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| **Incident Name:**Chestnut KnobNC-NCS-160043 | **IR Interpreter(s):**Elise Bowne | **Local Dispatch Phone:**678-320-3012 | **Interpreted Size:**4,565**Growth last period:** 686 Acres |
| **Flight Time:**2133 EST**Flight Date:**November 14, 2016 | **Interpreter(s) location:**San Diego, CA**Interpreter(s) Phone:**303-517-7510 | **GACC IR Liaison:**Melinda McGann**GACC IR Liaison Phone:**303-560-6971 | **National Coordinator:**N/A**National Coord. Phone:**N/A |
| **Ordered By:**SACC (678-320-3012) | **A Number:**204 | **Aircraft/Scanner System:**N149Z/Phoenix | **Pilots/Techs:**Johnson/Smith/Navarro |
| **IRIN Comments on imagery:**Good imagery, orthorectification was off in areas | **Weather at time of flight:**Clear | **Flight Objective:**Map Heat Perimeter/Isolated Heat Sources |
| **Date and Time Imagery Received by Interpreter:**November 14, 2016 2230 EST | **Type of media for final product:**NIFC FTP**Digital files sent to:**<http://ftp.nifc.gov/incident_specific_data/southern/North_Carolina/2016ChestnutKnob/IR/20161115> |
| **Date and Time Products Delivered to Incident:**November 15, 2016 0430 EDT |
| **Comments /notes on tonight’s mission and this interpretation:*** No new perimeters were received from the incident before this shift, so the heat perimeter shapefile from the previous IR interpretation was used as the starting point. Shapefiles were created in State Plane coordinate on system to match the incident’s coordinate system.
* 35°38’ 26.793” N x 81°37’41.102” W possible isolated heat source in front of (downhill from) main part of heat perimeter, may be on a road and could possibly be vehicle exhaust.
* Div B, C, and D all were quiet with no heat perimeter growth. Div B and C were fairly cool, while the western part of Div D had a bit more heat.
* The eastern 2/3 of Div J showed no heat perimeter growth, though there was scattered heat near the perimeter edge. The western 1/3 of Div J, west of the road along the ridge line which goes to the SSW showed lots of heat and a fair amount of perimeter growth. Heat was detected on both sides of He Creek, with more intense heat to the south.
* The area in Div K that was burned out yesterday has cooled with no heat perimeter change detected to the west, however to the east the area between the section of heat perimeter mapped on the last IR flight and tonight’s showed lots of intense heat tonight, with the heat reaching the road intersection to the SE of Jimmy Knob. East of the intersection, the heat had not reached the road by the IR flight time. Small heat perimeter changes mapped between DP6 and DP8.
* Div I - Intense heat detected on all sides of Bob Knob. To the east, there is more intense heat, down to an unnamed road and then along a road that looks like it is on the edge of the SOMO area. There may be areas in here where the heat crosses that road. The area around Greathouse DP has cooled.
* Questions/Concerns – please contact the IRIN at 303-517-7510.
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