2014 LBI DSE Forest Health Update

District Budget: $367K + $50K surplus?

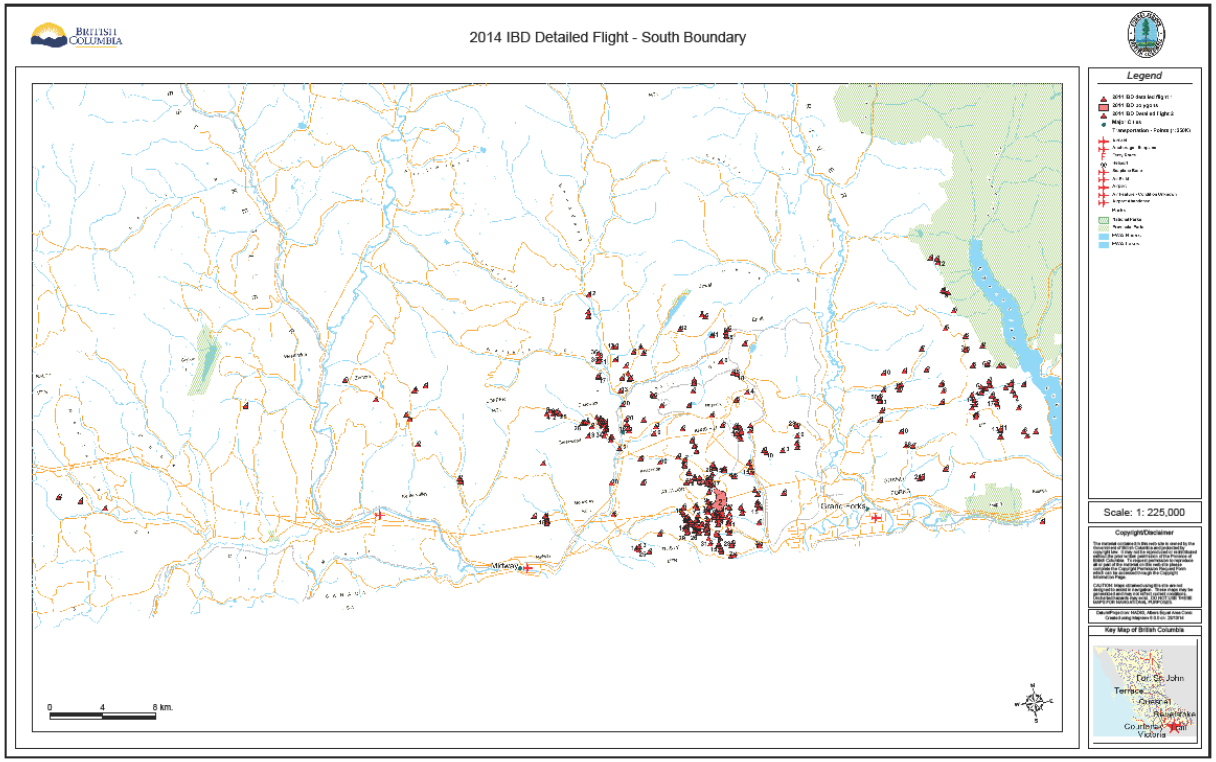
Activities:

- Detailed IBM Heli Survey 3 Yahk BMUs
- IBD Funnel Trapping - Pend D'Oreille
- Detailed IBD Heli Survey – BO, AR, KL (only 1 unit) Suppression Units
- IBM Ground Survey / Fall & Burn – KL – Hawkins, Kid, Little Moyie – 2 Contracts in tender process

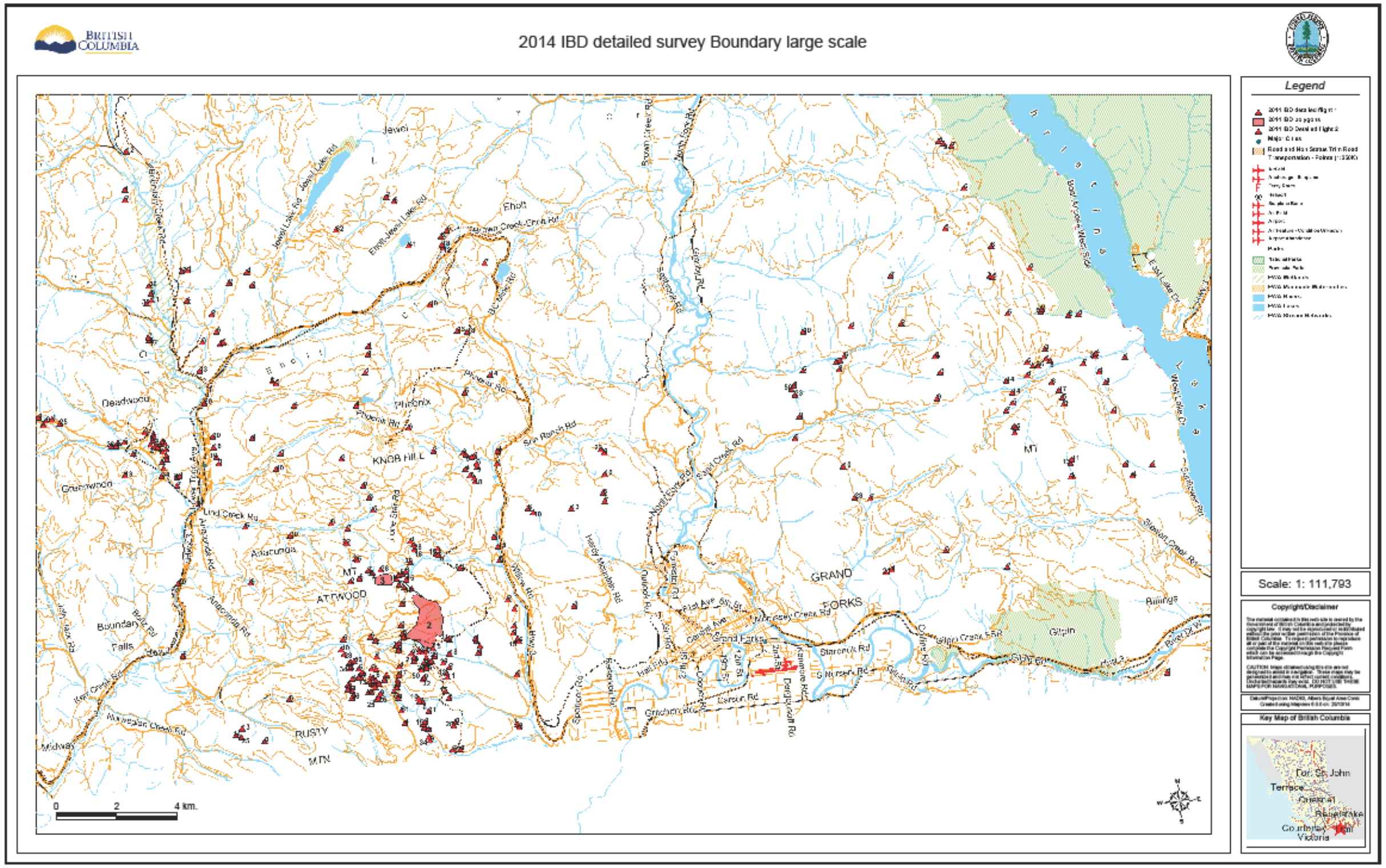
IBD Funnel Trapping

- Significant IBD in Pend D'Oreille last few years after the fire in 2008
- 30 trap sites on north side
- Trapped almost 400K beetles based on sample counts
- 2015 - Will continue project in area for at least 1 more year and maybe expand to other Areas in DSE
- 2014 Detail Heli survey suggests Red attack is some what lower

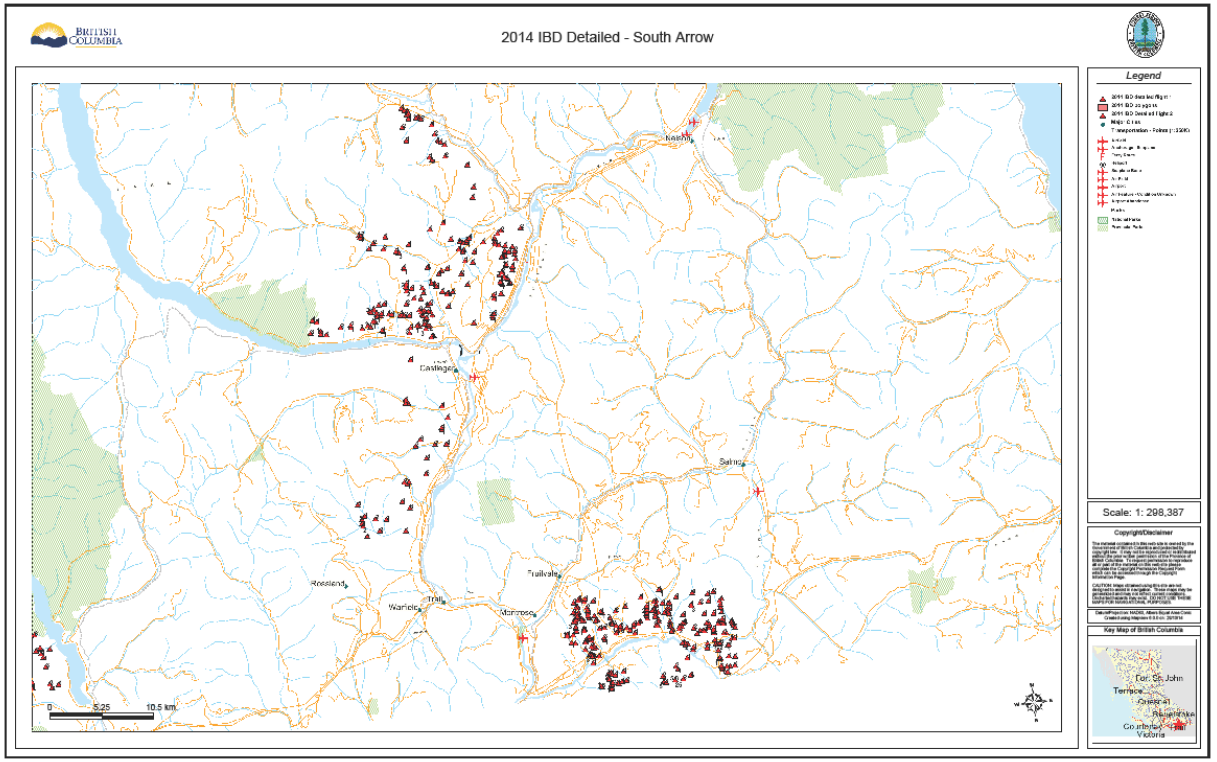
Boundary IBD – may have been counting some IBM and DRA



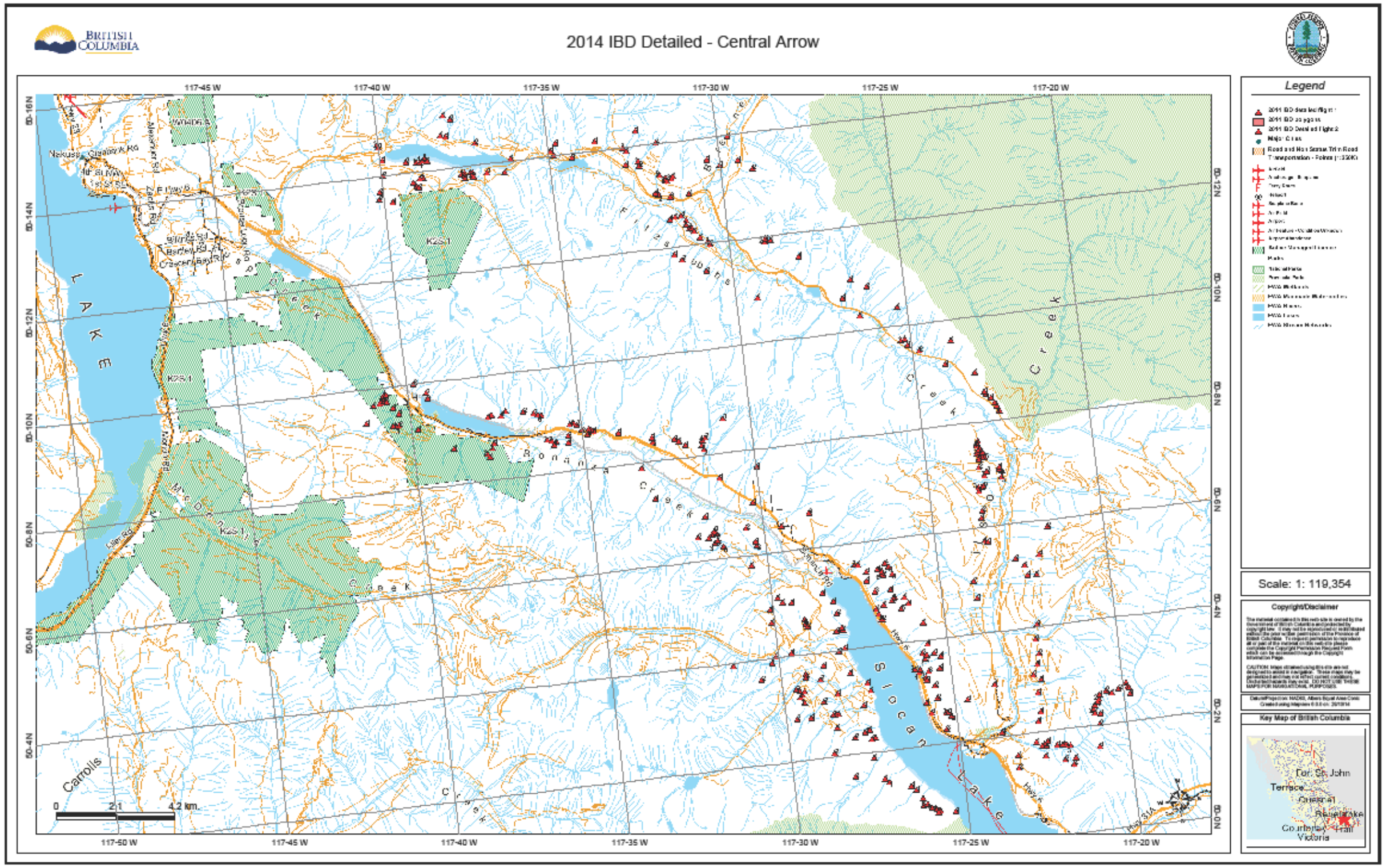
Tallied IBD in Phoenix Area may be IBM?



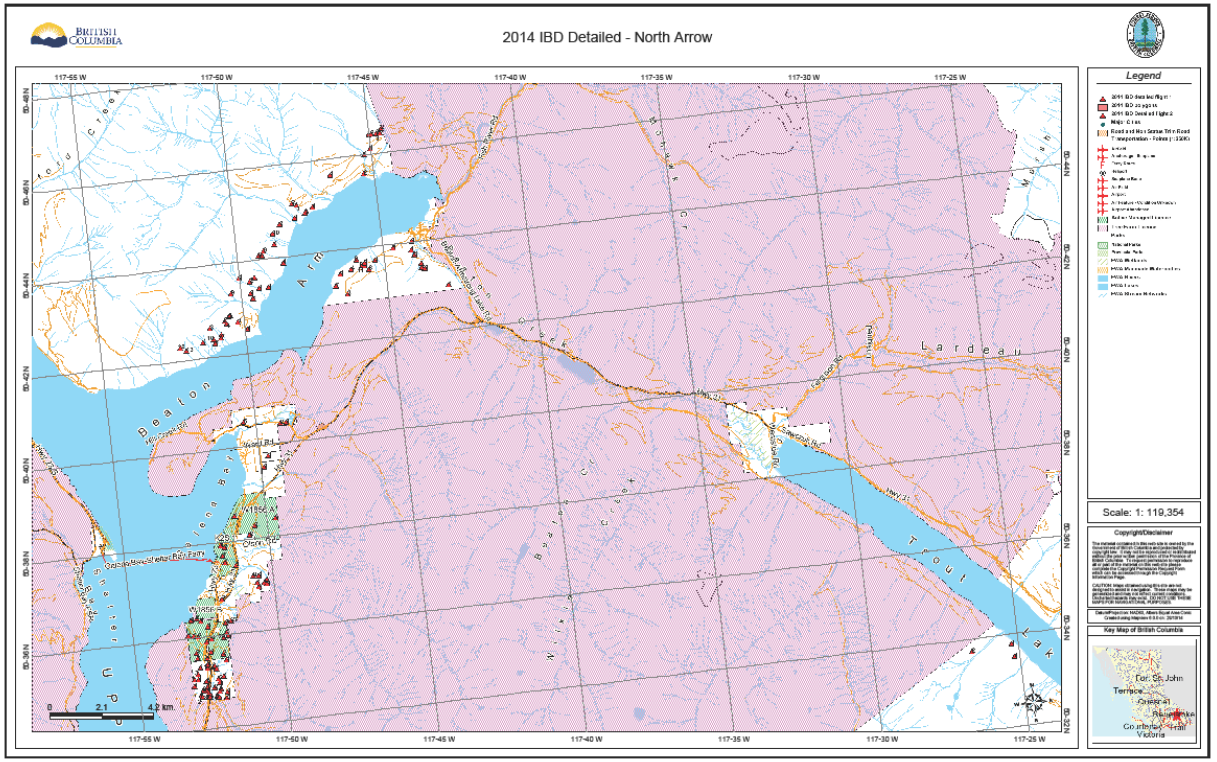
South Arrow IBD Detail Heli



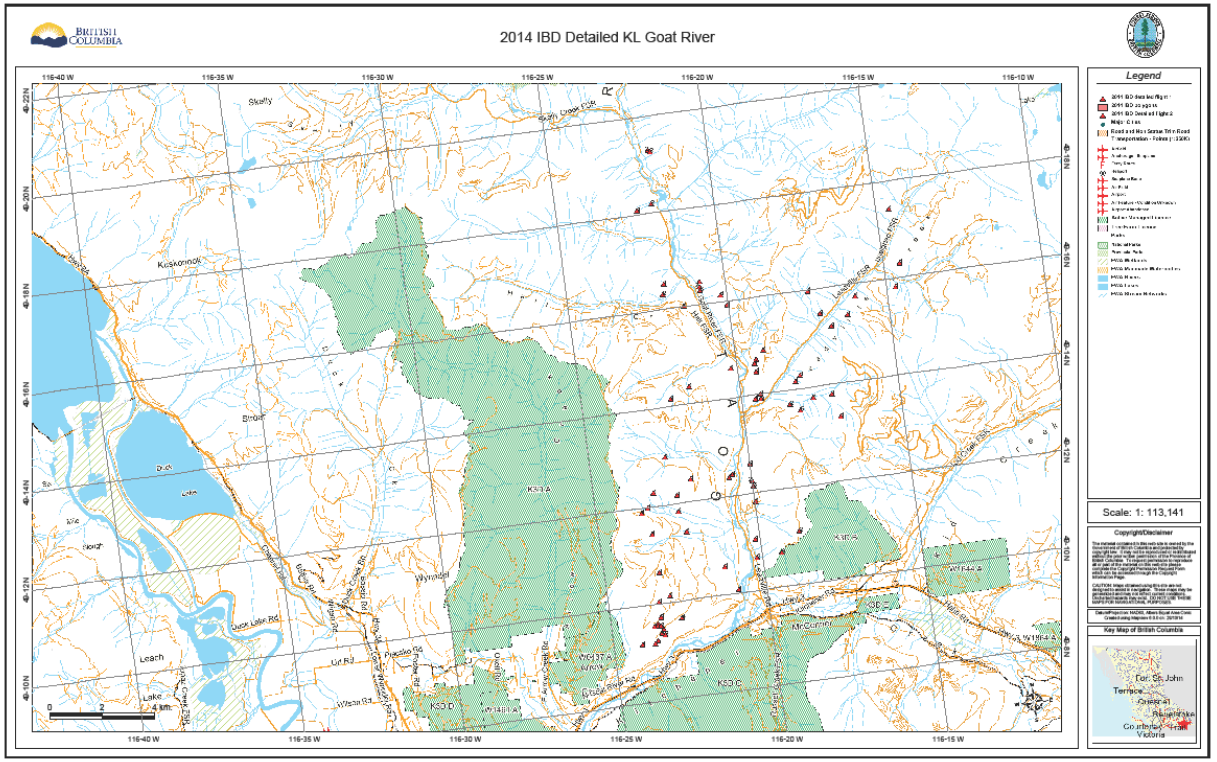
Central Arrow IBD Detail Heli



North Arrow IBD Detail Heli



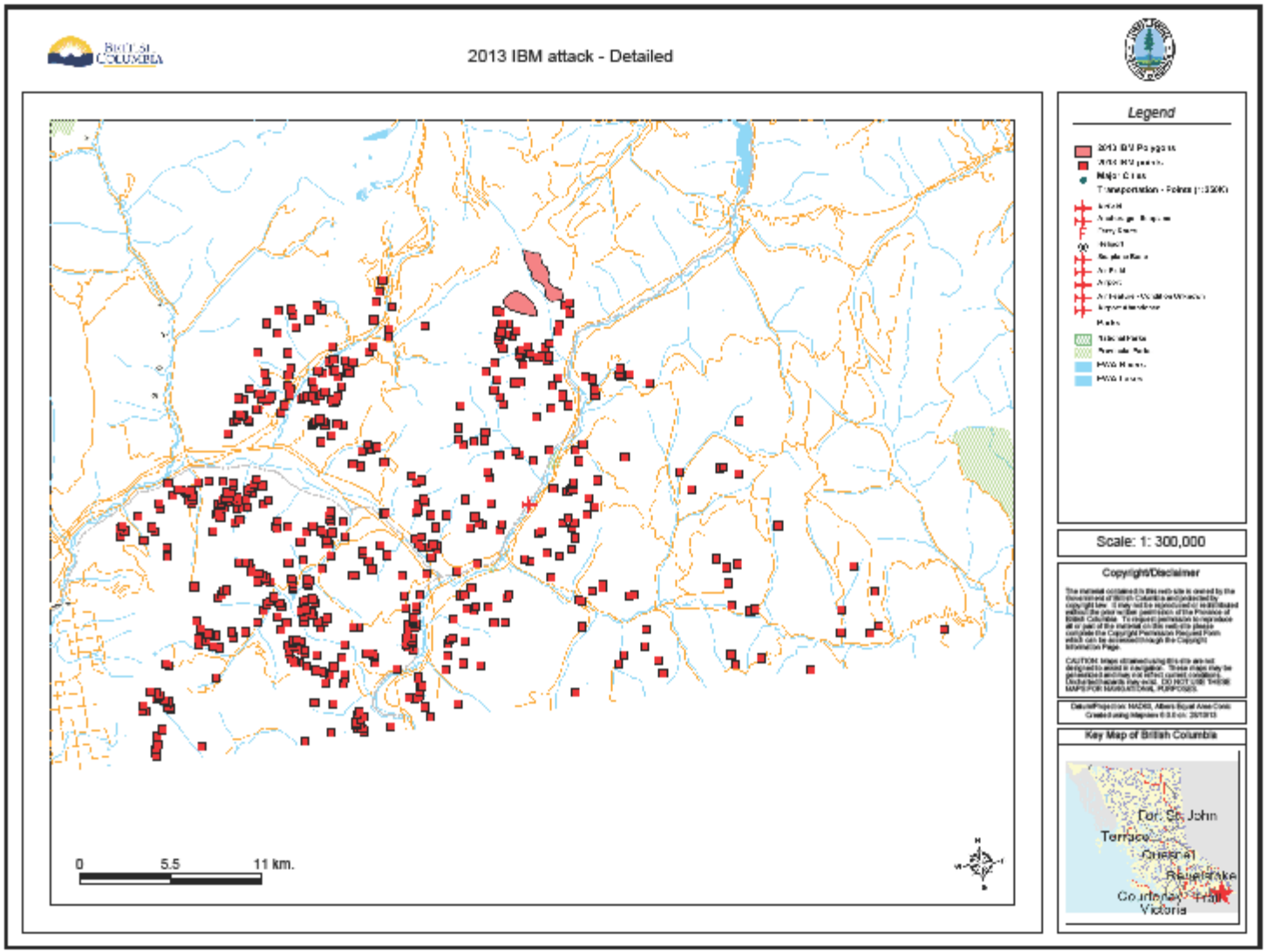
KL Goat River IBD Detail Heli



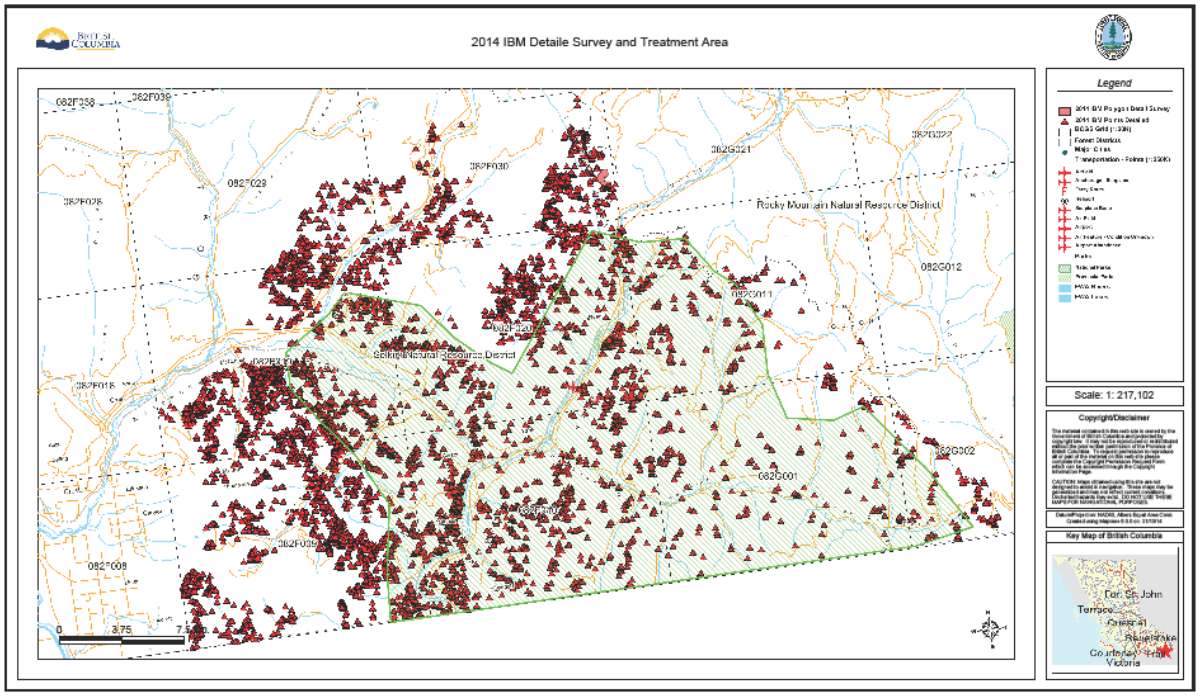
IBD Mgmt Options / Best Management Practices

- 5712 Red attack trees in 1321 spots, 2 polygons in Boundary
- **Salvage Harvest!!**
- **Pre & Post Harvest trap trees and removal**
- Funnel Trapping – Post Harvest or in existing clearcuts
- Monitoring blocks post harvest for windthrow and beetle
- A few Licencee's seem to be doing some initial / minimal IBD management
- **"Whatchya gonna do when they come for you!!"**

2013 IBM Detailed Survey - Yahk



2014 IBM Detailed- Yahk



IBM Data and Musings

- 2012 & 2013 G:R ratios around 0.15 to 0.2, DRM early data suggests similar numbers there for 2014
- IBM seemed to be declining, possibly due to treatments, harvesting and weather in previous years
- Appears to be more Reds this year, to be seen if we find a similar # of Green Attack
- 2014 - 12,899 Red Attack tallied in 4581 spots, 1 polygon 51 hectares 10% severity
- 2013 – 3402 Red Attack Tallied in 620 spots, 2 polygons 464 hectares 20% severity
- Harvest commitments and cooperation not same as previous years and not as timely
- Licencees should be looking at managing attack areas through small harvest units / salvage scenarios to capture losses and reduce future attack
- At this time I don't believe we are achieving the 80% removal target to remain in Suppression, especially in Kid and Little Moyie BMUs

Other Items

- Western Pine Beetle reported around Grand Forks and Christina Lake in Py
- Please send me a note on any FH issues in your timber or plantation stands especially anything new or a bigger concern than usual

Silviculture Survey Procedures Reminder!

- Please ensure you are gathering and reporting your survey data properly, multi layer surveys on even aged plantations is inappropriate in most cases and not standard procedure as per the survey manual, for example: survey the Lw & Pli as L3 as it is taller than 1.3 m and the Fdi and others as L4 as it is less than 1.3 m.
- DO NOT DO THIS!!!!!
- Complicates data analysis and wrong procedure