Rubric: Biological collections

	4	3	2	1
	Exemplary	Good	Fair	Poor
Time management	Allotted enough time to choose sites, press and dry plants, carefully identify specimens and	Time management deficient in one of the following: (a)collected frantically at only	Time management deficient in two or more of the following: (a)collected	Project was slapped together haphazardly and at the last
	mount specimens and labels	one site, or had to hand in (b) insufficiently dried specimens, (c) some specimens	frantically at only one site, or had to hand in (b) insufficiently dried specimens, (c)	possible moment
		without labels or with (d) inaccurate or	some specimens without labels or with	
		incomplete data, or (e) specimens for which	(d) inaccurate or incomplete data, or (e)	
		mounting was incomplete	specimens for which mounting was incomplete	
Presentation	Great care was obvious in (a) overall	Presentation deficient in one of the	Presentation deficient in two or more of	Project looks unprofessional and
	presentation of collection; (b) careful	following: (a) overall presentation of	the following: (a) overall presentation of	sloppy
	arrangement of specimens in press to produce	collection; (b) careful arrangement of	collection; (b) careful arrangement of	
	professional-looking mounts; (c) data on labels that was legible and neat; (d) plants and labels	specimens in press to produce professional- looking mounts; (c) data on labels that was	specimens in press to produce professional-looking mounts; (c) data on	
	that were placed in proper locations on	legible and neat; (d) plants and labels that	labels that was legible and neat; (d)	
	herbarium sheet and mounted securely;	were placed in proper locations on	plants and labels that were placed in	
	(e)herbarium sheets that were not bent or torn	herbarium sheet and mounted securely;	proper locations on herbarium sheet and	
	(c)herbarian sheets that were not bent of torm	(e)herbarium sheets that were not bent or	mounted securely; (e)herbarium sheets	
		torn	that were not bent or torn	
Scientific value of	Collection includes high quality data that will be	Collection includes good data that will be of	Collection includes very limited	Specimen so incomplete or of
collection	of utility to future researchers. Judgment based	utility to future researchers. Judgment	scientifically useful data. Judgment	such poor quality or specimen
	on: (a) preservation of critical representative	based on: (a) preservation of critical	based on: (a) preservation of critical	label so vague as to be of little or
	characters on specimen (flowers, fruits, stems,	representative characters on specimen	representative characters on specimen	no use to the scientific
	leaves, roots), (b) accuracy of specimen	(flowers, fruits, stems, leaves, roots), (b)	(flowers, fruits, stems, leaves, roots), (b)	community
	identification, (c) accuracy and thoroughness of	accuracy of specimen identification, (c)	accuracy of specimen identification, (c)	
	other specimen data (correct date, site	accuracy and thoroughness of other	accuracy and thoroughness of other	
	characteristics and associated species, location	specimen data (correct date, site	specimen data (correct date, site	
	information, etc.)	characteristics and associated species,	characteristics and associated species,	
		location information, etc.)	location information, etc.)	
Use of plant	Consulted appropriate resources to properly	Consulted mostly appropriate resources to	Consulted few appropriate resources to	Used instructor as primary (or
identification	identify specimens in collection. Identified (a)	properly identify specimens in collection.	properly identify specimens in collection.	only?) authority for identifying
resources	at least one specimen using a dichotomous key in a regional flora, (b) consulted regional flora	Identified (a) at least one specimen using a dichotomous key in a regional flora, but	Identified (a) did not consult dichotomous key in a regional flora for	specimens
	for final confirmation on identifications made	didn't (b) consult regional flora for final	identification of any specimens and	
	using field guides, and if (c) seeking help from	confirmation on identifications made using	didn't (b) consult regional flora for final	
	instructor, was able to ask informed questions	field guides, and/or if (c) seeking help from	confirmation on identifications made	
	that revealed a significant independent effort	instructor, asked questions that revealed	using field guides, and (c) asked	
	was made in advance to identify specimen using	limited effort was made in advance to	instructor to supply unacceptable number	
	some combination of field guides, flora(s)	identify specimen using some combination	of identifications	
	and/or other resources	of field guides, flora(s) and/or other resources		
Digital collections	Performed sensible queries to answer the	Did not find some of the relevant data due	Failed to find many of the answers due to	Failed to find most of the answers
activity	questions posed; went beyond the most obvious	to ineffective searches or ineffective use of	incorrect searches or sloppy processing of	due to incorrect searches or
	links to explore some of the more obscure data	search results; although most questions	retrieved records; several answers vague,	sloppy processing of retrieved
	and links; answered questions thoughtfully and	were accurately answered some answers	reflecting little or no critical thought or	records; most answers vague or
	creatively	were composed quickly and with limited	unintelligible	unintelligible, reflecting very little
	-	thought or creativity	, , , , , , , , , , , , , , , , , , ,	effort or critical thinking