Strip_enter()
          case addsel = "Splot" :
            Autolib = "SiteProg"
            Subplot_enter()
          Otherwise: Loop

```

```

        EndSwitch

```

```

      case sel = "View" :
        Autolib = "SiteProg"
        GetTbl()

```

```

      case sel = "Edit" :
        Autolib = "SiteProg"
        Splash3()
        ShowMenu

```

```

          "Gen" : "Edit General and LOD records",
          "Strp" : "Edit Strip and Tree records",
          "Splot" : "Edit Subplot and Dominant Herb & Shrub records",
          "Veg1" : "Edit Shrub and Herb Lookup Library",
          "Veg2" : "Edit Tree Lookup library",
          "Return" : "Go back to the Main Menu"

```

```

        To edsel
        Switch

```

```

          Case edsel = "Gen" :
            Autolib = "SiteProg"
            EditGenByNum()
          case edsel = "Strp" :
            Autolib = "SiteProg"
            EditStrpbyNum()
          Case edsel = "Splot" :
            Autolib = "SiteProg"
            EditSplotByNum()
          case edsel = "Veg1" :
            Autolib = "SiteProg"
            EditV1ByName()

```

```

        Case edsel = "Veg2"
            Autolib = "SiteProg"
            EditV2ByNum()
        Otherwise: Loop
    EndSwitch
case sel = "Report"; Run Report Menu
    Autolib = "SiteProg"
    ReptMenu()
case sel = "Help" : ""; not defined
case sel = "Leave" :
    ShowMenu
        "Leave": "Leave the system",
        "Return": "Go back to the Main Menu"
    to subsel

    Switch
        case subsel = "Leave":
            QuitLoop
        Otherwise: Loop
    EndSwitch
    OtherWise:Loop
EndSwitch

EndWhile
EndProc

Writelib "SITEPROG" Main
Release Procs Main

```

---



---

```

; SMS1ENTR.SC
;
; Roosevelt McKenzie
; Data Administrator
; Washington Department of Wildlife
; 600 Capitol Way North
; MS; GJ-11
; Olympia, WA 98501-1091
; (206) 753-5723
*****
; * Gen enter Procedure *
*****
;
; This script contains the procedure for entering data into a multitable form
; for the following two tables:
;   General = Master table
;   LOD     = One-to-Many relationship
;
; ValChecks are augmented with PAL to ensure the required fields are entered,
; relational comparisons between fields are validated, and the defaults are
; entered into a field if they are left blank. These checks are made before
; a user can move off the record.
PROC Gen_enter()
  CLEAR
  CURSOR OFF
  MESSAGE "Loading form, Please wait"
  CANVAS OFF
  IF IEMPTY("General") THEN
    sitio = 1
  ELSE
    sitio = CMAX("General","Site Number") + 1
  ENDIF
  MENU {Modify} {DataEntry} {General}
  {Image} {Pickform} {F}
  [Site Number] = sitio
  sitio = sitio + 1
  msg = ""
  CANVAS ON
  WHILE True
    IF NOT ISBLANK(msg) THEN
      BEEP SLEEP 100 BEEP SLEEP 100 BEEP
    ENDIF
    WAIT RECORD
    PROMPT "ADD RECORDS [Alt] [F2]-Save/Exit [Esc]-Cancel [F3]-General [F4]-Loo",
           "[PgDn]-New Record [PgUp]-Previous Record"
    MESSAGE msg
    UNTIL "F3" "F4" "Esc" "PgDn" "PgUp" "End" "Home" "-105" "15" "-24"
           "15,-24"
    retkey = retval
    msg = ""
    tblname = TABLE()
    IF retkey <> "Esc" THEN
      retrocval = GenValChecks(tblname)
      IF NOT retrocval THEN
        LOOP
      ENDIF
    ELSE
      SHOWMENU
      "No" : "Return to Data entry",
      "Yes" : "Cancel data entry session"
      TO canceloption
      IF canceloption = "Yes" THEN
        CLEAR
        MESSAGE "Data entry cancelled"
        CANVAS OFF
        CANCELEDIT
        QUITLOOP
      ENDIF
      LOOP
    ENDIF
    SWITCH
    CASE retkey = -105 :
      CLEAR
      MESSAGE "Saving data, Please wait"
      GO IT!
      QUITLOOP
    CASE retkey = "F3" : MOVETO "Entry" LOOP
    CASE retkey = "F4" : MOVETO "Entry1" LOOP

```



```

CASE retkey = "PgDn" :
  SWITCH
    CASE tblname = "Entry" :
      MOVETO "Entry" ; Moveto general table.
      PgDn ; Moveto next general record.
      IF ISBLANK([Site Number]) THEN ; If this is a new record
        [Site Number] = siteno ; set the site number.
        siteno = siteno + 1 ; Increment site counter.
      ENDIF
    CASE tblname = "Entry1" :
      DOWN CtrlHome ; Moveto next record in
      ; LOD table
    ENDSWITCH
CASE retkey = "PgUp" :
  IF ATFIRST() THEN ; If on the first record
    BEEP ; beep and don't move
    LOOP
  ENDIF
  SWITCH
    CASE tblname = "Entry" :
      MOVETO "Entry" ; Move to general table.
      SKIP -1 ; Moveto previous general
      ; record.
    CASE tblname = "Entry1" :
      SKIP -1 ; Move to previous record in
      ; lod table
    ENDSWITCH
  LOOP
OTHERWISE:
  IF retkey = 15 OR retkey = -24 THEN ; Beep if Alt or Ctrl O
    BEEP ; is pressed.
  ELSE
    KEYPRESS retkey ; Accept the pressed key.
  ENDIF
ENDSWITCH
ENDWHILE
CLEARALL

ENDPROC

WRITELIB "SiteProg" Gen enter
RELEASE PROCS Gen_enter

```

---

```

; SMS2ENTR.SC
;
; Roosevelt McKenzie
; Data Administrator
; Washington Department of Wildlife
; 600 Capitol Way North
; MS: GJ-11
; Olympia, WA 98501-1091
; (206) 753-5723
;
; *****
; * Strip Enter Procedure *
; *****
;
; This script contains the procedure for entering data into a multitable form
; for the following three tables:
; Strip - Master table
; Tree - One-to-Many relationship
; ValChecks are augmented with PAL to ensure the required fields are entered,
; relational comparisons between fields are validated, and the defaults are
; entered into a field if they are left blank. These checks are made before
; a user can MOVE off the record.

PROC Strip_enter()
  CLEAR
  CURSOR OFF ; Place informational message
  MESSAGE "Loading form Please wait" ; on the screen while form is
  ; loading.
  IF ISEMPY("Strip") THEN ; If the table is empty, set
    siteno = 1 ; the site counter to 1
  ELSE ; otherwise get the site number
    CLEAR ; from the user.
    @5,0 ?? "Enter Site Number for new Strip and press RETURN (\17\217):"
    STYLE REVERSE
    ACCEPT "S" MIN 1 MAX 999999 TO siteno
  ENDIF

  MENU {Modify} {DataEntry} {Strip}
  {Image} {Pickform} {F}
  [Site Number] = siteno
  msg = ""

```

```

CANVAS ON ; Need to turn canvas on!
WHILE True
  IF NOT ISBLANK(msg) THEN ; If there is a message sound
    BEEP SLEEP 100 BEEP SLEEP 100 BEEP ; the system bell.
  ENDF
  WAIT RECORD
  PROMPT "ADD RECORDS [Alt][F2]-Save/Exit [Esc]-Cancel [F3]-Strip [F4]-Trees",
        "[PgDn]-New Record [PgUp]-Previous Record"
  MESSAGE msg
  UNTIL "F3","F4","Esc","PgDn","PgUp","End","Home",-105, ; Keystroke codes
        15,-24 ; 15=Ctrl O, -105=Alt F2
        ; -24=Alt O

  retkey = retval ; Save the key pressed
  msg = "" ; Blank message variable
  tblname = TABLE()
  IF retkey <> "Esc" THEN ; If any key except ESC is
    retprocval = StripValChecks(tblname) ; pressed, check it data is
    ; valid.
    IF NOT retprocval THEN ; If the proc returns False
      LOOP ; the data did NOT pass the
    ; validation rule therefore da
  ENDF ; not process the key pressed.
ELSE
  SHOWMENU
  "No" : "Return to Data entry",
  "Yes" : "Cancel data entry session"
  TO canceloption
  IF canceloption = "Yes" THEN
    CLEAR
    MESSAGE "Data entry cancelled"
    CANVAS OFF
    CANCELED,
    QUITLOOP
  ENDF
  LOOP
ENDIF

SWITCH
CASE retkey = -105 : ; Alt F2 depressed save
  CLEAR ; records.
  MESSAGE "Saving data, Please wait"
  DO IT!
  QUITLOOP
CASE retkey = "F3" : MOVETO "Entry" LOOP ; Moveto strip Table
CASE retkey = "F4" : MOVETO "Entry1" LOOP ; Moveto trees Table
CASE retkey = "PgDn" :
  SWITCH
  CASE tblname = "Entry" :
    MOVETO "Entry" ; Moveto strip table.
    ; Moveto next strip record
    ; Moveto next record in
    ; trees table
  CASE tblname = "Entry1" :
    DOWN CtrlHome
  ENDSWITCH
CASE retkey = "PgUp" :
  IF ATFIRST() THEN
    BEEP
    LOOP
  ENDF
  SWITCH
  CASE tblname = "Entry" :
    MOVETO "Entry" ; move to strip table.
    SKIP -1 ; Moveto previous strip
    ; record.
  CASE tblname = "Entry1" :
    SKIP -1 ; Move to previous record in
    ; trees table
  ENDSWITCH
  LOOP
OTHERWISE:
  IF retkey = 15 OR retkey = -24 THEN ; seep if Alt or Ctrl O
    BEEP ; is pressed
  ELSE
    KEYPRESS retkey
  ENDF
ENDSWITCH
ENDWHILE
CLEARALL

ENDPROC

WRITELIB "SiteProg" Strip-enter
RELEASE PROCS Strip-enter

```

; SMS3ENTR.SC

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; \*\*\*\*\*  
; \* Subplot Enter Procedure  
; \*\*\*\*\*

; This script contains the procedure for entering data into a multitable form  
; for the following three tables:  
; Subplot Master table  
; Dom\_S&H - One-to-Many relationship  
; ValChecks are augmented with PAL to ensure the required fields are entered,  
; relational comparisons between fields are validated, and the defaults are  
; entered into a field if they are Left blank. These checks are made before  
; a user can move off the record.

PROC Subplot\_enter()

```
CLEAR
CURSOR OFF
MESSAGE "Loading form, Please wait"
; Place informational message
; on the screen while form is
; loading.
IF ISEMPY("Subplot") THEN
; If the table is empty, set
; the site counter to 1
siteno = 1
ELSE
; otherwise get the site number
; from the user.
@5,0 ?? "Enter Site Number for new Subplot and press RETURN (\17\217): "
STYLE REVERSE
ACCEPT "S" MIN 1 MAX 999999 TO siteno
ENDIF

MENU {Modify} {DataEntry} {Subplot}
{Image} {Pickform} {F}
{Site Number} = siteno
msg = ""
CANVAS ON
; Need t o turn canvas on!
WHILE True
IF NOT ISBLANK(msg) THEN
; If there is a message sound
; the system bell
BEEP SLEEP 100 BEEP SLEEP 100 BEEP
ENDIF
WAIT RECORD
PROMPT "ADO RECORDS [Alt][F2]-Save/Exit [Esc]-Cancel [F3]-Strip [F4]-Trees",
"[PgDn]-New Record [PgUp]-Previous Record"
MESSAGE msg
UNTIL "F3","F4","Esc","PgDn","PgUp","End","Home",-105,
; Keystroke codes
; 15=Ctrl 0 , -105=Alt F2
; 15,-24 ; -24=Alt 0
retkey = retval
; Save the key pressed
msg = ""
; Blank message variable
tblname = TABLE()
IF retkey <> "Esc" THEN
; If any key except Esc is
; pressed, check if data is
; valid.
retprocval = SplotValChecks(tblname)
IF NOT retprocval THEN
; If the proc returns False
; the data did not pass the
; validation rule therefore do
; not process the key pressed.
LOOP
ENDIF
ELSE
SHOWMENU
"no" : "Return to Data entry",
"yes" : "Cancel data entry session"
TO canceloption
IF canceloption = "yes" THEN
CLEAR
MESSAGE "Data entry cancelled"
CANVAS OFF
CANCELEDIT
QUITLOOP
ENDIF
LOOP
ENDIF
SWITCH
CASE retkey = -105 :
; Alt F2 depressed - save
; records.
CLEAR
MESSAGE "Saving data, Please wait"
OO_IT!
QUITLOOP
CASE retkey = "F3" : MOVETO "Entry" LOOP
; Moveto subplot Table
CASE retkey = "F4" : MOVETO "Entry1" LOOP
; Moveto doms&h Table
CASE retkey = "PgDn"
```

```

SWITCH
CASE tblname = "Entry" :
    MOVETO "Entry" ; Moveto subplot table.
    PgDn ; Moveto next subplot record
CASE tblname = "Entry1" : ; Moveto next record in
    DOWN CtrlHome ; doms&h table
ENDSWITCH
CASE retkey = "PgUp" :
    IF ATFIRST() THEN
        BEEP
        LOOP
    ENDIF
    SWITCH
    CASE tblname = "Entry" :
        MOVETO "Entry" ; move to strip table.
        SKIP -1 ; Moveto previous subplot
        ; record.
    CASE tblname = "Entry1" :
        ; Move to previous record in
        SKIP -1 ; doms&h table
    ENDSWITCH
    LOOP
OTHERWISE:
    IF retkey = 15 OR retkey = -24 THEY ; Beep if Alt or Ctrl O
        BEEP ; is pressed
    ELSE
        KEYPRESS retkey
    ENDIF
ENDSWITCH
ENDWHILE
CLEARALL

ENDPROC

WRITELIB "SiteProg" Subplot_enter
RELEASE PROCS Subplot_enter

```



```

;SMS1EDIT.SC
;
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;   Washington Department of Wildlife
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;   MS: GJ-11
;   Olympia, WA 98501-1091
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;
; This script contains the procedures for editing data in a multitable form
; for the following two tables:
;   General * Master table
;   LOD     One-to-Many relationship
;
; Although new LOD records may be entered, no provision is made for error or
; validity checking (see SMS#VALD.SC and SMS#VLCK.SC).

PROC GetGenNum()
PRIVATE sitenum
CLEAR
sitenum = 0

@ 5,0 ?? "Enter Site Number or Press ENTER (\17\217) and select site to edit: "
STYLE REVERSE
ACCEPT "S" Min 1 Max 999999 TO sitenum
STYLE
IF retval = False THEN
RETURN False
ELSE
IF ISBLANK(sitenum) THEN
MOVETO "General"
WHILE True
WAIT TABLE
PROMPT "Move cursor to Site to select",
      "[F2]-Select [Esc]-Cancel"
UNTIL "F2","Esc","DOS","DOSBIG","ZOOM","ZOOMNEXT"
SWITCH
CASE retval = "F2" : sitenum = [Site Number] QUITLOOP
CASE retval = "Esc" : sitenum = False QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
ENDIF
RETURN sitenum
ENDPROC

WriteLib "SiteProg" GetGenNum
Release Procs GetGenNum

PROC EditGenByNum()
PRIVATE sitenum, anyrcdflag

; Private variables:
; sitenum * site number to edit
; anyrcdflag * flag to indicate if any records were found in scan

VIEW "General"
sitenum = GetGenNum() ; Get number of site to edit
CLEAR
IF sitenum = False THEN ; If no site selected
MESSAGE "No RMZ/UMA site selected"
SLEEP 3000
ELSE
MESSAGE "selecting records for Site number ",sitenum,", please wait..."
COED, "General"
MENU {Image} {PickForm} {F}
anyrcdflag = 1
SCAN FOR Kite Number] = sitenum
anyrcdflag = 0 ; Set flag to indicate at least
WHILE True one record exists
WAIT RECORD
PROMPT "Edit record [Alt][F2]-Save/Exit [F3]-Next Table [F9]-Insert Record",
      "[PgDn]-Next Record [PgUp]-Previous Record [Del]-Delete Record"
UNTIL "F3","PgDn","PgUp",-105,"DOS","DOSBIG","ZOOM","ZOOMNEXT","F9","Del"

SWITCH
CASE retval = "F3" : DOWNIMAGE LOOP
CASE retval = "F9" : ; Insert new record
SWITCH
CASE TABLE() = "Lod" :
MakeRec()
LOOP
ENDSWITCH

```

```

CASE retval = "Del" : ; Delete existing record
SWITCH
CASE TABLE() = "Lod" :
KillRec()
LOOP
ENDSWITCH
CASE retval = "PgUp" :
SWITCH
CASE TABLE() = "Lod" : SKIP -1 LOOP
ENDSWITCH
CASE retval = "PgDn" :
SWITCH
CASE TABLE() = "Lod" :SKIP 1 LOOP
ENDSWITCH
CASE retval = -105 : QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
IF retval = -105 THEN
QUITLOOP
ENDIF
ENDSCAN
IF anyrcdflag = 1 THEN ; If no records matched sitenum
MESSAGE "No records for Site Number ",sitenum, "."
ELSE
MESSAGE "Editing complete"
ENDIF
SLEEP 3000
DO IT!
ENDIF
ENDPROC

WriteLib "SiteProg" EditGenByNum
Release Procs EditGenByNum

```

---



---

```

; SMS2Edit.SC

```

```

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```

```

; This script contains the procedures far editing records in a multitabled form
; for the following two tables:
Strip - Master
Trees One-to-hny relationship
; Although new tree records may be entered, no provision is made for error or
; validity checking (see SMS#VALD.SC and SMS#VLCK.SC).

```

```

PROC GetStrpNum()
PRIVATE sitenum
CLEAR
sitenum = 0

@ 5,0 ?? "Enter Site Number or Press ENTER (\17\217) and select Site to edit: "
STYLE REVERSE
ACCEPT "S" Min 1 Max 999999 TO sitenum
STYLE
IF retval = False THEN
RETURN False
ELSE
IF ISBLANK(sitenum) THEN
MOVE TO "Strip"
WHILE True
WAIT TABLE
PROMPT "Move cursor to Site to select",
"[F2]-Select [Esc]-Cancel"
UNTIL "F2","Esc","DOS","DOSBIG","ZOOM","ZOOMNEXT"
SWITCH
CASE retval = "F2" : sitenum = [Site Number] QUITLOOP
CASE retval = "Esc" : sitenum = False QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
ENDIF
ENDIF
RETURN sitenum
ENDPROC

```

```

WriteLib "SiteProg" GetStrpNum
Release Procs GetStrpNum

PROC EditStrpByNum()
PRIVATE sitenum, anyrcdflag
;
; Private variables:
; sitenum - site number to edit
; anyrcdflag - flag to indicate if any records were found in scan

VIEW "Strip"
sitenum = GetStrpNum() ; Get number of site to edit
CLEAR
IF sitenum = False THEN ; If no site selected
MESSAGE "No RMZ/UMA site selected"
SLEEP 3000
ELSE
MESSAGE "Selecting records for Site number ",sitenum,", please wait..."
COEDIT "Strip"
MENU (Image) (Pickform) (F)
anyrcdflag = 1
SCAN FOR [Site Number] = sitenum
anyrcdflag = 0 ; Set flag to indicate at least
WHILE True ; one record exists
WAIT RECORD
PROMPT "Edit record [Alt][F2]-Save/Exit [F3]-Next Table [F9]-Insert Record",
" [PgDn]-Next Record [PgUp]-Previous Record [Del]-Delete Record"
UNTIL "F3","PgDn","PgUp",-105,"DOS","DOSBIG","ZOOM","ZOOMNEXT","F9","Del"

SWITCH
CASE retval = "F3" : DOWNIMAGE LOOP
CASE retval = "F9" :
SWITCH
CASE TABLE() = "Trees" :
MakeRec()
LOOP
ENDSWITCH
CASE retval = "Del" :
SWITCH
CASE TABLE() = "Trees" :
KillRec()
LOOP
ENDSWITCH
CASE retval = "PgUp" :
SWITCH
CASE TABLE() = "Trees" : SKIP -1 LOOP
ENDSWITCH
CASE retval = "PgDn" :
SWITCH
CASE TABLE() = "Trees" :SKIP 1 LOOP
ENDSWITCH
CASE retval = -105 : QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
IF retval = -105 THEN
QUITLOOP
ENDIF
ENDSCAN
IF anyrcdflag = 1 THEN ; if not records matched sitenum
MESSAGE "No records for Site Number ",sitenum,","
ELSE
MESSAGE "Editing complete"
ENDIF
SLEEP 3000
DO_IT!
ENDIF
ENDPROC

WriteLib "SiteProg" EditStrpByNum
Release Procs EditStrpByNum

```

```

; SMS3Edit.SC
;
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; (206) 753-5723
;
; This script contains the procedures for editing data in a multitable form
; for the following two tables:
; Subplot "aster table
; Dom_S&H "Many-to-One relationship
;
; Although new Dom S&H records may be entered, no provision is made for error
; or validity checking (see SMS#VALD.SC and SMS#VLCK.SC)

```

```

PROC GetSplotNum()
PRIVATE sitenum
CLEAR
sitenum = 0

@ 5,0 ?? "Enter Site Number of Press ENTER (\17\217) and select Site to edit: "
STYLE REVERSE
ACCEPT "S" Min 1 Max 999999 TO sitenum
STYLE
IF retval = False THEN
RETURN False
ELSE
IF ISBLANK(sitenum) THEN
MOVETO "Subplot"
WHILE True
WAIT TABLE
PROMPT "Move cursor to Site to select",
"[F2]-Select [Esc]-Cancel"
UNTIL "F2","Esc","DOS","DOSBIG","ZOOM","ZOOMNEXT"
SWITCH
CASE retval = "F2" : sitenum = [Site Number] QUITLOOP
CASE retval = "Esc" : sitenum = False QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
ENDIF
RETURN sitenum
ENDPROC

```

```

WriteLib "SiteProg" GetSplotNum
Release Procs GetSplotNum

```

```

PROC EditSplotByNum()
PRIVATE sitenum, anyrcdflag
;
; Private variables:
; sitenum site number to edit
; anyrcdflag = flag to indicate if any records were found in scan
;
VIEW "Subplot"
sitenum = GetSplotNum() ; Get number of site to edit
CLEAR
IF sitenum = False THEN ; If no site selected
MESSAGE "No RMZ/UMA site selected"
SLEEP 3000
ELSE
MESSAGE "Selecting records for Site number ",sitenum,", please wait..."
COEDIT "Subplot"
MENU (Image) (Pickform) (F)
anyrcdflag = 1
SCAN FOR [Site Number] = sitenum
anyrcdflag = 0 ; Set flag to indicate at least
WHILE True ; one record exists
WAIT RECORD
PROMPT "Edit record [Alt][F2]-Save/Exit [F3]-Next Table [F9]-Insert Record",
"[PgDn]-Next Record [PgUp]-Previous Record [Del]-Delete Record"
UNTIL "F3","PgDn","PgUp",-105,"DOS","DOSBIG","ZOOM","ZOOMNEXT","F9","Del"

SWITCH
CASE retval = "F3" : DOWNIMAGE LOOP
CASE retval = "F9" :
SWITCH
CASE TABLE() = "Dom_S&H" :
MakeRec()
LOOP
ENDSWITCH

```



```

CASE retval = "Del" :
  SWITCH
    CASE TABLE() = "Dom_S&H" :
      KillRec()
      LOOP
    ENDSWITCH
CASE retval = "PgUp" :
  SWITCH
    CASE TABLE() = "Dom S&H" : SKIP -1 LOOP
  ENDSWITCH
CASE retval = "PgDn"
  SWITCH
    CASE TABLE() = "Dom S&H" :SKIP 1 LOOP
  ENDSWITCH
CASE retval = -105 : QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
IF retval = -105 THEN
  QUITLOOP
ENDIF
ENDSCAN
IF anyrcdflag = 1 THEN ; If not records matched sitenum
  MESSAGE "No records for Site Number ",sitenum, "."
ELSE
  MESSAGE "Editing complete"
ENDIF
SLEEP 3000
0" ITI
ENDIF
ENDPROC

```

```

WriteLib "SiteProg" EditSpotByNum
Release Procs EditSpotByNum

```

---



---

Veg1Edit.SC

```

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```

```

; This script contains the procedures for editing records in a custom farm
; for the following table:
; Veg_Lib1 Master
; No provision is made for error or validity checking.

```

```

PROC GetV1CodeName()
PRIVATE codename
CLEAR
codename = ""

@ 5.0 ?? "Enter Vegetation Code or Press ENTER (\17\217) and select Code to edit: "
STYLE REVERSE
ACCEPT "A5" TO codename
STYLE
IF retval = False THEN
  RETURN False
ELSE
  IF ISBLANK(codename) THEN
    MOVETO "Veg_lib1"
    WHILE True
      WAIT TABLE
      PROMPT "Move cursor to Vegetation Code to select",
        "[F2]-Select [Esc]-Cancel"
      UNTIL "F2","Esc","DOS","DOSBIG","ZOOM","ZOOMNEXT"
      SWITCH
        CASE retval = "F2" : codename = [Code Name] QUITLOOP
        CASE retval = "Esc" : codename = False QUITLOOP
        OTHERWISE : BEEP
      ENDSWITCH
    ENDWHILE
  ENDIF
  RETURN codename
ENDIF
ENDPROC

```

```

WriteLib "SiteProg" GetV1CodeName
Release Procs GetV1CodeName

```

```

PROC EditV1ByName()
PRIVATE codename, anyrcdflag

; Private variables:
; codename * code name to edit
; anyrcdflag * flag to indicate if any records were found in scan

VIEW "Veg Lib1"
codename = GetV1CodeName() ; Get veg code to edit
CLEAR
IF codename = False THEN ; If no code selected
MESSAGE "No vegetation code selected"
SLEEP 3000
ELSE
MESSAGE "Selecting record for Vegetation Code ",codename,", please wait..."
COEDIT "Veg_Lib1"
MENU {Image} {Pickform} {F}
anyrcdflag = 1
SCAM FOR [Code Name] = codename
anyrcdflag = 0 ; Set flag to indicate at Least
WHILE True ; one record exists
WAIT RECORD
PROMPT "Edit record [Alt][F2]-Save/Exit [F9]-Insert Record",
"[PgDn]-Next Record [PgUp]-Previous Record [Del]-Delete Record"
UNTIL "F3","PgDn","PgUp",-105,"DOS","DOSBIG","ZOOM","ZOOMNEXT","F9","Del"

SWITCH
CASE retval = "F9" : ; Create new record.
MakeRec()
LOOP
CASE retval = "Del" : ; Delete record.
KillRec()
LOOP
CASE retval = "PgUp" : ; Previous record.
SKIP -1
LOOP
CASE retval = "PgDn" : ; Next record.
SKIP 1
LOOP
CASE retval = -105 : QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
IF retval = -105 THEN
QUITLOOP
ENDIF
ENDSCAN
IF anyrcdflag = 1 THEN ; If no records matched codename
MESSAGE "No records for Vegetation Code ",codename,","
ELSE
MESSAGE "Editing complete"
ENDIF
SLEEP 3000
DO IT!
ENDIF
ENDPROC

WriteLib "SiteProg" EditV1ByName
Release Procs EditV1ByName

```

---



---

```

; Veg2Edit.SC

```

```

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```

```

This script contains the procedures for editing records in a custom form
; for the following table:
; Veg_Lib2 Master
; No provision is made for error or validity checking.

```

```

PROC GetV2CodeNum()
PRIVATE codenum
CLEAR
codenum = ""

@ 5,0 ?? "Enter Tree Code Number or Press ENTER (\17\217) and select Code to edit: "
STYLE REVERSE

```

```

ACCEPT "A5" TO codenum
STYLE
IF retval = False THEN
RETURN False
ELSE
IF ISBLANK(codenum) THEN
MOVETO "Veg_lib2"
WHILE True
WAIT TABLE
PROMPT "Move cursor to Tree Code to select",
"[F2]-Select [Esc]-Cancel"
UNTIL "F2","Esc","DOS","DOSBIG","ZOOM","ZOOMNEXT"
SWITCH
CASE retval = "F2" : codenum = [Code Number] QUITLOOP
CASE retval = "Esc" : codenum = False QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
ENDIF
RETURN codenum
ENDPROC

WriteLib "SiteProg" GetV2CodeNum
Release Procs GetV2CodeNum

PROC EditV2ByNum()
PRIVATE codenum, anyrcdflag

; Private variables:
; codenum * code number to edit
; anyrcdflag - flag to indicate if any records were found in scan

VIEW "Veg_lib2"
codenum = GetV2CodeNum( ) ; Get tree code to edit
CLEAR
IF codenum = False THEN ; If no code selected
MESSAGE "No Tree code selected"
SLEEP 3000
ELSE
MESSAGE "Selecting record for Tree Code ",codenum,", please wait..."
COEDIT "Veg_lib2"
MENU {Image} {Pickform} {F}
anyrcdflag = 1
SCAN FOR [Code Number] = codenum
anyrcdflag = 0 ; set flag to indicate at Least
WHILE True ; one record exists
WAIT RECORD
PROMPT "Edit record [Alt] [F2]-Save/Exit [F9]-Insert Record",
"[PgDn]-Next Record [PgUp]-Previous Record [Del]-Delete Record"
UNTIL "F3","PgDn","PgUp",-105,"DOS","DOSBIG","ZOOM","ZOOMNEXT","F9","Del"

SWITCH
CASE retval = "F9" : ; Create new record.
MakeRec()
LOOP
CASE retval = "Del" : ; Delete record.
KillRec()
LOOP
CASE retval = "PgUp" : ; Previous record.
SKIP -1
LOOP
CASE retval = "PgDn" : ; Next record.
SKIP 1
LOOP
CASE retval = -105 : QUITLOOP
OTHERWISE : BEEP
ENDSWITCH
ENDWHILE
IF retval = -105 THEN
QUITLOOP
END, F
ENDSCAN
IF anyrcdflag = 1 THEN ; if no records matched codename
MESSAGE "No records for Tree Code Number ",codenum,","
ELSE
MESSAGE "Editing complete"
ENDIF
SLEEP 3000
DO-IT!
ENDIF
ENDPROC

WriteLib "SiteProg" EditV2ByNum
Release Procs EditV2ByNum

```

```

; SiteView.SC
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PROC GetTbl()
    cursor Off
    ViewTblsMenu()
    If retval <> "None" Then
        ViewTbls()
    Else
        Message "No tables available or selected, View request terminated!"
        Sleep 3000
    EndIf
    ClearAll
    Clear
EndProc

WriteLib "SiteProg" GetTbl
Release Procs GetTbl

PROC ViewTbls()
WHILE True
    numofimages = NIMAGES()                ; Save the number of images in a
                                           ; variable to prevent repeated
                                           ; calls to the NIMAGES() function.

    IF numofimages = 1 THEN                ; Use two different WAIT TABLE
                                           ; statements depending on the
                                           ; number of images on the workspace.

        WAIT TABLE
        PROMPT "Viewing Single Table [F2]-Exit",
              "[F7]-Form/Table View Toggle"
        UNTIL "F7","F2","F10","DOS","DOSBIG","ZOOM","ZOOMNEXT"
    ELSE
        WAIT TABLE
        PROMPT "Viewing Table " + STRVAL(IMAGENO()) + " of " +
              STRVAL(numofimages),
              "[F2]-Exit [F3]-Next Table [F4]-Previous Table " +
              "[F7]-Form/Table View Toggle"
        UNTIL "F3","F4","F10","t","t","F7","F2","DOS","DOSBIG","ZOOM","ZOOMNEXT"
    ENDIF
    SWITCH
    CASE retval = "F3"          : UPIMAGE          LOOP
    CASE retval = "F4"          : DOWNIMAGE        LOOP
    CASE retval = "F7"          : FORMKEY          LOOP
    CASE retval = "F2"          : QUITLOOP
    OTHERWISE                   : BEEP LOOP
    ENDSWITCH
ENDWHILE
CLEARALL
CLEAR
RETURN
ENDPROC

WriteLib "SiteProg" ViewTbls
Release Procs ViewTbls

;
PROC ViewTblsMenu()
PRIVATE tblname
; PLAY "Smvsplas"
    Splash2()

    ShowMenu
    "Gen"   : "View General/LOD table",
    "Strp"  : "View Strip/Tree table",
    "Spot"  : "View Subplot/Dom S&H table",
    "Veg1"  : "View Shrub/Herb Library table",
    "Veg2"  : "View Tree library table",
    "Return": "Return to Main Menu"
    TO selview

SWITCH
    case selview = "Gen" :
        tblname = "General"
    case selview = "Strp" :
        tblname = "Strip"
    case selview = "Spot" :

```

```

        tblname = "Subplot"
    case selview = "Veg1" :
        tblname = "Veg_lib1"
    case selview = "Veg2" :
        tblname = "Veg_lib1"
    case selview = "Return" :
        tblname = "None"
    OtherWise :
        BEEP
        tblname = "None"
ENDSWITCH

IF tblname = "" THEN THEM ; If there are no tables
RETURN "None" ; selected, return none,
ELSE ;
MESSAGE "Loading ",tblname ; Otherwise, view the table and
VIEW tblname ; return the table name.
RETURN tblname
ENDIF
ENDPROC

WriteLib "SiteProg" ViewTblsMenu
Release Procs ViewTblsMenu

```

---

```
; ReptMenu.SC
```

```
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```

```
Proc ReptMenu()
```

```
While True
```

```
Autolib = "SiteProg"  
R_Splash1()
```

```
ShowMenu
```

```
"Gen" : "Select and print RMZ/UMA General Site data",  
"LOD" : "Select and print RMZ/UMA LOD data",  
"Strip" : "Select and print RMZ/UMA Strip data",  
"Trees" : "Select and print RMZ/UMA Tree data",  
"Subplot" : "Select and print RMZ/UMA Subplot data",  
"Dom_S&H" : "Select and print RMZ/UMA Dominant Shrub & Herb data",  
"Leave" : "Return to the Main Menu"
```

```
to rsel
```

```
Switch
```

```
case rsel = "Gen" :  
Autolib = "SiteProg"  
R_Splash2()
```

```
ShowMenu
```

```
"Gen1" : "Print Eastside UMA Sites by UMA type",  
"Gen2" : "Print Westside UMA Sites by UMA type",  
"Gen3" : "Print Eastside RMZ Sites by Water type & Substrate",  
"Gen4" : "Print Westside RMZ Sites by Water type & Substrate",  
"Return" : "Go back to the Report Menu"
```

```
To repsel
```

```
Switch  
Case repsel = "Gen1" : ; Query Table Rep#  
; GenQ1 GenF1 1  
Autolib = "SiteProg"  
GenRept1() ; Execute the query.  
tablename = "Genf1" ; set table name for report.  
reptnum = 1 ; set report number.  
HardCopy() ; Print the report.  
MENU (Tools) (More) (Empty) (Genf1) (OK)  
ClearAll ; Unload the files.
```

```
Case repsel = "Gen2" : ; GenQ2 GenF2  
Autolib = "SiteProg"  
GenRept2()  
tablename = "Genf2"  
reptnum = 1  
Hardcopy0  
MENU (Tools) (More) (Empty) (Genf2) (OK)  
ClearAll
```

```
Case repsel = "Gen3" : ; GenQ3 GenF3  
Autolib = "SiteProg"  
GenRept3()  
tablename = "Genf3"  
reptnum = 1  
HardCopy()  
MENU (Tools) (More) (Empty) (Genf3) (OK)  
ClearAll
```

```
Case repsel = "Gen4" : ; GenQ4 GenF4  
Autolib = "SiteProg"  
GenRept4()  
tablename = "Genf4"  
reptnum = 1  
HardCopy()  
MENU (Tools) (More) (Empty) (Genf4) (OK)  
ClearAll
```

```
Otherwise: Loop
```

```
EndSwitch
```

```
case rsel = "LOD" :  
Autolib = "SiteProg"  
R_Splash3()  
ShowMenu
```

```
"LOD1" : "Print Eastside RMZ Site LOD averages",  
"LOD2" : "Print Westside RMZ Site LOD averages",  
"Return" : "Go back to the Report Menu"
```

```
To repsel
```

```
Switch ; Query Table Rep#
```

```

Case repsel = "LOD1" :           ; LODQ1   LODF1   1
  Autolib = "SiteProg"
  LODRept1()
  tablename = "Lodf1"
  reptnum = 1
  HardCopy()
  MENU (Tools) (More) (Empty) (Lodf1) (OK)
  ClearAll

Case repsel = "LOD2" :           ; LODQ2   LODF2   1
  Autolib = "SiteProg"
  LODRept2()
  tablename = "Lodf2"
  reptnum = 1
  HardCopy()
  MENU (Tools) (More) (Empty) (Lodf2) (OK)
  ClearAll

  Otherwise: Loop
EndSwitch

case rsel = "Strip" :
  Autolib = "SiteProg"
  R_Splash4()
  ShowMenu
  "Strip1" : "Print Eastside ""A averages by type",
  "Strip2" : "Print Westside "HA averages by type",
  "Strip3" : "Print Eastside RMZ averages by type",
  "Strip4" : "Print Westside RMZ averages by type",
  "Return" : "Go back to the Report Menu"

  To repsel
  Switch
  Case repsel = "Strip1" :           ; Query   Table   Rep#
    Autolib = "SiteProg"           ; StripQ1  StripF1  1
    StripRept1()
    tablename = "Stripf1"
    reptnum = 1
    HardCopy()
    H E W (Tools) (More) (Empty) (Stripf1) (OK)
    ClearAll

  Case repsel = "Strip2" :           ; StripQ2  StripF2  1
    Autolib = "SiteProg"
    StripRept2()
    tablename = "Stripf2"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Stripf2) (OK)
    ClearAll

  Case repsel = "Strip3" :           ; StripQ3  StripF3  1
    Autolib = "SiteProg"
    StripRept3()
    tablename = "Stripf3"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Stripf3) (OK)
    ClearAll

  case repsel = "Strip4" :           ; StripQ4  StripF4  1
    Autolib = "SiteProg"
    StripRept4()
    tablename = "Stripf4"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Stripf4) (OK)
    ClearAll

  Otherwise: Loop
EndSwitch

case rsel = "Trees" :
  Autolib = "SiteProg"
  R_Splash5()
  ShowMenu
  "Tree1" "Print Live tree count by Side, Tree Type and Name",
  "Tree2" "Print Live tree count by Side, size Class, Type and Name",
  "Tree3" "Print Eastside UMA Live tree count by UMA type, Tree Type and Name",
  "Tree4" "Print Westside UMA Live tree count by UMA type, Tree Type and Name",
  "Tree5" "Print Eastside RMZ live tree count by Water type, Substrate, Tree
Type and Name",
  "Tree6" "Print Westside RMZ Live tree count by Water type, Substrate, Tree
Type and Name",
  "Tree7" "Print blowdowns, snags and stumps by Side and Type",
  "Return" "Go back to the Report Menu"

```

```

To repsel
Switch
  Case repsel = "Tree1" :           ; Query   Table   Rep#
    Autolib = "SiteProg"           ; TreeQ1  TreeF1   1
    TreeRept1()
    tablename = "Treef1"
    reptnum = 1
    HardCopy()
    "EN" (Tools) (More) (Empty) (Treef1) (OK)
    ClearAll

  Case repsel = "Tree2" :           ; TreeQ2  TreeF2   1
    Autolib = "SiteProg"
    TreeRept2()
    tablename = "Treef2"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Treef2) (OK)
    ClearAll

  Case repsel = "Tree3" :           ; TreeQ3  TreeF3   1
    Autolib = "SiteProg"
    TreeRept3()
    tablename = "Treef3"
    reptnum = 1
    Hardcopy0
    MENU (Tools) (More) (Empty) (Treef3) (OK)
    ClearAll

  Case repsel = "Tree4" :           ; TreeQ4  TreeF4   1
    Autolib = "SiteProg"
    TreeRept4()
    tablename = "Treef4"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Treef4) (OK)
    ClearAll

  Case repsel = "Tree5" :           ; TreeQ5  TreeF5   1
    Autolib = "SiteProg"
    TreeRept5()
    tablename = "Treef5"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Treef5) (OK)
    ClearAll

  case repsel = "Tree6" :           ; TreeQ6  TreeF6   1
    Autolib = "SiteProg"
    TreeRept6()
    tablename = "Treef6"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Treef6) (OK)
    ClearAll

  Case repsel = "Tree7" :           ; TreeQ7  TreeF7   1
    Autolib = "SiteProg"
    TreeRept7()
    tablename = "Treef7"
    reptnum = 1
    HardCopy()
    MENU (Tools) (More) (Empty) (Treef7) (OK)
    ClearAll

```

```

  Otherwise: Loop
EndSwitch

```

```

case rsel = "Subplot" :
  Autolib = "SiteProg"
  R_Splash6()
  ShowMenu
  "Subplot1" : "Print Eastside UMA averages by UMA type",
  "Subplot2" : "Print Westside UMA averages by UMA type",
  "Subplot3" : "Print Eastside RMZ averages by Water Type and Substrate",
  "Subplot4" : "Print Westside RMZ averages by Water Type and Substrate",
  "Return" : "Go back to the Report Menu"

```

```

To repsel
Switch
  case repsel = "Subplot1" :       ; Query   Table   Rep#
    Autolib = "SiteProg"           ; SplotQ1 SplotF1  1
    SubplotRept1()
    tablename = "Splotf1"
    reptnum = 1
    HardCopy()

```



```

MENU {Tools} {More} {Empty} {Splotf1} {OK}
ClearAll

Case repsel = "Subplot2" :           ;SplotQ2  SplotF2  1
Autolib = "SiteProg"
SubplotRept2()
tablename = "Splotf2"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Splotf2} {OK}
ClearAll

Case repsel = "Subplot3" :           ;SplotQ3  SplotF3  1
Autolib = "SiteProg"
SubplotRept3()
tablename = "Splotf3"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Splotf3} {OK}
ClearAll

Case repsel = "Subplot4" :           ;SplotQ3  SplotF4  1
Autolib = "SiteProg"
SubplotRept4()
tablename = "Splotf4"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Splotf4} {OK}
ClearAll

Otherwise: Loop
EndSwitch

case rsel = "Dom S&H" :
Autolib = "SiteProg"
R_Splash7()
showmenu
"DomS&H1" : "Print Eastside UMA dominant herb & shrub midpoint averages by
name",
"DomS&H2" : "Print Westside UMA dominant herb & shrub midpoint averages by
name",
"DomS&H3" : "Print Eastside RH.? dominant herb & shrub midpoint averages by
name",
"DomS&H4" : "Print Westside RMZ dominant herb & shrub midpoint averages by
name",
"Return" : "Go back to the Report Menu"
To repsel
Switch
Case repsel = "DomS&H1" :           ; Query  Table  Rep#
Autolib = "SiteProg"           ; DomshQ1  DomshF1  1
DomSHRept1()
tablename = "Domshf1"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Domshf1} {OK}
ClearAll

Case repsel = "DomS&H2" :           ; DomshQ2  DomshF2  1
Autolib = "SiteProg"
DomSHRept2()
tablename = "Domshf2"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Domshf2} {OK}
ClearAll

Case repsel = "DomS&H3" :           ; DomshQ3  DomshF3  1
Autolib = "SiteProg"
DomSHRept3()
tablename = "Domshf3"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Domshf3} {OK}
ClearAll

Case repsel = "DomS&H4" :           ; DomshQ4  DomshF4  1
Autolib = "SiteProg"
DomSHRept4()
tablename = "Domshf4"
reptnum = 1
HardCopy()
MENU {Tools} {More} {Empty} {Domshf4} {OK}
ClearAll

Otherwise: Loop

```

```

        EndSwitch
    case rsel = "Leave" :
        ShowMenu
        "Leave": "Go back to the Main Menu",
        "Return": "Return to the Report Menu"
        to rsubsel
        Switch
            case rsubsel = "Leave":
                QuitLoop
            Otherwise: Loop
        EndSwitch
    Otherwise: Loop
EndSwitch

EndWhile
EndProc

Writelib "SiteProg" ReptMenu
Release Procs ReptMenu

```

---



---

```

; ReptQuery.SC

```

```

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```

```

- * This Section contains the queries and file handling code for selecting
; * data and generating reports.

```

```

; *****
;                               General Table Queries
; *****

```

```

Proc GenRept1()

```

```

Query                               ; Load the Query (GenQ1)

```

General	Site Number Check	Site Type U	East/West Check E	UMA Type Check B OR FW OR UF
---------	----------------------	----------------	----------------------	---------------------------------

General	FPA Number Check	Owner Code Check	Town/Range/Section Check	Stream Name Check
---------	---------------------	---------------------	-----------------------------	----------------------

General	FPA Harvest Check	Unit Area	FPA UMA Area Check	"M Length Measured Check
---------	----------------------	-----------	-----------------------	-----------------------------

General	Site Area Measured Check
---------	-----------------------------

```

Endquery

```

```

Do_it!                               ; Execute the query.

```

```

; Move the data to the correct data file.
MENU (Tools) (More) (Add) (Answer) (Genf1)

```

```

EndProc
Writelib "SiteProg" GenRept1
Release Procs GenRept1

```

```

; .....

```

```

Proc GenRept2()

```

```

Query

```

General	Site Number Check	Site Type U	East/West Check W	UMA Type OR Check B OR FW UF
---------	----------------------	----------------	----------------------	---------------------------------

General	FPA Number Check	Owner Code Check	Town/Range/Section Check	Stream Name Check
		I		I
General	FPA Harvest Unit Area Check	FPA UMA Area Check	"MA Length Measured Check	
General	Site Area Measured Check			

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Genf2)

EndProc  
Writelib "SiteProg" GenRept2  
Release Procs GenRept2

; .....

Proc GenRept3()

Query

General	Site Number Check	Site Type L OR R	Water Type Check	Substrate Check	East/West Check E
General	FPA Number Check	Owner Code Check	Town/Range/Section Check		
General	Stream Name Check	FPA Harvest Unit Area Check			
General	Site Area Measured Check				

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Genf3)

EndProc  
Writelib "SiteProg" GenRept3  
Release Procs GenRept3

; .....

Proc GenRept4()

Query

General	Site Number Check	Site Type L OR R	Water Type Check	Substrate Check	East/West Check W
General	FPA Number Check	Owner Code Check	Town/Range/Section Check		
General	Stream Name Check	FPA Harvest unit Area Check			

General	Site Area Measured Check
---------	-----------------------------

Endquery

Do\_it! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Genf4}

EndProc  
Writelib "SiteProg" GenRept4  
Release Procs GenRept4

; \*\*\*\*\*  
; LOD Table Queries  
; \*\*\*\*\*

Proc LODRept1()

Query

Lod	Site Type L or R	Water Type Check	Substrate Check	East/West E
Lod	Vegetation Type Check	Length Measured calc average as Avg Length Out (Feet)		
Lod	Diameter calc average as Avg Diameter (Inches)			

Endquery

Do\_it! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Lodf1}

EndProc  
Writelib "SiteProg" LODRept1  
Release Procs LODRept1

-----  
Proc LODRept2()

Query

Lod	Site Type L or R	Water Type Check	Substrate Check	East/West W
Lod	Vegetation Type Check	Length Measured calc average as Avg Length Out (Feet)		
Lod	Diameter calc average as Avg Diameter (Inches)			

Endquery

Do\_it! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Lodf2}

EndProc  
Writelib "SiteProg" LODRept2  
Release Procs LODRept2

\*\*\*\*\*  
Strip Table Queries

; \*\*\*\*\*

Proc StripRept1()

Query

Strip	Site Type U	East/West Check E	UMA Type Check B OR FW OR UF
Strip	Stream Canopy calc average as Avg Canopy		Stream Width calc average as Avg Stream Width
Strip	Stream Depth calc average as Avg Stream Depth		Gradient calc average as Avg Gradient
Strip	Site Width calc average as Avg RZ Width	Slope calc average as Avg Slope	
Strip			

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Stripf1}

EndProc  
Writelib "SiteProg" StripRept1  
Release Procs StripRept1

-----  
Proc StripRept2()

Query

Strip	Site Type U	East/West Check W	UMA Type Check B OR FW OR UF
Strip	Stream Canopy calc average as Avg Canopy		Stream Width calc average as Avg Stream Width
Strip	Stream Depth calc average as Avg Stream Depth		Gradient calc average as Avg Gradient
Strip	Site Width calc average as Avg RZ Width	Slope calc average as Avg Slope	
Strip			

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Stripf2}

EndProc  
Writelib "SiteProg" StripRept2  
Release Procs StripRept2

-----  
Proc StripRept3()

Query

Strip	Site Type L or R	Water Type Check	Substrate Check	East/West E
Strip	stream Canopy calc average as Avg Canopy		Stream Width calc average as Avg Stream Width	
Strip	stream Depth calc average as Avg Stream Depth		Gradient calc average as Avg Gradient	

Strip	Site Width calc average as Avg RZ Width	Slope calc average as Avg Slope
Strip		

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Stripf3)

EndProc  
Writelib "SiteProg" StripRept3  
Release Procs StripRept3

-----  
Proc StripRept4()

Query

Strip	Site Type L or R	Water Type Check	Substrate Check	East/West W
Strip	Stream Canopy calc average as Avg canopy		Stream Width calc average as Avg Stream Uidth	
Strip	Stream Depth calc average as Avg Stream Depth		Gradient calc average as Avg Gradient	
Strip	Site Width calc average as Avg RZ Width	Slope calc average as Avg Slope		
strip				

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Stripf4)

EndProc  
Writelib "SiteProg" StripRept4  
Release Procs StripRept4

\*\*\*\*\*  
; Trees Table Queries  
\*\*\*\*\*

Proc TreeRept1()

Query

Trees	East/West Check E or W	Tree Class 1 or 3 or 4	
Trees	Vegetation Type Check	Common Name Check	Tree Count calc sum as Total Trees

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Treef1}

EndProc  
Writelib "SiteProg" TreeRept1  
Release Procs TreeRept1

-----  
Proc TreeRept2()

Query

Trees	East/West Check E or W	Tree Class 1 or 3 or 4	Size Class Check 1 or 2 or 3 or 4 or 5 or 6 or 7
Trees	Vegetation Type Check	Common Name Check	Tree Count calc sum as Total Trees

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Treef2}

EndProc  
Uritelib "SiteProg" TreeRept2  
Release Procs TreeRept2

Proc TreeRept3()

Query

Trees	East/West Check E	UMA Type Check B or FW or UF	Tree Class 1 or 3 or 4
Trees	Vegetation Type Check	Common Name Check	Tree Count calc sum as Total Trees

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Treef3}

EndProc  
Uritelib "SiteProg" TreeRept3  
Release Procs TreeRept3

-----  
Proc TreeRept4()

Query

Trees	East/West Check W	UMA Type Check B or FW or UF	Tree Class 1 or 3 or 4
-------	----------------------	---------------------------------	---------------------------

Trees	Vegetation Type Check	Common Name Check	Tree Count calc sum as Total Trees
-------	--------------------------	----------------------	---------------------------------------

Endquery

Do\_It! ; Execute the query.

Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Treef4)

EndProc  
Writelib "SiteProg" TreeRept4  
Release Procs TreeRept4

-----  
Proc TreeRept5()

Query

Trees	Water Type Check 1 or 2 or 3	Substrate Check	East/West E	
Trees	Tree Class 1 or 3 or 4	Vegetation Type Check	Common Name Check	Tree Count calc sum as Total Trees

Endquery

Do\_It! ; Execute the query.

Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Treef5)

EndProc  
Writelib "SiteProg" TreeRept5  
Release Procs TreeRept5

-----  
Proc TreeRept6()

Query

Trees	Site Type L or R	Water Type Check 1 or 2 or 3	Substrate Check	East/West W
Trees	Tree Class 1 or 3 or 4	Vegetation Type Check	Common Name Check	
Trees	Tree Count calc sum as Total Trees			

Endquery

Do\_It! ; Execute the query.

Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Treef6)

EndProc  
Writelib "SiteProg" TreeRept6  
Release Procs TreeRept6

Proc TreeRept7()

Query

Trees	East/West Check E or W	Tree Class 2 or 5 or 6 or B or R or S	
Trees	Vegetation Type	Common Name	Tree Count



Check	Check	calc sum as Total Trees
-------	-------	-------------------------

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Treef7)

EndProc  
Writelib "SiteProg" TreeRept7  
Release Procs TreeRept7

```

; *****
; Subplot Table Queries
; *****
Proc SubplotRept1()

```

Query

Subplot	East/West E	UMA Type Check B or UF or FW	Subplot Number calc count all as Total Subplots
Subplot	Canopy Coverage Value calc average as Avg Canopy Cover		Shrub Midpoint calc average as Avg Shrub Cover
Subplot	Forbs Midpoint calc average as Avg Forbs Cover		Graminoid Midpoint Calc average as Avg Graminoid Cover
Subplot	DW1 Midpoint calc average as Avg DW1 Cover	DW2 Midpoint calc average as Avg DW2 Cover	
Subplot	DW3 Midpoint Calc average as Avg DW3 Cover	Water Midpoint calc average as Avg Water cover	
Subplot	Rock Midpoint calc average as Avg Rock Cover	Soil Midpoint calc average as Avg Soil Cover	
Subplot	OGC Midpoint Calc average as Avg OGC Cover		

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Splotf1)

EndProc  
Writelib "SiteProg" SubplotRept1  
Release Procs SubplotRept1

```

; -----
Proc SubplotRept2()

```

Query

Subplot	East/West W	UMA Type Check B or UF or FW	Subplot Number calc count all as Total Subplots
Subplot	Canopy Coverage Value calc average as Avg Canopy Cover		Shrub Midpoint calc average as Avg Shrub Cover
Subplot	Forbs Midpoint calc average as Avg Forbs Cover		Graminoid Midpoint Calc average as Avg Graminoid Cover

```

Subplot | DW1 Midpoint | DW2 Midpoint |
| calc average as Avg DW1 Cover | calc average as Avg DW2 Cover |
Subplot | DW3 Midpoint | Water Midpoint |
| Calc average as Avg DW3 Cover | calc average as Avg Water Cover |
Subplot | Rock Midpoint | Soil Midpoint |
| calc average as Avg Rock Cover | calc average as Avg Soil Cover |
Subplot | OGC Midpoint |
| Calc average as Avg OGC Cover |

```

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Splotf2}

EndProc  
Writelib "SiteProg" SubplotRept2  
Release Procs SubplotRept2

-----  
Proc SubplotRept3()

Query

```

Subplot | Site Type | Water Type | Substrate | East/West |
| L or R | Check | Check | E |
Subplot | Subplot Number | canopy Coverage Value |
| calc count all as Number of Subplots | calc average as Avg Canopy Cover |
Subplot | Shrub Midpoint | Forbs Midpoint |
| calc average as Avg Shrub Cover | calc average as Avg Forbs cover |
Subplot | Graminoid Midpoint | DW1 Midpoint |
| Calc average as Avg Graminoid Cover | calc average as Avg DW1 Cover |
Subplot | DW2 Midpoint | DW3 Midpoint |
| calc average as Avg DW2 Cover | Calc average as Avg DW3 Cover |
Subplot | Water Midpoint | Rock Midpoint |
| calc average as Avg Water Cover | calc average as Avg Rock Cover |
Subplot | Soil Midpoint | OGC Midpoint |
| calc average as Avg Soil Cover | Calc average as Avg OGC Cover |

```

Endquery

Do\_It! ; Execute the query.

; Move the data to the correct data file.  
MENU {Tools} {More} {Add} {Answer} {Splotf3}

EndProc  
Writelib "SiteProg" SubplotRept3  
Release Procs SubplotRept3

Proc SubplotRept4()

Query

Subplot	Site Type L or R	Water Type Check	Substrate Check	East/West W
Subplot	Subplot Number calc count all as Number of Subplots			Canopy Coverage Value calc average as Avg Canopy Cover
Subplot	Shrub Midpoint calc average as Avg Shrub Cover		Forbs Midpoint calc average as Avg Forbs Cover	
Subplot	Graminoid Midpoint Calc average as Avg Graminoid Cover		DW1 Midpoint calc average as Avg DW1 Cover	
Subplot	DW2 Midpoint calc average as Avg DW2 Cover		DW3 Midpoint Calc average as Avg DW3 Cover	
Subplot	Water Midpoint calc average as Avg Water Cover		Rock Midpoint calc average as Avg Rock Cover	
Subplot	Soil Midpoint calc average as Avg Soil Cover		OGC Midpoint Calc average as Avg OGC Cover	

Endquery

Do\_it! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Splotf4)

EndProc  
Writelib "SiteProg" SubplotRept4  
Release Procs SubplotRept4

\*\*\*\*\*  
; ..... Dominant Herb & Shrub Table Queries .....  
; .....  
Proc DomSHRept1()

Query

General	Site Number _sitenum	Site Type U	East/West E	UMA Type Check
General				
Dom_s&h	Site Number _sitenum	Class Check	Vegetation Type Check	Common Name Check
Dom_s&h	Midpoint calc average as Avg Cover, calc count as Number Of Subplots			

Endquery

Do\_it! ; Execute the query.

; Move the data to the correct data file.  
MENU (Tools) (More) (Add) (Answer) (Domshf1)

```

EndProc
Writelib "SiteProg" DomSHRept1
Release Procs DomSHRept1

```

```

; -----
Proc DomSHRept2()

```

Query

General	Site Number _sitenum	Site Type U	East/West W	UMA Type Check
---------	-------------------------	----------------	----------------	-------------------

General

Dom_s&h	Site Number _sitenum	Class Check	Vegetation Type Check	Common Name Check
		I	I	I

Dom\_s&h  
 calc average as Avg Cover, Mdpoint  
 calc count as Number Of Subplots

Endquery

Do\_It! ; Execute the query.

Move the data to the correct data file.  
 MENU (Tools) (More) (Add) (Answer) (Domshf2)

```

EndProc
Writelib "SiteProg" DomSHRept2
Release Procs DomSHRept2

```

```

; -----
Proc DomSHRept3()

```

Query

General	Site Number _sitenum	Site Type L or R	Water Type Check	Substrate Check	East/West E
---------	-------------------------	---------------------	---------------------	--------------------	----------------

General

Dom_s&h	Site Number _sitenum	Class Check	Vegetation Type Check	Common Name Check
---------	-------------------------	----------------	--------------------------	----------------------

Dom\_s&h  
 calc average as Avg Cover, Mdpoint  
 calc count as Number Of Subplots

Endquery

Do\_It! ; Execute the query.

Move the data to the correct data file.  
 MENU (Tools) (More) (Add) (Answer) (Domshf3)

```

EndProc
Writelib "SiteProg" DomSHRept3
Release Procs DomSHRept3

```

```

; -----
Proc DomSHRept4()

```

Query

General	Site Number _sitenum	Site Type L or R	Water Type Check	Substrate Check	East/West W
---------	-------------------------	---------------------	---------------------	--------------------	----------------



```

; SMS1VALD.SC
;
; Roosevelt McKenzie
; Data Administrator
; Washington Department of Wildlife
; 600 Capitol Way North
; ns: GJ-11
; Olympia, WA 98501-1091
; (206) 753-5723
;
; This script contains the procs used far the validation rules on each table.
; A separate procedure is used for each table.

```

```

*****
; * RqdRulesGen Procedure *
; *****
;
; General Table procedure that checks for the required fields, inserts,
; default values if the field is left blank, and makes necessary comparison
; between fields in the table for valid entries. Tests are performed
; sequentially. At the first failure, the procedure returns False. A True
; is returned if all tests are passed. The order of the required fields is
; based an the order they appear on the form.

```

```

PROC RqdRulesGen()
  IF FldBlank("Site Number","Site Number") THEM ; Required Site Number
    RETURN False
  ENDIF
  IF FldBlank("Site Type","Site Type (L, R, or U)") THEN ; Required Site Type
    RETURN False
  ENDIF
  IF FldBlank("East/West","Side (E or W)") THEN ; Required East/West
    RETURN False
  ENDIF
  RETURN True
ENDPROC

```

```

WRITELIB "SiteProg" RqdRulesGen
RELEASE PROCS RqdRulesGen

```

```

; *****
; * RqdRulesLOD Procedure *
; *****
;
; LOD Table procedure that inserts default values if the field is left
; blank.

```

```

PROC RqdRulesLOD()
  IF FldBlank("Entry Number","Next Sequential Entry #") THEN ; Default Entry Number
    RETURN False
  ENDIF
  IF IsBlank([Total Length]) THEN
    [Total Length] = [Length Measured] + [Length Estimated]
  ENDIF
  RETURN True
ENDPROC

```

```

WRITELIB "SiteProg" RqdRulesLOD
RELEASE PROCS RqdRulesLOD

```



```

; SMS2VALD.SC
;
; Roosevelt McKenzie
; Data Administrator
; Washington Department of Wildlife
; 600 Capitol Way North
; MS: GJ-11
; Olympia, WA 98501-1091
; (206) 753-5723
;
; * *****
; * RqdRulesStrip Procedure *
; * *****
;
; Strip Table procedure that checks for the required fields. Tests are
; performed sequentially. At the first failure, the procedure returns False.
; A True is returned if all tests are passed. The order of the required
; fields is based on the order they appear on the form.

```

```

PROC RqdRulesStrip()
  IF FldBlank("Site Number","Site Number") THEN

```

```

    RETURN False
ENDIF
IF FldBlank("Strip Number","Strip Number") THEN ; Required Strip Number
    RETURN False
ENDIF
RETURN True
ENDPROC

```

```

WRITELIB "SiteProg" RqdRulesStrip
RELEASE PROCS RqdRulesStrip

```

```

; *****
; * RqdRulesTrees Procedure *
; *****
;
; Trees Table procedure that checks for the required fields. Tests are
; performed sequentially. At the first failure, the procedure returns False.
; A True is returned if all tests are passed. The order of the required
; fields is based on the order they appear on the form.

```

```

PROC RqdRulesTrees()
IF FldBlank("Entry Number","Next sequential Entry #") THEN
    RETURN False
ENDIF
IF FldBlank("Tree Class","Tree Class") THEN ; Required Tree Class
    RETURN False
ENDIF
IF FldBlank("Size Class","Size Class") THEN ; Required Size Class
    RETURN False
ENDIF
IF FldBlank("Tree Code","Tree Code") THEN ; Required Tree Code
    RETURN False
ENDIF
RETURN True
ENDPROC

```

```

WRITELIB "SiteProg" RqdRulesTrees
RELEASE PROCS RqdRulesTrees

```

```

; SITEVALD.SC

```

```

Roosevelt McKenzie
Data Administrator
Washington Department of wildlife
600 Capitol Way North
ws: GJ-11
Olympia, WA 98501-1091
(206) i-53-5723

```

```

; This script contains the procs used for the validation rules an each table.
; A separate procedure is used for each table.

```

```

; *****
; * RqdRulesSplot Procedure *
; *****

```

```

; Subplot Table procedure that checks for the required fields. Tests are
; performed sequentially. At the first failure, the procedure returns False.
; A True is returned if all tests are passed. The order of the required
; fields is based on the order they appear an the form.

```

```

PROC RqdRulesSplot()
IF FldBlank("Site Number","Site Number") THEM
    RETURN False
ENDIF
IF FldBlank("Strip Number","Strip Number") THEN ; Required strip Number
    RETURN False
ENDIF
IF FldBlank("Subplot Number","Subplot Number") THEN ; Required Subplot Number
    RETURN False
ENDIF
RETURN True
ENDPROC

```

```

WRITELIB "SiteProg" RqdRulesSplot
RELEASE PROCS RqdRulesSplot

```

```

; *****
; * RqdRulesDSH Procedure *

```

```
. *****  
; Dom S&H Table procedure that checks for the required fields. Tests are  
; performed sequentially. At the first failure, the procedure returns False.  
; A True is returned if all tests are passed. The order of the required  
; fields is based on the order they appear on the form.
```

```
PROC RqdRulesDSH()  
  IF FldBlank("Class","Class (DH1/DH2/DS1/DS2)") THEN  
    RETURN False  
  ENDIF  
  RETURN True  
ENDPROC
```

```
WRITELIB "SiteProg" RqdRulesDSH  
RELEASE PROCS RqdRulesDSH
```





```
; SMS1VLCK.SC          Validity Checks script
```

```
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Data Administrator  
Washington Department of Wildlife  
600 Capitol Way North  
MS: GJ-11  
Olympia, WA 98501-1091  
(206) 753-5723
```

```
; Processes the validation required for the General and LOD tables
```

```
PROC GenValChecks(tblname)  
PRIVATE retprocval  
  
SWITCH  
CASE tblname = "Entry" OR tblname = "Genera," : ; General table  
retprocval = RqdRulesGen()  
RETURN retprocval  
  
;CASE tblnam = "General" : ; General table  
retprocval = RqdRulesGen()  
RETURN retprocval  
  
CASE tblnam = "Entry," : ; LOD psuedo table  
retprocval = RqdRulesLOD()  
RETURN retprocval  
  
CASE tblname = "LOD" : ; LOD table  
retprocval = RqdRulesLOD()  
RETURN retprocval  
  
OTHERWISE:  
msg = "Table not found, call programmer to fix"  
RETURN FALSE  
  
ENDSWITCH  
ENOPROC  
  
WRITELIB "SiteProg" GenValChecks  
RELEASE PROCS GenValChecks
```

---

---

```
SMS2VLCK.SC          Validity Checks script
```

```
Roosevelt McKenzie  
Data Administrator  
Washington Department of Wildlife  
600 Capitol Way North  
ms: GJ-11  
Olympia, WA 98501-1091  
(206) 753-5723
```

```
; Processes the validation required for the Strip and Trees tables
```

```
PROC StrpValChecks(tblname)  
PRIVATE retprocval  
  
SWITCH  
CASE tblnam = "Entry" : ; Strip psuedo table  
retprocval = RqdRulesStrip()  
RETURN retprocval  
  
CASE tblname = "Strip" : ; Strip table  
retprocval = RqdRulesStrip()  
RETURN retprocval  
  
CASE tblnam = "Entry," : ; Trees pseudo table  
retprocval = RqdRulesTrees()  
RETURN retprocval  
  
CASE tblname = "Trees" : ; Trees table  
retprocval = RqdRulesTrees()  
RETURN retprocval  
  
OTHERWISE:  
msg = "Table not found, call programmer to fix"  
RETURN false  
  
ENDSWITCH  
ENOPROC  
  
WRITELIB "SiteProg" StrpValChecks  
RELEASE PROCS StrpValChecks
```

```

; SMS3VLCK.SC          Validity Checks script
.
Roosevelt McKenzie
Data Administrator
Washington Department of Wildlife
600 Capitol Way North
ns: GJ-11
Olympia, WA 98501-1091
(206) 753-5723
;
; Processes the validation required for the Subplot and Dom Herbs/Shrubs tables
PROC SplotValChecks(tblname)
PRIVATE retprocval

SWITCH
CASE tblname = "Entry" :           ; Subplot psuedo table
retprocval = RqdRulesSplot()
RETURN retprocval

CASE tblname = "Subplot" :         ; Subplot table
retprocval = RqdRulesSplot()
RETURN retprocval

CASE tblname = "Entry," :          ; Dom_S&H pseudo table
retprocval = RqdRulesDSH()
RETURN retprocval

CASE tblname = "Trees" :           ; Dom_S&H table
retprocval = RqdRulesDSH()
RETURN retprocval

OTHERWISE:
msg = "Table not found, call programmer to fix"
RETURN False

ENDSWITCH
ENDPROC

WRITELIB "SiteProg" SplotValChecks
RELEASE PROCS SplotValChecks

```

---



---

```
; SiteSupp.SC
; Site support files
; Contains Splash screens and miscellaneous support procedures.
```

```
      Roosevelt McKenzie
      Data Administrator
      Washington Department of Wildlife
      600 Capitol Way North
      MS: GJ-11
      Olympia, WA 98501-1091
      (206) 753-5723
```

```
; *****
```

```
Proc Siteg()
```

```
, Siteg
@ 0,0 Clear EOS
@ 2,0
```

```
Text
```

Welcome to the

```

+-----+
| Washington Department of Wildlife |
| Riparian Management Zone/Upland Management Area |
| Site Management System |
+-----+

```

Version 08.90.02.00  
Information Systems Section  
Data Administration  
June 1991

```
EndText
```

```
PaintCanvas Attribute 28
2,0,24,79
```

```
sleep 5000
```

```
ENDPROC
```

```
WriteLib "SiteProg" Siteg
Release Procs Siteg
```

```
; *****
```

```
Proc Splash1()
```

```
; SPLASH SCREEN for SITE Main Menu
@0,0 Clear EOS
```

```
Style Attribute 48
@3,0 ;Alt 255 at each end of line to fill Tex/EndText
Text
```

```

-----
                        SMS MAIN MENU
-----
[ADD]      Create RMZ/UMA Site master and related records
[VIEW]     View any table in this application
[EDIT]     Edit RMZ/UMA Site master and related records
[REPORT]   Go to the Reports MENU
[LEAVE]    Quit this system and go to Paradox
-----

```

```
EndText
```

```
ENDPROC
```

```
WriteLib "SiteProg" Splash1
```

Release Procs Splash1

; \*\*\*\*\*

Proc Splash20  
; SPLASH SCREEN for SITE View Menu  
@0,0 Clear EOS

Style Attribute 48  
a3,0 ;Alt 255 at each end of Line to fill Text/EndText  
Text

VIEW RECORD HEN"

[Gen] View General record with linked LOD records  
[Strp] View Strip record with linked tree records  
[Splot] View Subplot records with Linked Dom\_S&H records -  
[Veg1] View Shrub and Herb library table  
[Veg2] View Tree library table  
[Return] Return to the Main Menu -  
-----  
EndText

ENDPROC

WriteLib "SiteProg" Splash2  
Release Procs Splash2

; \*\*\*\*\*

Proc Splash3()  
; SPLASH SCREEN for SITE Edit Menu  
@0,0 Clear EOS

Style Attribute 48  
a3,0 ;Alt 255 at each end of line to fill Tex/EndText  
Text

EDIT RECORD MENU

[Gen] Edit General record with Linked LOD records  
[Strp] Edit Strip record with linked tree records  
[Splot] Edit Subplot records with Linked Dom\_S&H records -  
[Veg1] Edit Shrub and Herb Library table  
[Veg2] Edit Tree Library table  
[Return] Return to the Main Menu -  
-----  
EndText

ENDPROC

WriteLib "SiteProg" Splash3  
Release Procs Splash3

; \*\*\*\*\*

Proc Splash4()  
; SPLASH SCREEN for SITE Add Menu  
@0,0 Clear EOS

Style Attribute 48  
a3,0 ;Alt 255 at each end of line to fill Text/EndText  
Text

ADD RECORDS MENU

[Gen] Add General record with linked LOD records  
[Strp] Add Strip record with linked tree records  
[Splot] Add Subplot records with Linked Dom\_S&H records -  
[Return] Return to the Main Menu -  
-----  
EndText

ENDPROC

WriteLib "SiteProg" Splash4  
Release Procs Splash4

; \*\*\*\*\*

Proc R Splash1()  
; SPLASH SCREEN for REPORT Main Menu  
@0,0 Clear EOS

Style Attribute 48  
@3,0 ;Alt 255 at each end of line to fill Text/EndText  
Text

```
-----  
                                REPORT MENU  
-----  
[Gen]      Select and print RMZ/UMA General Site data  
[LOD]      Select and print RMZ/UMA LOD data  
[Strip]    Select and print RMZ/UMA Strip data  
[Trees]    Select and print RMZ/UMA Tree data  
[Subplot]  Select and print RMZ/UMA Subplot data  
[Dom_S&H]  Select and print RMZ/UMA Dominant Herb & Shrub Data  
[Leave]     Return to the Main Menu  
-----  
EndText
```

ENDPROC

WriteLib "SiteProg" R\_Splash1  
Release Procs R\_Splash1

; \*\*\*\*\*

Proc R Splash2()  
; SPLASH SCREEN for General REPORT Menu  
@0,0 Clear EOS

style Attribute 48  
@3,0 ;Alt 255 at each end of line to fill Text/EndText  
Text

```
-----  
                                GENERAL REPORTS  
-----  
[Gen1]     Print Eastside UMA Sites By UMA Type  
[Gen2]     Print Westside UMA Sites By UMA Type  
[Gen3]     Print Eastside RMZ Sites By Water Type & Substrate  
[Gen4]     Print Westside RMZ Sites By Water Type & Substrate  
[Return]   Go Back to the Report Menu  
-----  
EndText
```

ENDPROC

WriteLib "SiteProg" R\_Splash2  
Release Procs R\_Splash2

; \*\*\*\*\*

Proc R Splash3()  
; SPLASH SCREEN for LOD REPORT Menu  
@0,0 Clear EOS

Style Attribute 48  
@3,0 ;Alt 255 at each end of line to fill Text/EndText  
Text

```
-----  
                                LOD REPORTS  
-----  
[LOD1]     Print Eastside RMZ Site LOD averages  
[LOD2]     Print Westside RMZ Site LOD averages  
[Return]   GO Back to the Report Menu  
-----
```

```

-----
EndText
ENOPROC
WriteLib "SiteProg" R_Splash3
Release Procs R_Splash3
; *****

Proc R_Splash4()
; SPLASH SCREEN for Strip REPORT Menu
@0,0 Clear EOS

Style Attribute 48
a3,0 ;Alt 255 at each end of line to fill Text/EndText
Text

STRIP REPORTS

[Strip1] Print Eastside UMA averages by type
[Strip2] Print Westside UMA averages by type
[Strip3] Print Eastside RMZ averages by type
[Strip4] Print Westside RMZ averages by type
[Return] to Back to the Report Menu

EndText
ENOPROC
WriteLib "SiteProg" R_Splash4
Release Procs R_Splash4
; *****

Proc R_Splash5()
; SPLASH SCREEN for Tree REPORT Menu
@0,0 Clear EOS

style Attribute 48
a3,0 ;Alt 255 at each end of line to fill Text/EndText
Text
-----
TREE REPORTS

[Tree1] Print live free count by Side, Tree Type & Name --
[Tree2] Print Live tree count by Side, Sire, Type & Name --
[Tree3] Print Eastside UMA live tree counts by UMA type --
[Tree4] Print Westside UMA live tree counts by UMA type --
[Tree5] Print Eastside RMZ live tree counts by water type --
[Tree6] Print Westside RMZ live tree counts by water type --
[Tree7] Print blowdowns, snags & stumps by Side and type --
[Return] Go Back to the Report Menu

EndText
ENOPROC
WriteLib "SiteProg" R_Splash5
Release Procs R_Splash5
; *****

Proc R-Splash6()
; SPLASH SCREEN for Subplot REPORT Ye""
@0,0 Clear EOS

Style Attribute 48
a3,0 ;Alt 255 at each end of line to fill Text/EndText
Text
-----
SUBPLOT REPORTS

[Subplot1] Print Eastside UMA averages by UMA type

```

```

[Subplot2]   Print Westside UMA averages by UMA type
[Subplot3]   Print Eastside RMZ averages by water type & substrate:
[Subplot4]   Print Westside RMZ averages by water type & substrate:
[Return]     GO Back to the Report Menu

EndText

ENDPROC

WriteLib "SiteProg" R_Splash6
Release Procs R_Splash6
; *****

Proc R_Splash7()
; SPLASH SCREEN for Dom_S&H REPORT Menu
  @0,0 Clear EOS

  Style Attribute 48
  @3,0 ;Alt 255 at each end of line to fill Text/EndText
  Text

          DOMINANT HERBS & SHRUBS REPORTS

[DOM_S&H1]   Print Eastside UMA dominant herb & shurb avg midpoint:
[DOM_S&H2]   Print Westside UMA dominant herb & shrub avg midpoint:
[DOM_S&H3]   Print Eastside RMZ dominant herb & shrub avg midpoint:
[DOM_S&H4]   Print Westside RMZ dominant herb & shrub avg midpoint:
[Return]     Go Back to the Report Menu

EndText

ENDPROC

WriteLib "SiteProg" R_Splash7
Release Procs R_Splash7
; *****

; Procedure for creating a new record during table edit.
Proc MakeRec()
  End
  EditKey
  Down
  Wait Record
  Prompt "Add new record...press [F2] to continue"
  Until "F2", "Esc"
  If retval = "F2" Then
    Do_it!
  Else
    UNDO
    Do_it!
  EndIf
ENDPROC

WriteLib "SiteProg" MakeRec
Release Procs MakeRec
; *****

; Procedure for deleting a record during table edit.
PROC KillRec()
  Style Reverse, Blink
  @24,20 CLEAR EOL ?? "Do you really want to delete this record (Y/N)? "
  Accept "A1" To answer
  If ((answer = "Y") or (answer = "y")) Then
    Del
  Else MESSAGE "Record not deleted"
    Sleep 1500
  EndIf
ENDPROC

WriteLib "SiteProg" KillRec
Release Procs KillRec
; *****
; Procedure to test if the field passed as a parameter is blank. If the field

```

; is blank the procedure returns True, otherwise False is returned.

```
PROC FldBlank(fldnm, fldtxt)
  PRIVATE fldblnk

; fldnm  Field name as defined in the table
; fldtxt  Text to be inserted into the global variable "msg" that is displayed
;         to the user if the field is blank
; fldblnk  Variable for the logical result of the ISBLANK function

  EXECUTE "fldblnk = ISBLANK(["+fldnm+"])"; Create a PAL statement to test
  IF fldblnk THEN; if the field is blank. If it is
    MOVE TO FIELD fldnm; empty, move to the field, set
    msg = fldtxt+" must be entered"; the msg variable and return
    RETURN True
  ELSE
    RETURN False
  ENDIF
ENDPROC

WRITELIB "SiteProg" FldBlank
RELEASE PROC SFldBlank
```

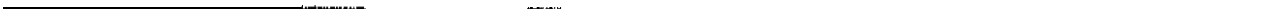
---

---



## **Section 8**

# **Support Programs**



## Support Programs

### 3 1/2" Diskette DOS 3.xx Installation Programs

```
echo off
cls
rem INSTALL3.BAT
if "%1"==" " goto nodrive
goto cont

:nodrive
cls
echo.
echo *****
echo * You must specify the hard drive you want the application *
echo * installed on. If you want to install on drive C:, enter *
echo *
echo *          install3 c:
echo *
echo *          at the A: prompt and press the Enter key.
echo *
echo *****
echo.
goto end

:cont
md %1\site91
cls
echo.
echo *****
echo *
echo *          Copying SMS Application and Data Files
echo *
echo *****
echo.
copy cont3.bat %1\site91>nul:
copy site91.exe %1\site91>nul:
copy sms91.bat %1>nul:
%1
cd\site91
cont3.bat
:end
```

---

```
echo off
cls
rem Cont3.bat
rem Get files off SMS\Paradox 1 disk.
rem Get paradox runtime files.
cls
echo.
echo *****
echo *
echo *          Place SMS/Paradox 1 Diskette in drive B;
echo *
echo *****
echo.
pause
cls
echo.
echo *****
echo *
echo *          Copying SMS and Paradox Program Files
echo *
echo *****
copy B:\pdr35.exe>nul:
cls

rem Extract Paradox files
cls
echo.
echo *****
echo *
echo *          Extracting Paradox Runtime program files.
echo *
echo *****
echo.
pdr35>nul:

rem Extract SMS system files
cls
echo.
echo *****
```

---

```

echo          *
echo          *           Extracting SMS application and data files.          *
echo          *
echo          *           *****
echo          *
site91>nul:

rem Cleanup compressed files

erase site91.exe>nul:
erase pdr35.exe>nul:

cls
echo.
echo          *
echo          *           RMZ/UMA SMS installation complete.           *
echo          *
echo          *           Remove disk and store...                         *
echo          *
echo          *           *****
echo          *
: end
cd\

```

### 3 1/2" Diskette DOS 4.xx installation Programs.

```

echo off
cls
rem INSTALL4.BAT
if "%1"="" goto nodrive
goto cont

:nodrive
...
echo.
echo          *
echo          * You must specify the hard drive you want the application •
echo          * installed on. if you want to install on drive C:, enter •
echo          *
echo          *           install4 C:
echo          *
echo          *           at the B: prompt and press the Enter key.
echo          *
echo          *           *****
echo          *
goto end

:cont
md %1\site91
cls
echo.
echo          *
echo          *           *****
echo          *           Copying SMS Application and Data files           *
echo          *
echo          *           *****
echo          *
copy cont4.bat %1\site91>nul:
copy site91.exe %1\site91>nul:
%1
cd\site91
call %1\site91\cont4.bat

rem Extract Paradox files
cls
echo.
echo          *
echo          *           *****
echo          *           Extracting Paradox Runtime program files.           *
echo          *
echo          *           *****
echo          *
pdr35>nul:

rem Extract SMS system files
cls
echo.
echo          *
echo          *           *****
echo          *           Extracting SMS application and data files.           *
echo          *

```

```

echo
echo.
site91>nul:

rem Cleanup compressed files
cls
cd\
erase %1\site91\site91.exe>nul:
erase %1\site91\pdr35.exe>nul:
erase %1\site91\*.bat>nul:

rem Put the startup file on the root
cls
copy b:\sms91.bat %1>nul:
cls
echo.
echo
echo
echo
echo
echo
echo
echo
echo.
:
end

```

### 5 1/4" Diskette DOS 3.xx Installation Programs

```

echo Off
cls
rem INSTALL3.BAT
if "%1"==" " goto nodrive
goto cont

:nodrive
cls
echo.
echo
echo
echo
echo
echo
echo
echo
echo
echo
echo.
goto end

:cont
md %1\site91
cls
echo.
echo
echo
echo
echo
echo
echo.
copy cont3.bat %1\site91>nul:
copy site91.exe %1\site91>nul:
copy sms91.bat %1>nul:
%1
cd\site91
cont3.bat
:end

```

---

```

echo off
cls
rem Cont3.bat
rem Get files off SMS\Paradox 1 disk.
rem Get paradox runtime files.
cls
echo.
echo
echo
echo
echo
echo.

```

```

echo.
pause
cls
echo.
echo *****
echo *
echo *           Copying SMS and Paradox Program Files           *
echo *
echo *****
copy A:\pdr35.exe>nul:
cls

rem Extract Paradox files
cls
echo.
echo *****
echo *
echo *           Extracting Paradox Runtime program files.         *
echo *
echo *****
pdr35>nul:

rem Extract SMS system files
cls
echo.
echo *****
echo *
echo *           Extracting SMS application and data files.         *
echo *
echo *****
site91>nul:

rem Cleanup compressed files

erase site91.exe>nul:
erase pdr35.exe>nul:

cls
echo.
echo *****
echo *
echo *           RMZ/UMA SMS installation complete.                 *
echo *
echo *           Remove disk and store...                            *
echo *
echo *****
:end
cd\

```

## 5 1/4" Diskette DOS 4.xx Installation Programs

```

echo off
cls
rem INSTALL4.BAT
if "%1"==" " goto nodrive
goto cont

:nodrive
cls
echo.
echo *****
echo * You must specify the hard drive you want the application *
echo * installed on. If you want to install on drive C:, enter *
echo *
echo *           install4 c:
echo *
echo *           at the B: prompt and press the Enter key.
echo *
echo *****
goto end

:cont
md %1\site91
cls
echo.
echo *****
echo *
echo *           Copying SMS Application and Data Files
echo *
echo *****

```



```
echo          *
echo          *****
echo.
echo.
pause
```

### SMS Start-up Program

```
echo off
cls
rem SMS91.bat
rem SMS startup batch file

:execute
cd\site91
pdoxrun sms_strt
cd\
cls
```