

Online Resources

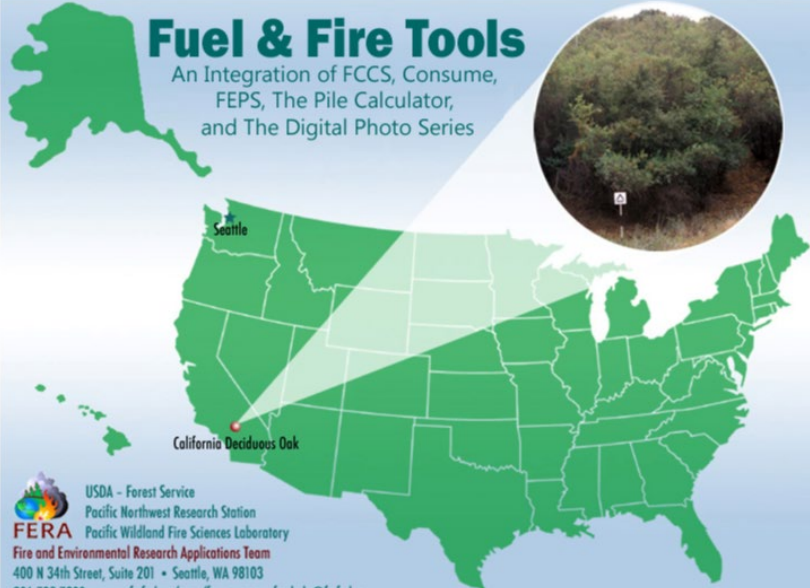
Apps, Programs, and Electronic Tools.



Fuel & Fire Tools (FFT)

Fuel & Fire Tools

An Integration of FCCS, Consume, FEPS, The Pile Calculator, and The Digital Photo Series



Seattle

California Deciduous Oak

USDA - Forest Service
Pacific Northwest Research Station
Pacific Wildland Fire Sciences Laboratory
Fire and Environmental Research Applications Team
400 N 34th Street, Suite 201 • Seattle, WA 98103
206.732.7800 • www.fs.fed.us/pnw/fera • pnw_fccshelp@fs.fed.us



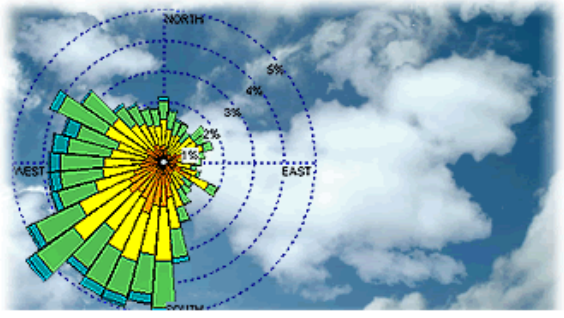
☐ Don't show splash screen

Continue

About

WRPLOT View™

Wind Rose Plots for Meteorological Data



Version 8.0.2

Lakes Environmental

(C) 1998-2018 Lakes Environmental Software

[About](#) [Team](#) [Technical Support](#) [Web](#)

OK



You can create your set of fuelbeds in three ways:

1. Select from the list below. Filter list of all fuelbeds by:

Ecoregion:

Vegetation Form:

Cover Type:

Structural Class:

Change Agent:

2. Browse your file system to select fuelbed (.xml) or LANDFIRE fuelbed list (.lif) files:

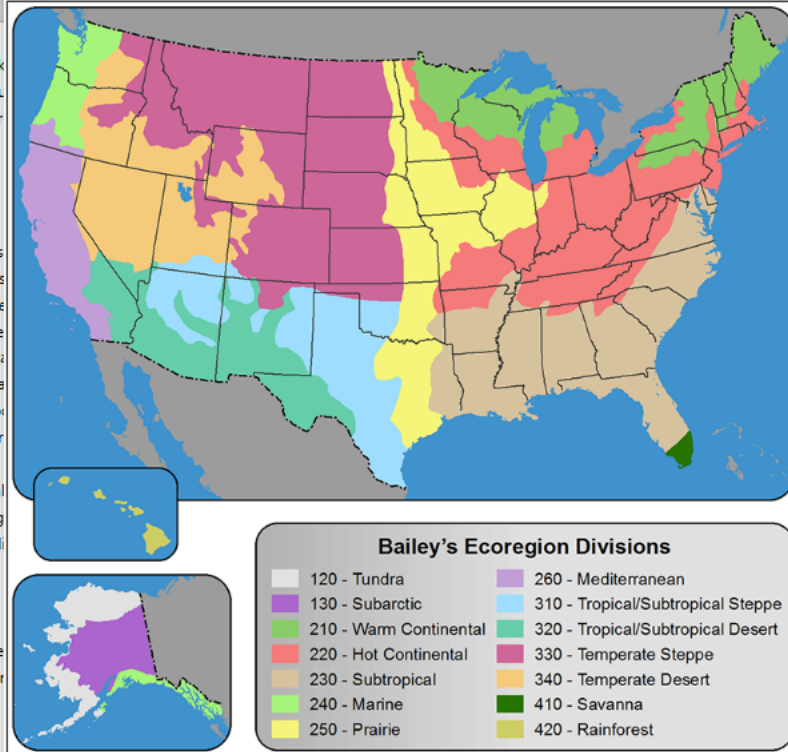
3. Load a saved unit:

BibleBackFire | 2000 | 4 fuelbed(s)
BibleBackFirePost | 2000 | 3 fuelbed(s)
brittle7 | 640 | 1 fuelbed(s)
CapeCod | 50 | 1 fuelbed(s)
DillyFire | 75 | 1 fuelbed(s)
EastForkRoad | 2000 | 4 fuelbed(s)
lion1 | 600 | 1 fuelbed(s)

List of all fuelbeds:366

0: Bare Ground
1: Black cottonwood-Douglas-fir-quak
1u1: Black cottonwood-Douglas-fir-qu
2: Western hemlock-western redcedar
3: Douglas-fir forest
4: Douglas-fir/ceanothus forest
5: Douglas-fir-white fir forest
5u1: Douglas-fir-white fir forest
6: Oregon white oak-Douglas-fir fores
7: Douglas-fir-sugar pine-tanoak fores
8: Western hemlock-Douglas-fir-weste
9: Douglas-fir-western hemlock-weste
10: Western hemlock-Douglas-fir-Sitka
11: Douglas-fir/western hemlock-Sitka
12: Red fir-mountain hemlock-lodgepo
13: Mountain hemlock-Pacific silver fir
14: California black oak woodland
15: Jeffrey pine-red fir-white fir/green
16: Jeffrey pine-ponderosa pine-Doug
16u1: Ponderosa pine-Douglas-fir-Cal
17: Red fir forest
17u1: Red fir forest
18: Douglas-fir/oceanspray forest
19: White fir-giant sequoia-sugar pine
20: Western juniper/curl-leaf mountai
21: Young lodgepole pine forest
22: Mature lodgepole pine forest
23: Mature lodgepole pine forest with
23u1: Lodgepole pine forest with bark
24: Pacific ponderosa pine-Douglas-fir
25: Pinyon-Utah juniper forest
26: Interior ponderosa pine-limber pine forest
27: Ponderosa pine-two needle pinyon-Utah juniper forest
28: Ponderosa pine savanna
29: Interior ponderosa pine-Engelmann spruce-Douglas-fir forest

Map of Bailey's Ecoregion Divisions

For more information, refer to [Description of the Ecoregions of the United States](#).

Selected Fuelbeds:

Fuelbed Editor

General

Canopy

Shrub

Herb

Wood

Litter-Lichen-Moss

Ground Fuel

Tree - Overstory

Tree - Midstory

Tree - Understory

Snag - Class 1 Foliage

Snag - Class 1

Snag - Class 2

Snag - Class 3

Ladder Fuels

Fuelbed	Total canopy cover (%)	Overstory cover (%)	Height (feet)	HLC (feet)	Density (#/acre)	DBH (inches)	Relative cover (%) / Species	Present
FB_0138_FCCSu01	80	65	45	10	380	10.5	10 = Pinus strobus 20 = Pinus resinosa 40 = Quercus ellipsoidalis 15 = Pinus banksiana 15 = Populus grandidentata	☒
FB_0146_FCCSu01	70	60	35	10	1000	5	65 = Pinus banksiana 20 = Quercus ellipsoidalis 10 = Pinus resinosa 5 = Prunus pensylvanica	☒
FB_0279_FCCSu01	60	50	40	10	150	8	25 = Picea mariana 45 = Thuja occidentalis 10 = Larix laricina 20 = Abies balsamea	☒
FB_0408_LFu01	50	35	31	10	200	6	75 = Populus tremuloides 25 = Quercus ellipsoidalis	☒
FB_0455_LFu01	75	65	45	10	450	11	75 = Pinus resinosa 10 = Pinus banksiana 15 = Quercus ellipsoidalis	☒

Canopy stratum (trees, snags and ladder fuels)

Help

Open Digital Photo Series

Fuelbed Editor

General

Canopy

Shrub

Herb

Wood

Litter-Lichen-Moss

Ground Fuel

Primary Layer

Secondary Layer

Fuelbed	Cover (%)	Height (feet)	Percent Live (%)	Loading (tons/acre)	Relative cover (%) / Species	Present
FB_0138_FCCSu01	35	0.5	90	0.07	20 = Pteridium aquilinum 20 = Eurybia macrophylla 60 = Carex pensylvanica	☒
FB_0146_FCCSu01	45	0.25	90	0.1	10 = Comptonia peregrina 90 = Carex pensylvanica	☒
FB_0279_FCCSu01	10	1.5	85	0.02	30 = Eriophorum virginicum 30 = Carex spp. 25 = Maianthemum trifolium 10 = Sarracenia purpurea 5 = Drosera rotundifolia	☒
FB_0408_LFu01	30	1	90	0.09	50 = Andropogon gerardii 25 = Sorghastrum nutans 25 = Calamagrostis spp.	☒
FB_0455_LFu01	35	0.25	90	0.1	20 = Pteridium aquilinum 20 = Aralia nudicaulis 20 = Eurybia macrophylla 40 = Carex pensylvanica	☒

Help

Open Digital Photo Series

Back to Fuelbed Selector

Save

Environmental Inputs -- DillyFire

Edit Selected Environmental Scenario:

Environmental Scenario Name:

FCCS Benchmark Inputs

Select Environmental Scenario for 'DillyFire':

FCCS Benchmark Inputs

Bible Back

britt7

brittle

RLIR OAK

Select tool/pathway:

☒ FCCS

Fuel Moistures (%): [\[Select FM Scenario\]](#)

Herbaceous:

Shrub:

Crown:

1-hr:

10-hr:

100-hr:

Slope (%):

Windspeed (mph):

Run FCCS

☐ Consume (FCCS > Consume)

Fuel Moistures (%):

1000-hr:

Duff:

Shrub Consumption (%):

Canopy Consumption (%):

Pile Consumption (%):

Inputs needed for activity-fuels only:

Days Since Rain:

Length of Ignition (min.):

Source of 1000-hr FM:

Harvest w/in past 3 months?: ☐

Run Consume

☐ FEPS (FCCS > Consume > FEPS)

Air Temp (°F): Min Max

Relative Humidity (%):

Midflame Windspeed (mph):

Transport Windspeed (mph):

Fire Shape:

Sunrise (0-23 hr):

Midday (0-23 hr):

Sunset (0-23 hr):

Fire Start (0-23 hr):

Fire Stop (1-71 hr):

Run FEPS

Run FEPS w/Files

Help

Save Scenario

Delete Scenario

Clear Form

Back to Fuelbed Selector

Fuel and Fire Tools Results

FCCS

Consume

FEPS

Print-friendly Reports (.pdf)

Fuelbed

Unit

[FCCS Potentials](#)

[Surface Fire Behavior](#)

[Fuel Loading](#)

[Carbon](#)

[Fuel and Carbon Loading by Stratum](#)

Graphs (.png)

Fuelbed

[FCCS Summary Potentials](#)

[Rate of Spread](#)

[Flame Length](#)

[Reaction Intensity](#)

[Fuel Loading](#)

[Carbon](#)

Output Tables (.csv)

[All Results](#)

[Fuel Characteristics](#)

[FCCS Potentials](#)

[Surface Fire Behavior](#)

Help

Back to Environmental Inputs

Author: Brian Stearns

Date: Jan 28 2011 - 12:51 AM

Fuelbed Name: Red pine -- pin oak Brittle with Slash

Fuelbed Number: N/A

File Name: C:\FCCS\conf\fuelbeds\user_fuelbeds\Brittle_slash.xml

Data quality ranking:

Original FBPS fuel model (13)*: 9

Standard fuel model (40)*: TU2

Description: Red pine plantation that were typically planted in the 1930's & 40's. Dense stands on poor sandy soils.

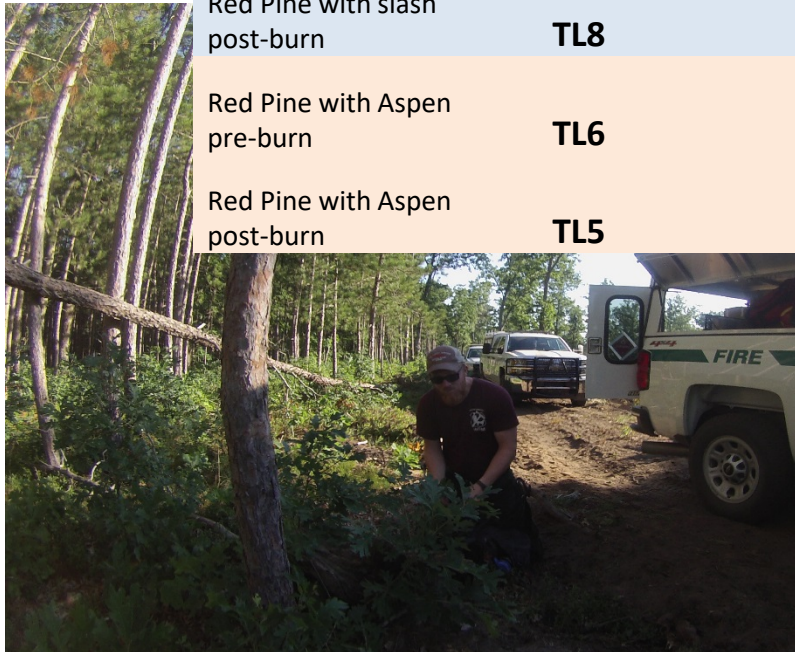
Surface Fire Behavior Potential	6	Summary surface fire behavior potential, calculated as the maximum of spread potential and flame length potential scaled to an index between 0-9.
Reaction Potential	4.9	Approximates the potential reaction intensity (energy released per unit area and time).
Spread Potential	5.6	Proportional to the no-wind rate of spread in surface fuel (distance per unit time).
Flame Length Potential	3.8	Proportional to fireline intensity or flame length.
Crown Fire Potential	5	Weighted average of crown fire subpotentials.
Crown fire initiation potential	4.3	Potential for fire to reach canopy layer.
Crown-to-crown transmissivity potential	8.8	Potential for fire to carry through a canopy.
Crown fire spreading potential	3.3	Relative index of crown fire rate of spread.
Available Fuel Potential	3	Sum of fuel loadings in all combustion phases scaled to an index between 0-9.
Flame available fuel potential	1.9	Sum of fuel loadings available for the flaming phase of combustion (in units of 10 tons/acre).
Smoldering available fuel potential	1.2	Sum of fuel loadings available for the smoldering phase of combustion (in units of 10 tons/acre).
Residual Available Fuel	0.2	Sum of fuel loadings available for the residual smoldering phase of combustion (in units of 10 tons/acre).
FCCS Fire Potential Code	653	Three-digit code representing the surface fire behavior, crown fire, and available fuel potentials.

*Based on dry fuel conditions (D2L2 moisture scenario) FCCS v 2.1



Fuel Potential for Brittle (Pre and Post-Burn)

Fuel bed	Fuel Model	Surface Fire Potential (1-9)	Crown Fire Initiation Potential (1-9)	Available Fuel Potential (1-9)	FCCS Fire Potential Code
Opening in Brittle Pre-burn	TU2	5	6	4	564
Opening in Brittle Post-burn	TU2	6	4	2	642
Red Pine-Oak Brittle pre-burn	TL9	6	5	3	653
Red Pine-Oak Brittle post-burn	TL8	5	4	2	542
Red Pine with slash pre-burn	SB2	6	7	3	673
Red Pine with slash post-burn	TL8	5	4	2	542
Red Pine with Aspen pre-burn	TL6	4	5	3	453
Red Pine with Aspen post-burn	TL5	4	4	2	442



FFI / Firemon

JFiremon - firemondata_training.mdb

File Data Entry Tools Reports

Plot Data Form

RegistrationID TEST ProjectID FOREST PlotID 1 Date 10/15/01 SEvent P1

PD TD FL SC CF LI PO Tran PO Frame DE Belt DE Quad RS CBI FB MD

Length and Number of Transects

1-hr 6 ft 10-hr 6 ft 100-hr 15 ft 1000-hr 50 ft

Num. Transects 2

Delete FL Form

Fine Woody Debris

Transect	Slope	1hr	10hr	100hr	D/LDep1 (in)	LitterPct1	D/LDep2 (in)	LitterPct2	Local1
1	26.0	38	20	3	2.5	30	2.0	20	300
2	6.0	51	27	4	2.0	25	3.0	50	28

Coarse Woody Debris

Transect	LogNum	Dia (in)	DecayCl	Local1
1	1	7.1	2	
1	2	5.5	3	
2	3	4.5	3	
2	4	6.1	4	

Vegetation All heights are in feet.

Transect	LiShC1	DdShC1	ShHt1	LiHeC1	DdHeC1	HeHt1	LiShC2	DdShC2	ShHt2	LiHeC2	DdHeC2
1	30.0	10.0	3.0	50.0	20.0	0.5					
2	20.0	30.0	2.0	40.0	20.0	1.0					

Record 1 of 43 Save Delete List Close

JFiremon - firemondata_training.mdb

File Data Entry Tools Reports

Plot Data Form

RegistrationID TEST ProjectID FOREST PlotID 1 Date 10/15/01 SEvent P1

PD TD FL SC CF LI PO Tran PO Frame DE Belt DE Quad RS CBI FB MD

Organization Info

Org. Code 1 Org. Code 2 Org. Code 3 Org. Code 4

Plot Info

Examiner Units E Radius 37.2 ft Width ft

Plot Type M SEvent P1 FireID 101 MDID Test_Forest

Geo-Reference

☐ Lat-Long ☒ UTM Northing Easting UTM Zone

Datum GPS Error GPS Units

Biophysical Settings

Elevation 4,000 ft Aspect

Slope 10 Landform

VertShape HorzShape

Geology and Soils

Geol1 Geol2

Soil Texture Erosion Type

Erosion Sev

Vegetation - Trees

TotTreeCov SeedTreeCov

SapTreeCov PoleTreeCov

MedTreeCov LrgTreeCov

VLrgTreeCov

Vegetation - Shrubs

TotShrubCov LowShrubCov

MedShrubCov TallShrubCov

Vegetation - Composition

UpDomSpp1 UpDomSpp2

MidDomSpp1 MidDomSpp2

LowDomSpp1 LowDomSpp2

PVT ID Pot Form

Vegetation - Herbaceous Cover

GramCov ForbCov

FernCov MossLichCov

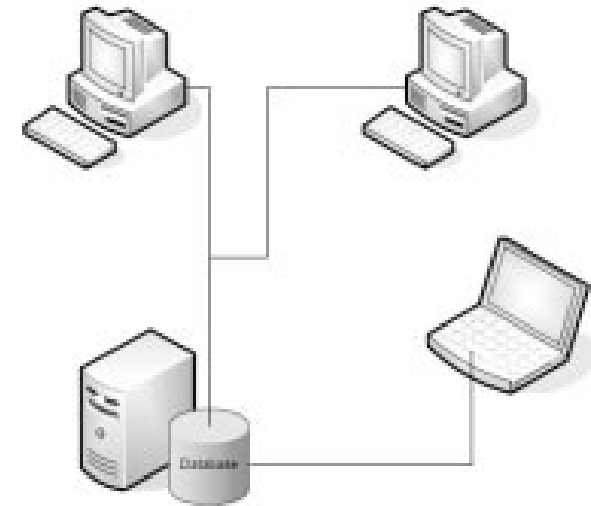
Record 1 of 43 Save Delete List Close

Limitation of FFI

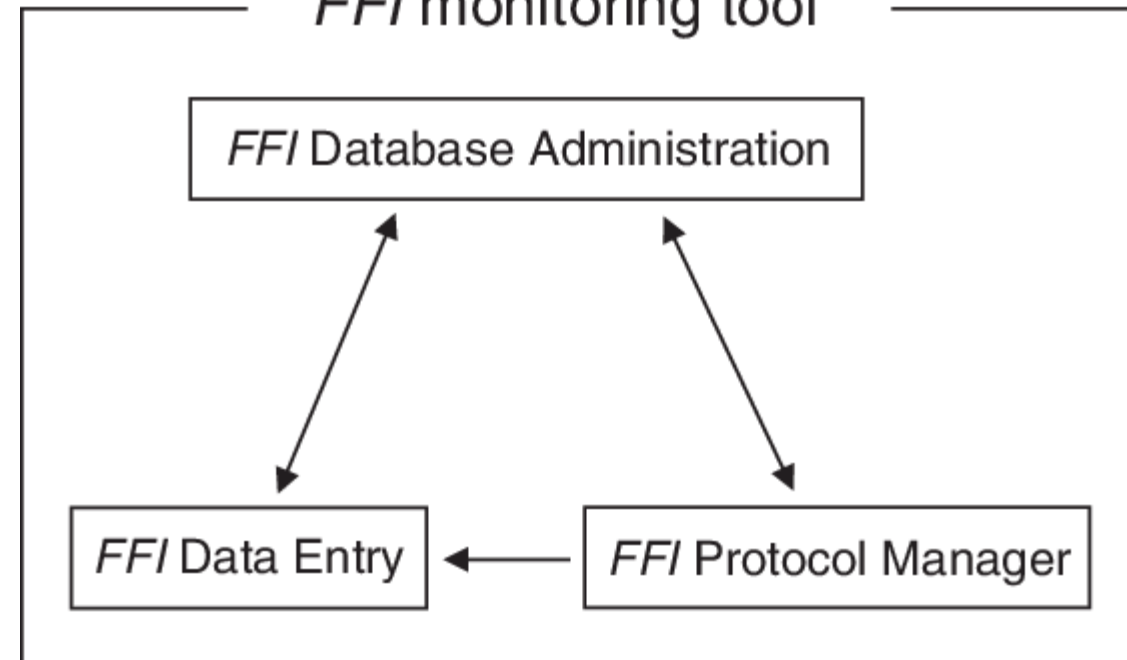
The screenshot shows the JFiremon software interface with the 'Data Entry' menu open and 'Plant Species Codes' selected. The 'NRCS Plants Codes' window is displayed, containing the following fields:

Symbol	ABLA	Scientific Name	Abies lasiocarpa
Symbol Key	ABLA	Common Name	subalpine fir
Synonym Symbol Key		Family	Pinaceae
Local Code	ABLA	Life Form 1	
FYS Code	AF	Life Form 2	
Life Form	Tree		

Buttons at the bottom include 'Add to Local Code', 'Record', 'Save', 'List', and 'Close'. The status bar shows '76 of 82120'.



FFI monitoring tool



FileHomeInsertPage LayoutFormulasDataReviewViewHelp

CutCopyFormat Painter

Arial10

B

I

U

Wrap Text

General

\$

%

0.00

0.00

Conditional Formatting

ClipboardFontAlignmentNumber

K10

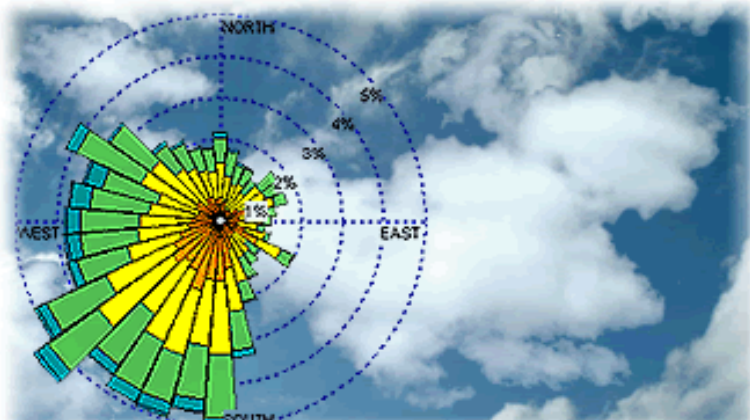
	A	B	C	D	E	F	G	H	I	J	K	L	M	N										
1	Brown's Fuel Transect Fuel Load Calculator				Brittle 6																			
2	PreBurn				Date: 04/03/2015																			
3	Note: Transect lengths are in feet; 1000 hr fuel diameters, duff and litter depths are in inches																							
4	Required Field	Optional Defaults	Products																					
5																								
6																								
7	Slope %***	0																						
8																								
9		Length ft	n=Count	d2*	s**	Tons/Acre	Kg/m2																	
10	1 hr	240	23.1	0.0342	0.55	0.021	0.005																	
11	10 hr	240	13.2	0.238	0.56	0.087	0.020																	
12	100 hr	480	3.4	3.12	0.48	0.126	0.028																	
13				Sum d ² (Below)																				
14	1000 hr Solid	1200	11	0.00	0.40	0.000	0.000																	
15	1000 hr Rotten	1200	4	102.25	0.36	0.357	0.080																	
16		Bulk Density (lb/ft3)																						
17	Litter loading	2.70				4.747	1.064																	
18	Duff loading	5.10				5.207	1.167	Inches	cm															
19	Litter depth	2.16						#DIV/0!	#DIV/0!															
20	Duff depth	0.58						#DIV/0!	#DIV/0!															
21																								
22	Total Fine					0.234	0.053																	
23	Total Heavy					0.357	0.080																	
24	Total Litter/Duff					9.954	2.231																	
25	Grand Total					10.546	2.364																	
26																								
27	* Mean squared average quadratic diameters for non-slash fuels; See worksheet "Variables" this workbook and																							
28	Diameters (calculates custom values based on overstory composition).																							
29	** Specific gravity; See worksheet "Variables"																							
30	***Fuel load is corrected by a slope factor																							
31					Count																			
32	1000 Hr	1000 Hr	1000 Hr	1000 Hr		0	0																	
33	Solid	Rotten	Solid	Rotten	Ave Litter	Ave Duff		Plot Data																
34	Diam in.	Diam in.	Sum d2	Sum d2	Plot #	Depth in.	Depth in.	1-hr	10-hr	100-hr														
35			0.00	0.00	1N	1.00	0.25	3	1	0														
36		3.50	0.00	12.25	1E	1.50	1.25	1	0	0														
37		5.00	0.00	25.00	1S	1.25	0.75	1	1	0														
38		4.00	0.00	16.00	1W	1.25	0.50	1	1	0														
39		7.00	0.00	49.00	2N	0.50	0.25	2	0	0														
40		0.00	0.00	0.00	2E	0.75	0.50	0	0	0														
41		0.00	0.00	0.00	2S	1.00	0.75	3	3	0														
42		0.00	0.00	0.00	2W	0.50	0.25	1	1	0														
43			0.00	0.00	3N																			
44			0.00	0.00	3E																			
45			0.00	0.00	3S																			
46			0.00	0.00	3W																			
47			0.00	0.00	4N																			
48			0.00	0.00	4E																			
49			0.00	0.00	4S																			
50			0.00	0.00	4W																			
51			0.00	0.00	5N																			
52			0.00	0.00	5S																			
53			0.00	0.00	5W																			
54			0.00	0.00	6N																			
55			0.00	0.00	6S																			
56			0.00	0.00	6W																			
57			0.00	0.00	7N																			
58			0.00	0.00	7S																			
59			0.00	0.00	7W																			
60			0.00	0.00	8N																			
61			0.00	0.00	8S																			
62			0.00	0.00	8W																			
63			0.00	0.00	9N																			
64			0.00	0.00	9S																			
65			0.00	0.00	9W																			
66			0.00	0.00	10N																			
67			0.00	0.00	10S																			
68			0.00	0.00	10W																			
69			0.00	0.00	11N																			
70			0.00	0.00	11S																			
71			0.00	0.00	11W																			
72			0.00	0.00	12N																			
73			0.00	0.00	12S																			
74			0.00	0.00	12W																			
75			0.00	0.00	13N																			
76			0.00	0.00	13S																			
77			0.00	0.00	13W																			
78			0.00	0.00	14N																			
79			0.00	0.00	14S																			
80			0.00	0.00	14W																			
81			0.00	0.00	15N																			
82			0.00	0.00	15S																			
83			0.00	0.00	15W																			
84			0.00	0.00	16N																			
85			0.00	0.00	16S																			
86			0.00	0.00	16W																			
87			0.00	0.00	17N																			
88			0.00	0.00	17S																			
89			0.00	0.00	17W																			
90			0.00	0.00	18N																			
91			0.00	0.00	18S																			
92			0.00	0.00	18W																			
93			0.00	0.00	19N																			
94			0.00	0.00	19S																			
95			0.00	0.00	19W																			
96			0.00	0.00	20N																			
97			0.00	0.00	20S																			
98			0.00	0.00	20W																			
99			0.00	0.00	21N																			
100			0.00	0.00	21S																			
101			0.00	0.00	21W																			
102			0.00	0.00	22N																			
103			0.00	0.00	22S																			
104			0.00	0.00	22W																			
105			0.00	0.00	23N																			
106			0.00	0.00	23S																			
107			0.00	0.00	23W																			
108			0.00	0.00	24N																			
109			0.00	0.00	24S																			
110			0.00	0.00	24W																			
111			0.00	0.00	25N																			
112			0.00	0.00	25S																			
113			0.00	0.00	25W																			
114			0.00	0.00	26N																			
115			0.00	0.00	26S																			
116			0.00	0.00	26W																			
117			0.00	0.00	27N																			
118			0.00	0.00	27S																			
119			0.00	0.00	27W																			
120			0.00	0.00	28N																			
121			0.00	0.00	28S																			
122			0.00	0.00	28W																			
123			0.00	0.00	29N																			
124			0.00	0.00	29S																			
125			0.00	0.00	29W																			
126			0.00	0.00	30N																			
127			0.00	0.00	30S																			
128			0.00	0.00	30W																			
129			0.00	0.00	31N																			
130			0.00	0.00	31S																			
131			0.00	0.00	31W																			
132			0.00	0.00	32N																			
133			0.00	0.00	32S																			
134			0.00	0.00	32W																			
135			0.00	0.00	33N																			
136			0.00	0.00	33S																			
137			0.00	0.00	33W																			
138			0.00	0.00	34N																			
139			0.00	0.00	34S																			

Wind Rose

About

WRPLOT View™

Wind Rose Plots for Meteorological Data



(C) 1998-2018 Lakes Environmental Software

Version 8.0.2

Lakes
Environmental

[About](#) [Team](#) [Technical Support](#) [Web](#)

OK

WRPLOT View Freeware 8.0.2

File Edit **Tools** Help

Display
☒ Wind Sp
☐ Stability

Wind Classes...
Wind Rose Sectors...
Import from Excel...
Browse...
Editor...

Units
6
Knots
☐ m/s

Orientation
☒ Direction (blowing from)
☐ Flow Vector (blowing to)

Met Data In Meteorolog
y Distribution Wind Rose Graph

Station	Start Date	End Date	Met Data File	Incomplete/ Missing Records	Format
---------	------------	----------	---------------	-----------------------------------	--------

Add File...
Preview
Remove
Clear All
WebMET

Date Range
All Observations

Years
Start:
End:

Time Range
Start: 00:00
End: 23:00

Specify Days

Specify Time

Data File Info

Total No. of Hours:	0
Average Wind Speed:	0.00 m/s
Calm Records:	0
Calm Winds Frequency:	0.00%
Data Availability:	0.00%
Incomplete/Missing Records:	0
Total Records Used:	0

Surface Station (Optional)
Name: State: Station ID:

Import Surface Data From (Excel File):

C:\Users\lbsteams\Documents\Fuels\Fuel Models_Behave\WLLM4.2021-05-04.xlsx

Save Surface File As (SAMSON Format):

C:\Users\lbsteams\Documents\Fuels\Fuel Models_Behave\WLLM4.2021-05-04.sam

Data Fields

Station Information

#	Data Field Name	Excel Column Name	Missing Indicator in Excel File	Unit in Excel File	Number Type
1	Year			N/A	YY, YYYY
2	Month			N/A	1 to 12
3	Day			N/A	1 to 31
4	Hour		01 to 24		00 to 23, 01

First Row to Import:

1

Set

Last Row to Import:

11810

Set

Excel File

SAMSON File

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	Station ID	Year	Month	Day	Time	wind_speed	wind_direction_set_1							
2						m/s	Degrees							# The provisional data available here are intended for data required for a court of law or regulatory use only. For more information, please contact the NCEI (https://www.ncdc.noaa.gov/data-access/quality-control/quality-control-overview) or consult a CCM (http://www.nicm.org).
3	WLLM4	2016	3	1	12	0.9	70							# available from the NCEI (https://www.ncdc.noaa.gov/data-access/quality-control/quality-control-overview) or consult a CCM (http://www.nicm.org).
4	WLLM4	2016	3	1	13	1.3	69							# STATION: WLLM4
5	WLLM4	2016	3	1	14	1.3	30							# STATION NAME: WELLSTON
6	WLLM4	2016	3	1	15	1.8	34							# LATITUDE: 44.222167
7	WLLM4	2016	3	1	16	1.8	29							# LONGITUDE: -85.941611
8	WLLM4	2016	3	1	17	2.2	28							# ELEVATION [ft]: 796
9	WLLM4	2016	3	1	18	2.2	23							# STATE: M
10	WLLM4	2016	3	1	19	1.8	27							
11	WLLM4	2016	3	1	20	2.2	9							
12	WLLM4	2016	3	1	20	1.8	358							
13	WLLM4	2016	3	1	20	1.8	1							
14	WLLM4	2016	3	1	20	1.8	351							
15	WLLM4	2016	3	1	20	0								

WIND ROSE PLOT:

Station #07745

DISPLAY:
Wind Speed
Direction (blowing from)

WIND SPEED
(Knots)
>= 21.58
17.11 - 21.58
11.08 - 17.11
Calms: 0.00%

COMMENTS:

DATA PERIOD:
Start Date: 3/1/2016 - 12:00
End Date: 5/7/2021 - 20:00

COMPANY NAME:

MODELER:

CALM WINDS:
0.00%

TOTAL COUNT:
9377 hrs.

AVG. WIND SPEED:
2.98 Knots

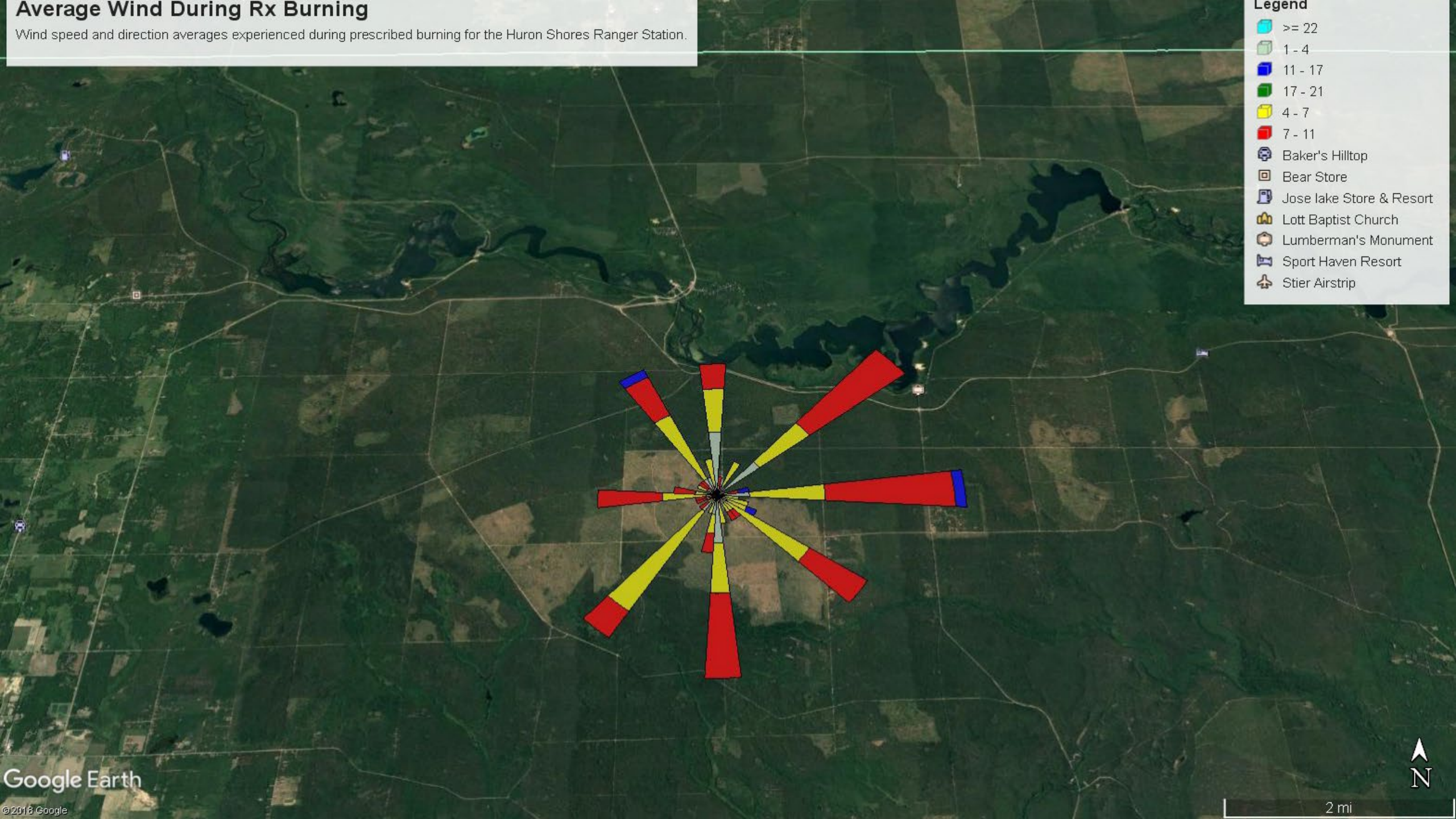
DATE:
5/4/2021

PROJECT NO.:

WRPLOT View - Lakes Environmental Software

Average Wind During Rx Burning

Wind speed and direction averages experienced during prescribed burning for the Huron Shores Ranger Station.



Collector

Home ▾ Cad Man Fuels 

Open in new Map Viewer New Map ▾ Create Presentation  Brian ▾

 Details

 Add ▾

 Edit

 Basemap

 Analysis

 About

 Content

 Legend

Contents

☒ West Zone Fuels Map - Field Notes (Points)

☒ West Zone Fuels Map - Field Notes (Lines)

☒ West Zone Fuels Map - Field Notes (Areas)

☐ Cad Man Fuels - Field Notes (Areas)

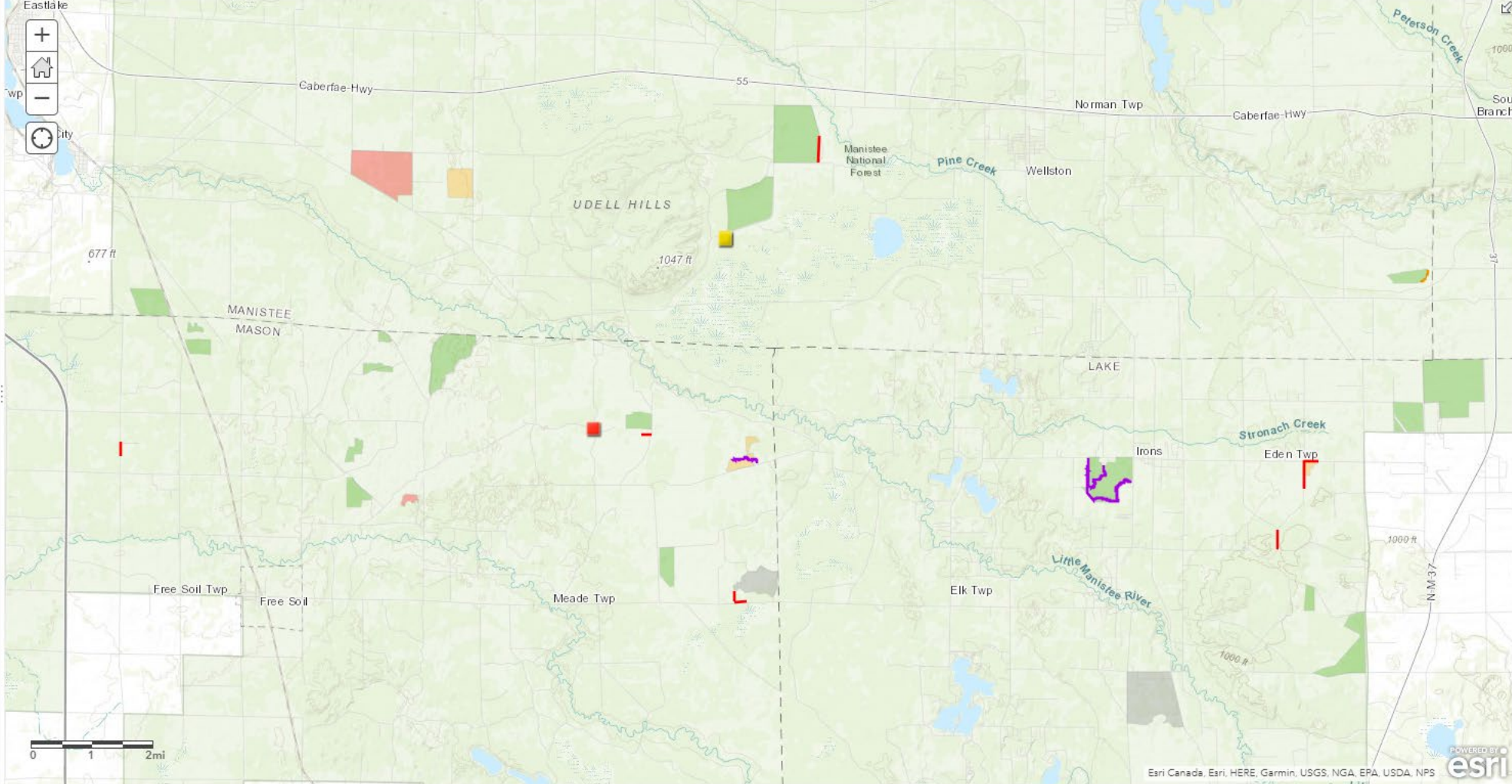
 Topographic

...



012mi





Map showing Udele Hills area with various colored polygons (red, orange, green, purple, grey) and labels: Eastlake, Caberfae Hwy, 55, Norman Twp, Wellston, Pine Creek, Manistee National Forest, UDELL HILLS, 1047 ft, MANISTEE MASON, 677 ft, LAKE, Irons, Eden Twp, Strongach Creek, Little Manistee River, Elk Twp, Meade Twp, Free Soil, Free Soil Twp, 1000 ft, N.M.37, Soul Branch, Peterson Creek, 1000 ft. Includes a scale bar (0-2mi) and a north arrow.

Trust Center

Contact Esri

Report Abuse

Contact Us

Powered by

esri

Esri Canada, Esri, HERE, Garmin, USGS, NGA, EPA, USDA, NPS

Relationship-of-th...png ^

word-image-394.jpeg ^

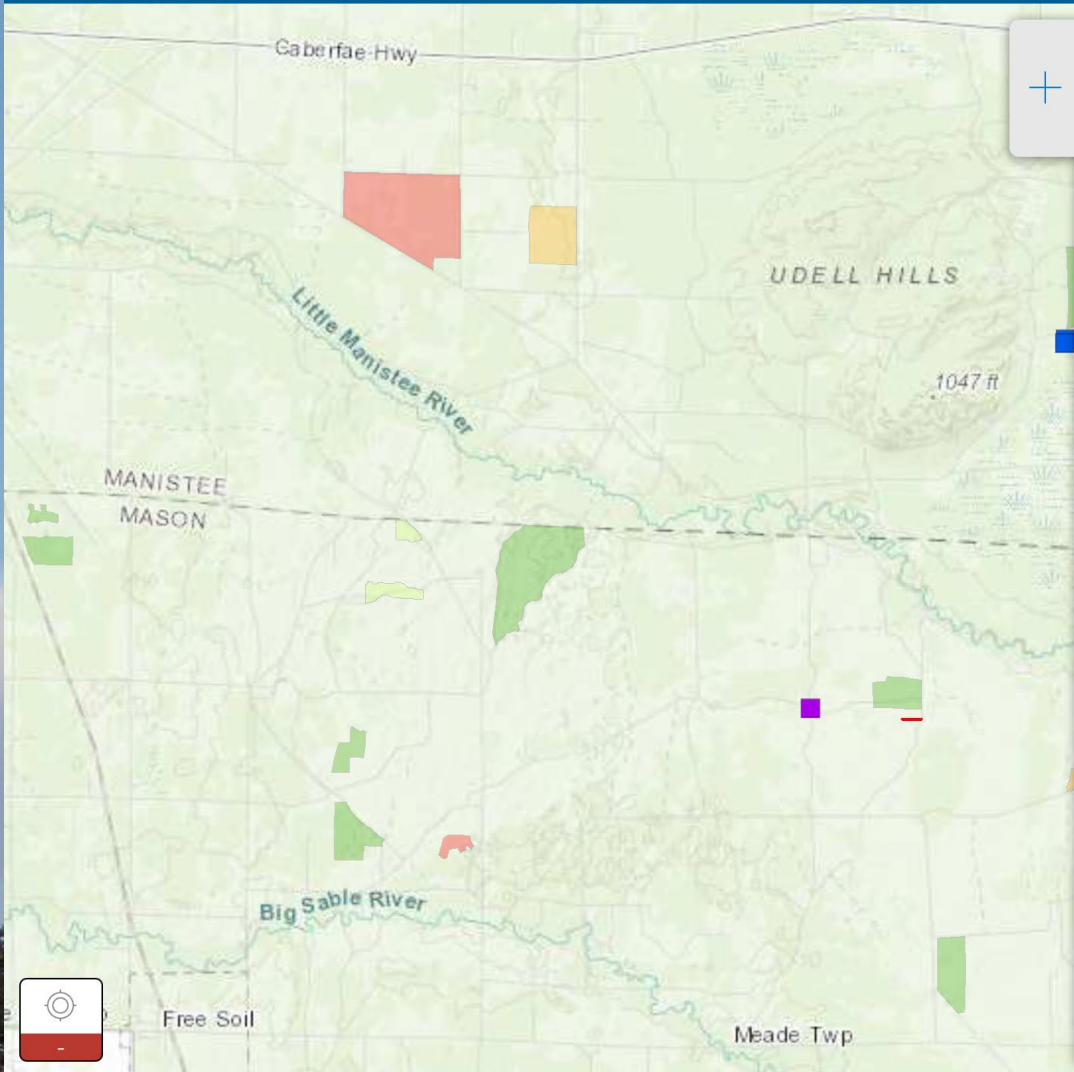
chain pin.jpg ^

Show all x

18:11 Tue Jun 1

34%

Maps



Collect a new feature

Filter



Plots Completed

West Zone Fuels Map - Field Notes (Points)



Need Plots

West Zone Fuels Map - Field Notes (Points)



Plots Partial Completion

West Zone Fuels Map - Field Notes (Points)



Category 4

West Zone Fuels Map - Field Notes (Points)



Category 5

West Zone Fuels Map - Field Notes (Points)



Fuel Break Completed

West Zone Fuels Map - Field Notes (Lines)



Fuel Break Needed

West Zone Fuels Map - Field Notes (Lines)



Proposed Handline

West Zone Fuels Map - Field Notes (Lines)



Proposed Dozer Line

West Zone Fuels Map - Field Notes (Lines)



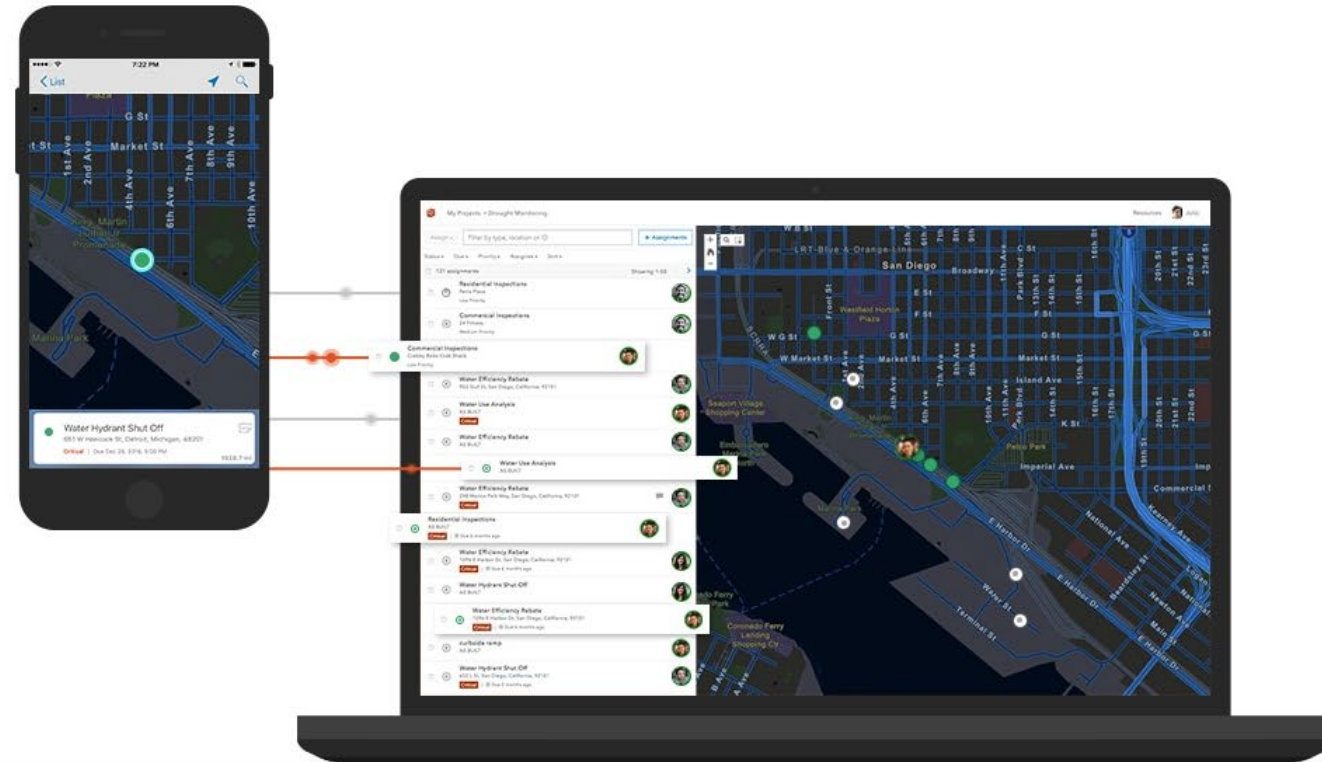
Proposed Mow line

West Zone Fuels Map - Field Notes (Lines)



ArcGIS Workforce

Smarter field workforce coordination at your fingertips



ArcGIS Workforce is a mobile app solution that uses the power of location to coordinate your field workforce. It integrates work management to reduce reliance on paper and provides everyone with access to the authoritative data they need. ArcGIS Workforce is designed to help you reduce errors, boost productivity, and save money.



Dispatchers use a web app to create assignments and send them to mobile workers while also tracking the location of workers in real time.

[Create your first assignment →](#)



Mobile workers use an app to complete To Do lists and get work assignments on their mobile devices. Dispatchers get progress updates.

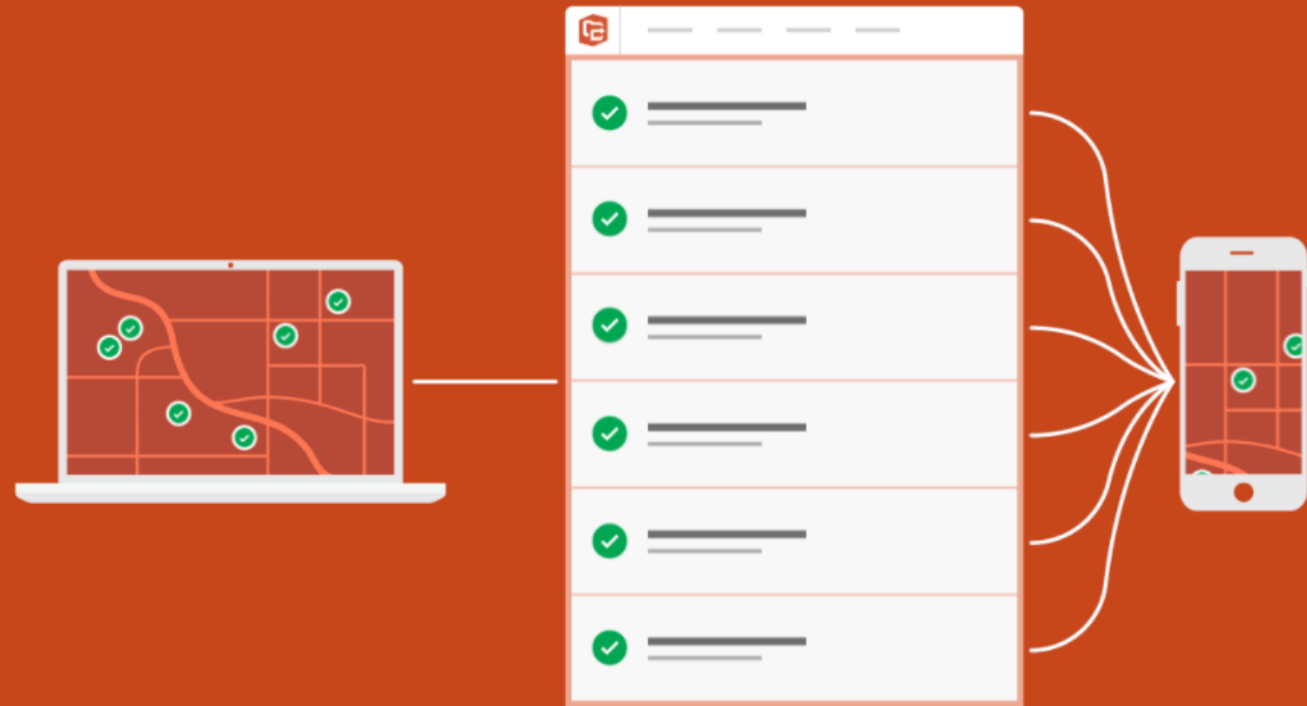
[Complete your first assignment →](#)



Dispatchers and mobile workers use the same Workforce project, created by the Project Owner. It defines the work type and worker roles.

[Create your first project →](#)

How Workforce works



Replay ↺



Assign ▼

Filter by type, location or ID

+ Assignments

Status ▾ Due ▾ Priority ▾ Assignee ▾ Sort ▾

2 assignments

Fuel Loading and Mortality

49402, Branch, Michigan

High | ⌚ 2 months ago

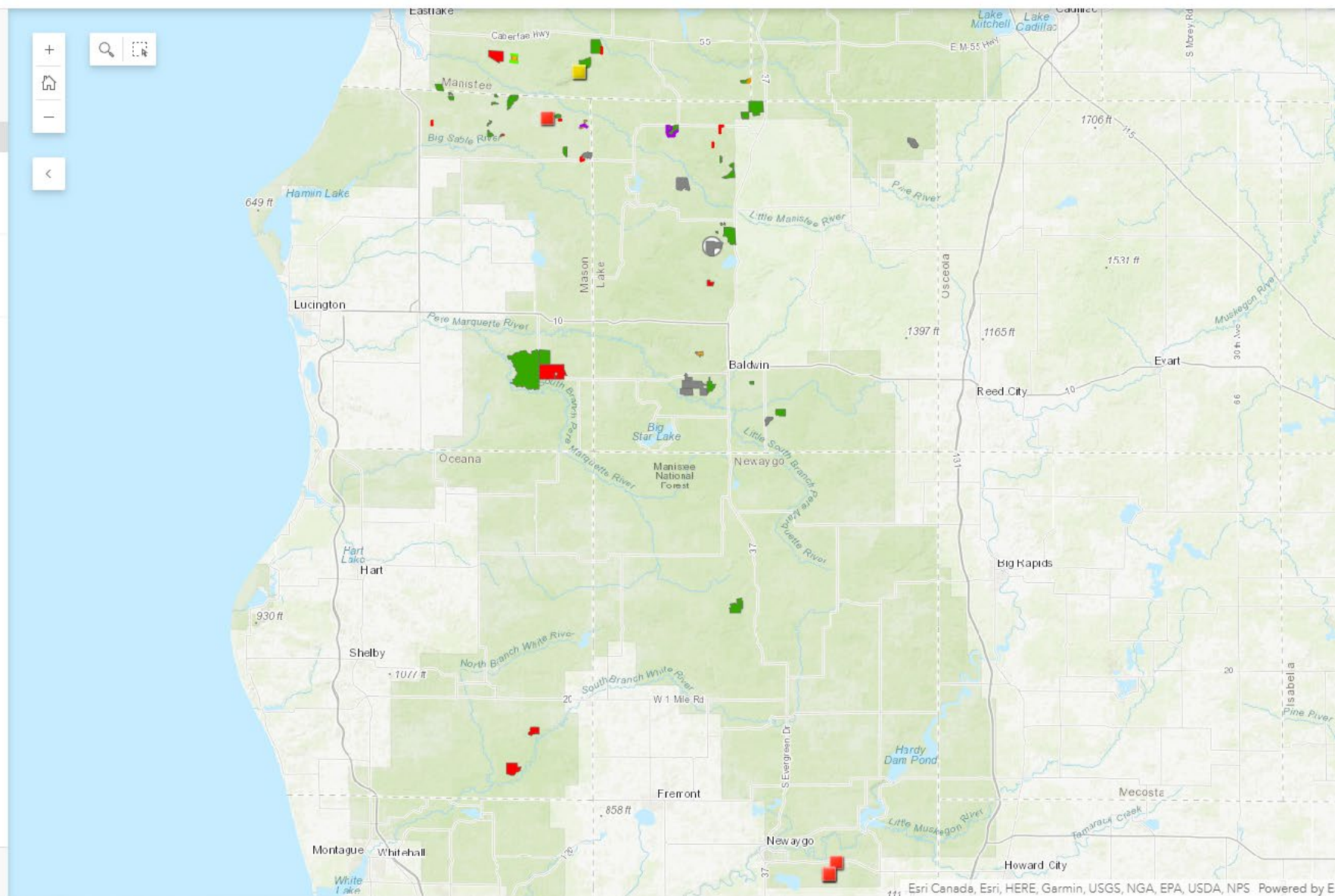
Fuel Loading and Mortality

49644, Irons, Michigan

Medium | 2 months ago

Assignments

Workers





ArcGIS Survey123

ArcGIS Survey123 is a simple and intuitive form-centric data gathering solution. Create, share and analyze surveys in just three easy steps.

[Learn more about Survey123](#)

[Sign In](#)

My Surveys + New survey

Search

All surveys

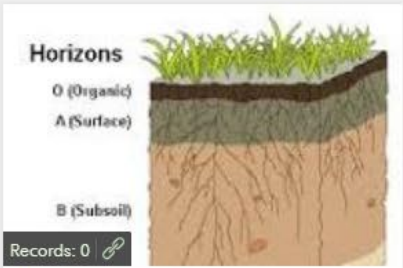
Count: 205


Records: 35
IQCS Record
by bstearns_usfs
[edit] [share] [stats] [list] [more]


Records: 0
Utility Fuel Breaks
by bstearns_usfs
[edit] [share] [stats] [list] [more]


Records: 97
Bole Char
by bstearns_usfs
[edit] [share] [stats] [list] [more]


Records: 75
Road Fuel Breaks
by bstearns_usfs
[edit] [share] [stats] [list] [more]


Records: 0
Fire Severity - Copy
by bstearns_usfs
[edit] [share] [stats] [list] [more]


Records: 135
West Zone Fuel Loading
by bstearns_usfs
[edit] [share] [stats] [list] [more]

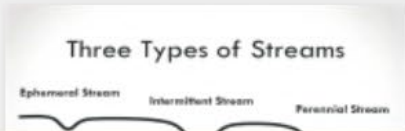

Records: 1
Test - Bird Cherry- CNF-KPZ Survey
by heather.thamm_usfs
[edit] [share] [stats] [list] [more]


Records: 3
GMFL Road Condition Survey
by USFSRegion09_GreenMountainFingerL...
[edit] [share] [stats] [list] [more]









ArcGIS Survey123

My Surveys

Organization

Help

<

New survey

USING THE WEB DESIGNER



Blank survey

- Start from scratch
- Design your own survey
- Use a drag-and-drop editor

Get started



Template survey

- Browse industry templates
- Pre-configured questions
- Use a drag-and-drop editor

Get started

USING SURVEY123 CONNECT



Survey123 Connect

- Use a desktop application
- Full smart form capabilities
- Edit an XLSForm spreadsheet

Get started

ArcGIS Survey123

My Surveys

Organization

Help

< New survey



Name *

The name of your survey

Tags *

Separate tags with commas

Summary

Summary will display in the Overview page of the survey

Create

Cancel

Fuels Workshop2021

Overview

Design

Collaborate

Analyze

Data

Settings



Fuels Workshop2021

Description content for the survey

Please drag from or press on the right panel to add your first question.

Submit

Powered by ArcGIS Survey123



Add



Edit



Appearance



Options



Singleline Text



Multiline Text



Single Choice



Single Choice Grid



Multiple Choice



Dropdown



Rating



Likert



Number



Date



Time



Date/Time



Image



File Upload



Map



Ranking



Email



Website



Signature



Note



Group



Page

Saved



Preview

Publish

Fuels Workshop2021

Description content for the survey

1

Untitled Question 1

-Please Select-

Submit

Powered by ArcGIS Survey123

Add

Edit

Appearance

Options

Dropdown

Label

Untitled Question 1

Hint

B

A

Tell user how to fill this question

Choices

Batch Edit

Show choices in random order (exclude "Other")

Choice 1

Choice 2

Choice 3

Allow "Other"

Other

Appearance

Autocomplete

Validation

Save

Preview

Publish

7:00 AM

herbaceous composition

Overview

Design

Collaborate

Analyze

Data

Settings



Add



Edit



Appearance



Options



Singleline Text



Multiline Text



Single Choice



Single Choice Grid



Multiple Choice



Dropdown



Rating



Likert



Number



Date



Time



Date/Time



Image



File Upload



Map



Ranking



Email



Website



Signature



Note



Group



Page

Saved



Preview

Publish

3

Project or Fire Name

4

Plot Number

5

% Vegetation Cover

How much of the ground is covered with plants? Do not count Litter.



6

Grass Present Cover

7

Sedge Present Cover

8

Leafy Plant Present Cover



Questions?

