

How to get Fire and Local Emergency Information

1. Rave Mobile Safety App: This is call “**Smart911app**” for your iPhone and Android. To set up, text Anchorage” to 67283. “This app sends text messages to your cell phone”



2. **PulsePoint** APP can be used for real time AFD responses. This app provides automatic information, but may be too much. Specific notifications can be set up



**DOWNLOAD THE
PULSEPOINT RESPOND APP**

3. **IPAWS** is the system that sends alerts to all cell phones. It requires notification from OEM or NOAA and will likely be used for the official evacuation notice to residents.

4. KFQD Radio at AM 750 or FM 103.7 (Initial Emergency Alert System)

5. Emergency Status Website:

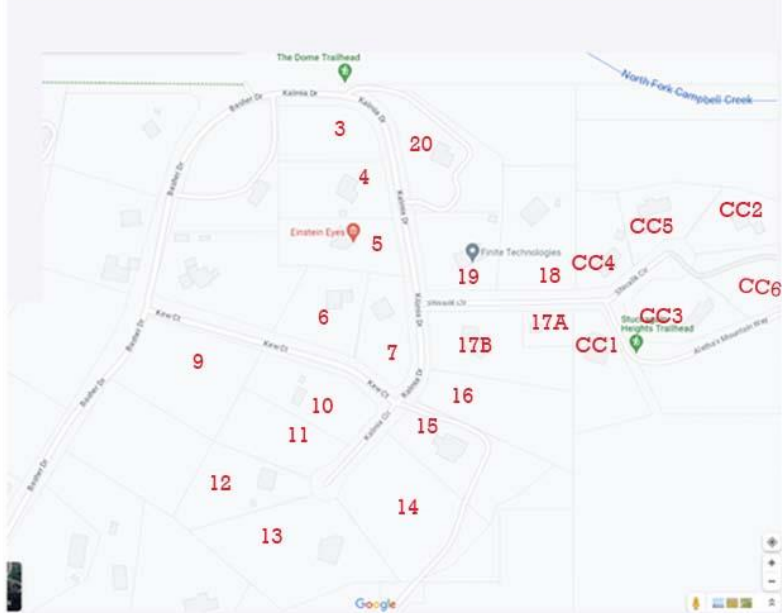
<https://www.muni.org/departments/oem/emergencymessages/pages/default.aspx>

6. Stuckagain Fire Resilience Documents and Plan:

<https://drive.google.com/drive/u/0/folders/1ERRVXw2Edfh2GAij6G8bDzEC86AqQ-bZ>

Example of Phone Tree

Near Point Knoll and Campbell Canyon



Updated: 9/8/2023

Last Name	First Name	Lot #	Mailing Address	Cell Phone	Email
Weiss	Troy and Janet	3&4	6064 Kalmia Drive	223-0290-Troy 229-6850-Janet	troydweiss@gmail.com janetweiss86@gmail.com
Rosen	Carl and Reachel	5			
Kasteler	Todd Kasteler & Wendy Moe	6			
Hrgovic	Marko and Brittany	7			
Bryan	James	9			
Fuller	Richard and Kristi	10			
Klein	John and Robin	11 & 12			
????		13			
Welles	Luke & Laura	14			
Shabani	Naim and Vjolca	15			
Ossenkop	Charles and Norma	16			
Herri	Joseph	17A			
Hu	Chester and Lidia	17B			
Henderson	Scott	19			
Hufford	Chad and Tiffany	18			
Tierney	Steve and Michelle	20			
Campbell Canyon Homeowners Assn					
McKinmys	Rob and Jane	CC1			
Everett	Ron	CC2			
Moon	Paul and Choi	CC3			
Matthys	David & Traci	CC4			
Noel	Cory and Cassie	CC5			
Mitchel	John Mitchel Tina Boucher	CC6			

Rabbit Creek Community Council: wildfire modeling

Jennifer Schmidt (jischmidt@alaska.edu, 907-786-5497)

UAA

Institute of Social and Economic Research

October 12, 2023

Fire moves fast and is hot!!!



SCAN ME

<https://bit.ly/alaskawildfirevideos>

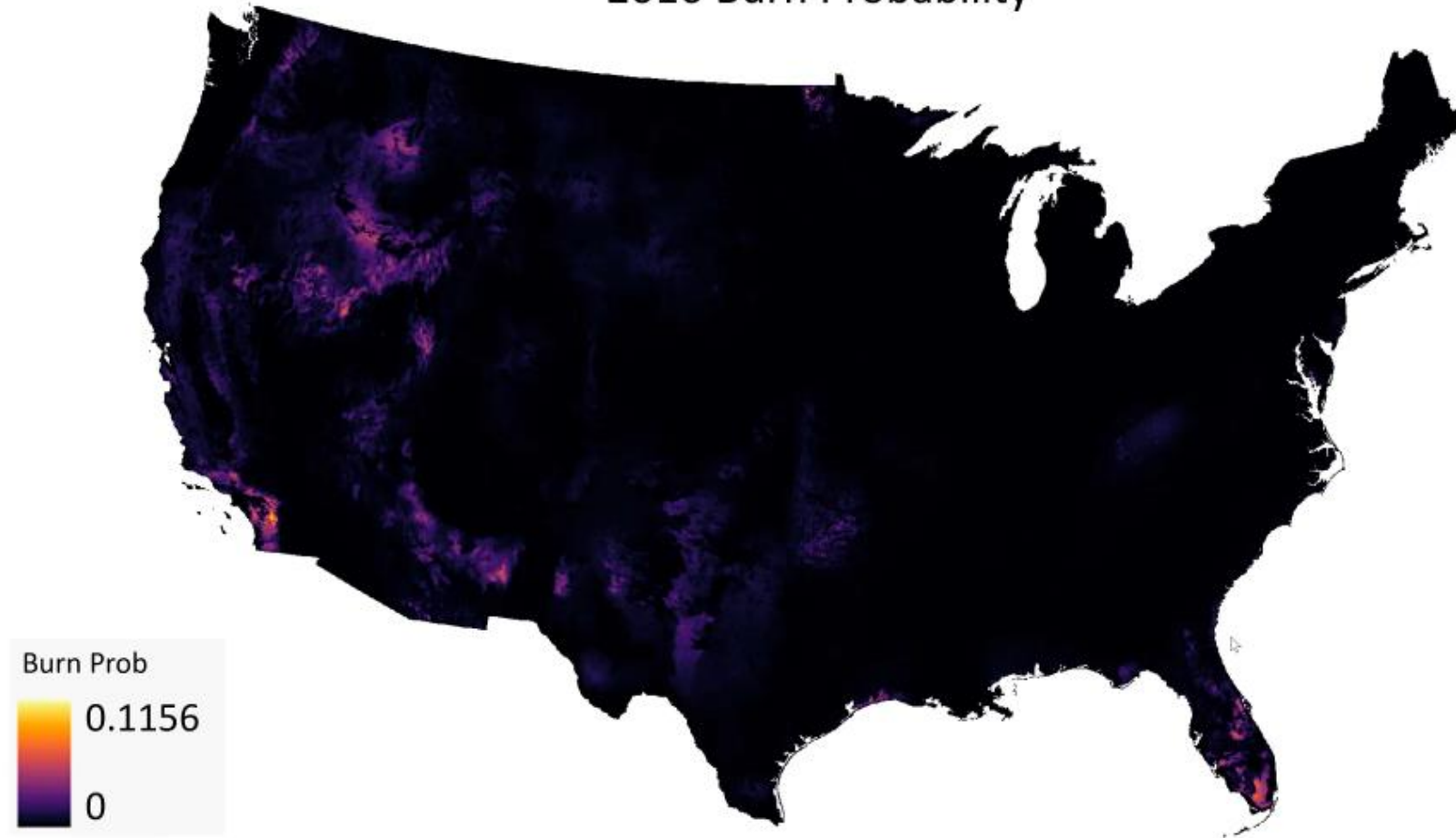
Fire modeling

- Science and an art
- Predicting wildfire activity is extremely challenging!
- Focus on protecting from an extreme event, rather than predicting
- Work towards making homes less vulnerable and less fragile in the face of a wildfire

GOAL: To use what we can from fire modeling to get us thinking about possibilities and increase preparedness!

Burn probability

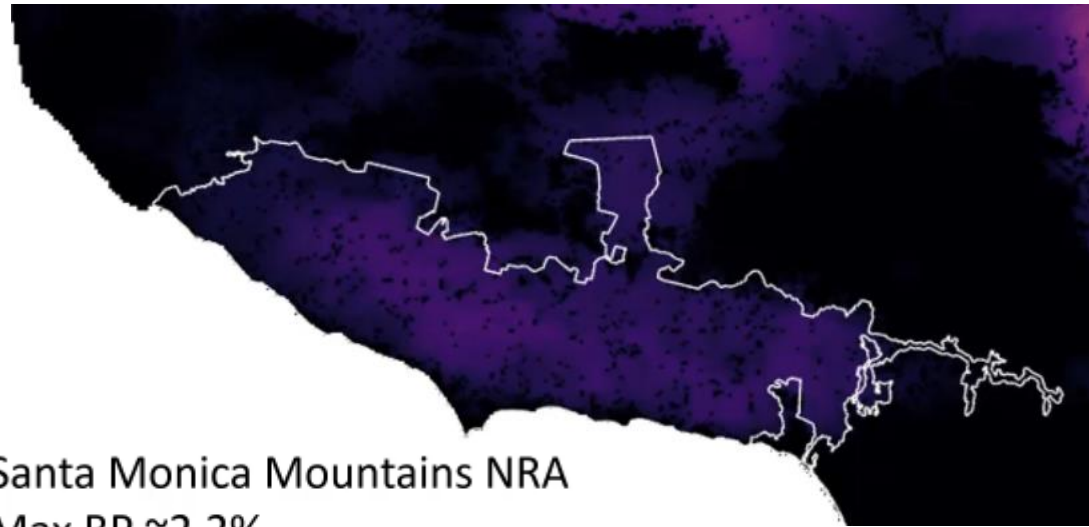
2016 Burn Probability



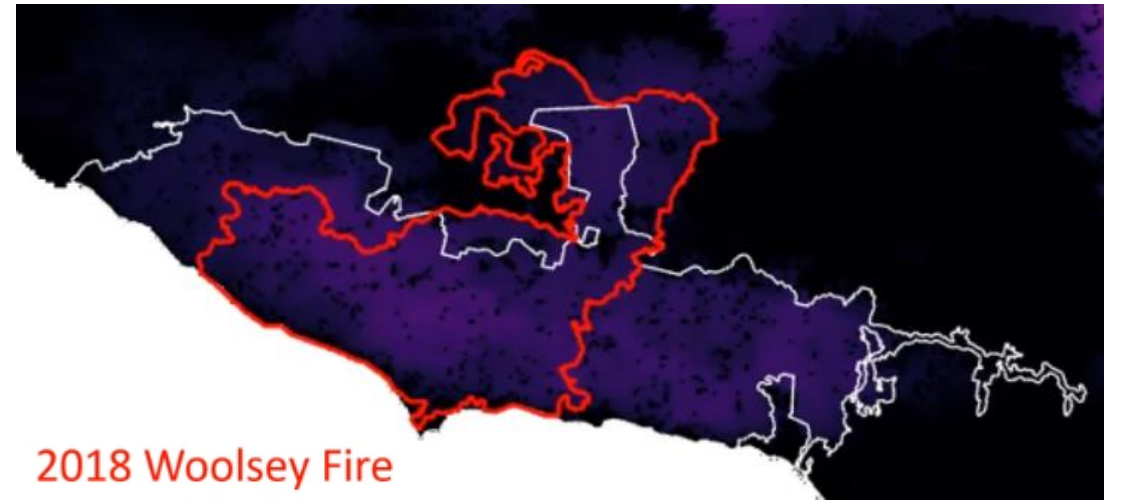
<https://vimeo.com/329410646>

Minutes 14-24

Burn probability



Santa Monica Mountains NRA
Max BP ~2.2%

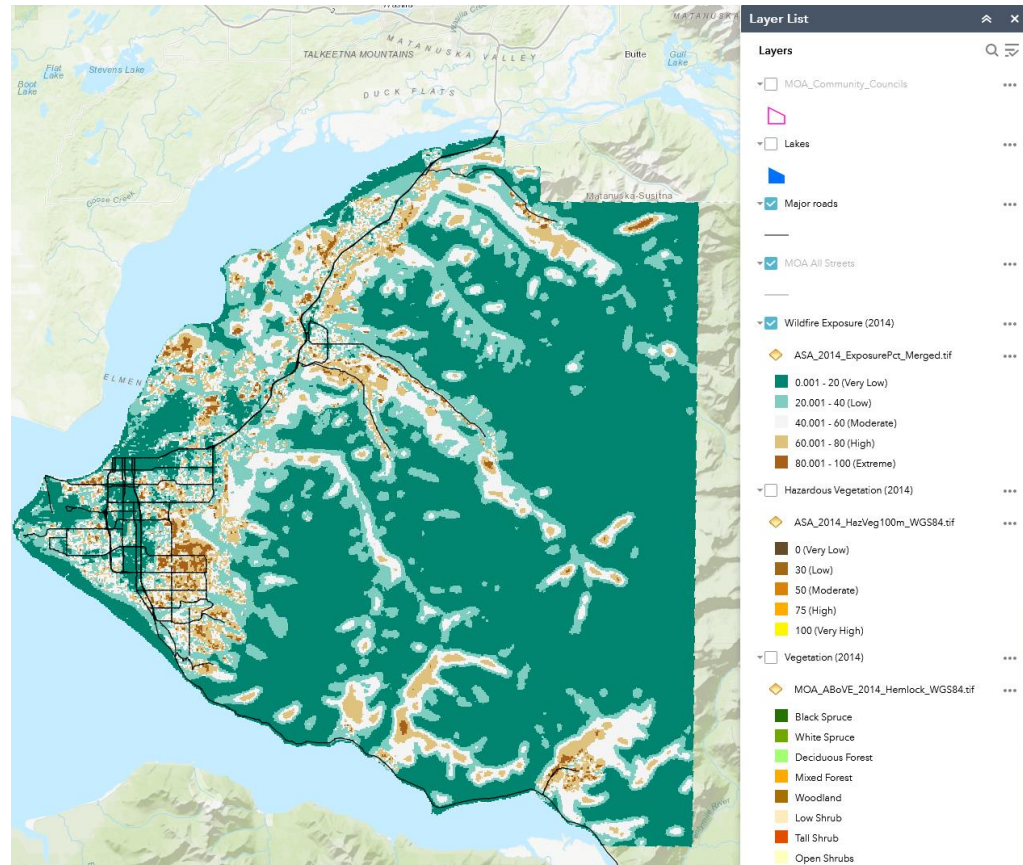


2018 Woolsey Fire
~85% of the Park burned

<https://vimeo.com/329410646>

Minutes 14-24

New wildfire exposure online app for residents



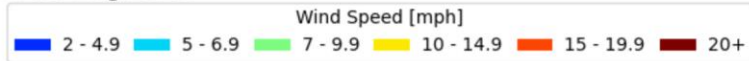
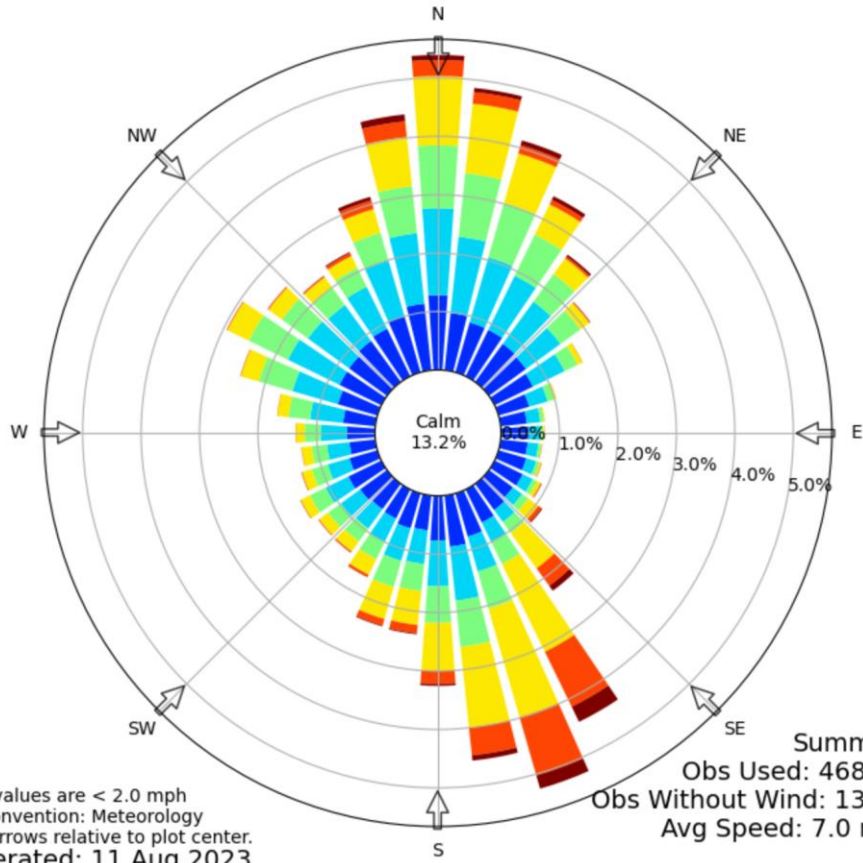
- Short cut:
<https://bit.ly/moawildfireexposure>



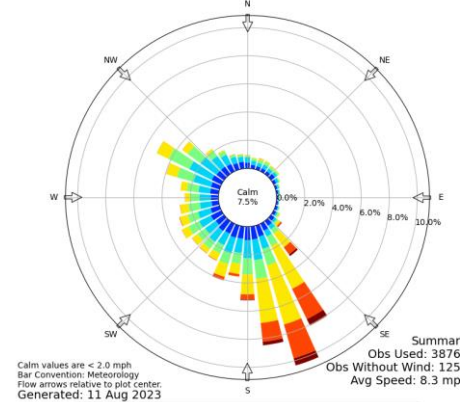
Wind roses: fire weather



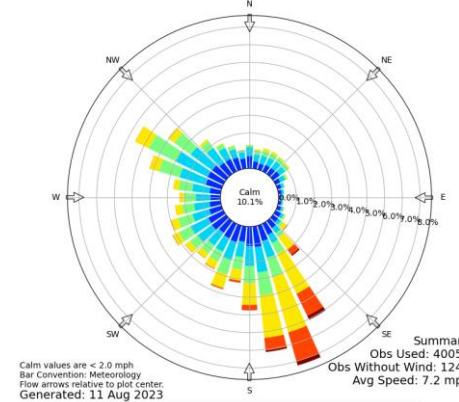
Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 31 Dec 1969 09:00 PM - 10 Aug 2023 10:53 PM America/Anchorage



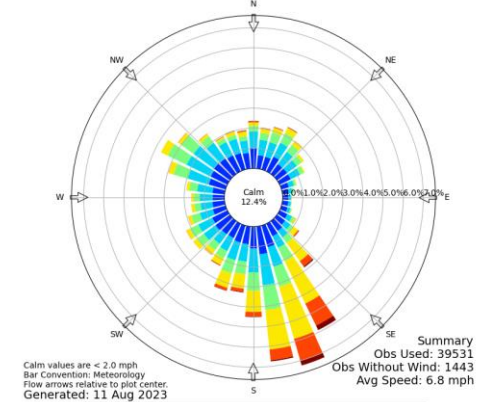
Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 01 Jun 1970 12:00 AM - 30 Jun 2023 11:53 PM America/Anchorage
↳ constraints: Jun



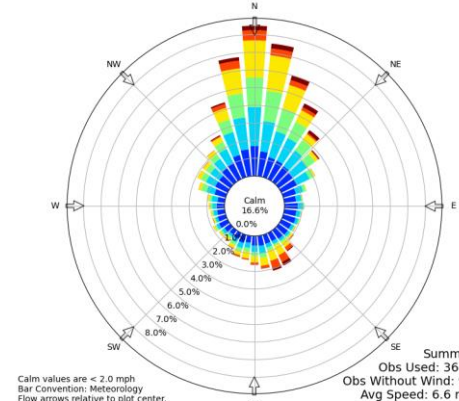
Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 01 Jul 1970 12:00 AM - 31 Jul 2023 11:53 PM America/Anchorage
↳ constraints: Jul



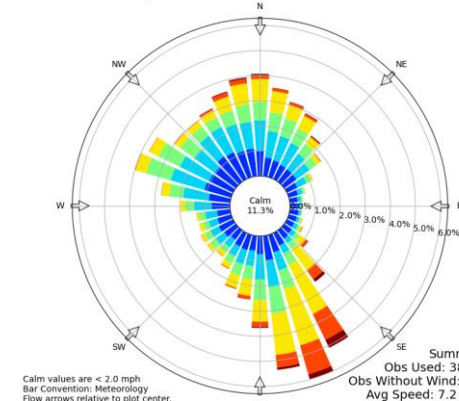
Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 01 Aug 1970 12:00 AM - 10 Aug 2023 10:53 PM America/Anchorage
↳ constraints: Aug



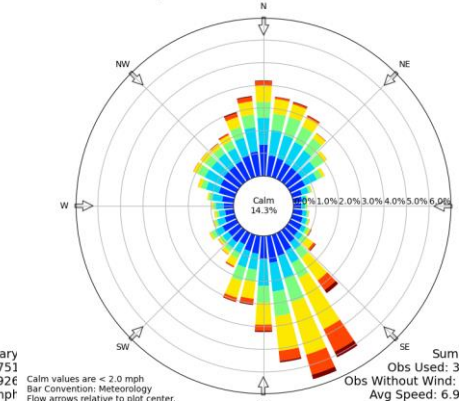
Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 01 Feb 1970 12:00 AM - 28 Feb 2023 11:53 PM America/Anchorage
↳ constraints: Feb



Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 01 Apr 1970 12:00 AM - 30 Apr 2023 11:53 PM America/Anchorage
↳ constraints: Apr



Windrose Plot for [PANC] ANCHORAGE INTL ARPT (ASOS)
Obs Between: 01 Sep 1970 12:00 AM - 30 Sep 2022 11:53 PM America/Anchorage
↳ constraints: Sep



Simulate fires based on start and weather:



- 20 mph
- Winds from SSE (165 degrees)

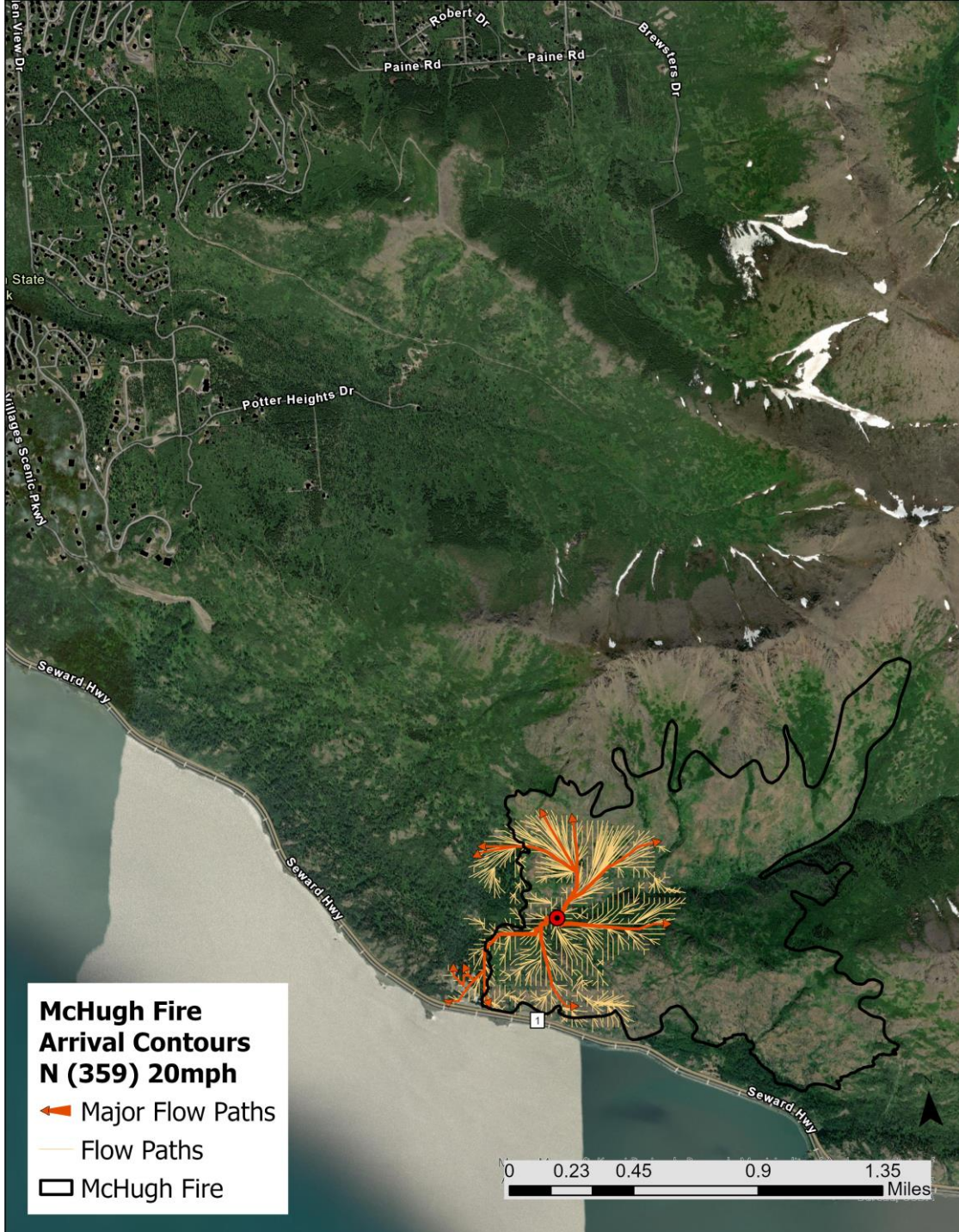
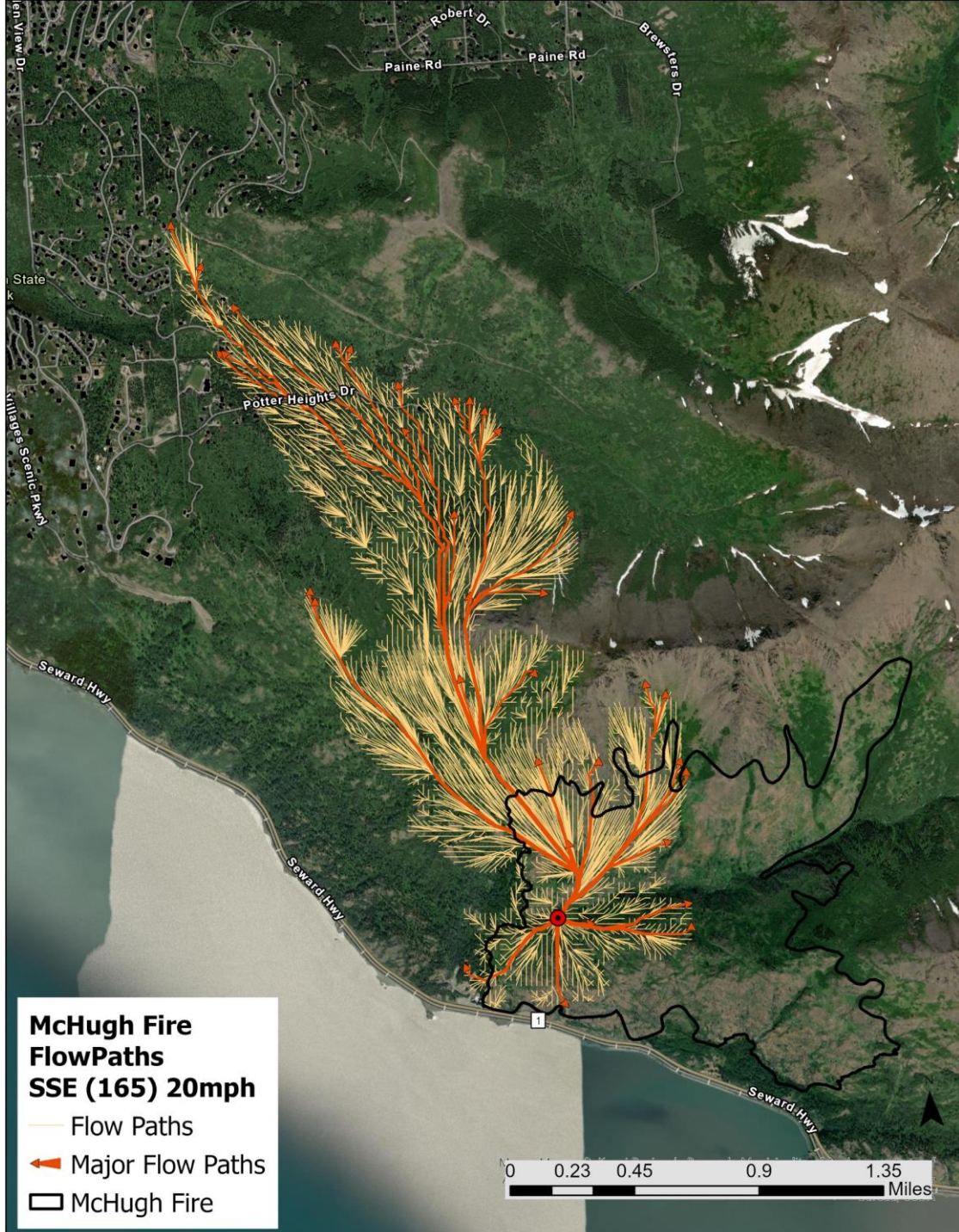
Fairly dry conditions
with high spotting

- 20 mph
- Winds from N (359 degrees)

Real fire

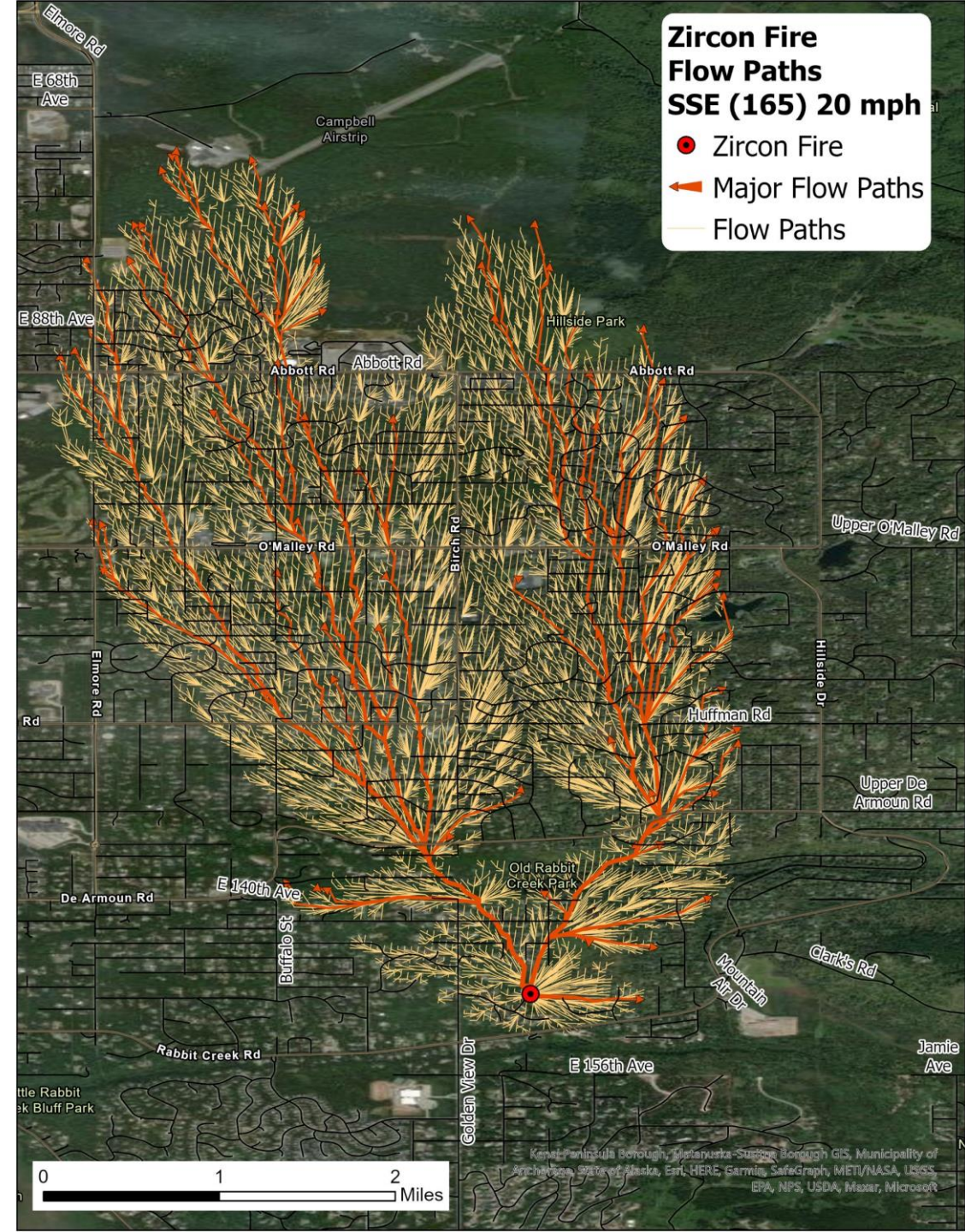
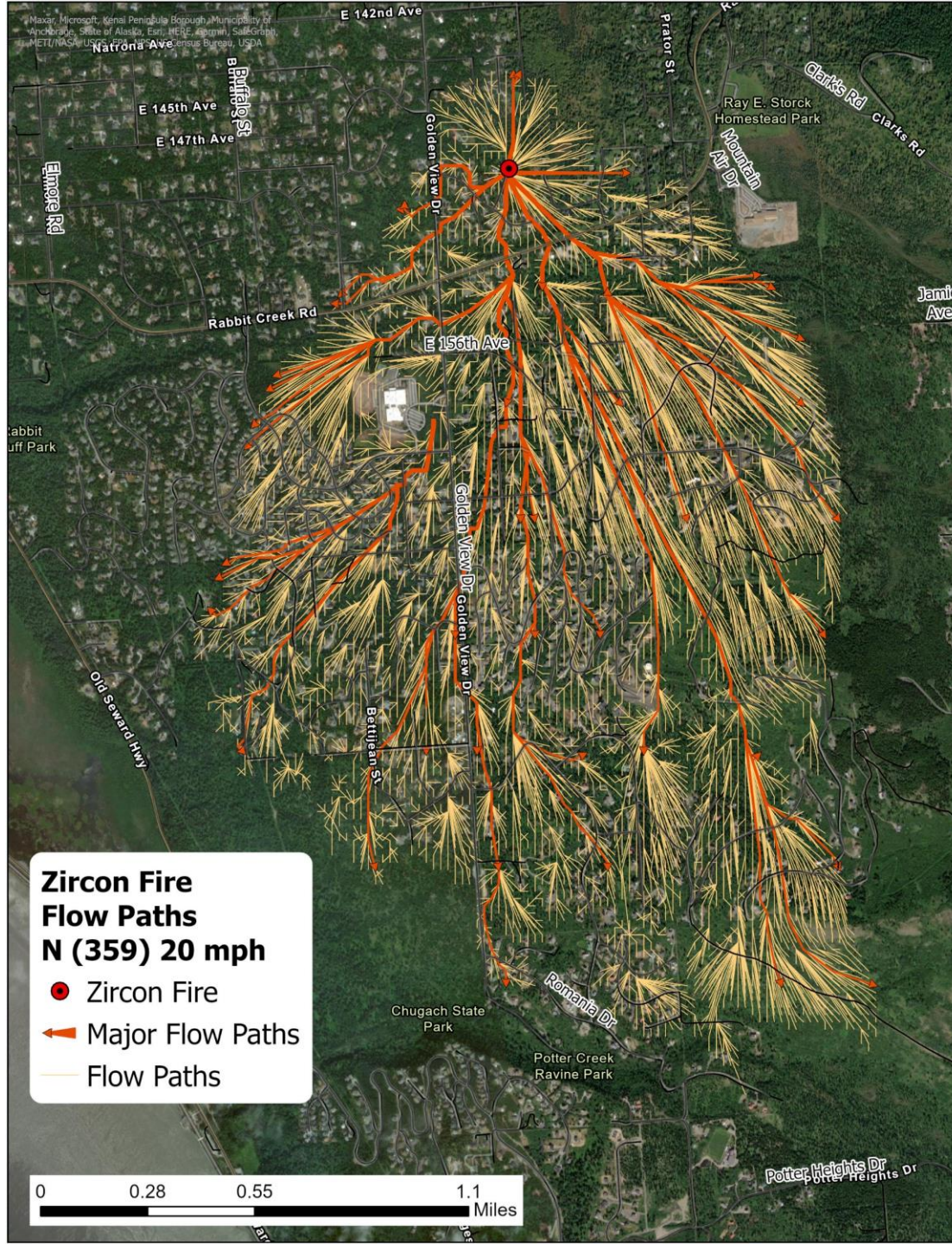
Note: fires create their own winds, no suppression activities

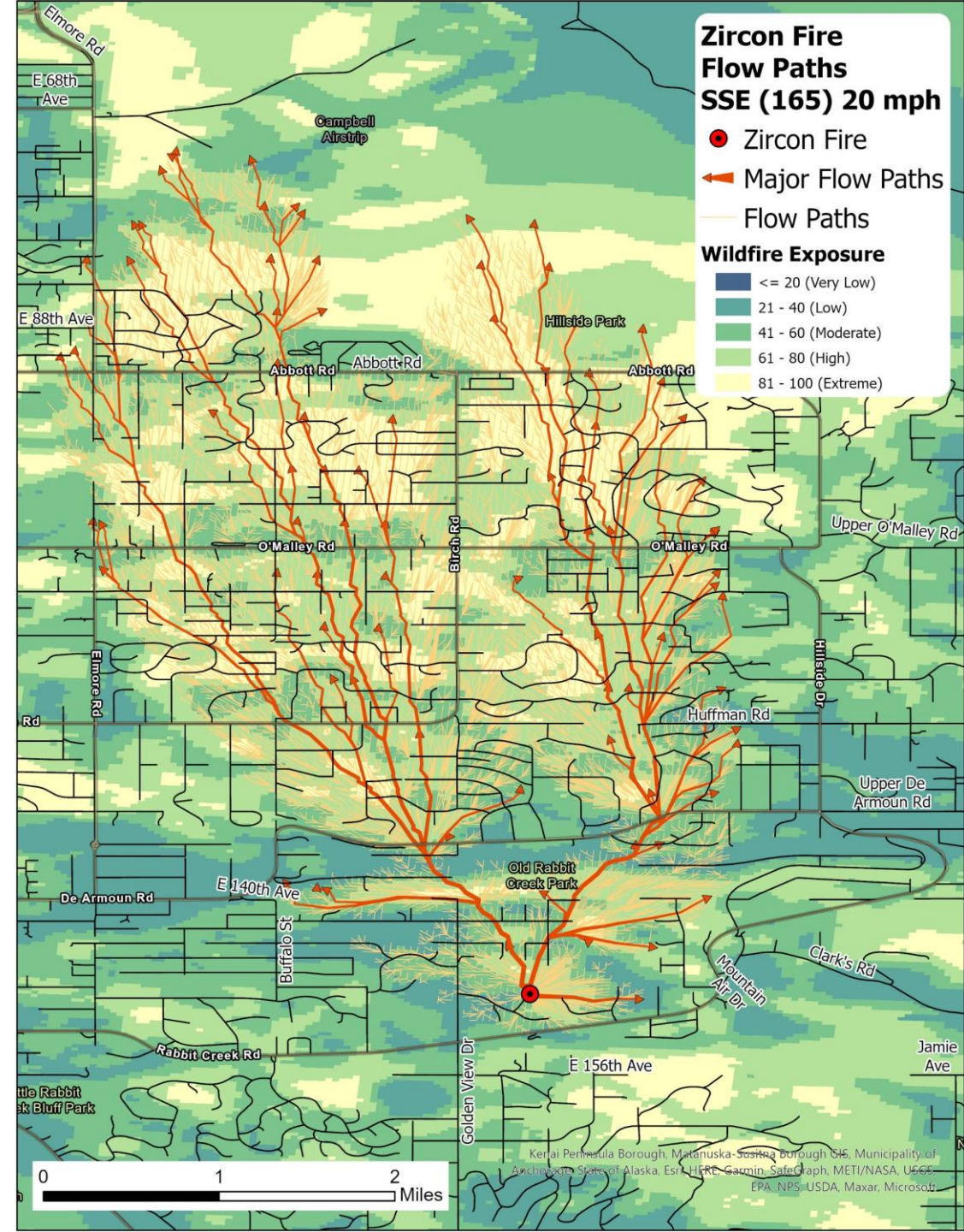
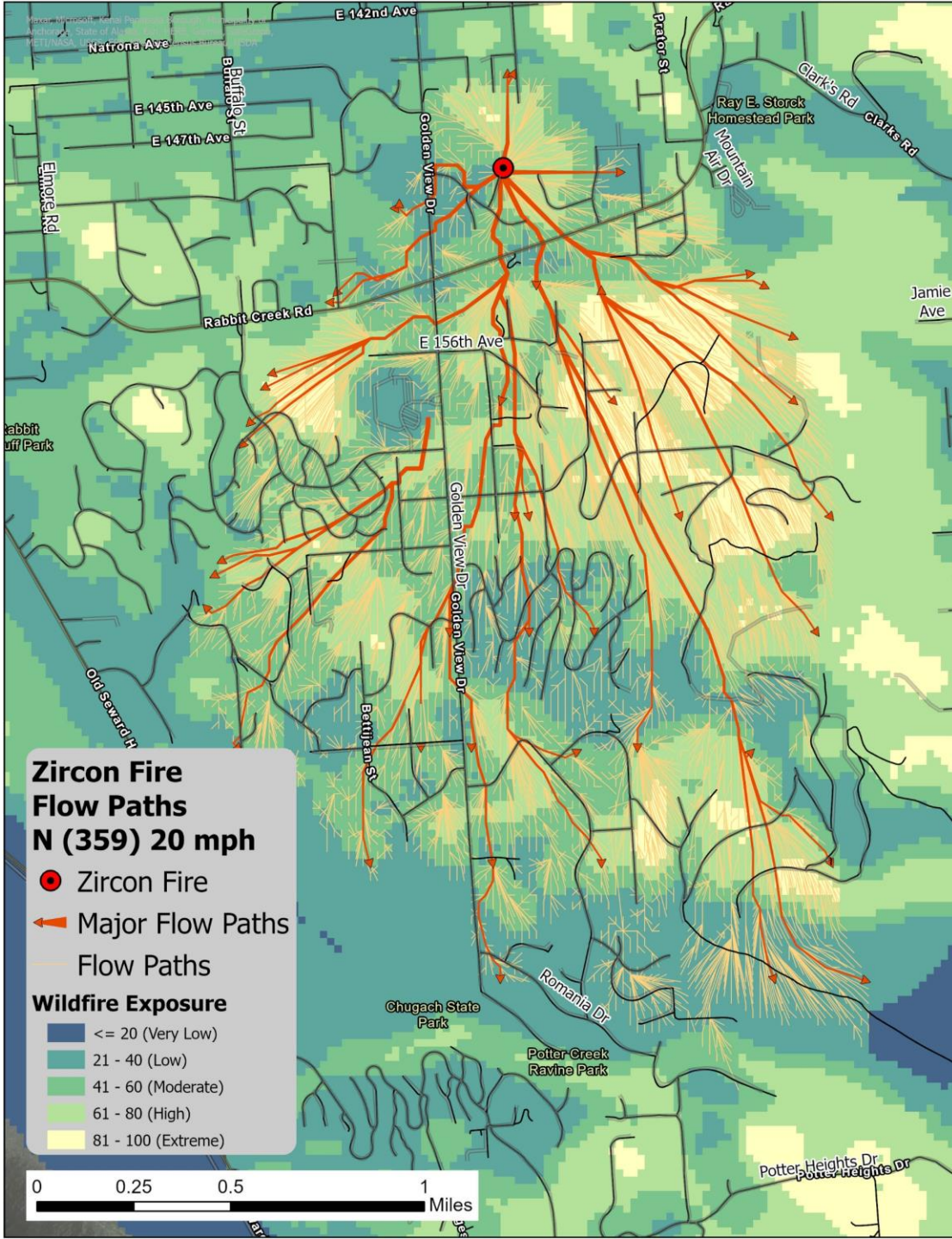
Travel paths based on fuel, terrain, and winds

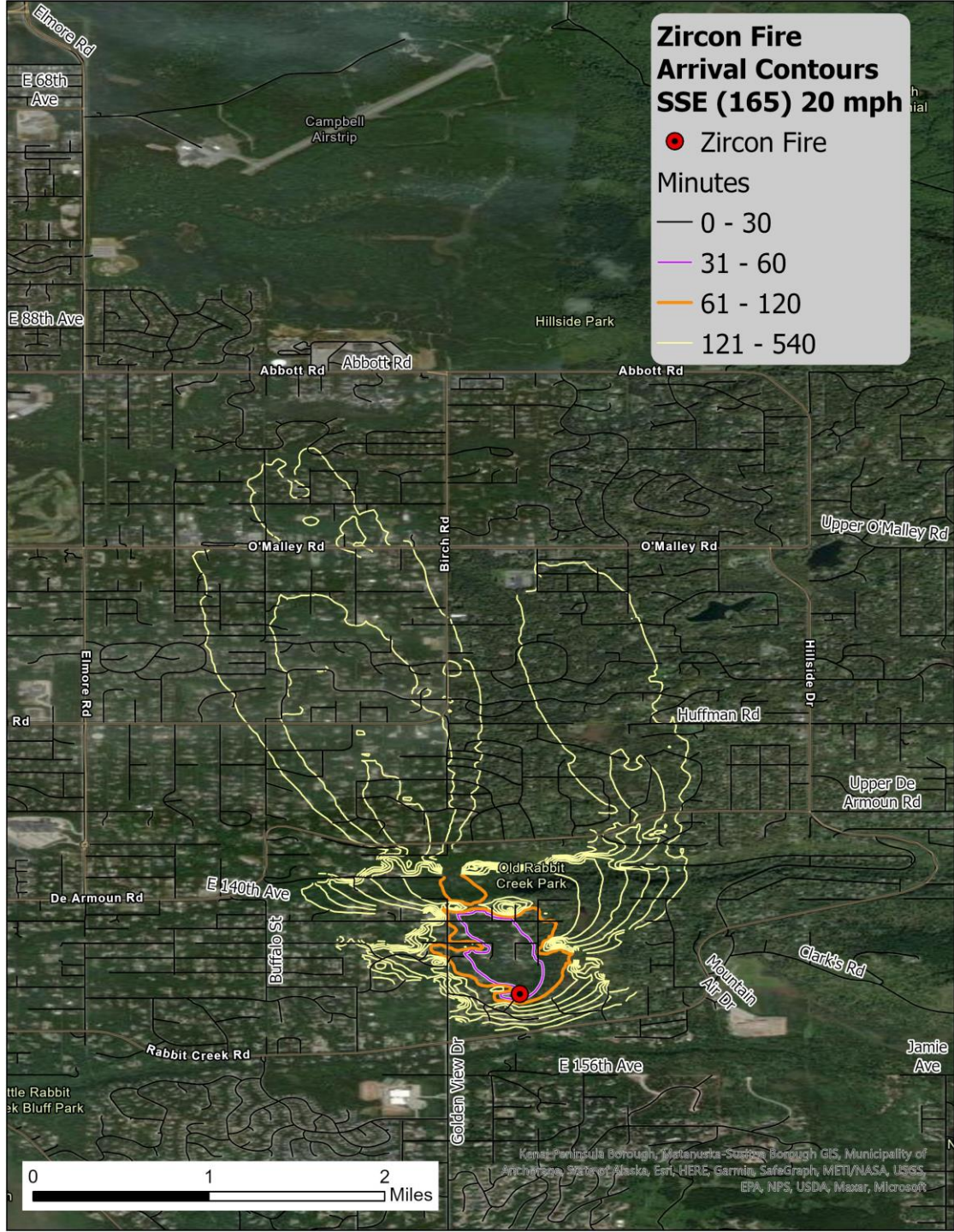
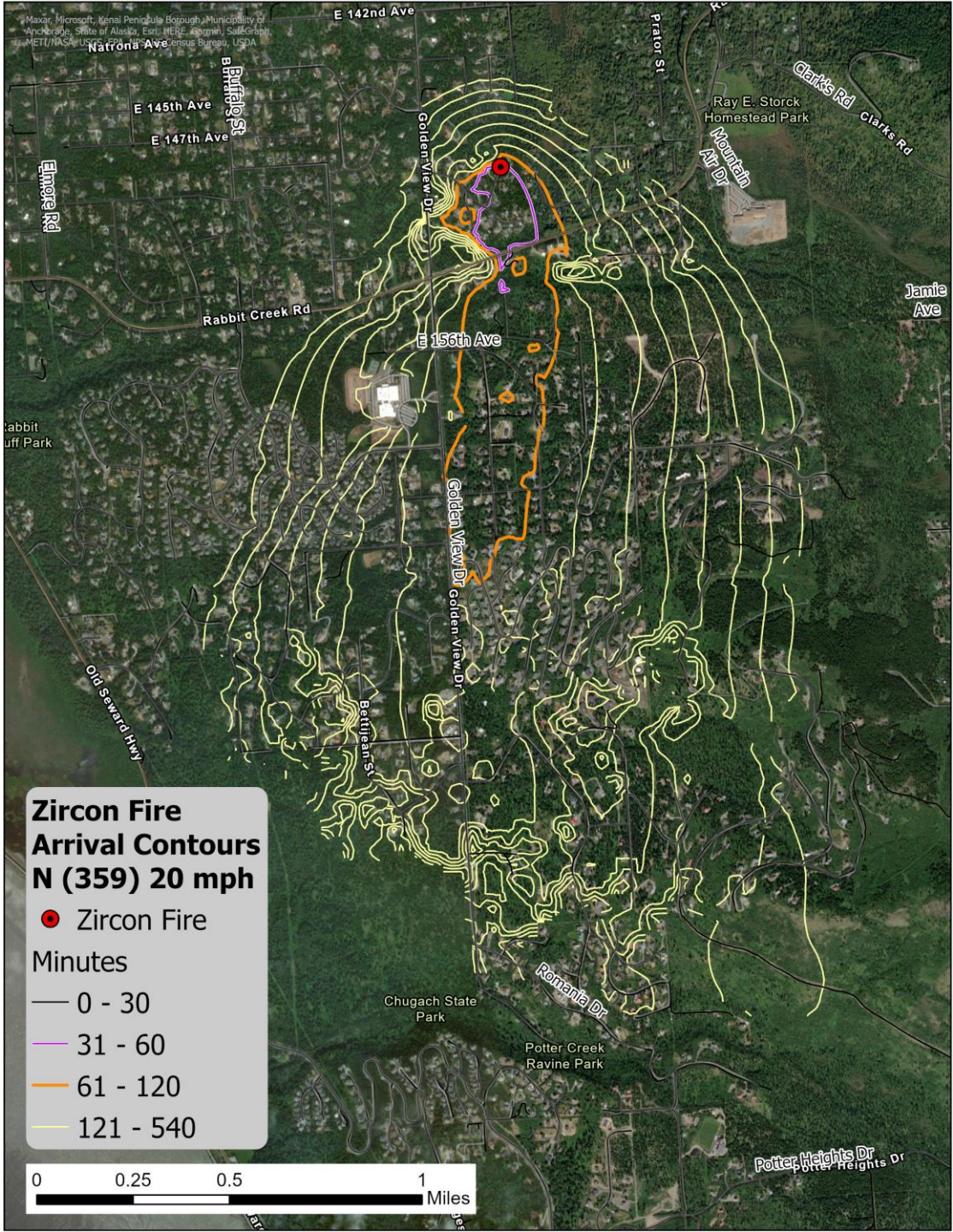


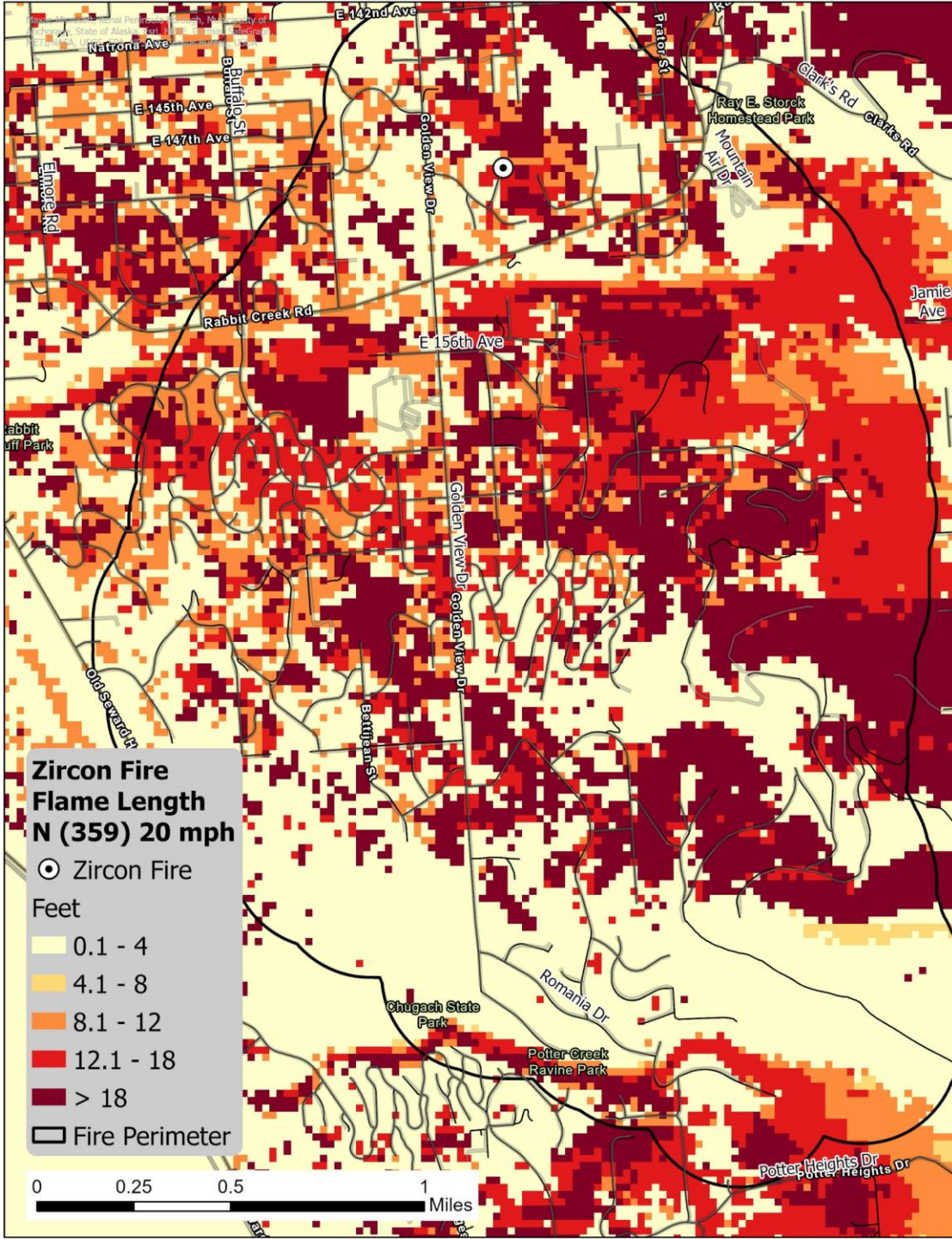
Note: fires create their own winds, no suppression activities

Travel paths based on fuel, terrain, and winds

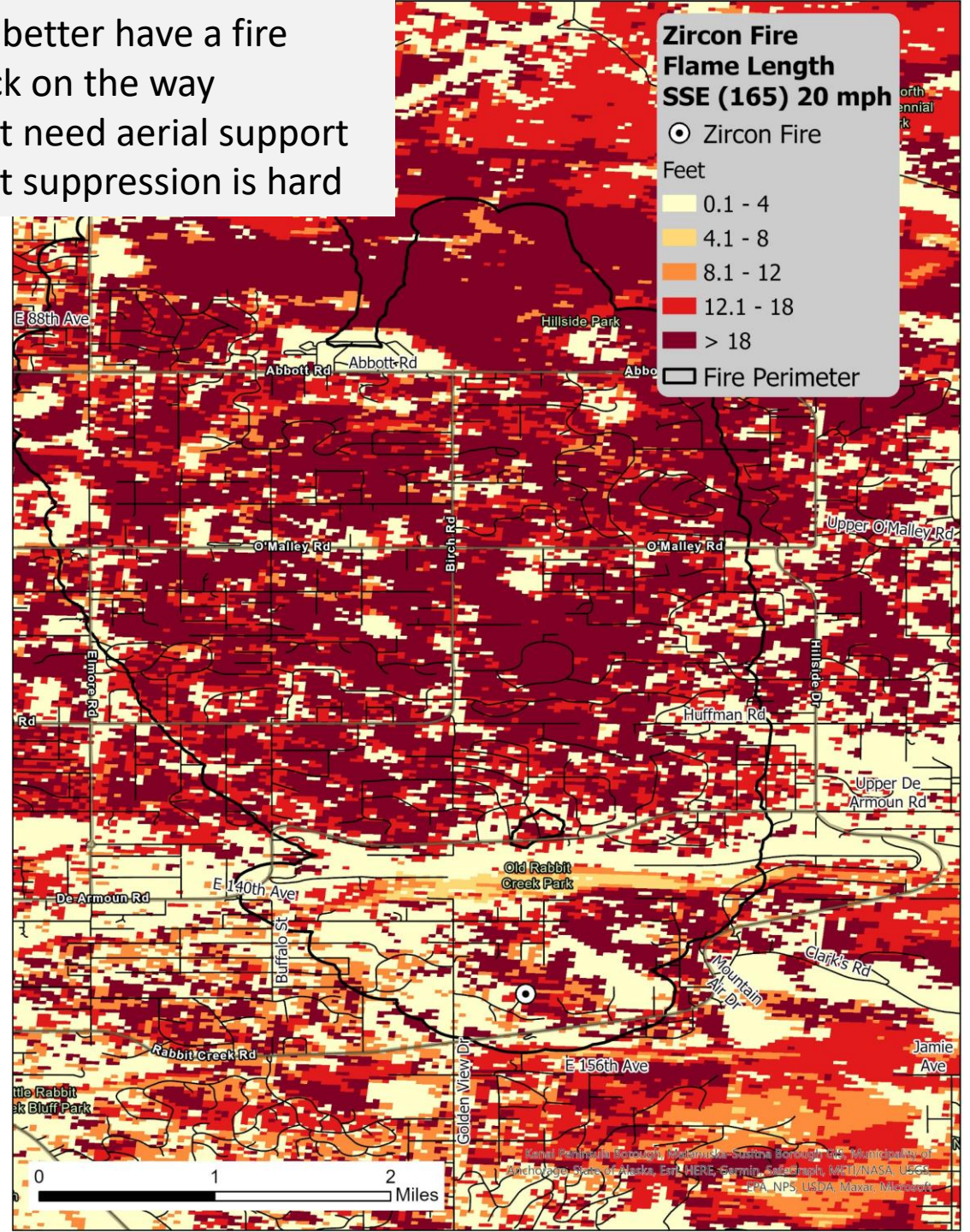




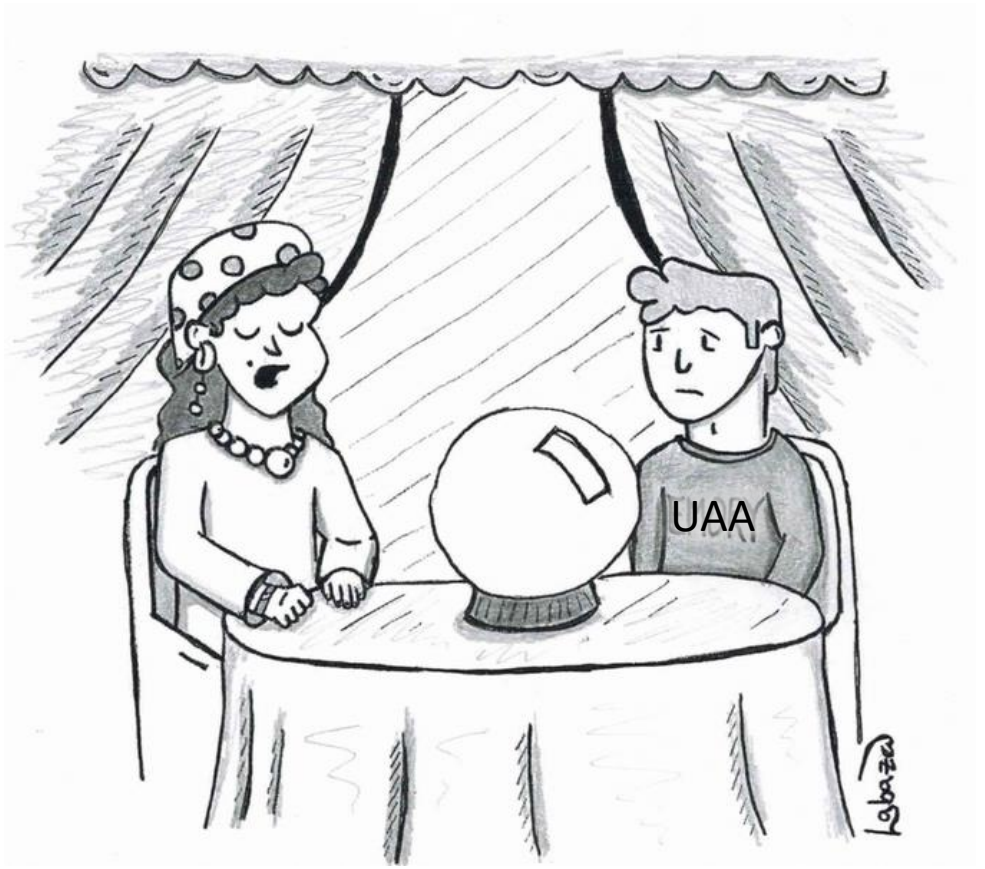




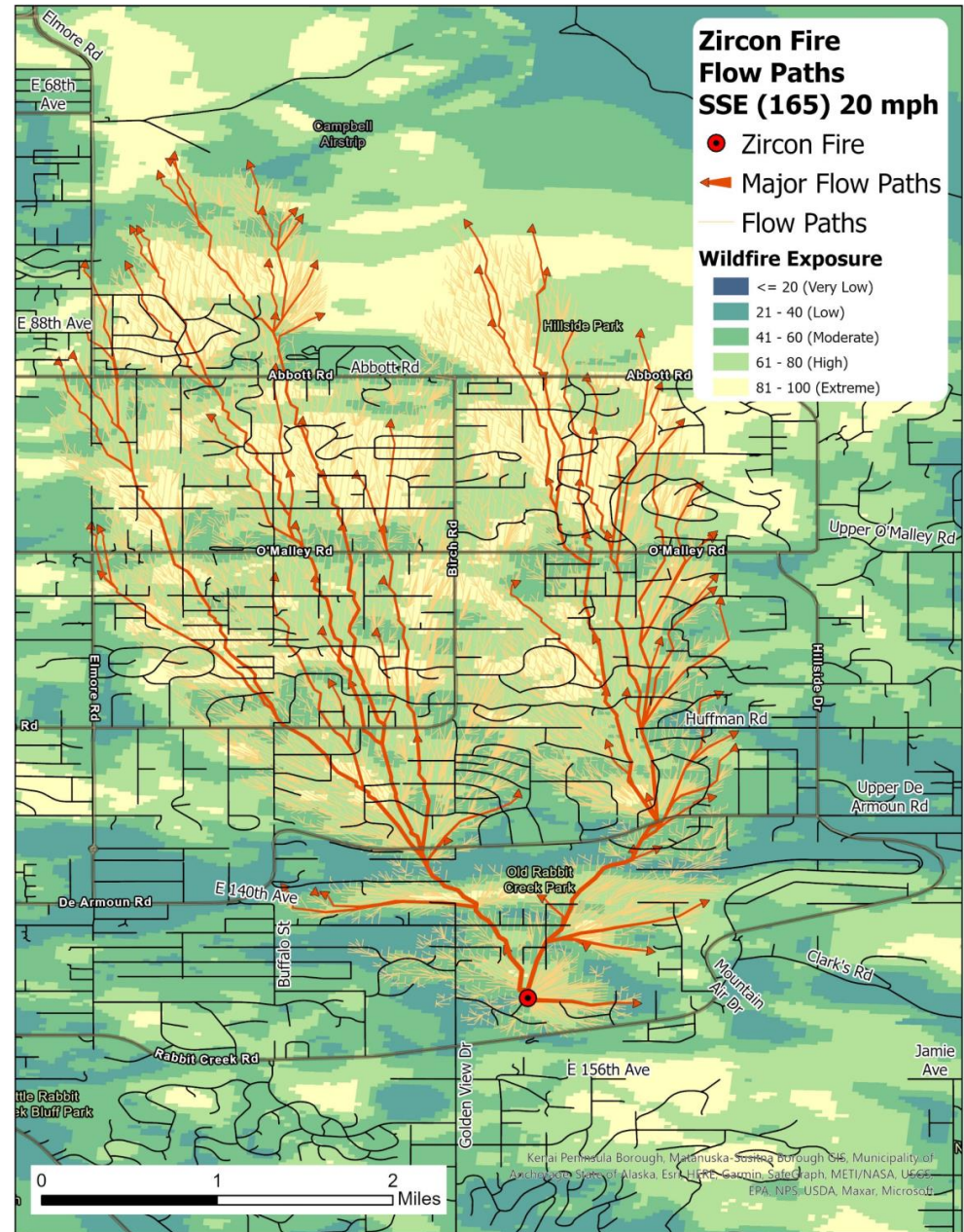
8 ft better have a fire truck on the way
 12 ft need aerial support
 18 ft suppression is hard







I can't tell you where a fire will happen, but I can tell you a fire will happen.



Interest in other hypotheticals

- Service High
- Bear Valley
- Basher Area

Flammap: other products

- ✗ • Wind Vectors
- ✗ • MTT Flow Paths
- ✗ • MTT Major Paths
- ✗ • MTT Arrival Contour
- ✗ • Minimum Travel Time Ignitions
- ✗ • Ember Landing Locations
- Ⓐ • Flame Length
- Ⓐ • Rate of Spread
- Ⓐ • Crown Fire Activity
- Ⓐ • Max Spread Direction
- Ⓐ • Elliptical Dimension a
- Ⓐ • Elliptical Dimension b
- Ⓐ • Elliptical Dimension c
- Ⓐ • MAXSPOT (Combined)
- Ⓐ • Crown Fraction Burned
- Ⓐ • Wind Direction
- Ⓐ • Wind Speed
- Ⓐ • MTT ROS
- Ⓐ • MTT Arrival Time

There are many products that we can explore as people see fit.

Summary

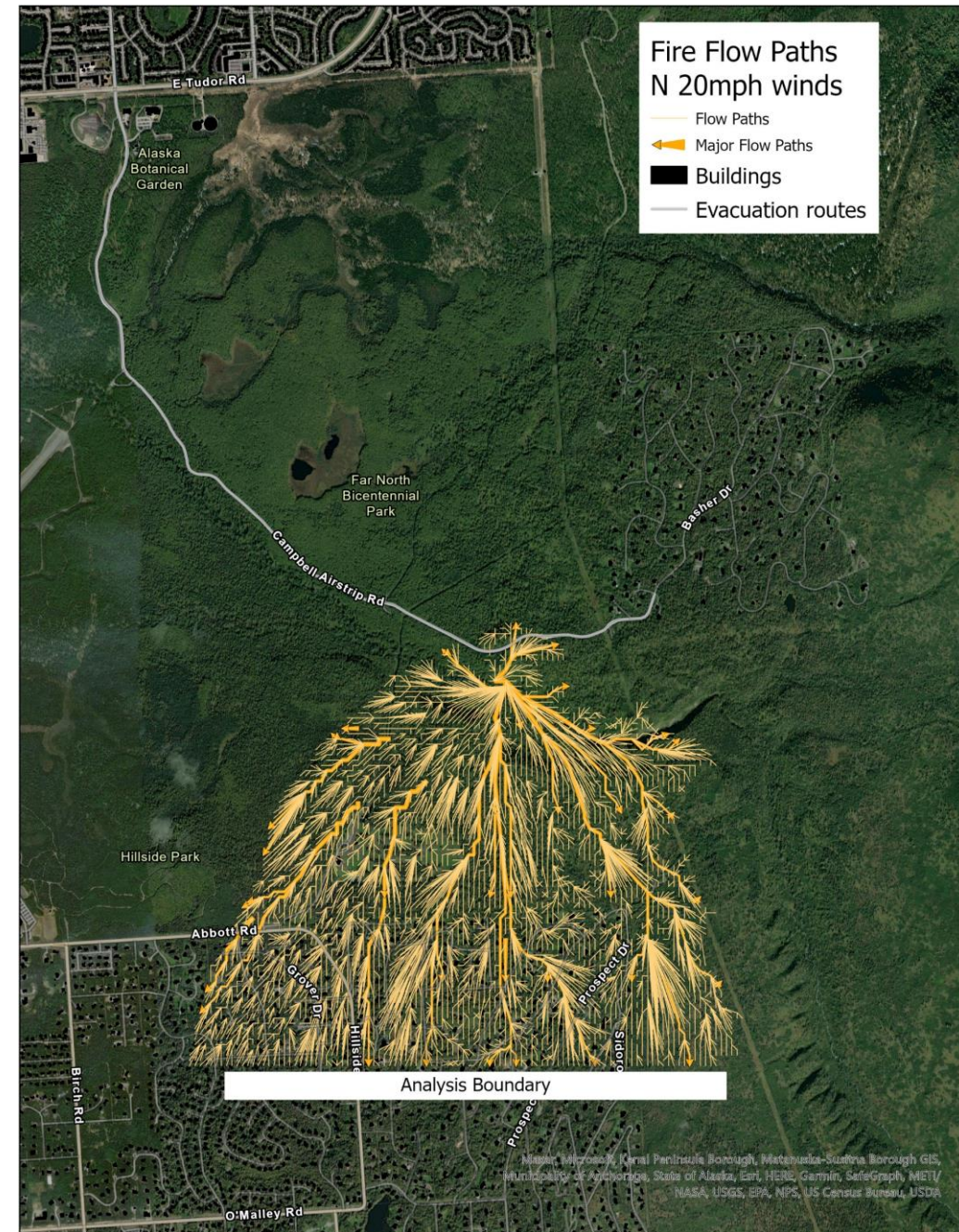
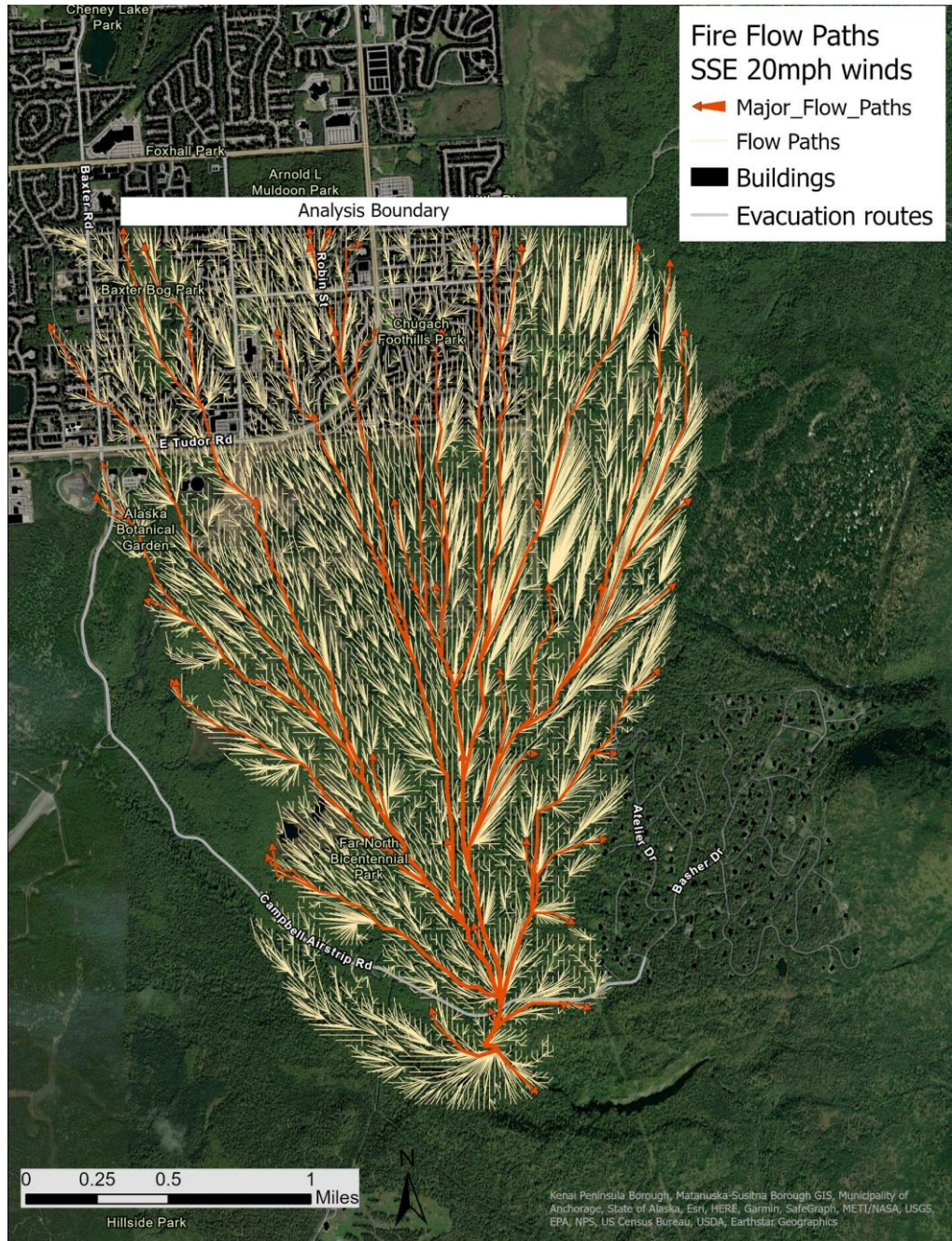
- Rabbit Creek access is very likely to be cut off quickly regardless of direction
- Fire picks up patches of flammable vegetation and moves quickly
- Switchback neighborhood is cause for concern
- How do we put this information to use.....
 - Adequately fund fire fighting agencies so they can respond fast
 - Take personal responsibility and plan (evacuation routes, to go bags, who get the kids, pets, etc.)
 - Improve egress
 - Firewise

Basher

Note: fires create their own winds

Fire suppression not included

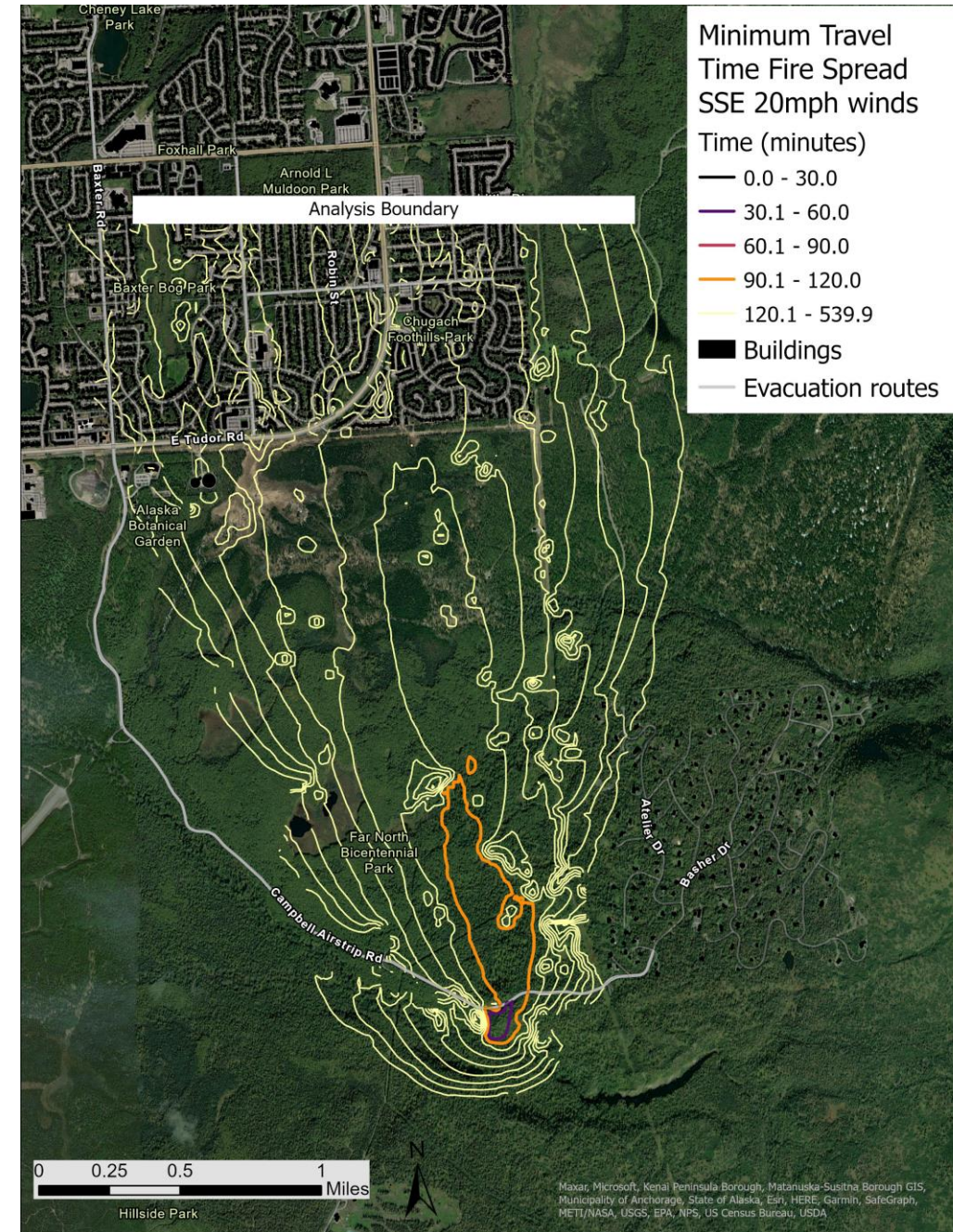
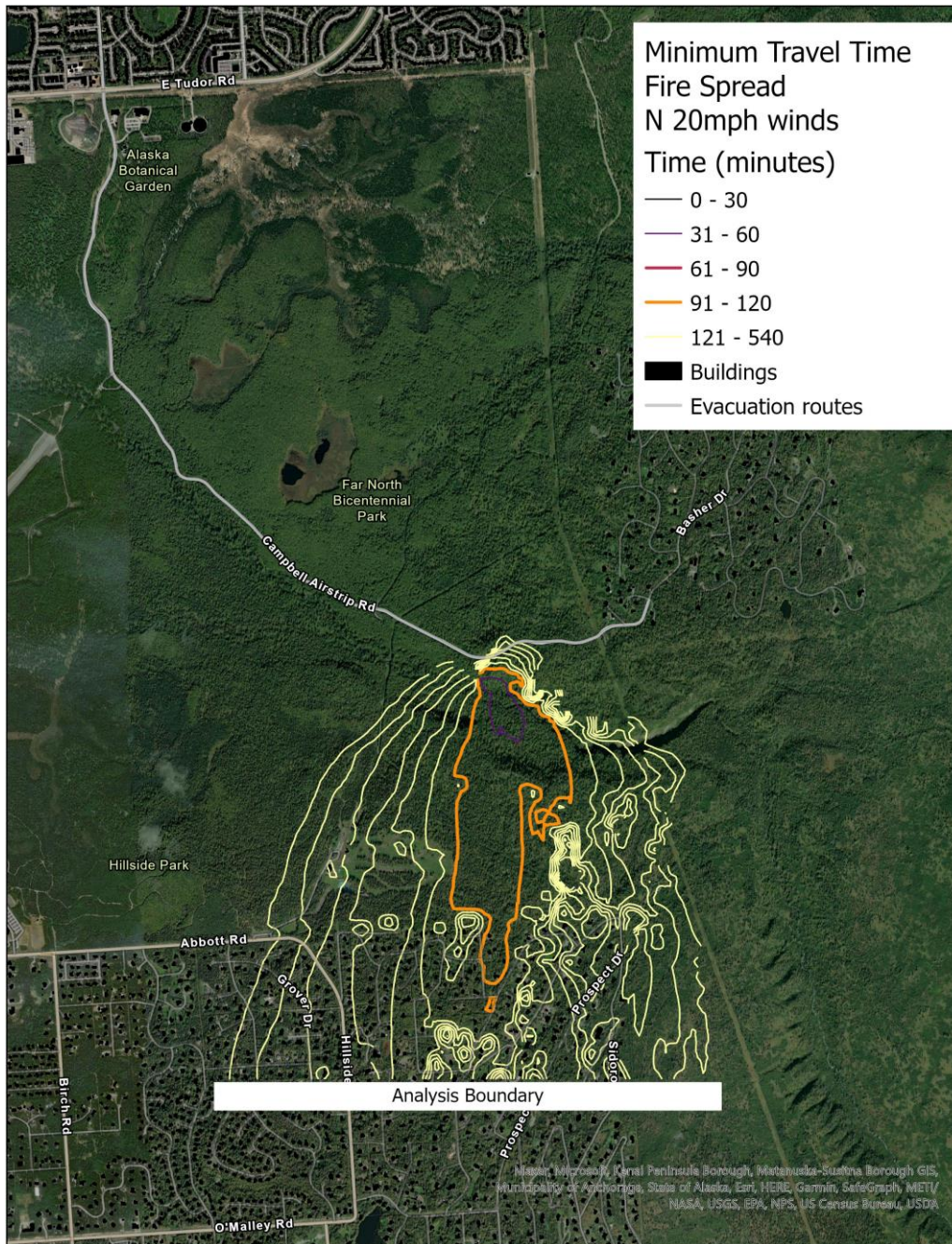
Travel paths based on fuel, terrain, and winds



Note: fires create their own winds

Fire suppression not included

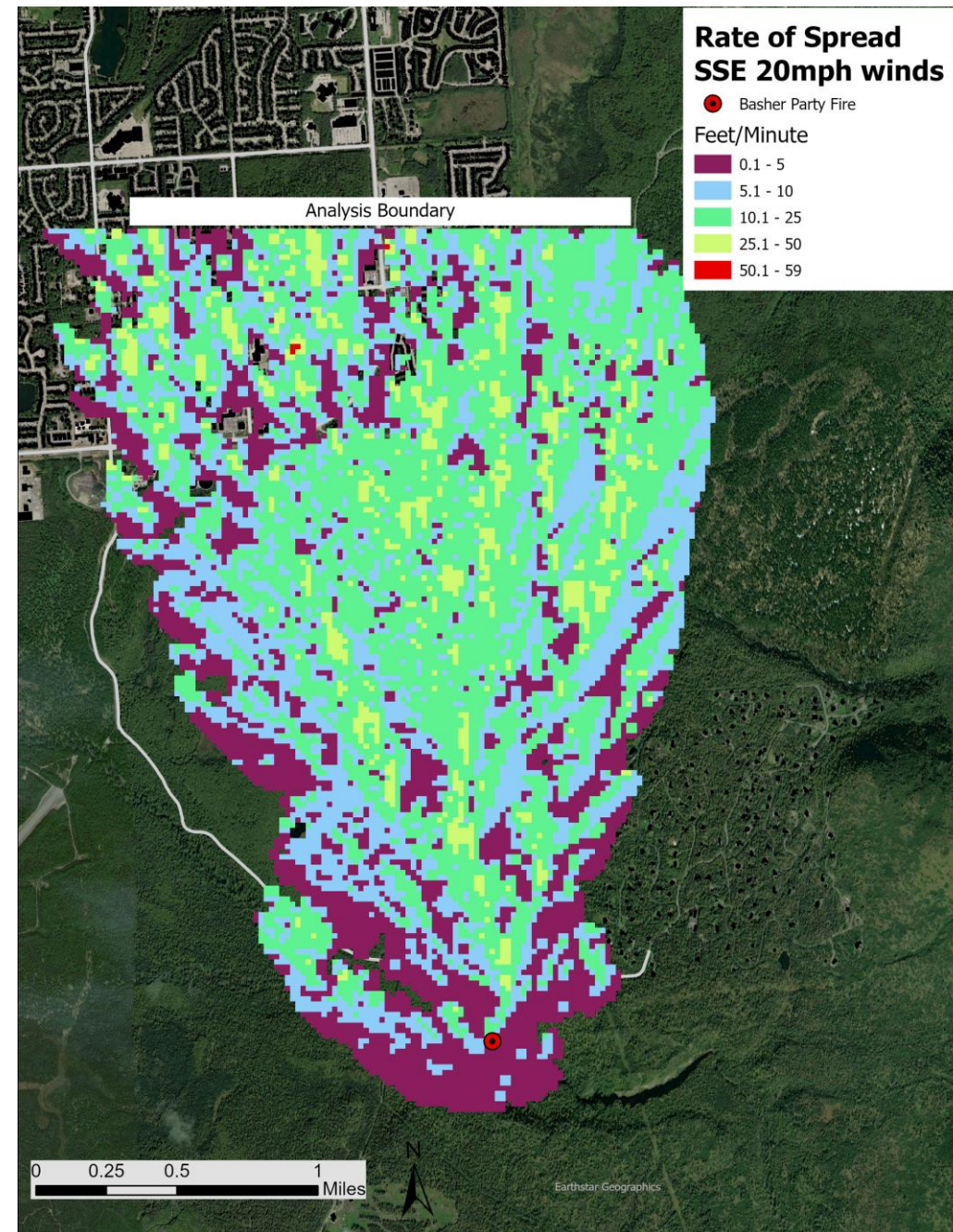
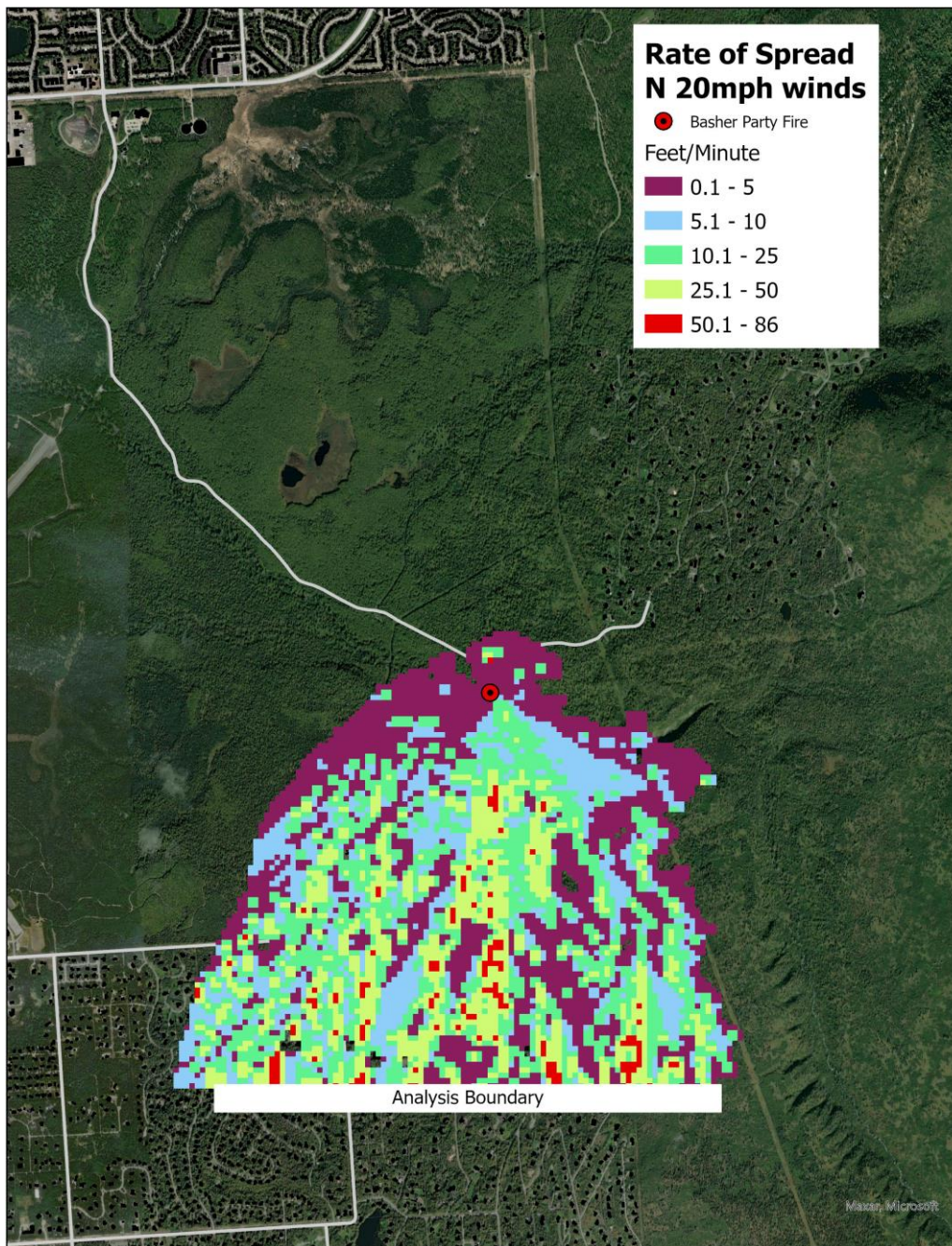
Travel paths based on fuel, terrain, and winds



Note: fires create their own winds

Fire suppression not included

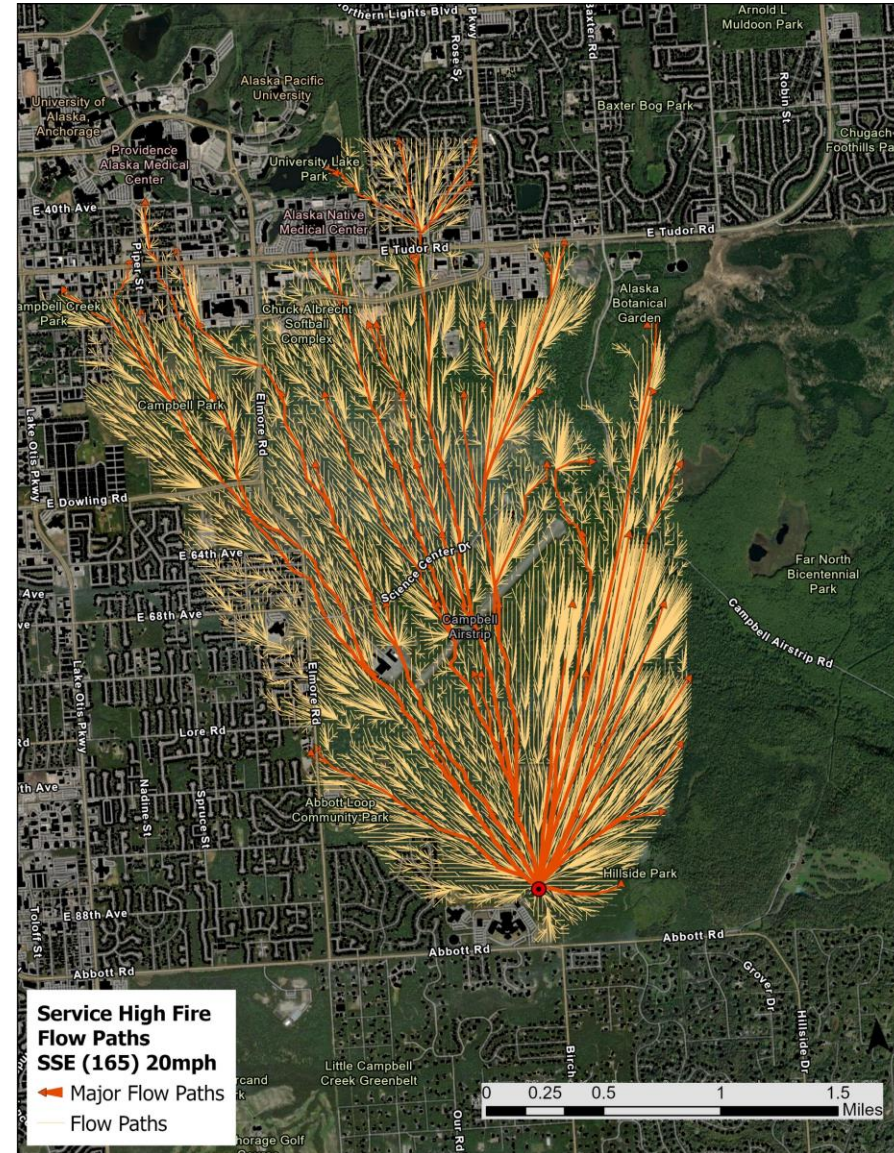
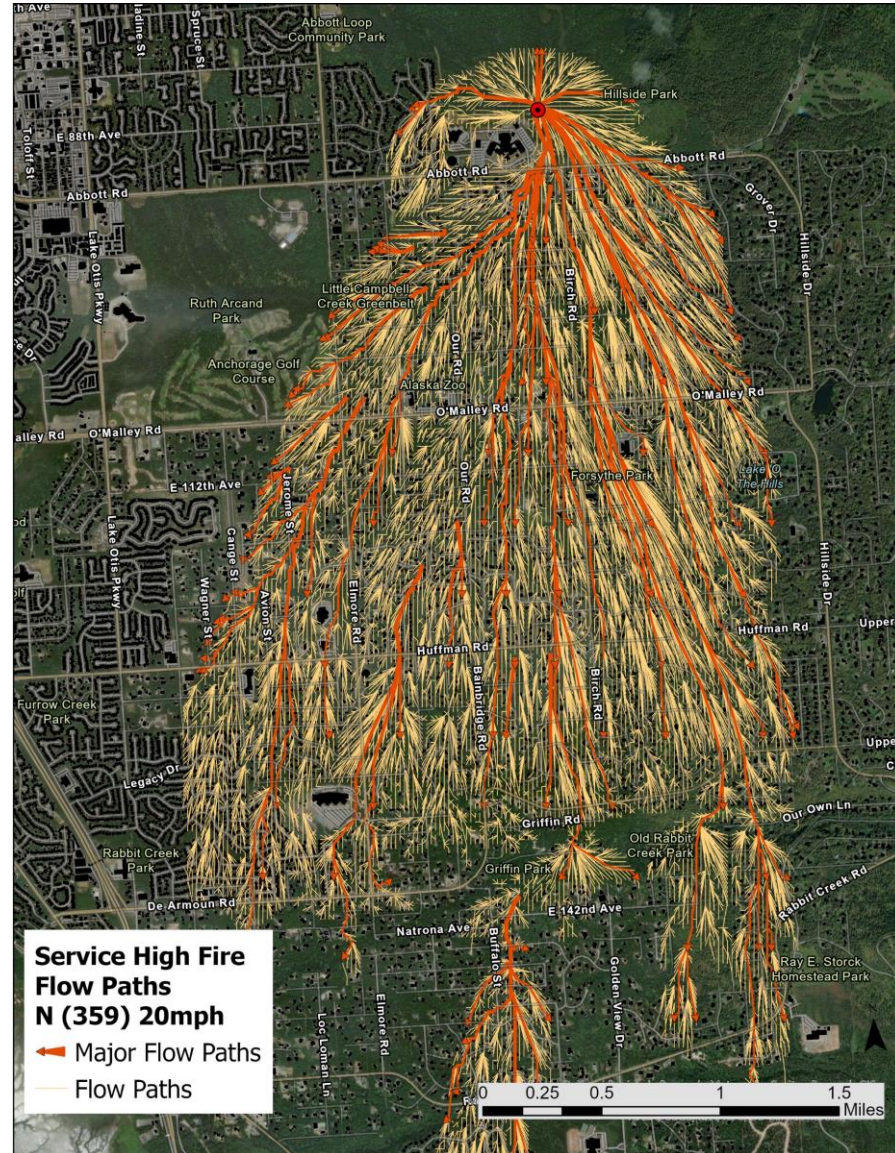
Travel paths based on fuel, terrain, and winds



Service High

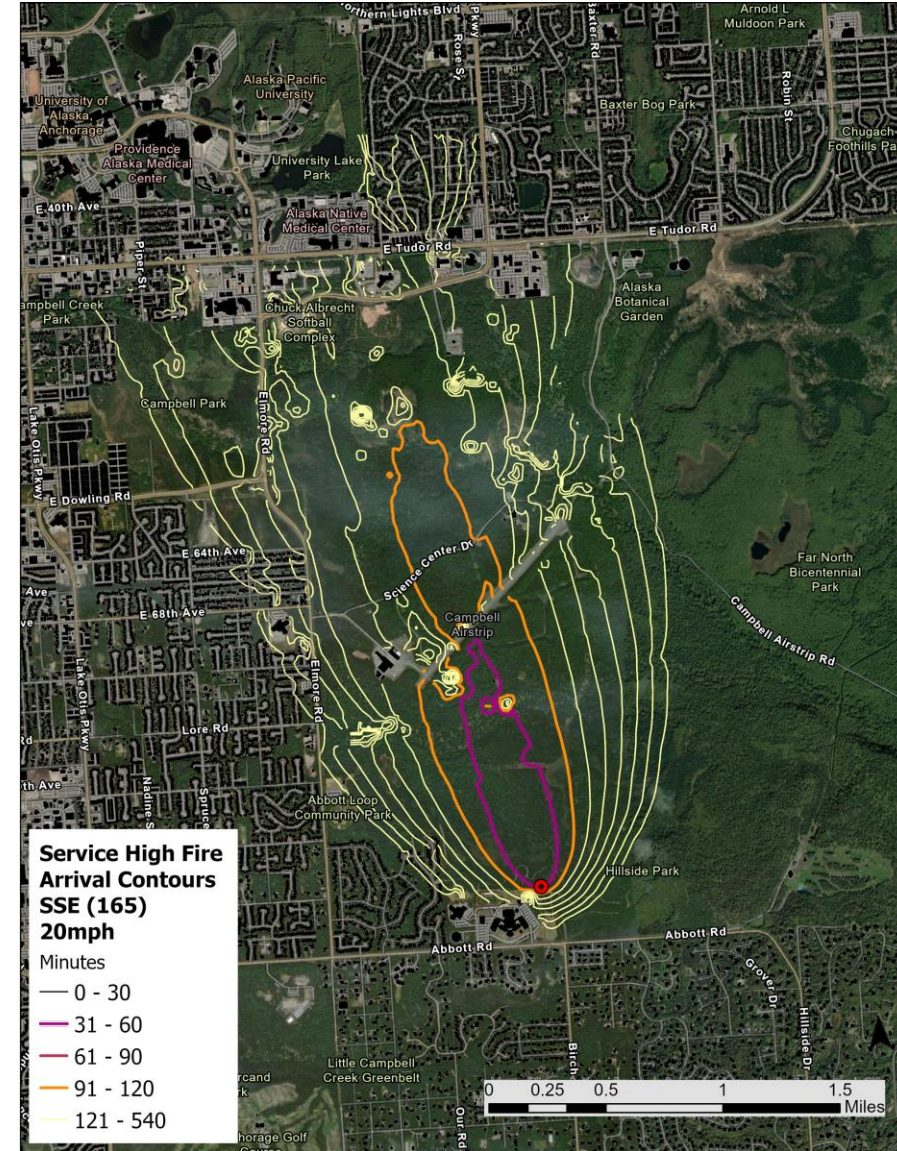
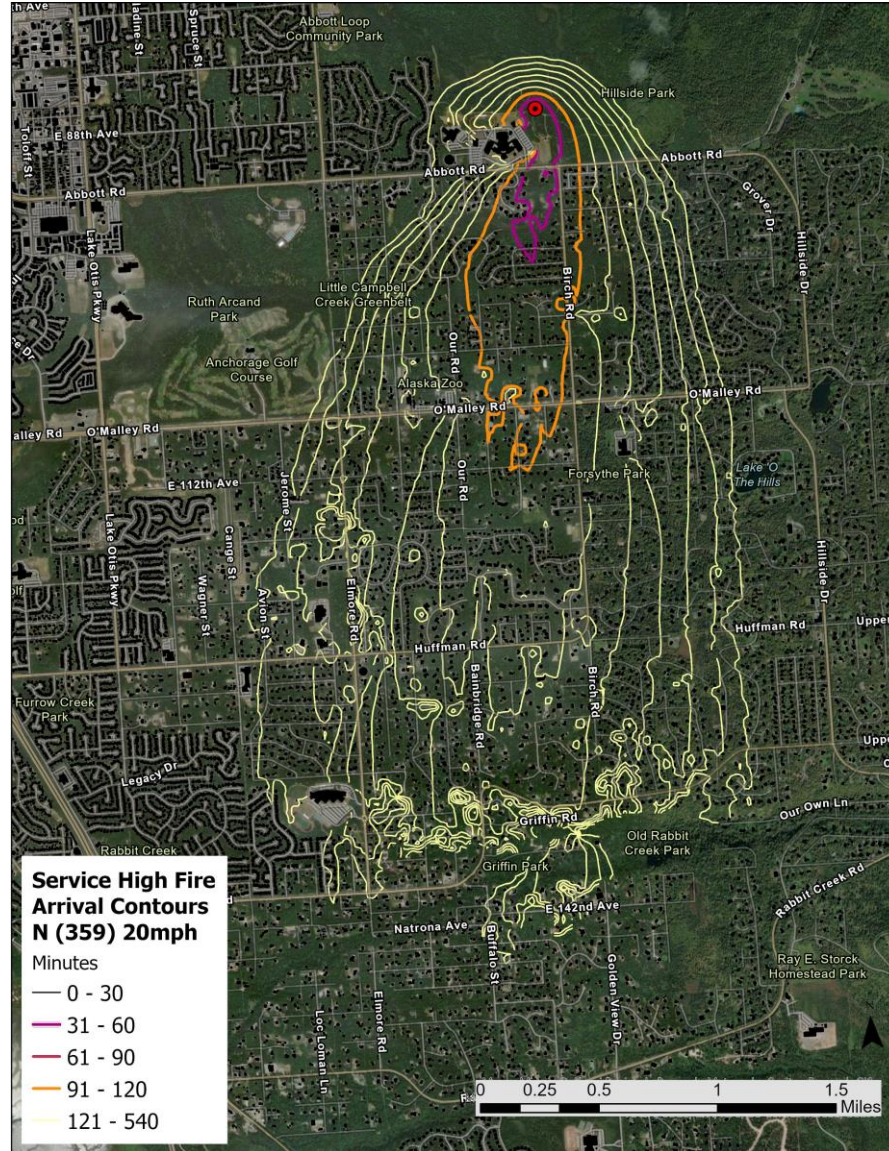
Note: fires create their own winds, no suppression activities

Travel paths based on fuel, terrain, and winds



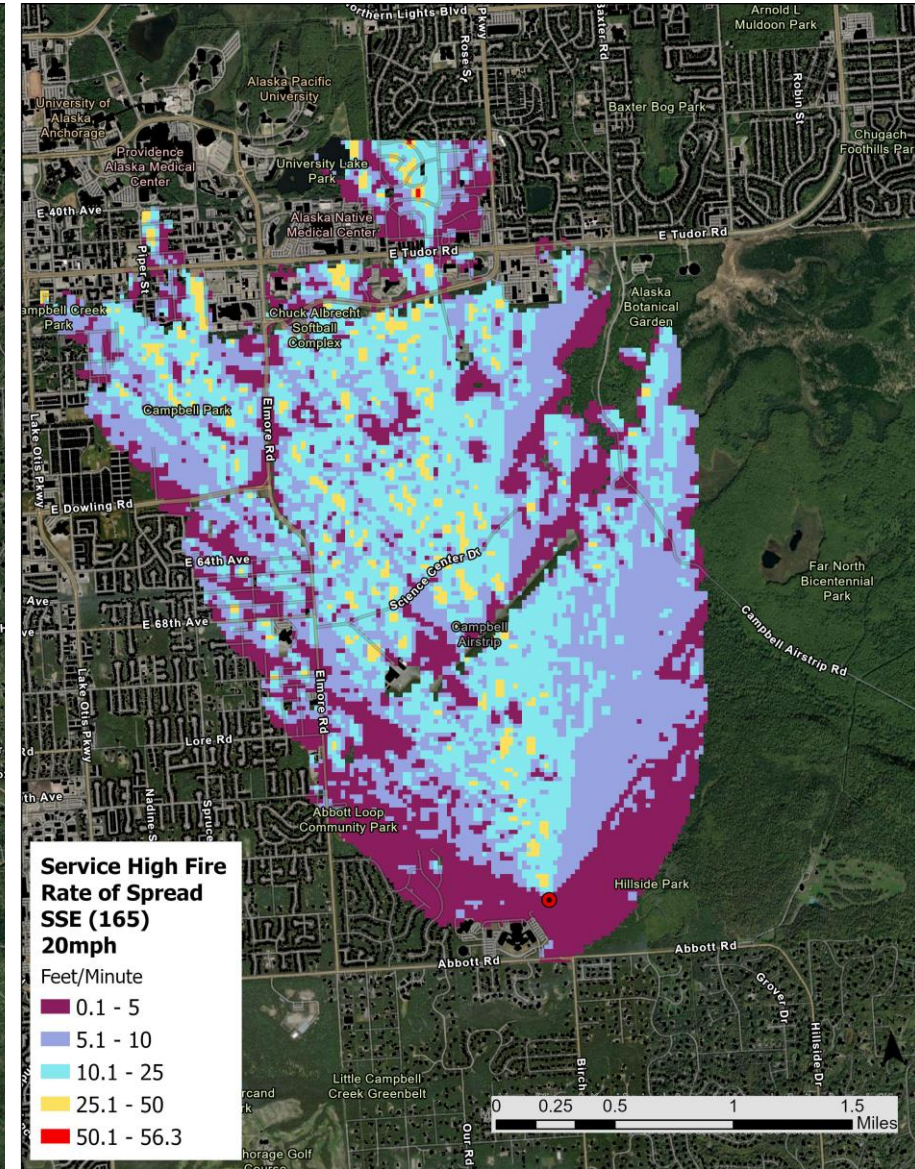
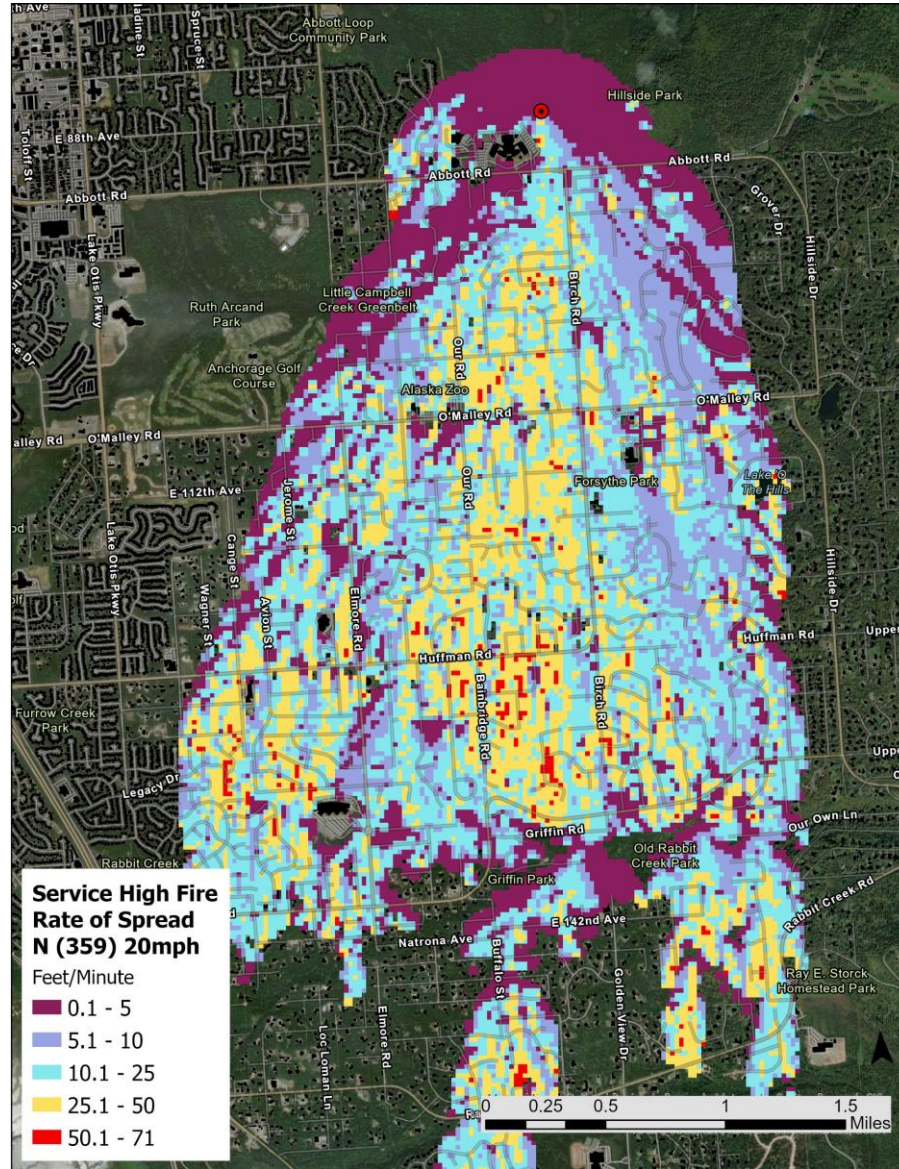
Note: fires create their own winds, no suppression activities

Travel paths based on fuel, terrain, and winds



Note: fires create their own winds, no suppression activities

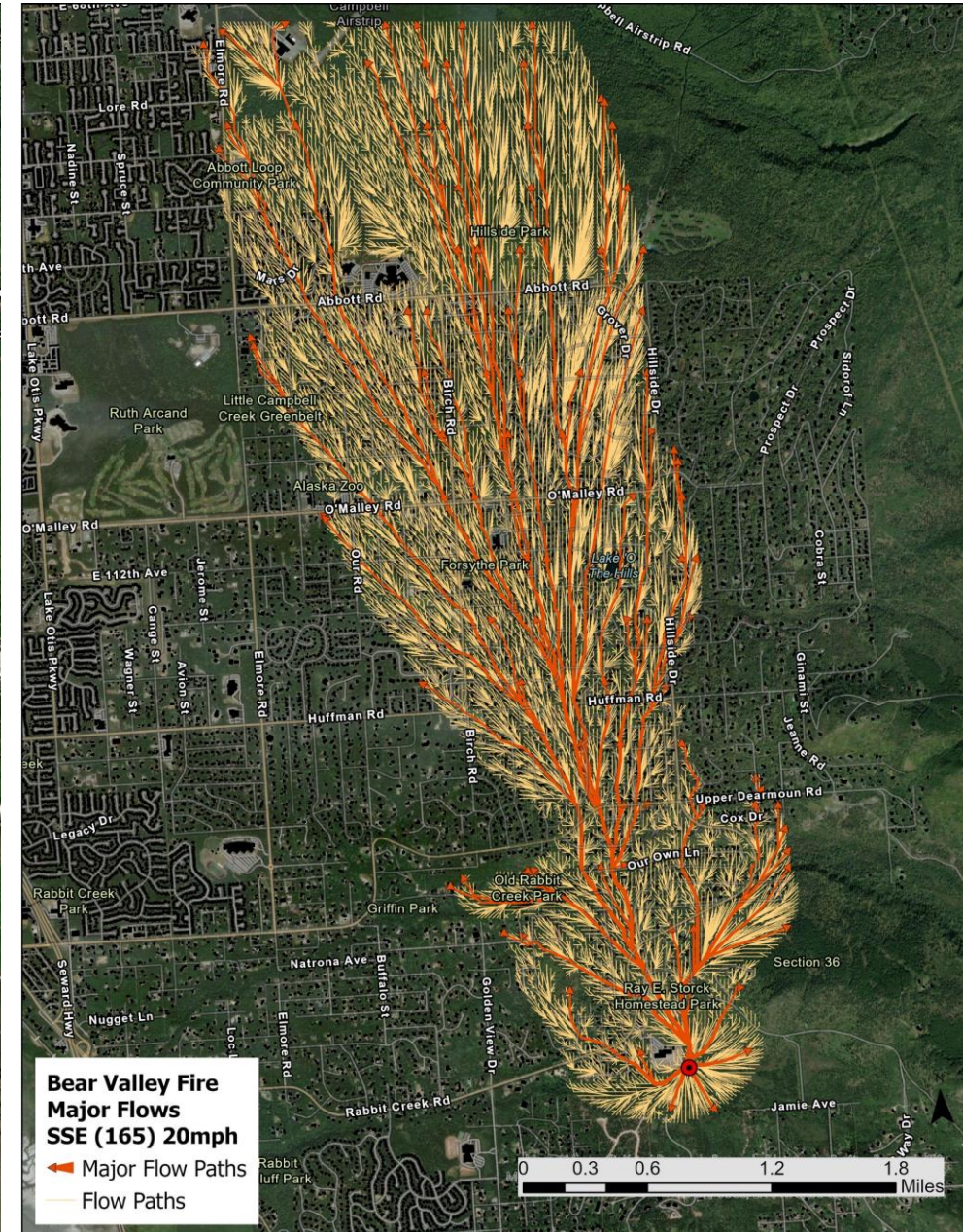
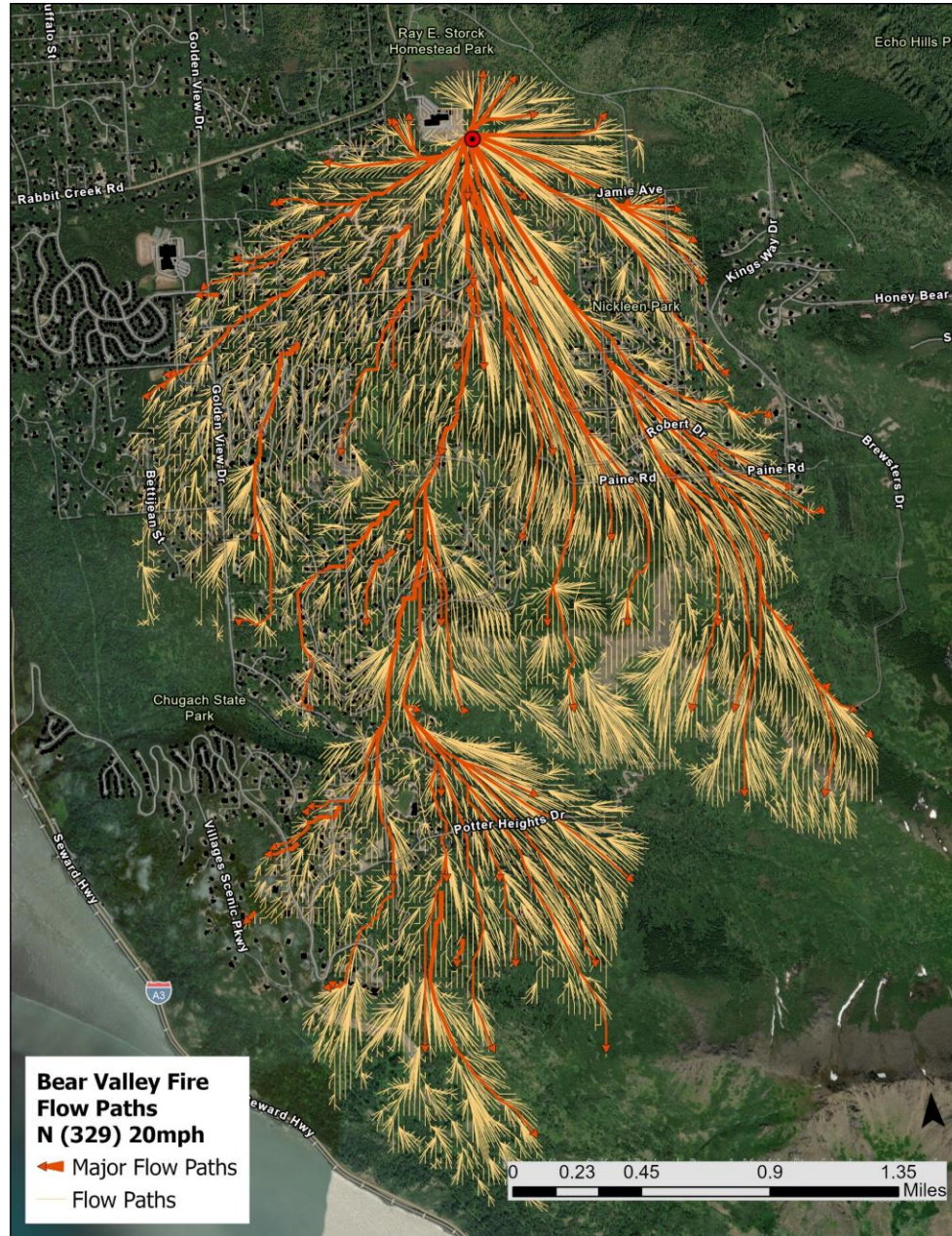
Travel paths based on fuel, terrain, and winds



Bear Valley

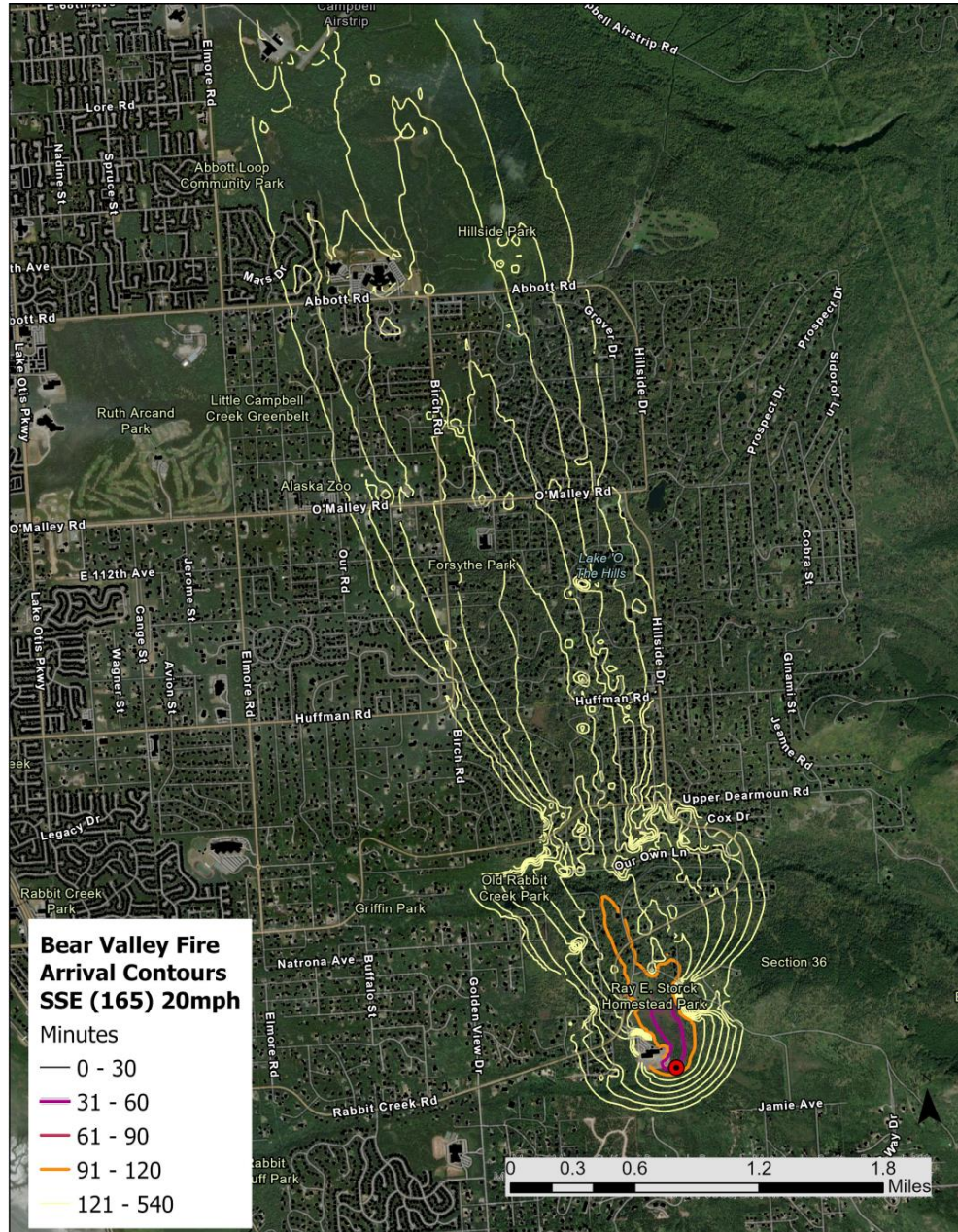
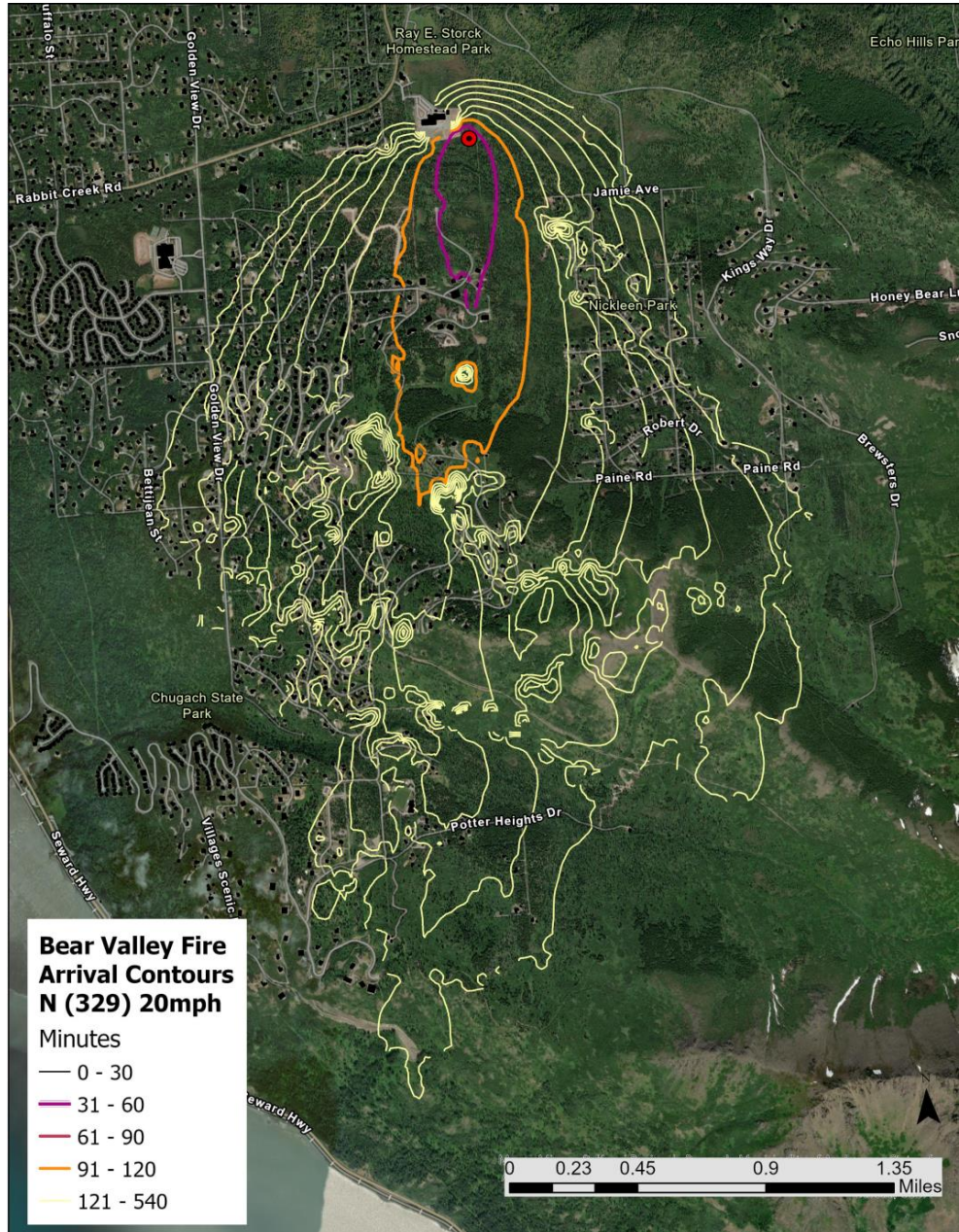
Note: fires create their own winds, no suppression activities

Travel paths based on fuel, terrain, and winds



Note: fires create their own winds, no suppression activities

Travel paths based on fuel, terrain, and winds



Note: fires create their own winds, no suppression activities

Travel paths based on fuel, terrain, and winds

