

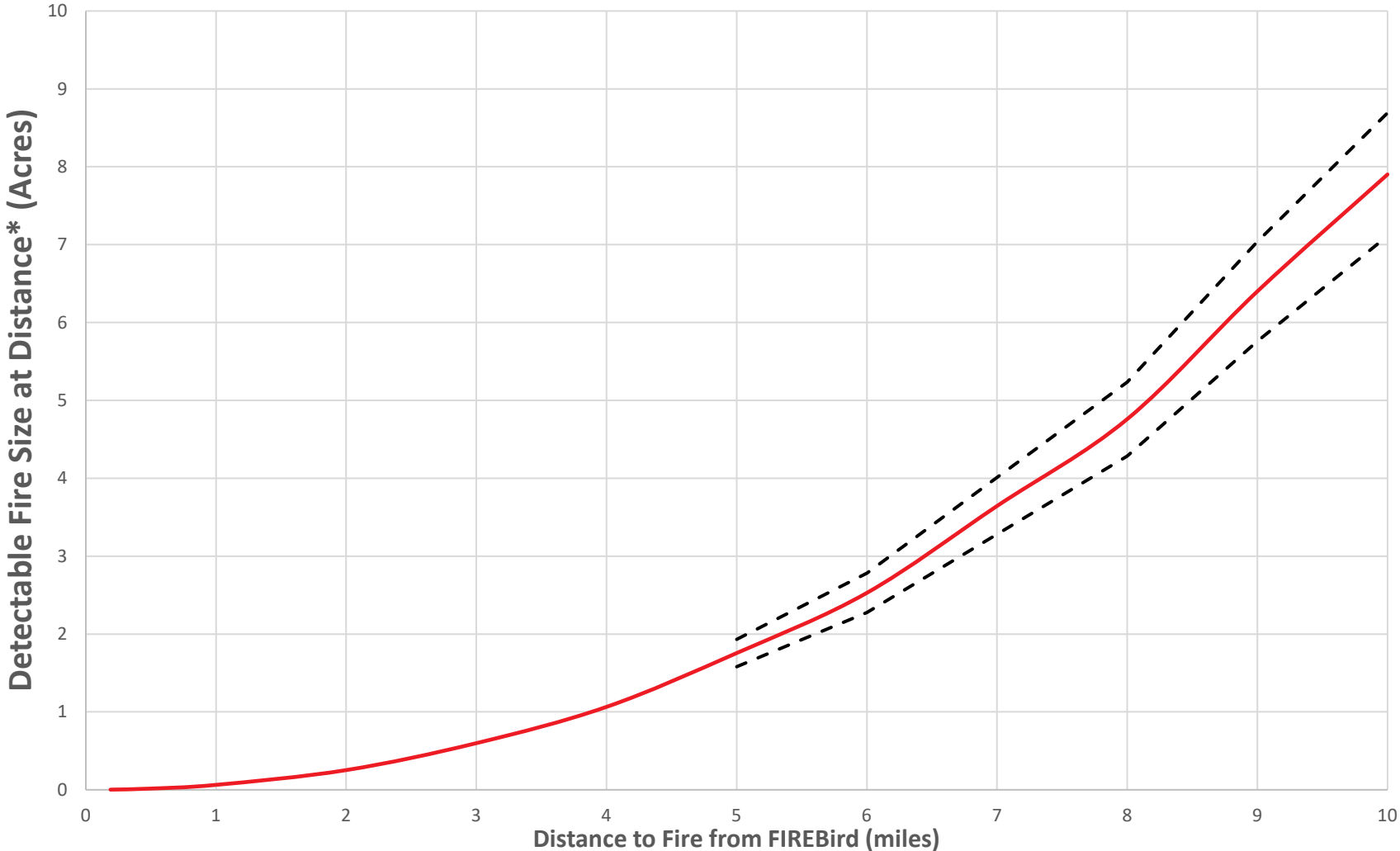
# FIREBird

## Fire Size Vs Distance Charts

February 2025

# FIREBird Fire Size vs Detection Distance

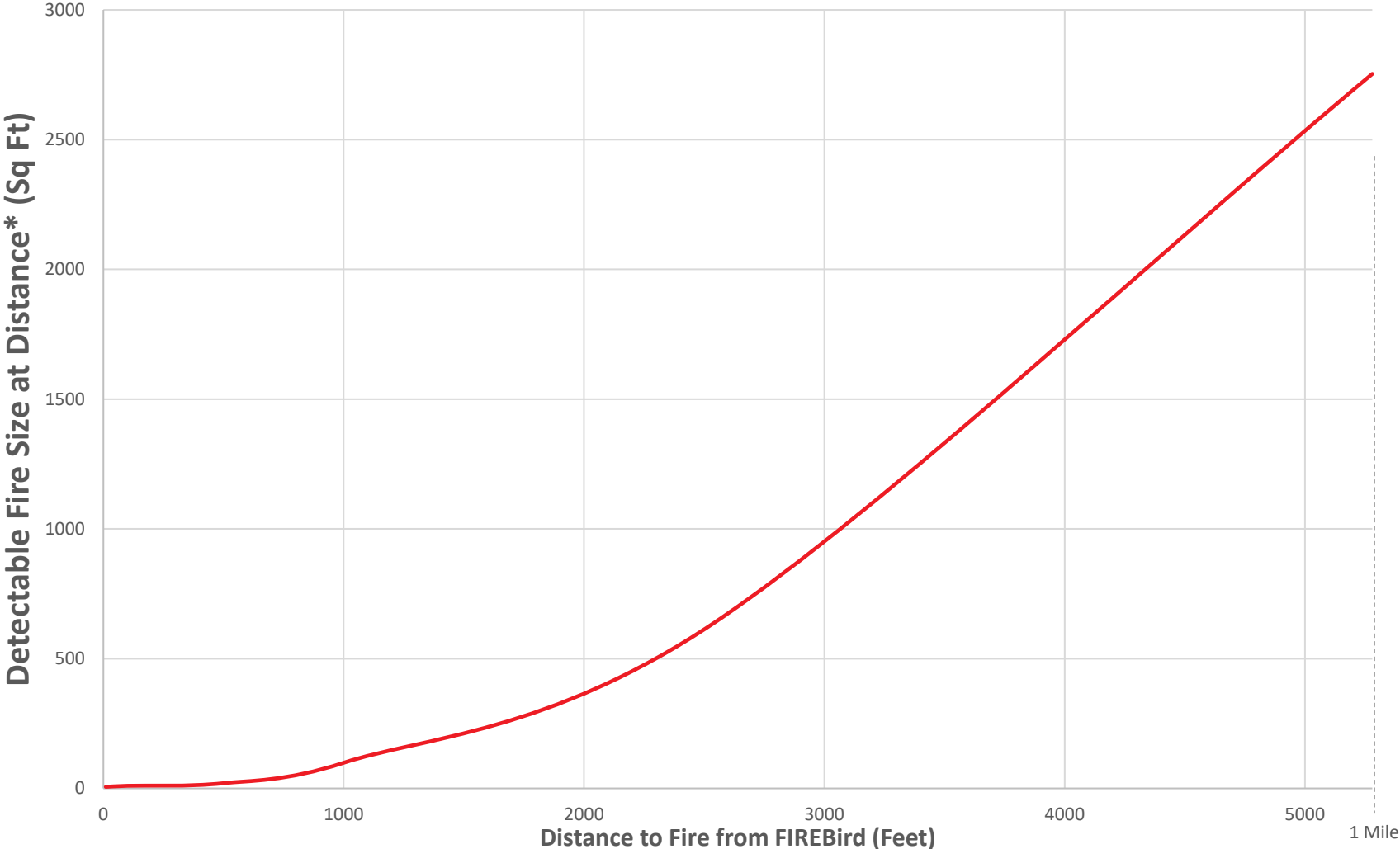
(Data adjusted for atmospheric absorption)



\*Detectable fire size may be larger or smaller depending upon terrain, foliage, and obstructions, therefore graph should be considered an approximation

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# Application Notes

- Monitoring a powerline or road pathway (or other) does not require FIREBird units to be placed directly on the path. The field of coverage of the FIREBird devices is wide enough to provide significant latitude in placement.
- Placing FIREBird units to have appropriate overlapping fields of view when monitoring a continuous pathway, wildland urban interface, or property line is recommended. Lindsey generally recommends minimum placement density of 1 per ½ mile along pathways or other meanders to ensure detection of smaller fires.
- FIREBird units placed immediately adjacent to vegetation as high or higher than the unit's installed height may have impeded sensitivity to fires at a distance.
- FIREBird units placed on flatlands or in a valley with side view of hillsides may have greatly increased fire detection capability.
- This is not a comprehensive list of factors that should be considered when placing FIREBird units. Contact Lindsey for a consultation.

## Disclaimers

### Definition:

**“SERVICES” MEANS, COLLECTIVELY, THE FIREBIRD HARDWARE UNITS, THE FIRESENSE CLOUD SOFTWARE, THE DATA COLLECTED, THE PROCESSING OF THE COLLECTED DATA, AND THE RESULTS THEREOF.**

**THE FIRE SIZE VS DISTANCE CHARTS ARE TO BE CONSIDERED APPROXIMATIONS ONLY OF A FIRE SIZE THAT CAN BE DETECTED AT A GIVEN DISTANCE UNDER IDEAL CONDITIONS BASED UPON TEST DATA COLLECTED BY LINDSEY FIRESENSE LLC PRIOR TO THE PUBLICATION DATE. CUSTOMER ACKNOWLEDGES THAT DETECTABLE FIRE SIZE AT A GIVEN DISTANCE MAY BE LARGER OR SMALLER DEPENDING UPON FIREBIRD PLACEMENT, PERFORMANCE OF ANY CONNECTED COMMUNICATION NETWORK, TERRAIN, FOLIAGE, AND OBSTRUCTIONS.**

**LINDSEY DISCLAIMS ANY WARRANTIES RELATING TO THE ACCURACY OR TIME-TO-DETECTION OF THE FIRE DETECTION BY THE FIREBIRD DEVICES AND THE FIRESENSE PORTAL.**

**CUSTOMER IS REQUIRED TO ACCEPT ALL PATCHES, BUG FIXES, UPDATES, OVER-THE-AIR UPDATES, MAINTENANCE AND SERVICE PACKS (COLLECTIVELY, “PATCHES”) NECESSARY FOR THE PROPER FUNCTION AND SECURITY OF THE SERVICES, INCLUDING, BUT NOT LIMITED TO, FOR THE FIREBIRD SOFTWARE, AS SUCH PATCHES ARE GENERALLY RELEASED BY LINDSEY AS DESCRIBED IN THE SERVICE SPECIFICATIONS. LINDSEY MAY NOT COORDINATE WITH CUSTOMER FOR THE SCHEDULING OF APPLICATION OF PATCHES.**

**CUSTOMER AGREES AND ACKNOWLEDGES THAT IT ASSUMES FULL, EXCLUSIVE AND SOLE RESPONSIBILITY FOR THE USE OF AND RELIANCE ON THE SERVICE, AND FURTHER AGREES AND ACKNOWLEDGE THAT ITS USE OF OR RELIANCE ON THE SERVICE IS MADE ENTIRELY AT ITS OWN RISK.**

**LINDSEY DOES NOT GUARANTEE THAT (A) THE SERVICES WILL BE PERFORMED ERROR-FREE OR UNINTERRUPTED, OR THAT LINDSEY WILL CORRECT ALL SERVICES ERRORS, (B) THE SERVICES WILL OPERATE IN COMBINATION WITH CUSTOMER’S CONTENT OR THIRD-PARTY CONTENT, OR WITH ANY OTHER HARDWARE, SOFTWARE, SYSTEMS OR DATA NOT PROVIDED BY LINDSEY, AND (C) THE SERVICES WILL MEET CUSTOMER’S REQUIREMENTS, SPECIFICATIONS OR EXPECTATIONS. CUSTOMER ACKNOWLEDGES THAT LINDSEY DOES NOT CONTROL THE TRANSFER OF DATA OVER COMMUNICATIONS FACILITIES, INCLUDING THE INTERNET, AND THAT THE SERVICES MAY BE SUBJECT TO LIMITATIONS, DELAYS, AND OTHER PROBLEMS INHERENT IN THE USE OF SUCH COMMUNICATIONS FACILITIES. LINDSEY IS NOT RESPONSIBLE FOR ANY DELAYS, DELIVERY FAILURES, OR OTHER DAMAGE RESULTING FROM SUCH PROBLEMS. LINDSEY IS NOT RESPONSIBLE FOR ANY ISSUES RELATED TO THE PERFORMANCE, OPERATION OR SECURITY OF THE SERVICES THAT ARISE FROM CUSTOMER’S CONTENT, CUSTOMER’S APPLICATIONS OR THIRD-PARTY CONTENT. LINDSEY DOES NOT MAKE ANY REPRESENTATION OR WARRANTY REGARDING THE RELIABILITY, ACCURACY, COMPLETENESS, CORRECTNESS, OR USEFULNESS OF THIRD-PARTY CONTENT, AND DISCLAIMS ALL LIABILITIES ARISING FROM OR RELATED TO THIRD PARTY CONTENT.**

**FOR ANY BREACH OF THIS SERVICES WARRANTY, CUSTOMER’S EXCLUSIVE REMEDY AND LINDSEY’S ENTIRE LIABILITY SHALL BE THE CORRECTION OF THE DEFICIENT SERVICES THAT CAUSED THE BREACH OF WARRANTY, OR, IF LINDSEY CANNOT SUBSTANTIALLY CORRECT THE DEFICIENCY IN A COMMERCIALY REASONABLE MANNER, CUSTOMER MAY END THE DEFICIENT SERVICES AND LINDSEY WILL REFUND TO CUSTOMER THE FEES FOR THE TERMINATED SERVICES THAT CUSTOMER PRE-PAID TO LINDSEY FOR THE PERIOD FOLLOWING THE EFFECTIVE DATE OF TERMINATION.**

**CUSTOMER ACKNOWLEDGES THAT THE PLACEMENT OF THE FIREBIRD SYSTEM IS LIMITED BY THE LOCATION OF CUSTOMER’S INFRASTRUCTURE, AND THAT LINDSEY HAS NO CONTROL OVER THE LOCATION OF THE INFRASTRUCTURE, WHICH MAY RESULT IN DEGRADATION OF FIRE DETECTION PERFORMANCE AND/OR PRIVACY VIOLATIONS AND/OR VIOLATION OF OTHER APPLICABLE LAWS WHEN CAPTURING IMAGERY AS NECESSARY TO PROVIDE SERVICES. IN THE EVENT A CLAIM IS ASSERTED AGAINST LINDSEY RESULTING FROM USE OF THE FIREBIRD SYSTEM AND/OR SERVICES BY CUSTOMER, CUSTOMER WILL, AT THE CUSTOMER’S SOLE COST AND EXPENSE, DEFEND LINDSEY AGAINST THE CLAIM AND INDEMNIFY THE LINDSEY FROM THE DAMAGES, LIABILITIES, COSTS AND EXPENSES AWARDED BY THE COURT TO ANY THIRD PARTY OR GOVERNMENT ENTITY ASSERTING THE CLAIM, OR ANY SETTLEMENT AGREED TO BY LINDSEY.**

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