

Column	Definition
Item	Unique numerical identifier for the recovery action between 0 and 999.
Species	Species' name entered as "Genus_species".
Action	Proposed recovery action . These descriptions should be succinct statements of a single desired action. See definitions document for further explanation and examples. Do NOT use commas in this field.
Progress	Numerical category indicating progress towards completion . Possible values are 0 = "Not Yet Started", 1 = "In Progress", 2 = "Completed", 3 = "Discontinued" (action determined ineffective and stopped prior to end date), and 4 = "Obsolete" (action no applies, no longer needed).
Status	Species' designated federal status . Possible values are T = "Threatened" and E = "Endangered".
Knowledge	Species' knowledge status . Possible values are U = "Unknown" and K = "Known".
Prerequisite	Indicates whether all prerequisites for this action have been met . Possible values are Y = "Yes" and N = "No". Only actions with status "Yes" are evaluated by the decision model.
Cost	Total estimated cost (thousands of dollars) to successfully complete the action within the established timeframe . Should include the estimated costs of any relevant expenses, including monitoring if required to confirm action effectiveness. It includes in-kind moneys expected from partners, which will be subtracted later. Importantly it EXCLUDES FWS administration costs such as salary. This value CANNOT be zero.
Time	Total estimated time (years) to complete the action. Should include the time required to monitor to confirm action effectiveness and administration time (time to process data and put together report or recommendation) to complete documentation.
CompX	Probability of successful completion given the requested total cost and time (time to task completion, NOT decision cycle) as estimated by Best Professional Judgement. Probability of completion is reduced by expected non-monetary constraints to action. Examples of factors that might reduce probability of success include social-political factors (e.g., public opinion regarding species or action, refusal to offer easements), technical-logistical factors (e.g., difficulty obtaining needed expertise or equipment), and ecological-environmental factors (e.g., high system variability and hurricane threats).
CompSD	Calculated value. CompX probability estimate * Confidence provides a value that will be used as standard deviation of normal distribution decision model.
BaseX	The current estimated 50 year extinction probability IF NONE of the recovery actions are implemented , as estimated by Best Professional Judgement. This is the current, baseline probability that the population would be extinct within 50 years if the species is not assisted by any means. This should be the SAME VALUE across all actions for a species. If Knowledge = "Unknown" (unknown if increasing/stable/decreasing) then the BaseX score is 0.5.

BaseSD	Calculated value. BaseX probability estimate * Confidence provides a value that will be used as standard deviation of normal distribution decision model.
ActX	50 year probability of extinction given SUCCESSFUL COMPLETION of this action , as estimated by Best Professional Judgement.
ActSD	Calculated value. ActX probability estimate * Confidence provides a value that will be used as standard deviation of normal distribution decision model.
RiskX	Probability that the species would become extinct within the 5 year decision cycle if THIS action is not taken. This is the risk of inaction for THIS action given Best Professional Judgement. If Status is “Unknown” (unknown if increasing/stable/decreasing) then BaseX score is 0.5
RiskSD	Calculated value. RiskX probability estimate * Confidence provides a value that will be used as standard deviation of normal distribution decision model.
ReclassX	Probability that a request for positive Status reclassification (Endangered/Threatened/Recovered) could be submitted given completion of this action OR , in the special case of species with Knowledge “Unknown”, the probability of reclassification to Known (identify population as increasing/stable/decreasing and provide data adequate to refine recovery actions for down/delisting). This assumes that any prerequisite actions have previously been completed.
ReclassSD	Calculated value. ReclassX probability estimate * Confidence provides a value that will be used as standard deviation of normal distribution decision model.
Benefits	Number of other listed species that share the same action , such that completion of the action benefits multiple listed species. Examples: Geographic co-occurrence results in multiple species benefiting from a single survey, easement, restoration, or enforcement patrols; Propagation program that researches multiple species.
Leverage	Expected percentage of Cost that would be contributed by partners (in-kind & monetary). This should be a conservative estimate based on past experience, as it will be used to discount the estimated cost for FWS. If this is an overestimate, the action will be underfunded and the model will over-predict the probability of success.
Confidence	The probability that the information accurately and precisely reflects the real expected costs, benefits, and risks associated with the action. Reflects the experts' confidence in the quality and quantity of the information used to infer the estimates for this action (the confidence in their own “best professional judgement”).
Factors	Percentage of listing factors impinging on the species that are addressed by this action. These are the factors used in the Five Factor Analysis in annual review.