**Tiger-Dhole Project Meeting [16 Feb 2022]**

**Internal Report for Dhole [FY 21/22]**

1. Use the baseline data collected from both dens, see for any changes in behaviors. Aim towards identifying if larger space and/or environmental complexity leads to increased activity (e.g. pool, cubbing den, sand pit, etc) Use this report as stepping stone for the Dhole study. Linear regression and then r & r2 \*(try first and engage DJ’s help)
2. Report format will be similar to scientific report except Conclusion will be changed to Future direction (new keepers can understand why the study started and which direction it aims to head towards).

**Dholes**

1. New study, with the focus on each individual grouping only. Study sites will be at respective dholes exhibits to relate with RF exhibits.
2. Split exhibits into zones: 2 options.
3. Even zones (even measurement)
4. Uneven zones (use resources in the exhibit; foliage, pool, boulder, etc) \*more feasible
5. Another method of zoning would be segmenting the exhibit laterally (e.g. from furthest part of the exhibit to the frontmost end.)
6. Use of stimuli (scents, sounds; e.g. buggy, key sound, etc) in the various zones with the objective of essentially figuring out if the stimuli can get them into zones with better visibility (\*randomized) (\* consider lateral zoning for 6.0 and uneven zoning for the other 2?; feasible?)
7. To be measured via electivity index and modified spread of participation.
8. Electivity index works if stimuli used are food-based enrichments, few suggestions:
   1. Scattered feeding
   2. Buried feed – preferable as more time will be spent in the exhibit
   3. Try out insects – can source from WNC and fragile forest
   4. Zip-line for both exhibits, cheaper version but need to ensure food can snap off straight away as animals engaged with the device.
9. Suggested observation time: 5 minutes observations for every hour (similar to M2 study)
10. ZooMonitor (\*need to figure out)

**Tigers**

1. Same as dhole, to re-do the study and study site will be in the exhibit.
2. Split exhibits into zones: 2 options.
3. Even zones (need measurement)
4. Uneven zones (use resources in the exhibit; foliage, pool, boulder, etc) \*more feasible
5. Lateral zoning might be more relatable to Bongsu as he prefers more shaded and secluded area. (\*to consider?) - Bongsu’s spot has good coverage of trees and soft substrate/leaf litter.
6. Use of stimuli (scents, sounds; e.g. clicker, key sound, etc) in the various zones (\*randomized) - can try out fish (\*discuss w Kumar first), Bongsu a bit unresponsive to meat at times.
7. To measure via electivity index and modified spread of participation.
8. Pacing could be a coping mechanism for him
9. ZooMonitor