

| <b>Survey Participant Information</b>       |  |
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| Name, Institution, Job Title, Email address |  |
| <b>Survey Questions</b>                     |  |
| <b>1</b>                                    | <b>How many orangutans (M.F.) do you have at your institution?</b>   |
| 2a)   | <b>What materials are available to your orangutans to use in their nests?</b> <i>(please be as specific as possible)</i>   |
| b)  | <b>Of the materials available to your orangutans, which are used in nests?</b> <i>(please list as many nest materials as you can that you have observed one or more of your orangutans using as a structural nest element or incorporating into their nests)</i>                       |
| 3a)   | <b>Have you observed any two of your adult orangutans sharing the same nest?</b>   |
| b)  | If you answered YES to 2a: Which individuals? <i>(please specify sex and age of any pair of adult orangutans you have observed sharing a nest or write "Unsure")</i>   |
| 4 a)  | <b>Does your exhibit provide opportunities to nest off the ground?</b>   |
| b)  | If you answered YES to 4a: <b>Please describe.</b>   |
| 5 a)  | <b>Do any of your orangutans ever nest off of the ground?</b>  |
| b)  | If you answered YES to 5a: <b>Please specify all structures on/in which you have observed your orangutans nesting, e.g. in crotch of living/artificial trees, on shelves, in baskets, hammocks, etc.</b> <i>(please be as specific as possible)</i>                                    |
| <b>6</b>                                    | <b>Do your orangutans have access to lixits (also known as lickers) or an equivalent water source?</b>   |
| <b>7</b>                                    | <b>Do any of your orangutans ever plug lixits, causing the lixit to remain in the on position and create a flow of water?</b>  |
| 8 a)  | <b>If you answered YES to Question #7: Which individuals plug lixits at what approximate frequency?</b> <i>(indicate House Name, Sex, Age &amp; Frequency—i.e. daily, weekly, etc. for each individual orangutan observed to plug lixits)</i>  |
| b)  | <b>If multiple individuals are listed above, please specify which other individual(s) listed in 8a they routinely have physical and/or visual access to.</b>   |
| c)  | <b>What materials have you observed your orangutans plug lixits with?</b> <i>(please be specific, listing as many materials used to plug lixits as possible, specifying which materials are used by which individual(s) if possible)</i>   |
| d)  | <b>For any of the individuals listed in 8a, have you observed them place any other objects underneath the stream of water flowing from the plugged lixit?</b> <i>(if yes, please specify objects used and whether used by all or only specific individuals to the extent possible)</i> |
| 9 a)  | <b>Have you observed any of your orangutans building nests in close proximity (&lt;2m/6-7ft) to a plugged lixit?</b>   |
| b)  | <b>If you answered YES to 9a: Which individuals nest in close proximity to plugged lixits / at what approximate frequency?</b> <i>(indicate House Name, Sex, Age &amp; Frequency—i.e. daily, weekly, etc. for each individual)</i>   |
| <b>10.</b>                                  | <b>Please list any other noteworthy innovative behaviors exhibited by your orangutans specifically in the NESTING CONTEXT</b> <i>(please be as specific as possible)</i>   |

**Table 2.** AZA orangutan nest behavior survey questions.