

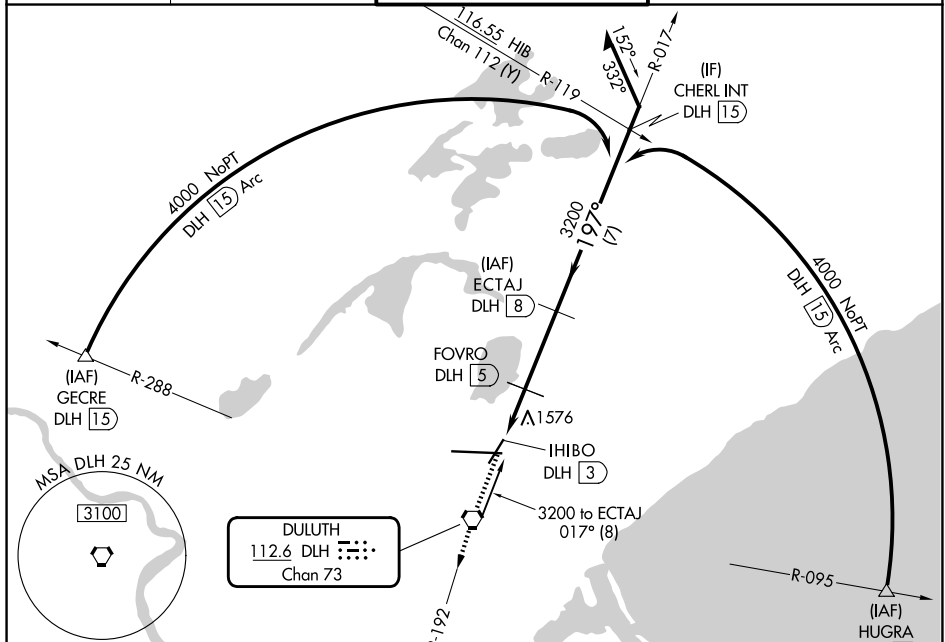
VORTAC DLH <u>112.6</u> Chan 73	APP CRS 197°	Rwy Ldg 5719 TDZE 1420 Apt Elev 1428
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VOR/DME or TACAN RWY 21
DULUTH INTL (DLH)

T	Circling NA for Cat E southeast of Rwy 3-27.
A	Visibility reduction by helicopters NA.
ASR	Rwy 21 Straight-in and Circling minimums NA at night.

MISSED APPROACH: Climb to 3800 direct DLH VORTAC then on DLH VORTAC R-192 to MIZOU/DLH 7 DME and hold.

ATIS 124.1 270.1	DULUTH APP CON 125.45 233.7	DULUTH TOWER 118.3 257.8	GND CON 121.9 348.6
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ELEV 1428	D	TDZE 1420
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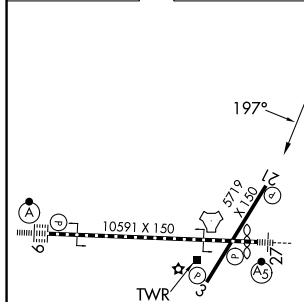


Diagram illustrating a Circling Approach to Runway 192L. The diagram shows a descent profile starting at 3800 feet, passing 2100 feet, and leveling off at 3200 feet. Key features include:

- Initial Descent:** 3800 feet, DLH (12°), R-192.
- Intermediate Descent:** 2100 feet, FOVRO DLH (5°), TCH 45°.
- Final Approach:** 3200 feet, ECTAJ DLH (8°), 17° angle, 197° turn.
- Distance Markers:** 2 NM and 3 NM.
- Altitude Markers:** 3800, 2100, 3200.
- Angles:** 12°, 17°, 197°, 3.29°.
- Notes:** VGSi and descent angles not coincident (VGSi Angle 3.00/TCH 37). Remain within 15 NM.

CATEGORY	A	B	C	D	E
S-21	1860-1	440 (500-1)	1860-1 $\frac{3}{8}$	440 (500-1 $\frac{3}{8}$)	
CIRCLING	1880-1 452 (500-1)	1900-1 472 (500-1)	1940-1 $\frac{1}{2}$ 512 (600-1 $\frac{1}{2}$)	2400-3	972 (1000-3)

VOR/DME or TACAN RWY 21