

DECISION SUPPORT TOOL 1

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1	IS THE ALLUVIAL FAN ACTIVE?	NO: Go to 2A	YES: Go to 2B	MAYBE: Go to 2A		
2A	INACTIVE ALLUVIAL FAN ECOLOGICAL CONSIDERATIONS					
Hydrology/Geomorphology Considerations					Potential Flood and Natural Resource Impacts	Potential Costs
	Are flood flows expected to exceed the banks of the floodway?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Can the risk be reduced? Circle YES or NO	Will flood management require a significant one time cost? Circle YES or NO
	Are the channels incised?	NO: Continue questions to right	YES : Do not continue to right	Continue to right	Can the risk be reduced? Circle YES or NO	Will flood management require a significant one time cost? Circle YES or NO
	Are current floodplain management efforts adequate? Is floodplain stable?	NO: Continue questions to right	YES : Continue questions to right	Continue to right	Can the concern be mitigated? Circle YES or NO	
	Does the fan recharge a groundwater basin that is actively being used for water supply?	NO: Continue questions to right	YES: Continue questions to right	Continue to right	Are there ongoing impacts to local water supply? Circle YES or NO	
	Does ground water recharge occur on limited parts of the fan?	NO: Continue questions to right	YES: Continue questions to right	Continue to right	Are there ongoing impacts to local water supply? Circle YES or NO	
	Is it in an existing NFIP mapped flood plains?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Can the risk be reduced? Circle YES or NO	Will flood management require a significant one time cost? Circle YES or NO
2B	ACTIVE ALLUVIAL FAN ECOLOGICAL CONSIDERATIONS					
Hydrology/Geomorphology Considerations						
	Are flood flows expected to exceed the banks of the floodway?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Can the risk be reduced? Circle YES or NO	Will flood management require a significant one time cost? Circle YES or NO
	Does stream bedload include boulders?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Can the risk be reduced? Circle YES or NO	Will flood management require a significant one time cost? Circle YES or NO
	Is there evidence of multiple channels carrying water in the last 50 years?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Can the risk be reduced? Circle YES or NO	Will flood management require a significant one time cost? Circle YES or NO
	Does the fan recharge a groundwater basin that is actively being used for water supply?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Are there ongoing impacts to local water supply? Circle YES or NO	
	Does ground water recharge occur on limited parts of the fan?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Are there ongoing impacts to local water supply? Circle YES or NO	
3	Ecological Processes Considerations					
	Are there migratory species that use the fan?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are nitrogen, phosphorous, and GHG (greenhouse gas) releases approximately the level of natural background?	NO: Continue questions to right	YES : Do not continue to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	
4	Disturbance Regimes Considerations					
	Do fires regularly occur in the upper watershed? In the last 10 years?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant would the repercussions be? Circle HIGH MEDIUM LOW	Can the risk be reduced? Circle YES or NO
	Are there know faults running across this fan?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant would the repercussions be? Circle HIGH MEDIUM LOW	Can the risk be reduced? Circle YES or NO
	Are past landslides or debris flows evident?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant would the repercussions be? Circle HIGH MEDIUM LOW	Can the risk be reduced? Circle YES or NO
	Is there a history of damaging flood flows?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant would the repercussions be? Circle HIGH MEDIUM LOW	Can the risk be reduced? Circle YES or NO
5	Biotic Condition Considerations					
	Does the alluvial fan provide ecological processes (i.e.flooding, sediment transport) that are critical to the maintenance of lower elevation protecting habitats?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are there plants present that are classified as invasive pest plants?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	
	Are special status species likely to occur on this fan? (Does the fan provide habitat for species that are included in local, regional, State or federal conservation planning efforts)	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are migratory paths likely to occur on this fan?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are there plants or animals present that are highly dependent on other plants or animals present?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are there distinct continuous or contiguous habitats?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are there intact migration corridors? Does the alluvial fan provide connectivity between lower elevation protected habitats and higher elevations that may provide refugia from increasing temperatures or decreasing precipitation?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
	Are proposed development reduce agricultural lands?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	Can the impact be mitigated? Circle YES or NO
6	Chemical/Physical Considerations					
	Are there naturally occurring harmful minerals or other chemicals?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	How significant is the Impact? Circle HIGH MEDIUM LOW	
	Does the fan provide for areas critical to aquifer recharge?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Are there ongoing impacts to local water supply? Circle YES or NO	
	Are high winds expected seasonally?	NO: Do not continue to right	YES: Continue questions to right	Continue to right		
7	Socio-Economic Considerations					
	Are there known archeological or cultural resources present on the fan?	NO: Do not continue to right	YES: Continue questions to right	Continue to right	Can the impact be mitigated? Circle YES or NO	
	Are the existing land uses consistent with the General Plan?	NO: Do not continue to right	YES: Do not continue to right	Continue to right	Would a General Plan Amendment reduce open space? Circle YES or NO	
	Are local services sufficient to meet demand?	NO: Do not continue to right	YES: Do not continue to right	Continue to right	Can the impact be mitigated? Circle YES or NO	
	Are services from outside the area needed to support existing communities?	NO: Do not continue to right	YES: Do not continue to right	Continue to right	Can the impact be mitigated? Circle YES or NO	
	Will services from outside the area be needed for the proposed development?	NO: Do not continue to right	YES: Do not continue to right	Continue to right	Can the impact be mitigated? Circle YES or NO	
TOTAL ATTRIBUTES POTENTIALLY AFFECTED		TOTAL NO	TOTAL YES	TOTAL MAYBE	TOTAL IMPACTS?	

