

## ArcGIS Script Tool: Timber Sale Planner

Input Layers:

- 1) General Timber Sale Area
- 2) DNR Board Feet Volume

Automatically Imported Layers:

- 1) DNR Soils
- 2) DNR LiDAR Modeled Streams

Options:

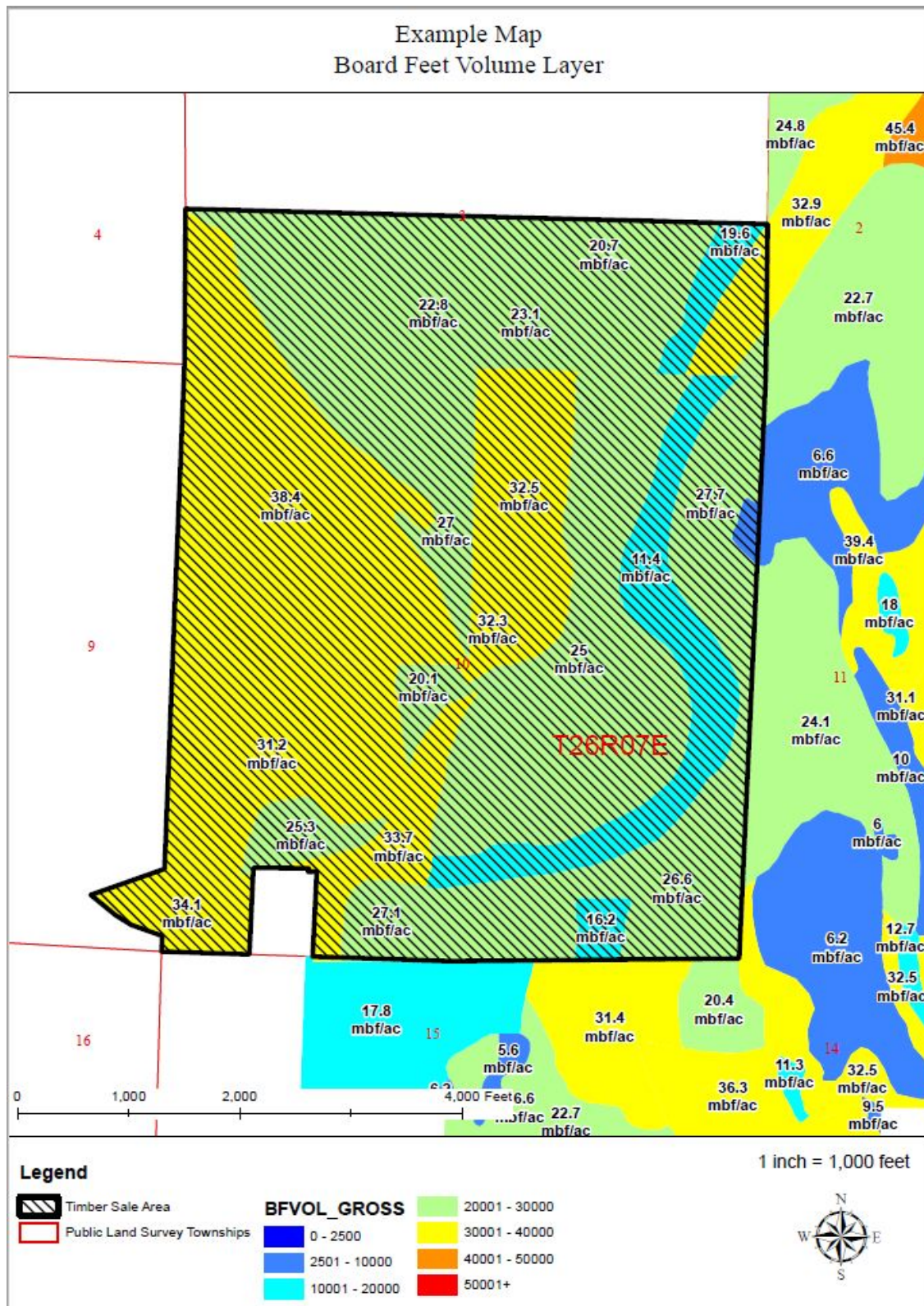
- 1) Add VDT (Thinning) Units to output feature class
- 2) Thinning percent (by board feet removed)

The screenshot shows the 'Timber Sale Planner' dialog box. It has a title bar with the ArcGIS logo and the text 'Timber Sale Planner'. The main area is divided into two panes. The left pane contains the following fields and controls:

- 'General Timber Sale Area' section with a dropdown menu showing 'Timber Sale Area' and a folder icon.
- 'DNR BFVOL\_GROSS layer (from RS-FRIS)' section with a dropdown menu showing 'RS\_FRIS\_POLYS\BFVOL\_GROSS' and a folder icon.
- 'Output Feature Class' section with a text box containing 'K:\users\zbee490\examples\timber\_sale\_area\_output.shp' and a folder icon.
- A checked checkbox labeled 'Add VDT Units to Output (optional)'.
- 'VDT Thinning % (optional)' section with a text box containing '35'.

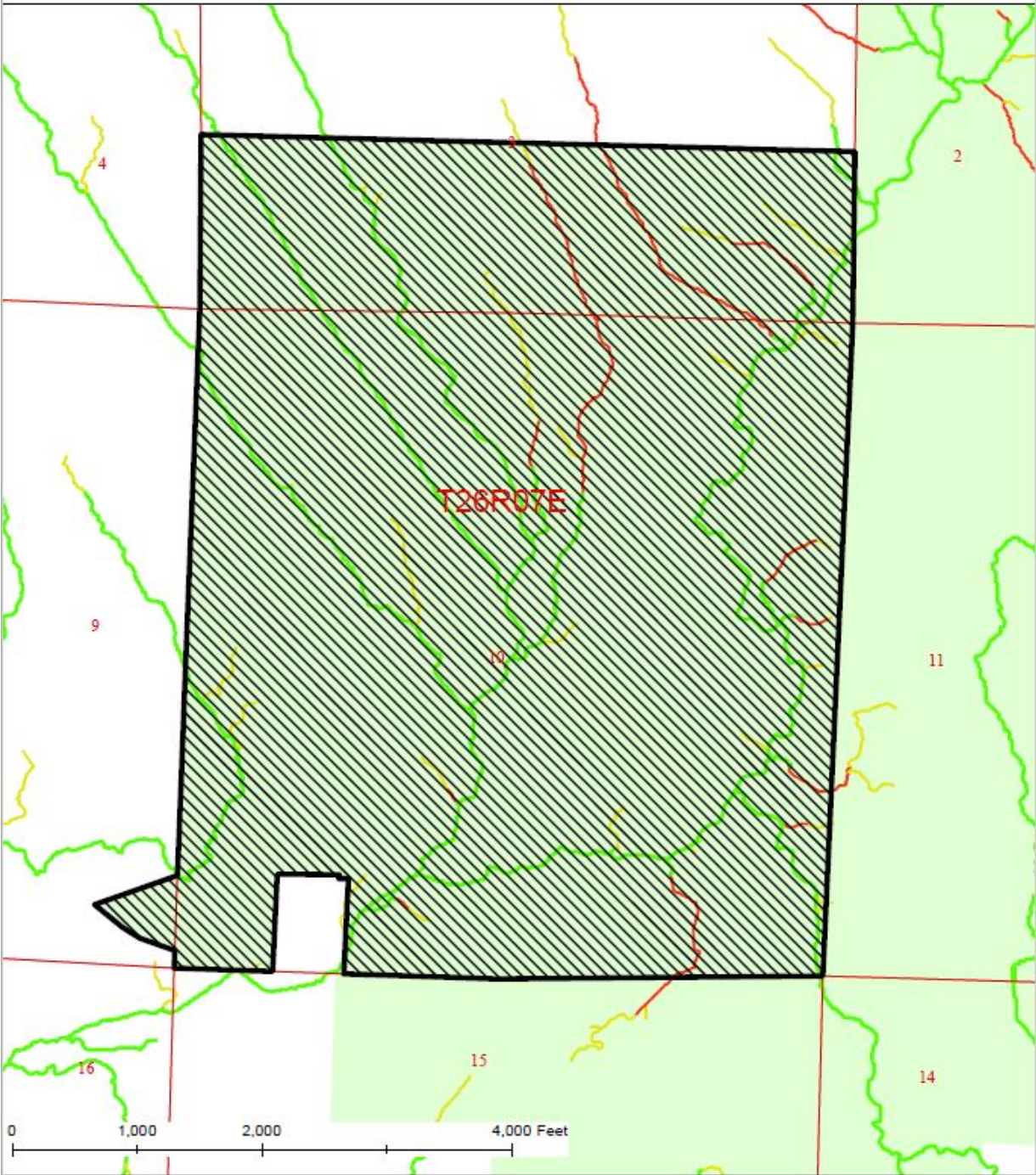
The right pane is titled 'Output Feature Class' and contains the text 'No description available'. At the bottom of the dialog are five buttons: 'OK', 'Cancel', 'Environments...', '<< Hide Help', and 'Tool Help'.

### Input Layers Map Examples:





Example Map  
LiDAR Streams Layer



**Legend**

- Timber Sale Area
- Public Land Survey Townships
- DNR Land Use (Flat)

**RS-Hydro Streams (Modeled State Land Water Types)**

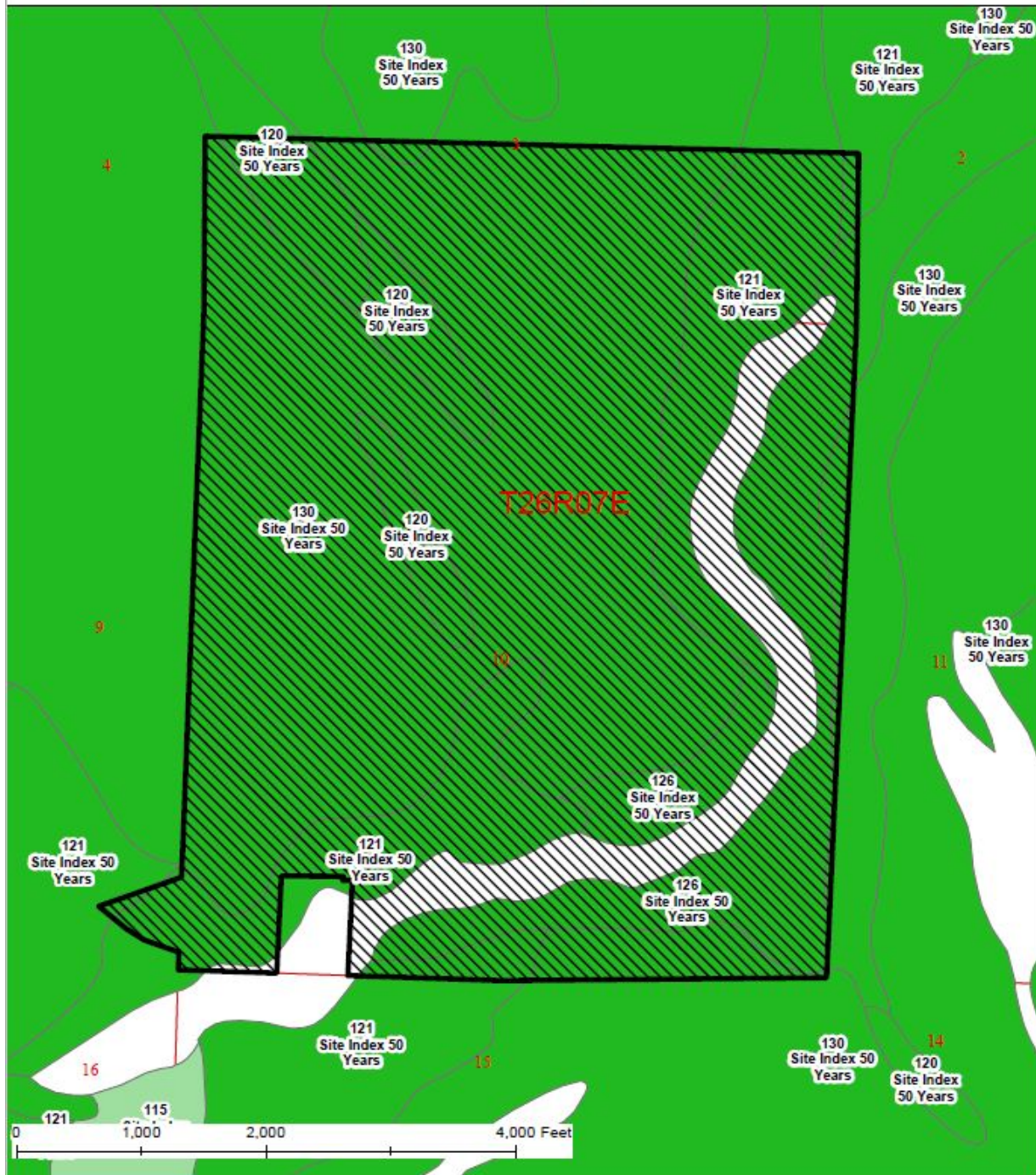
- Type 3+
- Type 4
- Type 5

1 inch = 1,000 feet





# Example Map Soils Layer



## Legend

- Timber Sale Area
- Public Land Survey Townships

## Soils - Site Index - Westside Douglas Fir

- Class I
- Class II

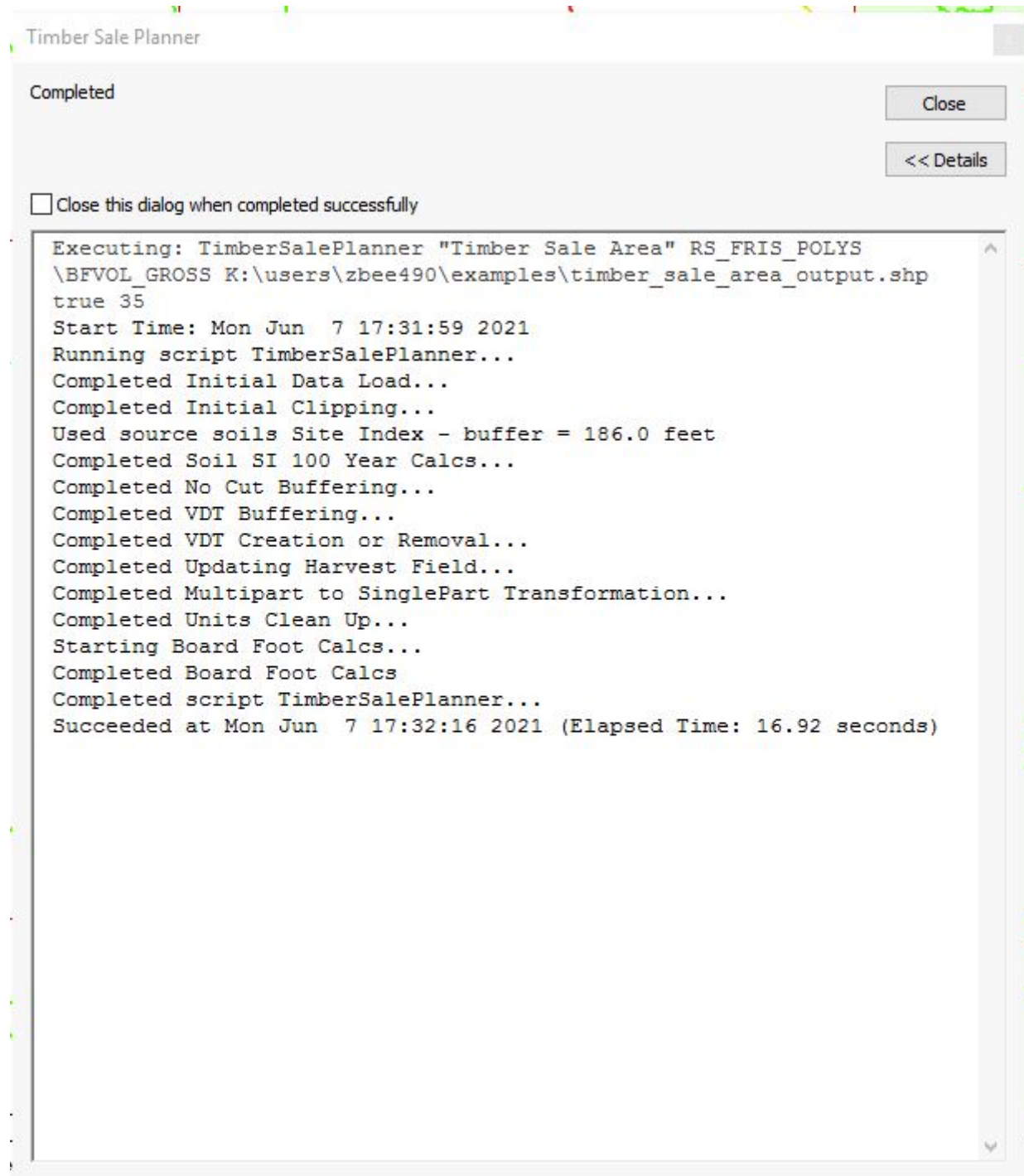
- Class III
- Class IV
- Class V

1 inch = 1,000 feet



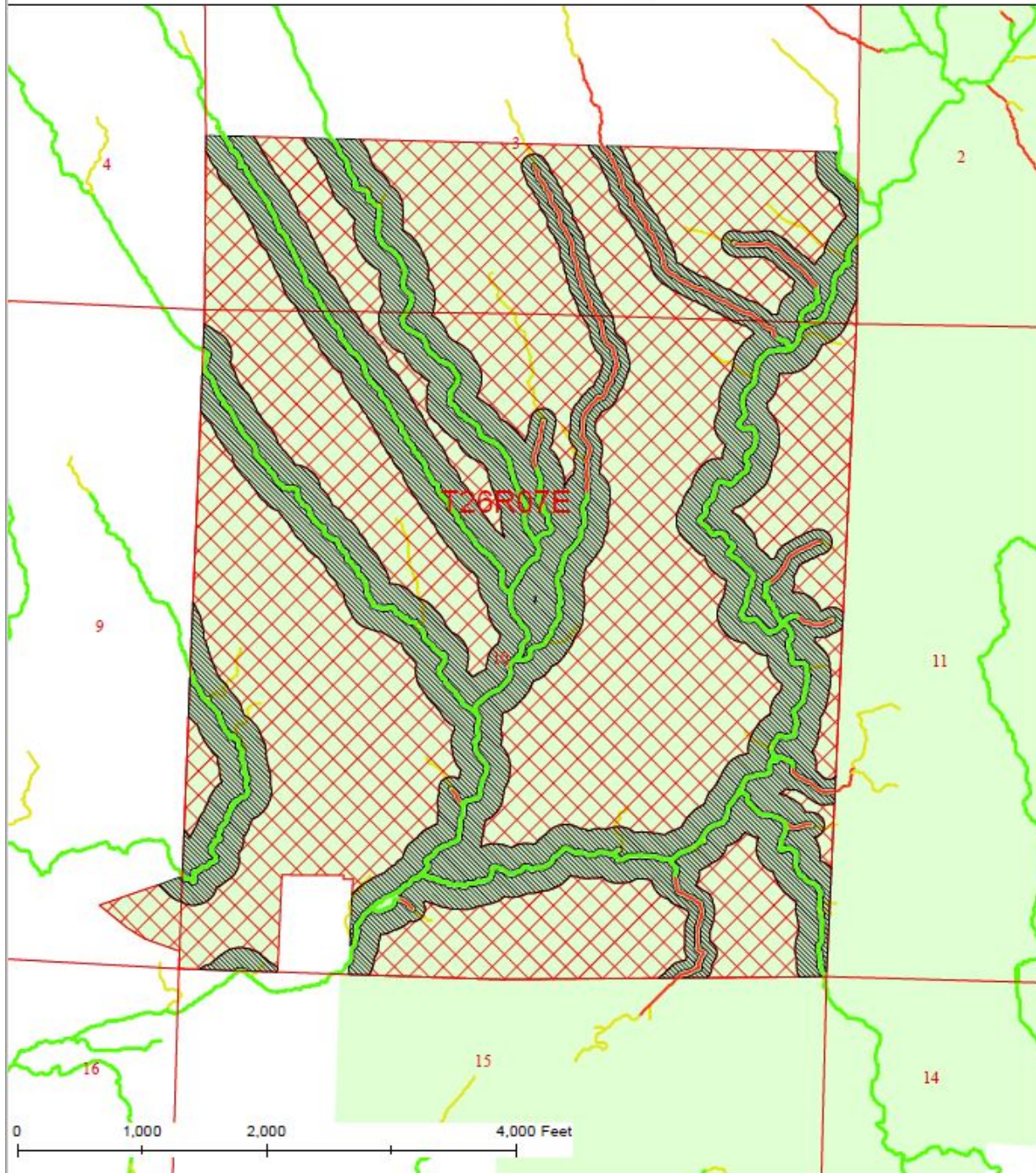
### Output of Script Tool:

A buffered Timber Sale polygon with optional thinning units, units are numbered, and have acres, MBF, and MBF per acre fields.







# Example Map Timber Sale Area Output






## Legend

### Timber Sale Area Output

-  VRH
-  VDT

-  Public Land Survey Townships
-  DNR Land Use (Flat)

### RS-Hydro Streams (Modeled State Land Water Types)

-  Type 3+
-  Type 4
-  Type 5

1 inch = 1,000 feet

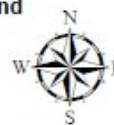


Table						
timber_sale_area_output						
FID	Shape *	HARVEST	UNIT_NM	ACRES	MBF	MBF_AC
0	Polygon	VRH	U1	18	450	25
1	Polygon	VRH	U2	189	4702	24.9
2	Polygon	VRH	U3	32	696	21.8
3	Polygon	VRH	U4	55	2092	38
4	Polygon	VRH	U5	27	688	25.5
5	Polygon	VRH	U6	110	3604	32.8
6	Polygon	VRH	U7	4	81	20.3
7	Polygon	VRH	U8	4	125	31.3
8	Polygon	VRH	U9	2	53	26.5
9	Polygon	VRH	U10	15	399	26.6
10	Polygon	VRH	U11	36	932	25.9
11	Polygon	VDT	U12	34	424	12.5
12	Polygon	VDT	U13	31	275	8.9
13	Polygon	VDT	U14	79	702	8.9
14	Polygon	VDT	U15	13	118	9.1
15	Polygon	VDT	U16	24	147	6.1
16	Polygon	VDT	U17	21	253	12
17	Polygon	VDT	U18	10	110	11
18	Polygon	VDT	U19	6	65	10.9
19	Polygon	VDT	U20	7	55	7.8
20	Polygon	VDT	U21	11	83	7.5
21	Polygon	VDT	U22	14	112	8
22	Polygon	VDT	U23	2	24	11.9

1 (0 out of 23 Selected)

timber\_sale\_area\_output