

Appendix G. KBB Viability Assessment Criteria

These Tables represent a summary of a Kbb Viability assessment for the Glacial Lake Albany Recovery Unit (NY), conducted by the Eastern NY chapter of TNC using an assessment tool, “Measures of Success” developed by The Nature Conservancy (See Parish et al. 2003). Yellow highlighted areas represent information taken from the federal and/or Draft NYS Kbb Recovery Plans. We are developing and testing monitoring protocols for evaluating current conditions at subpopulations, information that once analyzed will drive management actions at sites; with a goal of moving a subpopulation’s rating from some current condition to at least a “Good” rating. This rating represents the “minimum viable” or “conserved” status.

Category	Attribute Indicator	Indicator Rating			
		Poor	Fair	Good	Very Good
Size	Number of viable populations	1	2	3-4	5+
	Number of viable sub-populations	<4	4-11	12-19	20-25
	Total # of individuals	<3,000	6,000-8,999	9,000-14,999	15,000-30,000
Condition	# High quality habitat patches	<4	4-11	12-19	20-25
Landscape Context	Nearest neighbor distance	>2km	1-2km	1km-500m	500-200m
	# Connected sub-populations	0	1	2	3+
	# Connected populations	NA	1	2	3+

*FRP defines different lupine densities for Small Patch (SP) and Large Patch (LP)
 ** maximum % cover for any single spp.

Table 2. Viability Indicator criteria of habitat patches for the Kbb in GLA.

Category	Attribute Indicator	Indicator Rating			
		Poor	Fair	Good	Very Good
Size	Acres	<0.31	0.32-0.61	0.62-639	>640
Condition	*LP Lupine Density	<200	201-404	405-999	1,000+
	*SP Lupine Density	<400	400-809	810-1,999	2,000+
	Spring Nectar Spp Richness	0	1	2-3	4+
	Summer Nectar Spp Richness	0	1	2-4	5+
	Nectar Species (# stems)	<100	100-199	200-400	400+
	Nectar Species (% cover)	<10%	10-20%	20-30%	>30%
	**Nectar Species Diversity	>75%	50-75%	25-50%	<25%
	Canopy Cover (%)	<5 or >50%	50-30%	30-15%	5-15%
	Grass Cover (%)	<5% or >95%	5-20% or 70-95%	20-30% or 50-70%	30-50%
	Habitat Heterogeneity	TBD	TBD	TBD	TBD
Landscape Context	Nearest Neighbor Distance	>2 km	1-2 km	1km – 600m	600 – 200m
	# Connected Sub-populations	0	1	2	>3

*FRP defines different lupine densities for Small Patch (SP) and Large Patch (LP)

** maximum % cover for any single spp.

