Relative Hazard Index Assessment, 45 Ranch 8/18/2024 - Jim Hudson/David Thomas

Total RHI Score

25

Category	Variable	Score	RHI Score
Airport Environment (A/E)			
Runway Legth	<1,000'	5	
Runway Legth	1,000 - 2,000	4	
Runway Legth	2,001 - 3,000	3	2700' 3
Runway Legth	3,001 - 4,000	2	
Runway Legth	4,001 - 5,000	1	
Airport Elevation	9,000 - 10,000	7	
Airport Elevation	8,000 - 8,999	6	
Airport Elevation	7,000 - 7,999	5	
Airport Elevation	6,000 - 6,999	4	
Airport Elevation	5,000 - 5,999	3	
Airport Elevation	4,000 - 4,999	2	4,300 MSL Elevation (published) GG E 4355 2
Airport Elevation	3,000 - 3,999	1	
Airport Elevation	Below 3,000	0	
Mountain Proximity	(moutain defined as terrain > 1,000' vertical)		
Mountain Proximity	<1 Mile	5	
Mountain Proximity	1-3 Miles	3	From GG Earth - Canyon Walls 900' 1.5 mi 3
Mountain Proximity	3 - 5 Miles	1	
Total A/E			8

Approach	Abrupt Turn required on final?	5	N/A	
Approach	Non-standard pattern required?	3	Yes, either N or S approach	3
Approach	Airstrip not visible on 1/2 mile final?	4	Landing to the North, visible landing South	2
Approach	>50' obstacle on approach?	3		
Approach	Approach over water or cliff?	3	Yes, either N or S approach	3
Approach	No go-around from flare?	3	Can go aroundon N approach	0
Approach	RWY selection dictated by terrain, not wind?	2	Probably could leand either direction	0
Departure	Abrupt turn required on departure?	5	Yes - Either N or S departure	5
Departure	End of runway not visible	1	N/A	
Departure	Departure over abrupt dropoff (Cliff)?	2		
Departure	RWY selection dictated by terrain, not wind?	2	Probably should always depart N	2
Total A/D				15

Runway Surface Hazards (RHS)	No runway Markings	2	No end markers, side markers or num 2
Runway Surface Hazards (RHS)	No windsock	2	Windsocks on each end of runway
Runway Surface Hazards (RHS)	Overgrown grass	1	Runway is regularly mowed
Runway Surface Hazards (RHS)	Loose gravel	1	N/A
Runway Surface Hazards (RHS)	Soft sand	2	N/A
Runway Surface Hazards (RHS)	Extremely soft sand (>1" deep footprint)	3	N/A
Runway Surface Hazards (RHS)	Mud	2	N/A
Runway Surface Hazards (RHS)	Deep erosion / water on runway	2	N/A
Runway Surface Hazards (RHS)	Deterioration due to rodents or small animals	1	N/A
Runway Surface Hazards (RHS)	Dogleg	1	N/A
Runway Surface Hazards (RHS)	Bumps (1 pt for each bump)	1	No significant bumps / flat runway
Runway Surface Hazards (RHS)	Dips (1 pt for each dip)	1	No significant dips / flat runway
Runway Surface Hazards (RHS)	Adverse gradient	2	N/A
Runway Surface Hazards (RHS)	Runway has scattered brush (>1 ft)	5 - 10	N/A
Runway Surface Hazards (RHS)	Runway has densely scattered brush (>1 ft)	10	N/A
Runway Surface Hazards (RHS)	Full runway length not usable	1 - 5	N/A
Runway Surface Hazards (RHS)	Other hazards	10	N/A
Total A/D			2