

Digital Wildfire Reporting

OPS Ideas & Innovation Fund Project

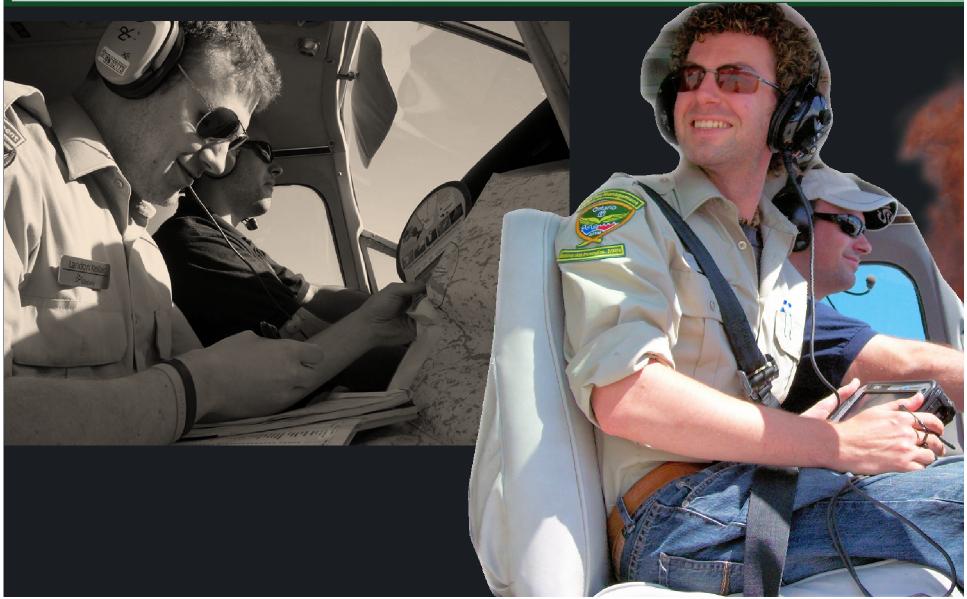
Colin McFayden Ontario Ministry of Natural Resources Aviation, Forest Fire & Emergency Services



Fire Detection

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Digital fire Reporting Communications

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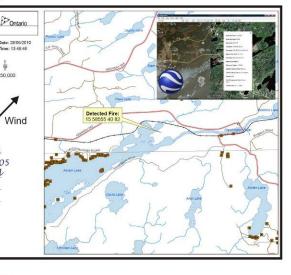


Enhance



Distribute

Location Report Date: 28/06/2010 tor Response Zone: W06 Report Time: 13:48:48 Fire Management Zone: Boreal Zone Location: 15 58555 40 82 fownship: GTP BLOCK 10 LOT: N/A CON: N/A Condition 1:50.000 Approx Size: 0.5-1 ha Fire Rank: 5 Fuel Type: Mixe bserved Values: 123456 med Values: 32 ection Agent: DAM porting Tool: DP ntact Info: D2 - C-FBN) DIST SUL FIRE# 104 sponse Notes McCord Crew dispatched 14:05 Fire responding & being h at 19:20 Request for hose@1. Wx Damag



Ontario

2 Review & Dispatch



The Equipment & Software

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- Existing Equipment
- Data sent 20 character string
- Enhanced by ground PC



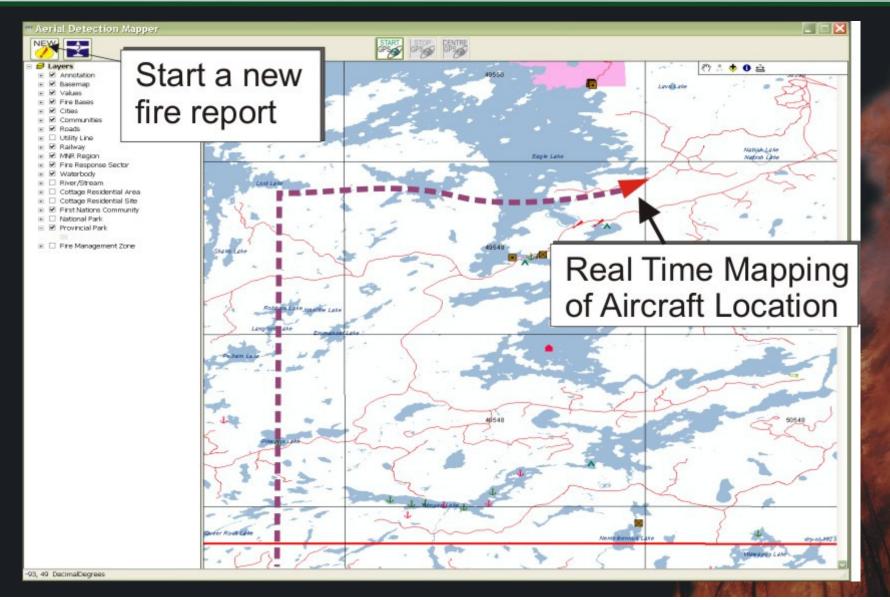


Doing the Job in the Aircraft

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Natural. Valued. Protected





Collecting Fire Information

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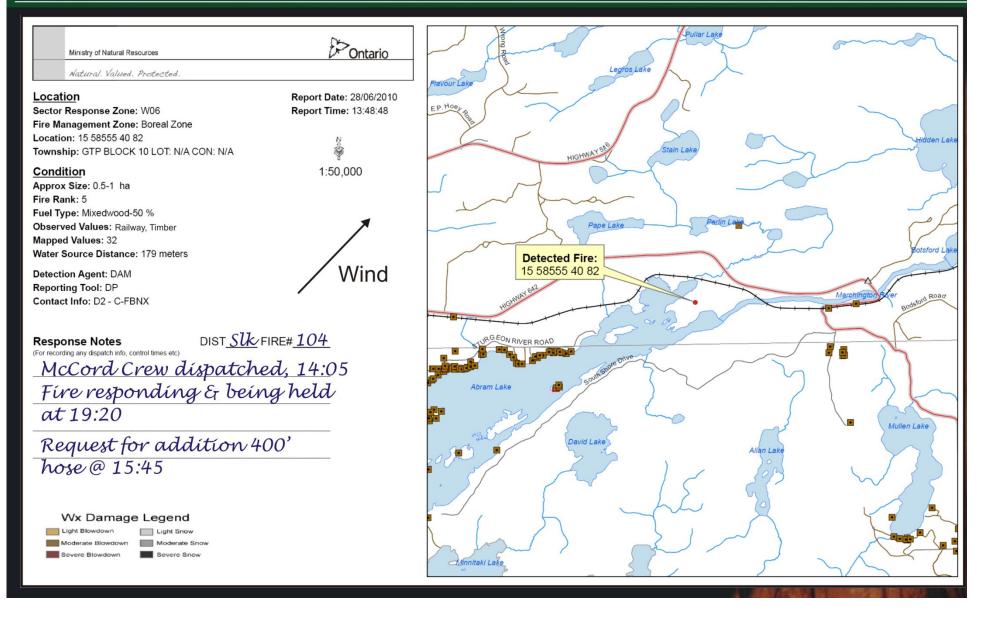


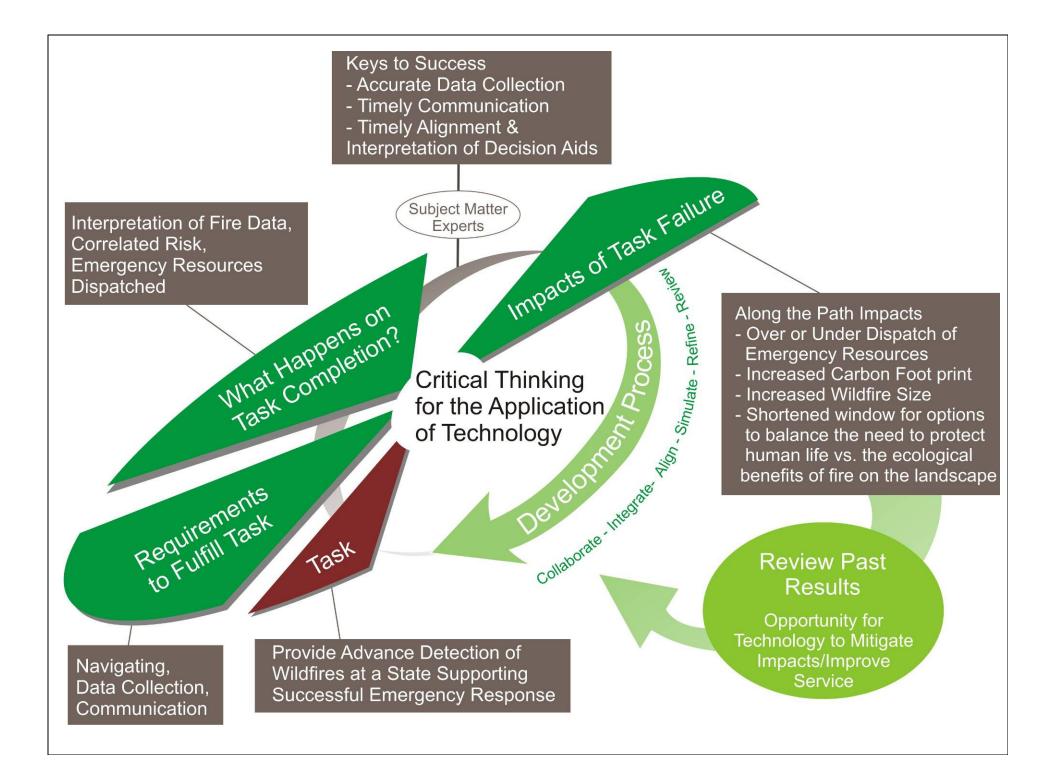
Enhanced Fire Report Information

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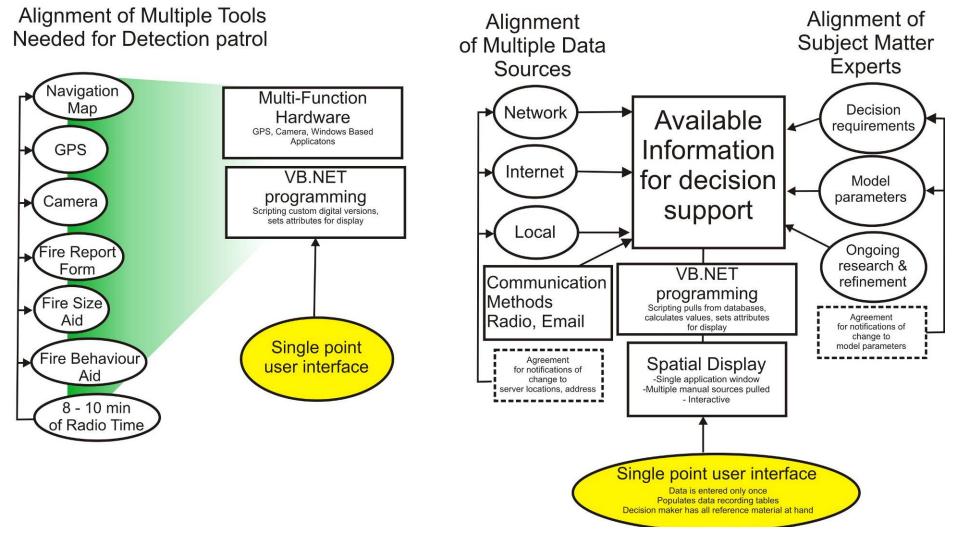
Designing the two components

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In the Air

On the Ground



Beta Testing Results

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Improved:

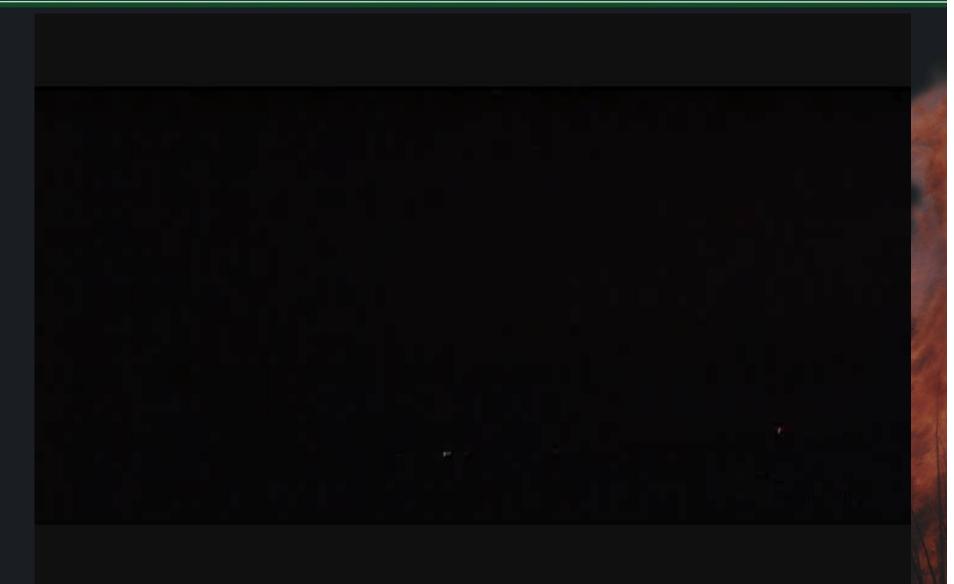
- Data collection Aircraft cockpit management
- Timeliness of data transfer(66% faster)
- Removed redundancy of data transfer
- Methods for the analysis & interpretation of data
- Aircraft will spend less time in the air while providing the same level of service.
- Showcase Ontario Diamond Award Innovation Category I&IT

Digital Fire Reporting Process

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Open to Questions