Island Biosecurity – Incursion Option Analysis

Options Analysis	Incident Name …… Prepared by ……... Incident Location …… Time …….. Date … / … / …

Response Objective *(set by Incident Controller)*
Previous options discarded because:

Consider critical issues (most important first) for each option. If the outcome is unacceptable, the option is not viable.

	Option 1	**Option 2**	**Option 3**
Strategy *Briefly describe each option, show on attached map or diagram*			
Issues *May include: safety, resourcing, logistics, cost, environment, partnerships, weather, season, terrain, access, social, legal, scale.*			
Impact of response effort			
Probability of Success			
Description of critical issues. Provide details of issues listed above if necessary (or attach documentation)			
Compiler's comments on options and recommendation Name: ……..			
Decision: Option ……. is approved by Incident Controller	Name ……	Signed ……	
IC comments:			

Island Biosecurity – Incursion Option Analysis *EXAMPLE*

Options Analysis	Incident Name	*Wildlife island rat incursion* ……	Prepared by	*Planning and intelligence* ……....
	Incident Location	*Wildlife island* ……	Time *14:00*	Date *15/ 09/ 19*

Response Objective *(set by Incident Controller)* *Maintain ecosystem and species values on Wildlife Island by maintaining the island as pest free*
Previous options discarded because: *This is the first options analysis*

Consider critical issues (most important first) for each option. If the outcome is unacceptable, the option is not viable.

	Option 1	**Option 2**	**Option 3**
Strategy *Briefly describe each option, show on attached map or diagram*	***Aggressive Response**. Commit resources and make this the priority work.*	***Passive Response – Repeat eradication if required.** Assume that infrastructure and current resourcing will eliminate pest or detect if another eradication is required.*	***Walk Away.** Accept that resources cannot be maintained, and the benefits are not worth the inputs.*
Issues *May include: safety, resourcing, logistics, cost, environment, partnerships, weather, season, terrain, access, social, legal, scale.*	*May be difficult to obtain staff initially and may rely heavily on a few key staff.* *$10K-$40K (dependent on transport and trap/gear costs. This option has the lowest environmental impact.* *Option will also put a drain on partners resourcing but will foster joint understanding and commitment to biosecurity.*	*Requires only standard effort.* *Low initially but potentially very expensive for an eradication.* *Moderate costs initially with some native animal losses, but very high if end up with an established pest population and/or an eradication.* *Partners will have reduced confidence.*	*Requires least effort for field work but could generate relationship work.* *Low financial cost.* *Highest environmental cost.* *Will have negative impact on sponsors and volunteers.*
Impact of response effort	*Re-directs resources from other priority work.*	*If an eradication is required it will be costly and success is not guaranteed.*	*This option does not meet the objective.*
Probability of Success	*High*	*Moderate*	*Moderate. Yes, we can walk away but there will be a high relationship/credibility cost.*

Description of critical issues. Provide details of issues listed above if necessary (or attach documentation)

Need to target individual pest before a population can establish. Breeding will likely occur in spring with food resources available. Bird breeding and ground birds will be at risk if the pest remains on the island.

Compiler's comments on options and recommendation

Option 1: Aggressive Response – this will have the lowest resource and environmental cost and still meet the objective

Name: …*Bob Along*……..

Decision: Option …*1*…. is approved by Incident Controller	Name …*Luciano Pavarotti*….	Signed/date ……*L. Pav 15/9/19*…….

IC comments:

Accept the option 1 of aggressive response and acknowledge it will impact on XX and YY projects.

I require a weekly update on this project.

Obtain advice from biosecurity experts. Utilise the response to get community support and local media coverage.