

Flight Procedures Cover Page	Task Action: Amendment	Task Type: DVA	Estimated Chart Date: 02/20/2025	APWS Task ID: 74E5954406FF4042903CBBB797E9E85F	APWS Project ID: 407FCED1AE03473CABB5F13D60F67CA4
Procedure: DIVERSE VECTOR AREA (DVA)- SAN CARLOS, CA AMDT 1		Enroute: NO	Specialist: Smith, Bryant		Agreement Number:
Airport ID: KSQL			Airport City: SAN CARLOS		State: CA
Facility ID:	Facility Type:	Flight Inspection Remark Type:			

Procedure Comments:  
PROCEDURE COMMENTS:

CONTACT: JOHN BORDY A33 MANAGER, 405-954-0980



# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

## SAN CARLOS, CA

### SAN CARLOS (SQL)

#### TAKEOFF MINIMUMS AND (OBSTACLE) DEPARTURE PROCEDURES

AMDT 2 10AUG23 (23222) (FAA)

#### TAKEOFF MINIMUMS:

**Rwy 12**, 300-1¾ or std w/min climb of 240'/NM to 300.

**Rwy 30**, 300-1¾ or std w/min climb of 290'/NM to 400.

#### DEPARTURE PROCEDURE:

**Rwy 12**, climb on heading 123° to 500, then climbing left turn direct SJC VOR/DME before proceeding on course.

**Rwy 30**, climb on heading 303° to 600, then climbing right turn direct SJC VOR/DME before proceeding on course.

#### TAKEOFF OBSTACLE NOTES:

**Rwy 12**, pole 9' from DER, 267' right of centerline, 25' MSL.

Tree, pole, building beginning 9' from DER, 266' right of centerline, up to 51' AGL/57' MSL.

Dam, terrain, light poles beginning 109' from DER, 58' left of centerline, up to 3' AGL/12' MSL.

Building, pole beginning 295' from DER, 266' right of centerline, up to 59' MSL.

Buildings, poles, electrical system, tree, sign beginning 472' from DER, 267' right of centerline, up to 61' MSL.

Transmission line 1669' from DER, 734' right of centerline, 92' AGL/94' MSL.

Poles, tree beginning 2409' from DER, 735' right of centerline, up to 106' MSL.

Transmission line 1.1 NM from DER, 2196' left of centerline, 200' AGL/208' MSL.

**Rwy 30**, pole 15' from DER, 286' right of centerline, 20' AGL/25' MSL.

Wind indicator, vehicle on road, sign beginning 18' from DER, 250' right of centerline, up to 26' MSL.

Poles, tree beginning 46' from DER, 283' left of centerline, up to 36' MSL.

Pole 79' from DER, 511' right of centerline, 36' MSL.

Electrical system, pole, vehicle on road, building, tree beginning 89' from DER, on centerline, up to 41' AGL/46' MSL.

Tree, building beginning 169' from DER, 392' left of centerline, up to 43' MSL.

Vehicle on road, pole, tree beginning 229' from DER, 10' left of centerline, up to 52' MSL.

Tree, light poles, pole beginning 852' from DER, 243' right of centerline, up to 48' MSL.

Electrical system, pole, tree, sign beginning 902' from DER, 346' left of centerline, up to 93' MSL.

Tree, pole beginning 1178' from DER, 347' right of centerline, up to 54' MSL.

Building, tree beginning 1342' from DER, 497' right of centerline, up to 76' MSL.

Poles, tower beginning 1891' from DER, 736' left of centerline, up to 112' MSL.

Tree, buildings beginning 2126' from DER, 809' right of centerline, up to 89' MSL.

Buildings, trees beginning 2454' from DER, 508' right of centerline, up to 102' MSL.

Buildings, trees beginning 2990' from DER, 514' right of centerline, up to 109' MSL.

Electrical system 3393' from DER, 737' left of centerline, 117' MSL.

Buildings beginning 3562' from DER, 363' right of centerline, up to 113' MSL.

Pole 15' from DER, 286' right of centerline, 20' AGL/25' MSL.

Wind indicator, vehicle on road, sign beginning 18' from DER, 250' right of centerline, up to 26' MSL.

Pole, tree beginning 46' from DER, 283' left of centerline, up to 36' MSL.

Pole 79' from DER, 511' right of centerline, 36' MSL.

Electrical system, pole, vehicle on road, building, tree beginning 89' from DER, on centerline, up to 41' AGL/46' MSL.

Tree, building beginning 169' from DER, 392' left of centerline, up to 43' MSL.

Vehicle on road, pole, tree beginning 229' from DER, 10' left of centerline, up to 52' MSL.

Tree, light poles, pole beginning 852' from DER, 243' right of centerline, up to 48' MSL.

Electrical system, pole, tree, sign beginning 902' from DER, 346' left of centerline, up to 93' MSL.

Tree, pole beginning 1178' from DER, 347' right of centerline, up to 54' MSL.

Building, tree beginning 1342' from DER, 497' right of centerline, up to 76' MSL.

Poles, tower beginning 1891' from DER, 736' left of centerline, up to 112' MSL.

Tree, buildings beginning 2126' from DER, 809' right of centerline, up to 89' MSL.

Buildings, trees beginning 2454' from DER, 508' right of centerline, up to 102' MSL.

Buildings, trees beginning 2990' from DER, 514' right of centerline, up to 109' MSL.

Electrical system 3393' from DER, 737' left of centerline, 117' MSL.

Buildings beginning 3562' from DER, 363' right of centerline, up to 113' MSL.

Building, pole beginning 1 NM from DER, 1523' right of centerline, up to 178' MSL.

Building 1 NM from DER, 1557' right of centerline, 211' AGL/217' MSL.

Building 1 NM from DER, 1332' right of centerline, 228' AGL/234' MSL.

Buildings beginning 1 NM from DER, 1001' right of centerline, up to 237' AGL/242' MSL.

#### DIVERSE VECTOR AREA (RADAR VECTORS)

ORIG 26MAY16 (16147) (FAA)

**Rwy 12**, headings as assigned by ATC; requires minimum climb of 470' per NM to 3400.

13 JUN 2024 to 11 JUL 2024

13 JUN 2024 to 11 JUL 2024

# TAKEOFF MINIMUMS, (OBSTACLE) DEPARTURE PROCEDURES, AND DIVERSE VECTOR AREA (RADAR VECTORS)

24025

PLEASE RETAIN WITH PACKAGE

SAN CARLOS (KSQL) AMDT 1

Original procedure contained DVA for only RWY 12 out to 10 NM. Original request from ATC was made to avoid disrupting aircraft to KSFO, KOAK and KSJC and thus limited usable headings. Amendment was requested by ATC to create and evaluate a DVA for RWY 30 for authorized headings 300 clockwise to 120 within 15 NM per the FPT. The DVA for RWY 12 remained as published for authorized headings 303 clockwise to 163 within 10 NM with no changes to the required climb gradient/climb gradient termination altitude per ATC.

Results:

RWY 12, 303 CW 163 within 10 NM of the DRP, requires minimum climb of 470 ft/NM to 3400 FT.  
CONTROLLING OBSTACLE: 2519 FT MSL TERRAIN + AAO AT 372355.42N/1221731.25W (CLIMB GRADIENT AND CLIMB-TO ALTITUDE).

RWY 30, 300 CW 120 within 15 NM of the DRP, requires minimum climb of 288 ft/NM to 2100 FT.  
CONTROLLING OBSTACLES: 242 FT MSL BUILDING (06-028456) 373149.71N/1221551.48W (CLIMB GRADIENT), 2844 FT MSL TERRAIN + AAO AT 371833.00N/1220754.00W (CLIMB-TO ALTITUDE).

Remarks:

FOR ATC AWARENESS: AIRCRAFT CLIMBING AT 470 FT PER NM TO 3400 WILL NOT REACH THE 4000 FT MVA AT THE END OF THE DVA FOR RWY 12. AIRCRAFT CLIMBING AT 288 FEET PER NM TO 2100 WILL NOT REACH THE 4400 FT MVA AT THE END OF THE DVA FOR RWY 30.

MVA information received from ATC referencing 360 degrees of headings departing KSQL based on distance:

RWY 12/30

Within 10 NM: MVA 4,000'

Within 15 NM: MVA 4,400'

Within 25 NM: MVA 5,600'

Updated TARGETS evaluation for amendment 1 identified a new controlling obstacle that drove a slightly reduced required climb gradient of 460ft/NM to 3300 ft for the RWY 12 DVA AMDT 1. The controlling obstacle for the RWY 12 DVA from the original procedure was documented in order to keep the RWY 12 DVA as published (470ft/NM to 3400 ft) per ATC request.

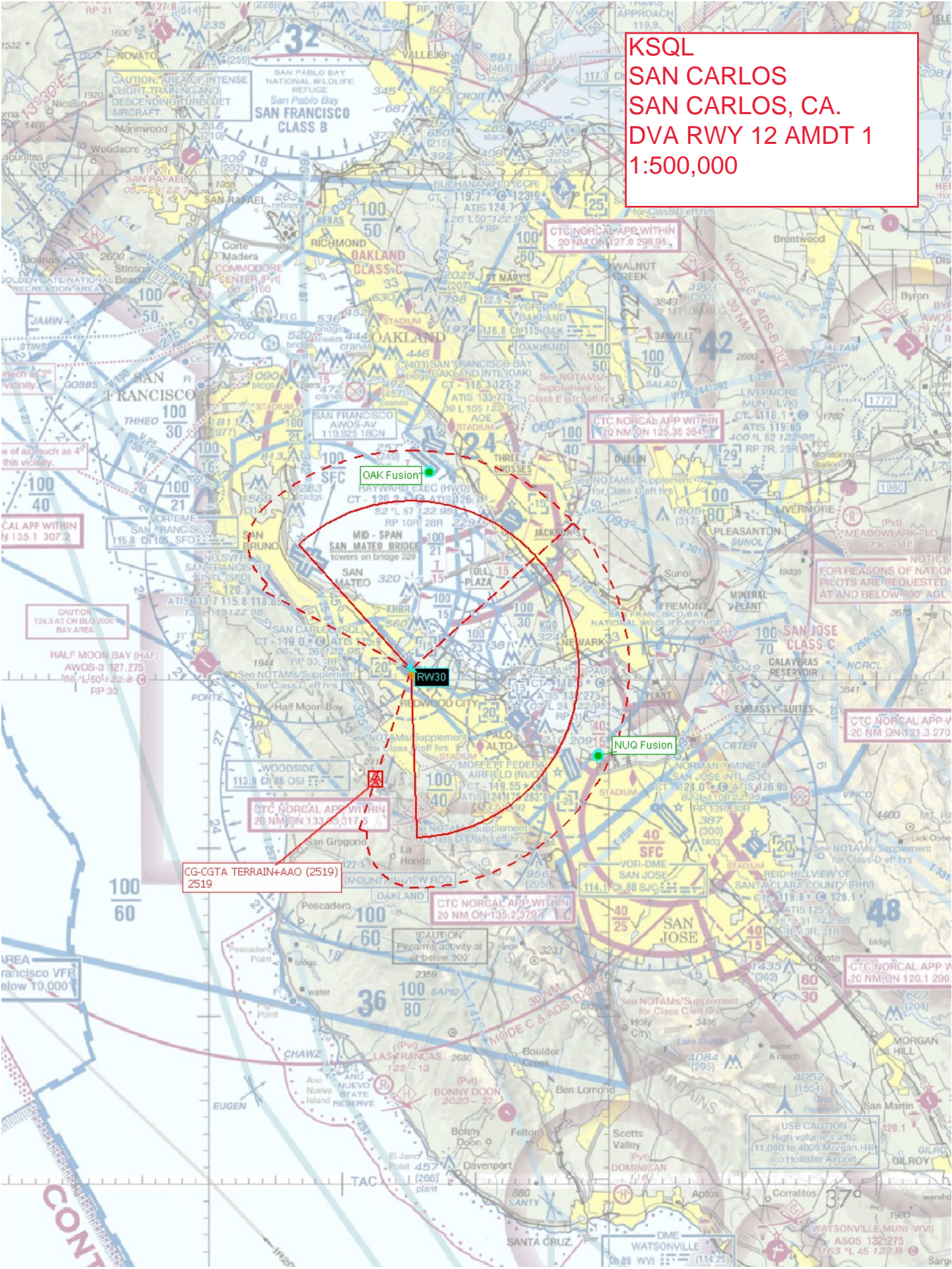
RADAR Facility and MAG VAR Information:

Procedure predicated on FUSION using OAK ASR-9 at 374222.1145N/1221331.1819W (Primary) and/or FUSION using NUQ ASR-9 at 372528.2800N/1220053.3600W (Alternate). MAGNETIC COURSES BASED ON AIRPORT MAG VAR 15E: EPOCH YR 2000.

Contact Information:

Facility Manager, Francine Malabo, (916) 366-4001, [Francine.Malabo@faa.gov](mailto:Francine.Malabo@faa.gov); Operations Support Manager, Dan Stender, (916) 366-4057, [daniel.j.stender@faa.gov](mailto:daniel.j.stender@faa.gov).

**KSQL**  
**SAN CARLOS**  
**SAN CARLOS, CA.**  
**DVA RWY 12 AMDT 1**  
**1:500,000**



OAK Fusion

NUQ Fusion

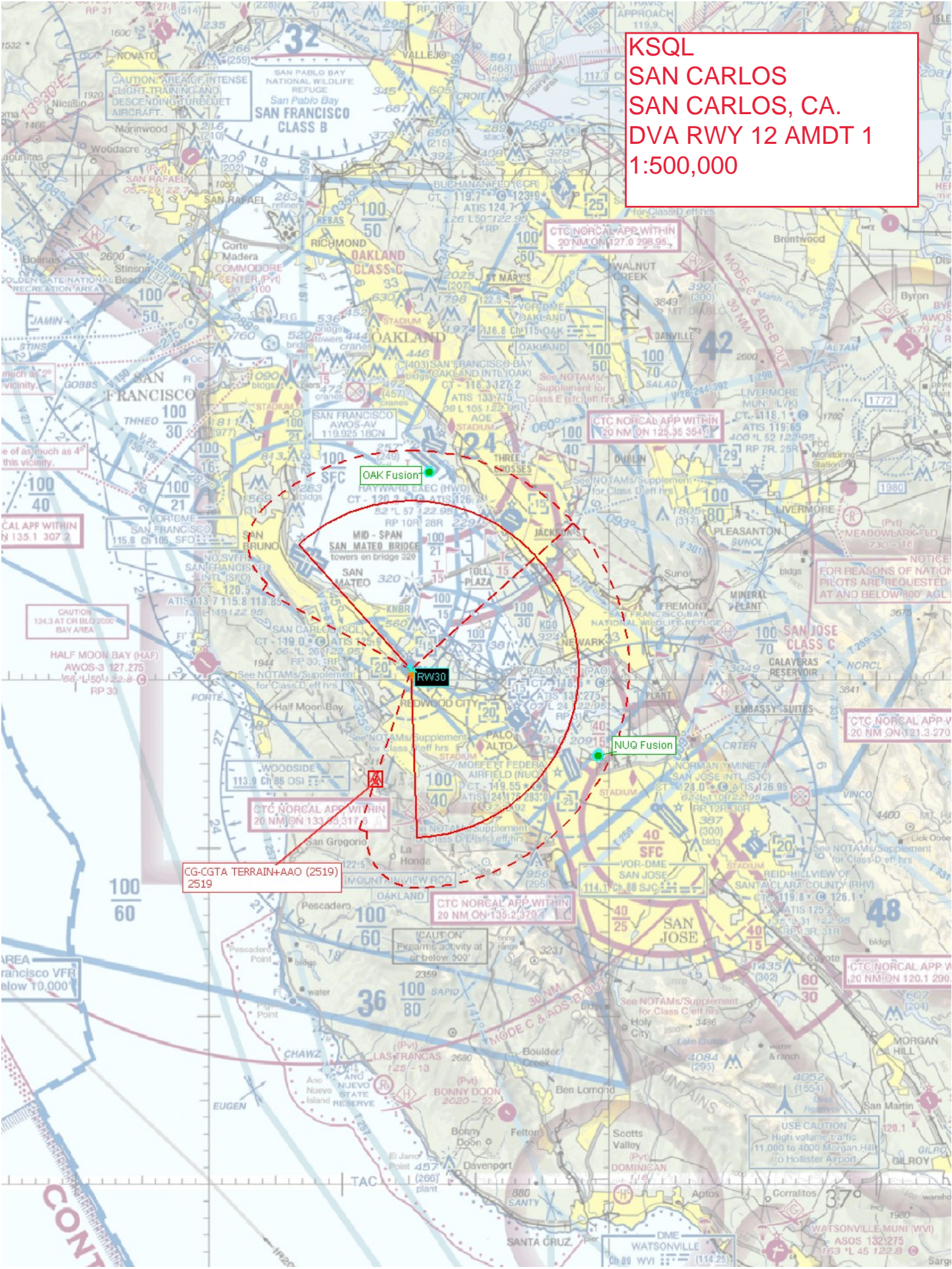
CG-CGTA TERRAIN+AAO (2519)  
2519

CTC NORCAL APP WITHIN  
20 NM ON 135.23793

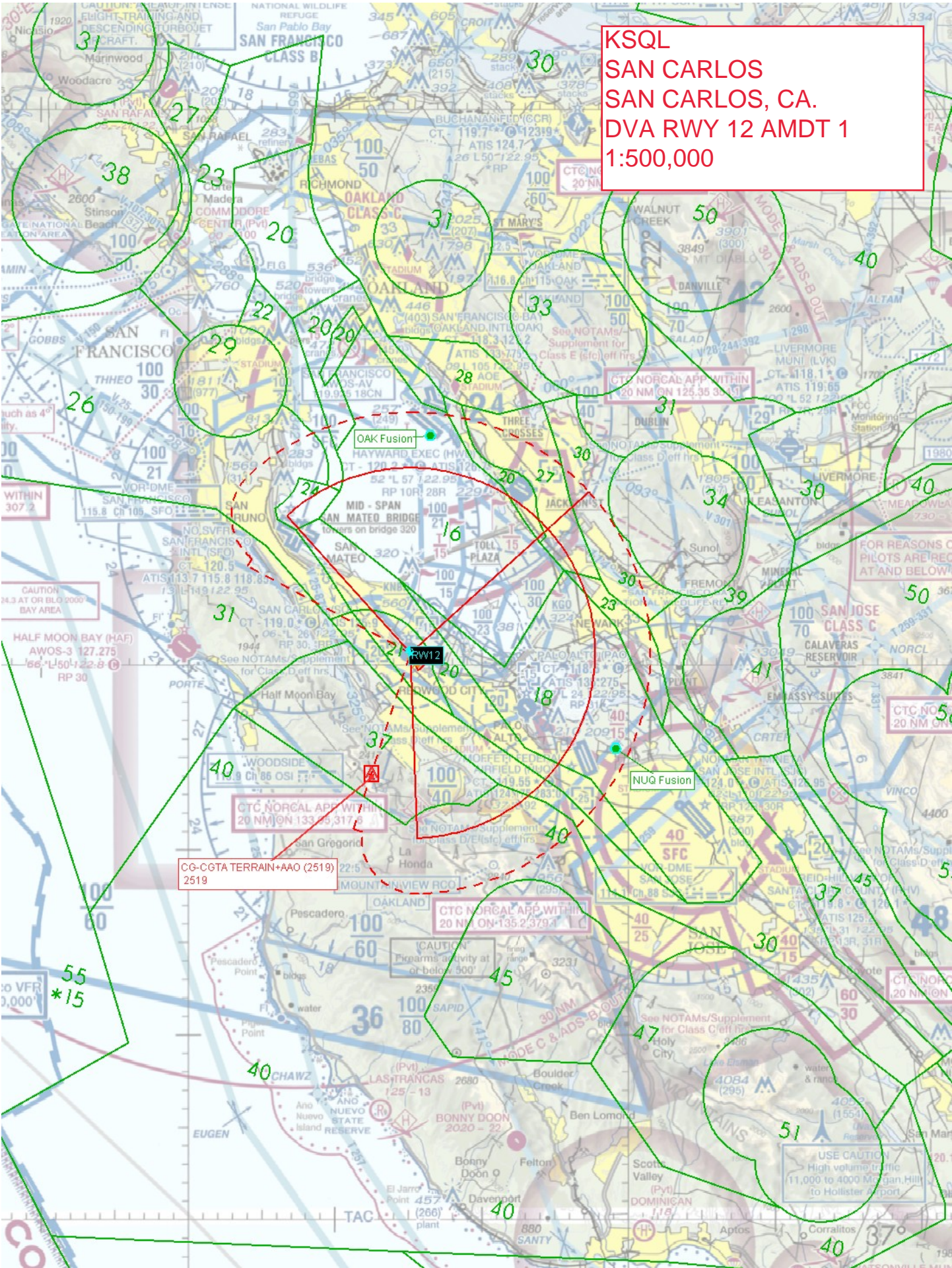
CTC NORCAL APP-V  
20 NM ON 121.3270

CTC NORCAL APP W  
20 NM ON 120.1290

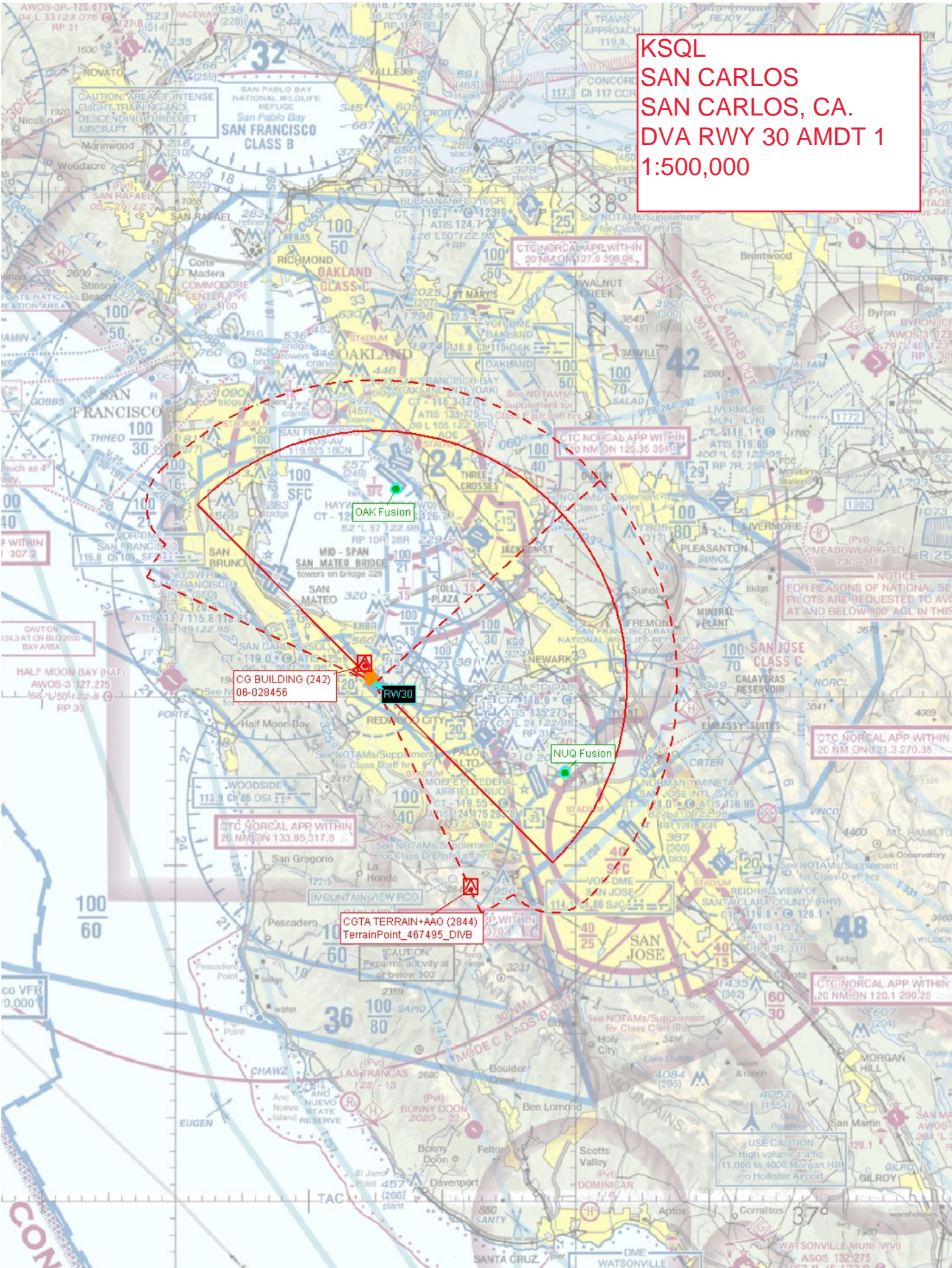
USE CAUTION  
High volume traffic  
11,000 to 4000 Morgan Hill  
to Hollister Airport



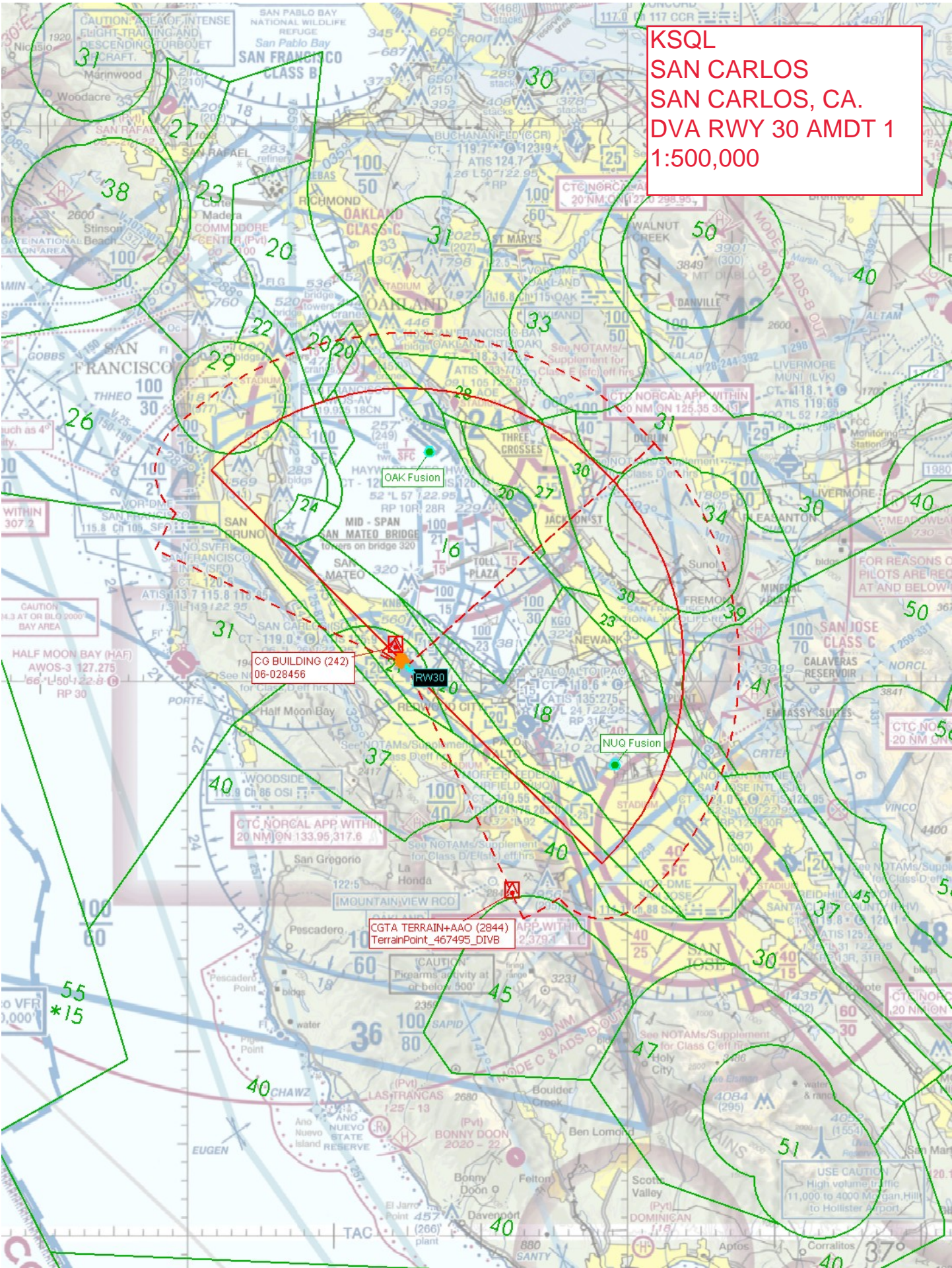
**KSQL**  
**SAN CARLOS**  
**SAN CARLOS, CA.**  
**DVA RWY 12 AMDT 1**  
**1:500,000**



**KSQL**  
**SAN CARLOS**  
**SAN CARLOS, CA.**  
**DVA RWY 30 AMDT 1**  
**1:500,000**



**KSQL**  
**SAN CARLOS**  
**SAN CARLOS, CA.**  
**DVA RWY 30 AMDT 1**  
**1:500,000**



CG BUILDING (242)  
06-028456

RWY30

NUQ Fusion

CTC NORCAL APP WITHIN  
20 NM ON 133.95, 317.6

CGTA TERRAIN+AAO (2844)  
TerrainPoint\_467495\_DIVB

USE CAUTION  
High volume traffic  
11,000 to 4000 Morgan Hill  
to Hollister Airport