

MISSION DATA CARD							
OPORD		Callsign		Mission		Date/Time	
414/2021		Panther 6		Training		290000NOV21	
Task	Training PreBriefed HARM Low and Close					Freq	
AO	North War/ SA-10					261.35	
Departure				Recovery			
FYTTR THREE				HI-TACAN Y RWY 21L			
#	Callsign	Pilot		IFF	TCN	LSR	NET
-1	Panther 6-1	Prinz		1251	31Y	1571	
-2	Panther 6-2	Jemi		1252	94Y	1572	
-3	Panther 6-3	Tammi		1253	94X	1573	
-4	Panther 6-4	Hawk		1254	31X	1574	

LOADOUT			
A/A	2xA9X, A120C		GUN 100% HEI-T
A/G	4xA88C		CHF 90
POD	TGP		FLR 30
TKS	FPU-8A		FUEL 100%

TOLD					
	Takeoff	Target	Joker	Bingo	Land
FUEL	13047			2500	

AIRBASES								
	Name	TCN	ATIS	GND	TWR	RWY	Elev	ILS
Dep	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Arr	Nellis AFB	12X	270.1	275.8	327.0	21L	1850	109.1
Div	Creech AFB	87X	290.45	275.8	360.6			

FLIGHTPLAN				
#	Name	Navaid/Coords/DME	ALT	TOT
1	FYTTR	LSV 269/33 (N36 21.440 W115 41.470)	20000	
2	JAYSN	N36 34.425 W116 02.444	30000	
3	FLUSH	LSV 287/73 (N36 50.800 W116 20.270)	30000	
4	GARTH	LSV 302/90 (N37 17.960 W116 21.260)	6000	
5	Belted Peak	TQQ 100/36 (N37 34 W116 04.500)	6000	
6	Groom Lake	INS 339/42 (N37 16.500 W115 48)	4500	
7	BIGHORN	LSV 347/97 (N37 52 W115 02)	30000	
8	ELKXX	LSV 001/100 (N37 52 W114 30)	30000	
9	MOOSE	LSV 016/94 (N37 36.770 W114 04.420)	30000	
10	TIMBR	LSV 011/33 (N36 45 W114 44.580)	25000	
11	ARCOE	LSV 357/30 (N36 44.260 W114 55.020)	20000	
12	TROUTT	LSV 323/63 (N37 17 W115 07.050)	0	

COMMS	
Radio	Usage
1	(3), (4), (16)
2	261.35
3	41
4	45

NOTES

--- FAH 020+/- 10 (15-10 nm) --- WP 1-2-3-(6)
Target SA-10

EWR 1L13 S 101
EWR 55G6 S 102
SAM SA-10 S-300PS SR 5N66M CS 103 #1
SAM SA-10 S-300PS SR 64H6E BB 104 #2
SAM SA-10 S-300PS TR 30N6 10 110 #3 #4

SAM SA-11 Buk SR 9S18M1 SD 107
SAM SA-11 Buk LN 9A310M1 11 115
SAM SA-6 Kub STR 1S91 6 108
CP 9S80M1 Sborka DE 109
SAM SA-8 Osa 9A33 8 117
SAM SA-13 Strela-10M3 9A35M3 13 118
SAM SA-15 Tor 9A331 15 119
SAM SA-19 Tunguska 2S6 19 120
AAA ZSU-23-4 Shilka A 121
SAM SR P-19 S 122

SAM SA-3 S-125 TR SNR 3 123
Rapier FSA Blindfire Tracker RP 124
Rapier FSA Launcher RT 125
SAM SA-2 TR SNR-75 Fan Song 2 126
HQ7 Self-Propelled LN 7 127
HQ7 Self-Propelled STR HQ 128

SAM Roland ADS RO 201
SAM Patriot STR AN/MPQ-53 P 202
SAM Hawk SR AN/MPQ-50 HK 203
SAM Hawk TR AN/MPQ-46 HK 204
SAM Roland SR RO 205
SAM Hawk CWAR AN/MPQ-55 HK 206
AAA Gepard A 207

AAA Vulcan M163 A 208
CV 1143.5 Admiral Kuznetsov SW 301
CV 1143.5 Admiral Kuznetsov(2017) SW 320
CG 1164 Moskva T2 303
FFL 1124.4 Grisha HP 306
FF 1135M Rezkly TP 309

FSG 1241.1MP Molniya PS 312
CGN 1144.2 Piotr Velikiy HN 313
Ticonderoga class AE 315
FFG 11540 Neustrashimy TP 319

Oliver Hazzard Perry class 49 401
CVN-70 Carl Vinson SS 402
CVN-71 Theodore Roosevelt SS 403
CVN-72 Abraham Lincoln SS 404
CVN-73 George Washington SS 405
CVN-74 John C. Stennis SS 406
LHA-1 Tarawa 40 407

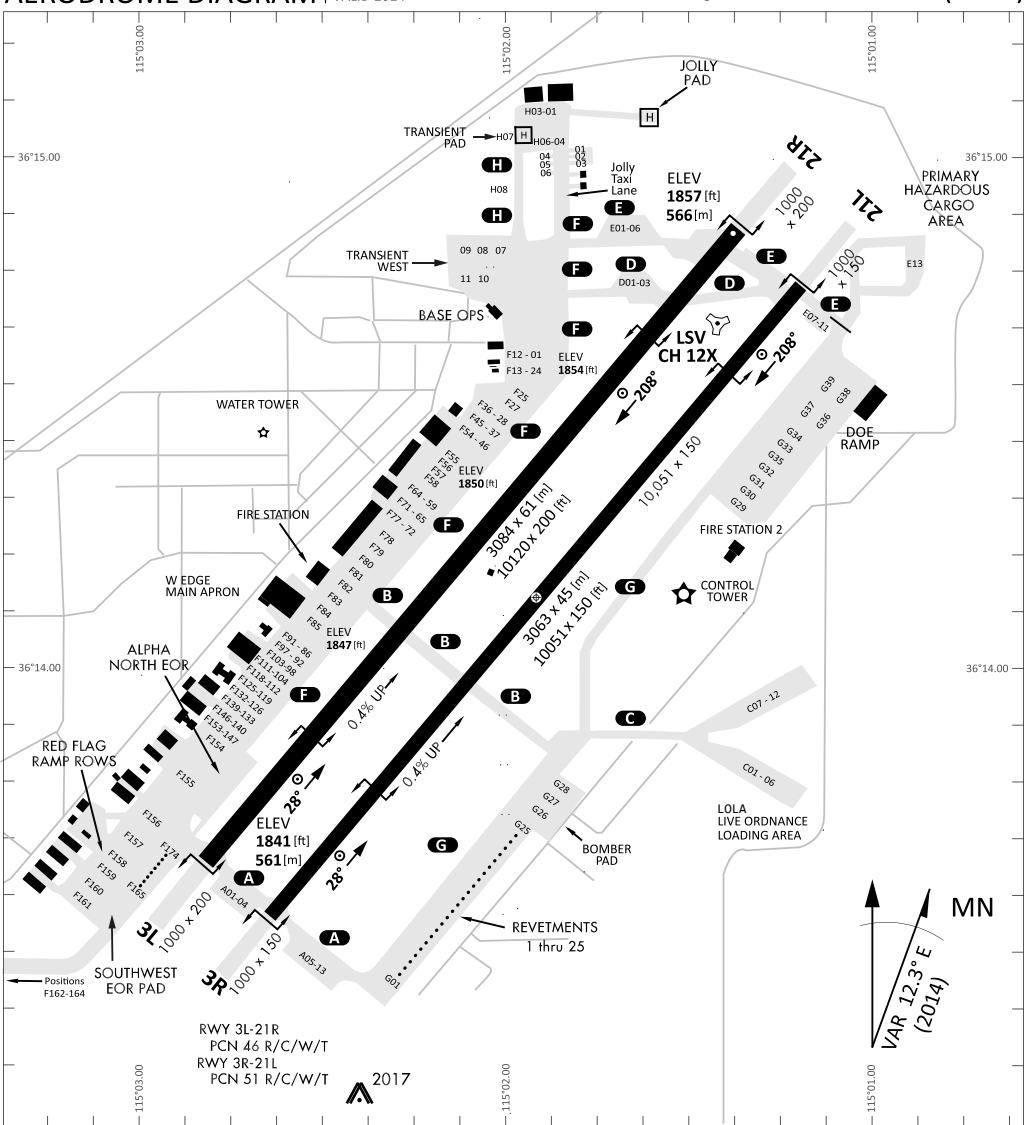
Type 071 Amphibious Transport Dock PS 408
Type 052B Destroyer MR 409
Type 052C Destroyer HN 410
Type 054A Frigate MR 411

SUPPORT					
Tanker					
Callsign		TCN	Freq	ALT	TAS
ARCO 1		113Y	319.8	FL250	450
	Pos	AR-625: MVA 168/77 (N3717 W11802)			
SHELL 2		115Y	360.8	FL250	430
	Pos	AR-635: MLF 260/127 (N3831 W11542)			

RADIO CHANNELS		
#	Freq	Name
1		Flight/Squadron specific
2	289.4	Nellis Clearance Delivery
3	275.8	Nellis Ground
4	327.0	Nellis Tower
5	385.4	Nellis Approach/Departure West
6	273.55	Nellis Approach/Departure East
7	317.525	Nellis Control -- Sally
8	254.4	Nellis Control-- Lee
9	305.6	SOF Bullseye
10	343.725	EMERGENCY SINGLE FRQ
11	270.1	Nellis ATIS
12	360.625	Creech AFB Tower
13	250.1	HAVE QUICK 13
14	251.1	HAVE QUICK 14
15	252.1	HAVE QUICK 15
16	377.8	Blackjack
17	265.0	KC-135 AR-641A
18	360.8	KC-135MPRS AR-635
19	319.8	KC-135MPRS AR-625
20	300.05	KC-135 AR-231V

RAMROD										
0	1	2	3	4	5	6	7	8	9	
R	A	U	N	C	H	I	E	S	T	
KTC 1400 C										
	0	1	2	3	4	5	6	7	8	9
A	WFGY	ITS	RCB	EL	JM	HVQ	AK	DP	NO	XU
B	PLYN	SVH	IXQ	BO	KA	JTU	DW	CE	GF	RM
C	TEBV	UFY	XKN	OW	HD	RGS	IP	CA	LM	QJ
D	RTEU	IBW	MOL	YD	JX	VHF	SQ	NG	KA	CP
E	RQKV	YDC	OUT	LJ	FP	BES	IA	GH	NM	XW
F	CHIT	AEY	PKN	OG	XQ	DJW	UL	VR	FS	MB
G	WDME	SGQ	AFI	TN	OC	KBX	PU	YV	HR	LJ
H	PIMC	EYT	JHD	XF	GO	AWL	KR	NV	QS	UB
I	NSBX	YMK	RTP	FJ	GH	QAU	LW	DE	CO	IV
J	UGNI	MYA	BRD	OC	TE	VHK	QX	FS	WP	JL
K	VBIA	POT	RNX	WH	US	LEJ	KD	MC	GF	QY
L	WBQX	RMD	SEI	TH	FY	AVN	KP	UJ	LG	CO
M	UQDY	GMW	NOE	XF	BV	IPL	AH	RT	JC	KS
N	VWCE	QNS	UAL	HX	RF	KBM	DY	GO	PI	TJ
O	BTMA	PQH	WLG	CU	SK	FDX	EV	RN	OI	YJ
P	NVBY	SJE	WOA	CX	RK	LMP	FI	HG	DQ	UT
Q	CEPG	BXV	RHS	TD	FJ	YLQ	WM	NA	OI	KU
R	EOPX	GFQ	VNU	BH	SL	CYT	WI	KJ	DM	AR
S	PGSV	QWI	JHF	AK	UR	NOM	DX	BE	YT	LC
T	NHGS	TWM	CJO	RQ	PX	EVA	YB	UK	DI	FL
U	PWKQ	TMR	SYU	OJ	LH	GCI	VE	XB	DN	AF
V	YHOW	TLD	VFE	QN	JP	CGX	KI	AM	SB	RU
W	RMDY	VHP	CET	QJ	SX	WAB	KN	LU	IF	GO
X	IEUR	QAX	YJP	DW	LT	FON	SM	VH	CB	GK
Y	PIJT	WBQ	MSF	KN	RH	CUA	VL	DE	YO	XG

NAVAIDS				
Id	Name	Channel	Position	Elevation
BCE	Bryce Canyon	75	N3741.35 W11218.23	9040
BIH	Bishop	33	N3722.62 W11821.99	4114
BLD	Boulder	114	N3559.75 W11451.82	3650
BTY	Beatty	94	N3648.54 W11644.86	2925
CDC	Cedar City	120	N3747.24 W11304.90	5463
DAG	Daggett	79	N3457.75 W11634.69	1760
EED	Needles	99	N3445.96 W11428.43	650
GFS	Goffs	91	N3507.87 W11510.59	4019
GRL	Groom Lake	18	N3713.91 W11548.16	4475
HEC	Hector	74	N3447.83 W11627.78	1854
ILC	Wilson Creek	110	N3815.02 W11423.65	9318
INS	Creech AFB	87	N3635.20 W11540.12	3101
LAS	McCarran Intl	116	N3604.78 W11509.59	2142
LSV	Nellis	12	N3614.68 W11501.50	1864
MLF	Milford	58	N3821.62 W11300.79	4977
MMM	Mormon Mesa	90	N3646.16 W11416.65	2120
MVA	Mina	98	N3833.92 W11801.97	7860
OAL	Coale Dale	124	N3800.20 W11746.23	4800
PGS	Peach Springs	57	N3537.48 W11332.67	4754
TPH	Tonopah Muni	119	N3801.84 W11702.01	5330
TQQ	Silverbow	77	N3748.00 W11647.00	5500
UTI	St George	23	N3705.29 W11335.53	2871



	RWY	CAT	MINIMA		ARP 36° 14.060' N 115° 01.058' W	ELEV 1857 [ft] 566 [m]	Scale 1:35'500						
PAR	21L	A B D E	2057 - Q.8 200 (200-0.8/1.6) GS 3°				0	300	600	900	1200	1500 [m]	
	3R	A B D E	2057 - 0.8 200 (200-0.8/1.6) GS 3°				0	1000	2000	3000	4000	5000 [ft]	
SRA	21R	A C D E	2257 - 1.2 350 (350-1.2/1.6)										
	3L	A C D E	2257 - 1.2 350 (350-1.2/1.6)										
RWY		TORA		TODA		ASDA		LDA		PSN THR		ALS	
21L		10051 [ft] 3063 [m]		11051 [ft] 3368 [m]		11051 [ft] 3368 [m]		10051 [ft] 3063 [m]		36°14.043'N 115°01.018'W		⊕	
3R		10120 [ft] 3084 [m]		11120 [ft] 3398 [m]		11120 [ft] 3398 [m]		10120 [ft] 3084 [m]		36°13.029'N 115°02.038'W			
ATIS		NELLIS GROUND		NELLIS TOWER		NELLIS CONTROL		TACAN		ILS RWY 21L		NELLIS EAST	NELLIS WEST
270.100 Mhz		275.800 121.800		327.000 132.55		317.525		LSV 12X		109.10 Mhz		384.400	385.000

FYTTR THREE DEPARTURE

NELLIS AFB (KLSV)
IFR CHART | VALID 2014 LAS VEGAS, NEVADA

ATIS
270.100
NELLIS GROUND
275.800
NELLIS TOWER
327.000
NELLIS CONTROL
317.525
NELLIS DEP/APP EAST
384.400
BLACKJACK
377.800



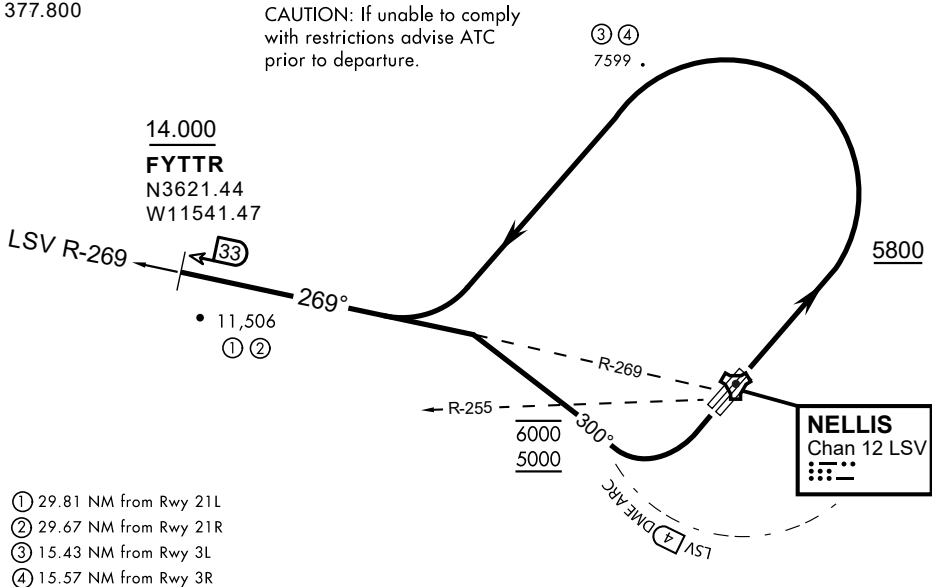
Rwy	Knots	60	120	180	240	300	360
3L	(a) V/V(fpm)	394	788	1182	1576	1970	2364
3R	(a) V/V(fpm)	392	784	1176	1568	1960	2352
21L	(b) V/V(fpm)	388	776	1164	1552	1940	2328
21R	(b) V/V(fpm)	390	780	1170	1560	1950	2340

Minimum Climb Rate

(a) to 9300

(b) to 13 500

CAUTION: If unable to comply with restrictions advise ATC prior to departure.



- (1) 29.81 NM from Rwy 21L
- (2) 29.67 NM from Rwy 21R
- (3) 15.43 NM from Rwy 3L
- (4) 15.57 NM from Rwy 3R



DEPARTURE ROUTE DESCRIPTION

TAKEOFF RWY 3L/R

- Fly runway heading until reaching 5,800'.
- Then climbing left turn to intercept LSV TACAN R-269 outbound.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

TAKEOFF RWY 21L/21R

- Turn right to intercept LSV TACAN R-269 outbound.
- Remain within LSV 4 DME until joining LSV R-269
- Cross R-255 between 5,000' and 6,000'.
- Cross FYTTR at or above 14,000' or as assigned, then via assigned route.

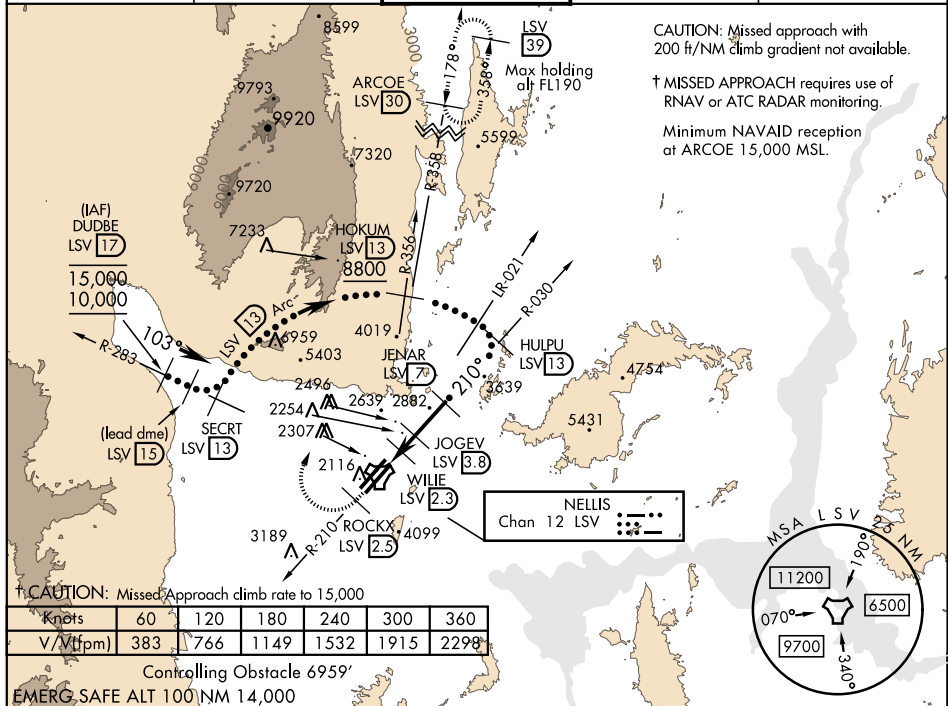
NOISE ABATEMENT PROCEDURES:

Fly according Nellis Noise Abatement instructions as published

HI-TACAN Y RWY 21L

TACAN Chan 12	LSV 210°	APCH CRS 210°	Rwy ldg 21L 10,051 TDZE 1865 Arpt Elev 1869	Rwy ldg 21R 10,120 TDZE 1869	JAL-227 [USAF]	NELLIS AFB (KLSV)
▼ * When ALS inop, increase CAT CDE vis to 1¾ miles. ** Circling not authorized E of Rwy 3R-21L.			ALSF-1  † MISSED APPROACH: Climb to 15,000, intercept LSV TACAN R-210 to 2.5 DME (ROCKX), then climbing right turn heading 020° to join LSV R-358 to ARCOE and hold, continue climb in hold to 15,000. Missed approach not for civil use.			

ATIS 270.1	NELLIS APP CON 124.95 273.55	NELLIS TOWER 132.55 327.0	GND CON 121.8 275.8	CLNC DEL 120.9 289.4
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VGSI and descent angles not coincident
(VGSI angle 3.00/TCH 54).

CATEGORY	C	D	E
S-21L *	2460-1 ¼	595 (600-1 ¼)	
SIDESTEP 21R	2460-1	591 (600-1)	
C CIRCLING **	2620-2 ¼ 751 (800-2 ¼)	2840-3 971 (1000-3)	3040-3 1171 (1200-3)

HIRL all Rwy

HI-TACAN Y RWY 21L



INDIAN SPRINGS, NEVADA

TACAN INS Chan 87	APCH CRS 065 °	Rwy ldg TDZE Arpt Elev	9002 3133 3113
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INDIAN SPRINGS AF AUX (KINS)

▼	* MISSED APPROACH: Straight ahead to INS TACAN, intercept INS R-outbound, cross 17 DME at or above 9500, then direkt KSV TACAN	114
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NELLIS CON -	CREECH AFB TOWER 118.30 660.60	GND CON -
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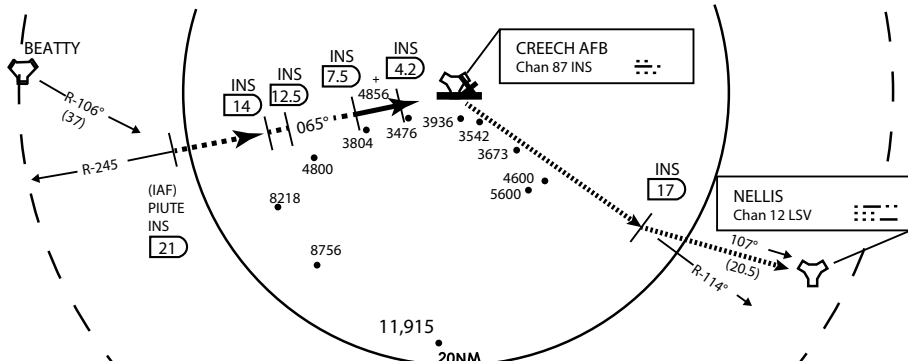
NOT FOR CIVIL USE

FOR USE UNDER BASIC VFR
WEATHER MINIMUMS ONLY

PILOT IS RESPONSIBLE
FOR TERRAIN/OBSTACLE
AVOIDANCE AND
APPROPRIATE VFR CLOUD
CLEARANCE FOR ALL

CAUTION: Descent gradients
are greater than allowed under standard
TERPS criteria and inbound course
does not meet straight-in criteria

CAUTION: Final approach course crosses
Runway centerline at MIDFIELD. Maneuvering
left of course required prior to landing. Do not
Maneuver farther north than the INS R- 258



* CAUTION: Missed Approach Climb Rate to 4,700

Knots	60	120	180	240	300
V/V (fpm)	230	460	690	920	1150

Controlling Obstacle

HIGH ALTITUDE FACILITIES

EMERG SAFE ALT 100 NM 14,000

					ELEV 3129
CATEGORY	A	B	C	D	E
S-8	3760-1 ½	627 (700-1 ½)	3760-1¾ 627 (700-1¾)	3760-2 627 (700-2)	3760-2¼ 627 (700-2¼)
CIRCLING	NOT AUTHORIZED				
					MIRL Rwy 8-26

CITY OF INDIAN, NEVADA

INDIAN SPRINGS AF AUX (KINS)

(FOR DAY VFR USE ONLY)

Modified by vJaBoG 66 for use with DCS

NOT FOR REAL LIFE NAVIGATION



