

LOS ANGELES TAC
 VFR TERMINAL AREA CHART SCALE 1:250,000



Federal Aviation Administration

62ND EDITION EFFECTIVE 0901Z **16 DEC 2010**
 TO 0901Z **30 JUN 2011**

Includes airspace amendments effective **18 NOV 2010**
 and all other aeronautical data received by **21 OCT 2010**

CTC SO
 20-NM

Comparison to Edition 61

- ○ deleted
- ○ added
- ○ rearranged (on same panel)

HOLLYWOOD PARK ROUTE
 See inset for requirements

BELOW 4500 FT 121.95
 BELOW 1000 FT 129.0

EMMY & EVA
 OIL PLATFORMS

100
 80

100
 70



VFR FLYWAY VFR TERMINAL AREA CHART LOS ANGELES

Airports having **Control Towers** are shown in **Blue**, all others in **Magenta**. Consult Airport/Facility Directory (AFD) for details involving airport lighting, navigation aids, and services. For additional symbol information refer to the Chart User's Guide.

AIRPORTS

- Other than hard-surfaced runways
- Hard-surfaced runways 1500 ft. or greater
- Open dot within hard-surfaced runway configuration indicates approximate VOR, VOR-DME, or VORTAC location.

AIRPORT DATA

Box indicates FAR 93 Special Air Traffic Rules & Airport Traffic Patterns. Runways with Right Traffic Patterns (public use) RP * Special conditions exist - see AFD.

FSS - Flight Service Station NO SVFR - Fixed-wing special VFR flight is prohibited. CT - 118.3 - Control Tower (CT) - primary frequency * - Star indicates operation part-time. See tower frequencies tabulation for hours of operation. **ATIS 123.8** - Automatic Terminal Information Service ASOS/AWOS 135.42 - Automated Surface Weather Observing Systems (shown where full-time ATIS not available). Some ASOS/AWOS facilities may not be located at airports. UNICOM - Aeronautical advisory station VFR Advty - VFR Advisory Service shown where full-time ATIS not available and frequency is other than primary CT frequency. **285** - Elevation in feet

ADDITIONAL AIRPORT INFORMATION

- Private "Pvt" - Non-public use having emergency or landmark value
- Military - Other than hard-surfaced; all military airports are identified by abbreviations AFB, NAS, AAF, etc. DoD users, for complete airport information consult DoD FLIP.
- Helipad Selected
- Unverified
- Abandoned - paved having landmark value, 3000 ft. or greater
- Ultralight Flight Park Selected

Services - fuel available and field tended during normal working hours depicted by use of ticks around basic airport symbol. (Normal working hours are Mon thru Fri 10:00 A.M. to 4:00 P.M. local time.) Consult AFD for service availability at airports with hard-surfaced runways 1500 ft. or greater.

★ Rotating airport beacon in operation Sunset to Sunrise

AIRPORT TRAFFIC SERVICE AND AIRSPACE INFORMATION

Only the controlled and reserved airspace effective below 18,000 ft. MSL are shown on this chart. All times are local.

- Class B Airspace
- Class C Airspace (Mode C - see FAR 91.215/AIM.)
- Class D Airspace
- Class E (fnc) Airspace
- Class E Airspace with floor 700 ft. above surface
- Class E Airspace with floor 1200 ft. or greater above surface that abuts Class G Airspace

2400 MSL Differentiate floors of Class E Airspace greater than 700 ft. above surface. 4500 MSL

Class E Airspace exists at 1200' AGL unless otherwise designated as shown above.

Class E Airspace low altitude Federal Airways are indicated by center line. Intersection - Arrows are directed towards facilities which establish intersection.

732° V 69 Total mileage between NAVAIDs on direct Airways between NAVAIDs on direct Airways

Class E Airspace low altitude RNAV Routes are indicated by center line.

TK 313 Helicopter only RNAV Waypoint

Prohibited, Restricted, and Warning Areas; Canadian Advisory, Danger, and Restricted Areas; Alert Area and MOA - Military Operations Area (See FAR 93 for details.); Special Airport Traffic Area (See FAR 93 for details.); ADIZ - Air Defense Identification Zone; MODE C (See FAR 91.215/AIM.); National Security Area; Terminal Radar Service Area (TRSA); MTR - Military Training Route; IFR Departure Route; IFR Arrival Route

COMMUNICATION BOXES

122.1R 122.8 123.8 122.1R

OAKDALE OAK CHICAGO CHI

Underline indicates no voice on frequency. Crosshatch indicates shutdown status. * - Operates less than continuous or On-Request. **ASOS/AWOS** **HIWAS** **TWEB** FSS radio providing voice communication

Heavy line box indicates Flight Service Station (FSS). Frequencies 121.5, 122.2, 243.0 and 255.4 (Canada - 121.5, 126.7 and 243.0) are available at many FSSs and are not shown above boxes. All other frequencies are shown. Certain FSSs provide Airport Advisory Service, see AFD. **R** - Receive only

Frequencies above thin line box are removed to NAVDAG sites. Other FSS frequencies providing voice communication may be available as determined by altitude and terrain. Consult Airport/Facility Directory for complete information.

RADIO AIDS TO NAVIGATION

- VHF OMNI RANGE (VOR)
- VORTAC
- VOR-DME
- Other facilities, i.e., FSS Outlet, RCO, etc.
- Non-Directional Radiobeacon (NDB)
- NDB - DME

OBSTRUCTIONS

1000 ft. and higher AGL. below 1000 ft. AGL

Group Obstruction or Obstruction with high-intensity lights may operate part-time

2049 - Elevation of the top above mean sea level (1149) - Height above ground UC - Under construction or reported position unverified

TOPOGRAPHIC INFORMATION

- Roads & Road Markers
- Railroad
- Power Transmission Line
- Aerial Cable
- Landmark Feature - stadium, factory, school, golf course, etc.
- Outdoor Theater
- Lookout Tower
- Coast Guard Station
- Race Track
- Tank - water, oil or gas
- Oil Well
- Mine or Quarry
- Mountain Pass
- Perennial Lake
- Non-Perennial Lake
- Dams
- Bridges and Viaducts

Pass symbol does not indicate a recommended route or direction of flight and pass elevation does not indicate a recommended clearance altitude. Hazardous flight conditions may exist within and near mountain passes.

MISCELLANEOUS

- Isogonic Line (DO5 VALUE)
- Ultralight Activity
- Hang Glider
- Glider Operations
- Unmanned Aircraft Activity
- Parachute Jumping Area (See Airport/Facility Directory.)
- Marine Light
- VFPXYZ VFR Waypoints (See Airport/Facility Directory for latitude/longitude.)

Edition 62

Added symbol for unmanned aircraft activities.

Added Class E airspace low altitude rnav routes for helicopters.

Deleted name from RNAV waypoint symbol.

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LOS ANGELES TAC
VFR TERMINAL AREA CHART SCALE 1:250,000



Federal Aviation
Administration

62ND EDITION EFFECTIVE 0901Z 16 DEC 2010
TO 0901Z 30 JUN 2011

Includes airspace amendments effective **18 NOV 2010**
and all other aeronautical data received by **21 OCT 2010**

Information on this chart will change; consolidated updates of chart changes are available every 56 days in the AIRPORT/FACILITY DIRECTORY Chart Bulletin section (online at <http://aeronav.faa.gov>). Also consult appropriate NOTICES TO AIRMEN (NOTAMs) and other FLIGHT INFORMATION PUBLICATIONS (FLIPs) for the latest changes.



PUBLISHED IN ACCORDANCE WITH INTERAGENCY AIR CARTOGRAPHIC COMMITTEE SPECIFICATIONS AND AGREEMENTS, APPROVED BY: DEPARTMENT OF DEFENSE * FEDERAL AVIATION ADMINISTRATION

Warning: Refer to current foreign charts and flight information publications for information within foreign airspace.

FAA Product ID: TLA



NSN 7641014099803

NGA REF. NO. VVRTALOSANGELES



EFF. DATE 10350

Edition 62

Edition 61

New format
for revision
Panel.

Added US
map to
reference the
other TAC
charts.

VFR TERMINAL AREA CHART
LOS ANGELES
SCALE 1:250,000

Horizontal Datum: North American Datum of 1983 (World Geodetic System 1984)

61ST EDITION EFFECTIVE 0901Z 1 JUL 2010
TO 0901Z 16 DEC 2010

Includes airspace amendments effective **3 JUN 2010**
and all other aeronautical data received by **6 MAY 2010**

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LOS ANGELES
CLASS B AIRSPACE

See back of this chart for procedural information within the Los Angeles Class B Airspace

EXAMPLES OF CLASS B ALTITUDES

70 --- Ceiling in hundreds of feet MSL
30 --- Floor in hundreds of feet MSL

MILITARY TRAINING ROUTES (MTRs)

All IR and VR MTRs are shown, and may extend from the surface upwards. Only the route centerline, direction of flight along the route and the route designator are depicted - route widths and altitudes are not shown.

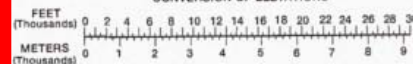
Since these routes are subject to change every 56 days, and the charts are reissued every 6 months, you are cautioned and advised to contact the nearest FSS for route dimensions and current status for those routes affecting your flight. Routes with a change in the alignment of the charted route centerline will be indicated in the Aeronautical Chart Bulletin of the Airport/Facility Directory.

DoD users refer to Area Planning AP/1B Military Training Routes North and South America for current routes.

Class G Airspace within the United States extends up to 14,500 feet MSL. At and above this altitude all airspace is within Class E Airspace, excluding the airspace less than 1500 feet above the terrain and certain special use airspace areas.

Entire area of this chart is within the Pacific Standard Time Zone +8 (+7DT) = UTC

CONVERSION OF ELEVATIONS



FOR PROCUREMENT CONTACT:

FAA, National Aeronautical Navigation Services
REDIS / Distribution Team
10201 Good Luck Road
Green Dale, MD 20769-9700
Online at <http://aeronav.faa.gov>
Email 9-AMC-Chartsales@faa.gov
Telephone 1-800-638-8972
Fax 301-436-6829
or any authorized FAA Chart Agent

CAUTION: Severe turbulence may occur over rugged terrain. See AIM.

REPORTING CHART ERRORS

You are requested to inform us of chart errors and/or additions that come to your attention while using this chart. Telephone toll free at 1-800-626-3677, or email us at 9-AMC-Aerochart@faa.gov. Frequently asked questions (FAQs) are answered on our website at <http://aeronav.faa.gov>. See the FAQs prior to contact via toll free number or email. Where delineation of data is required such information should be depicted clearly and accurately on a current chart, a replacement copy will be returned. Mail to: FAA, National Aeronautical Navigation Services, SSMC-4, Sta. #3424, 1305 East West Highway, Silver Spring, MD 20910-3281.



Published by the U.S. Department of Transportation
Federal Aviation Administration
National Aeronautical Navigation Services
<http://aeronav.faa.gov>



FAA Product ID: TLA

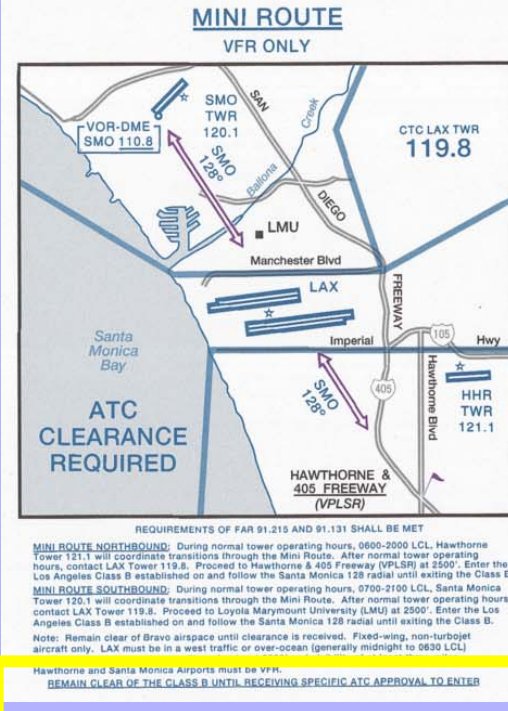
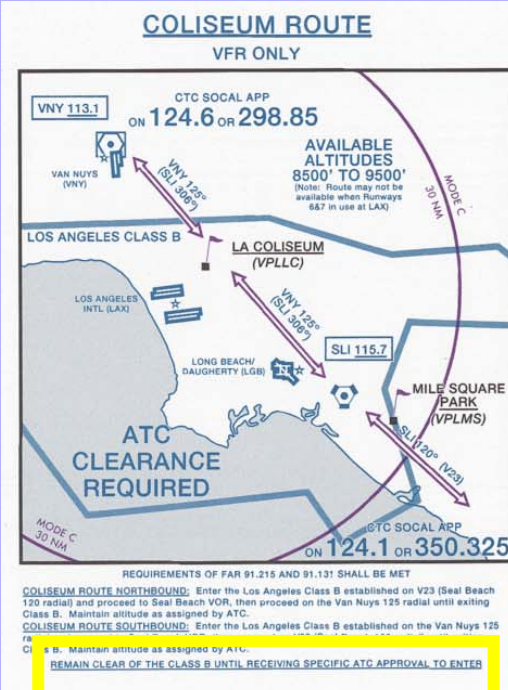
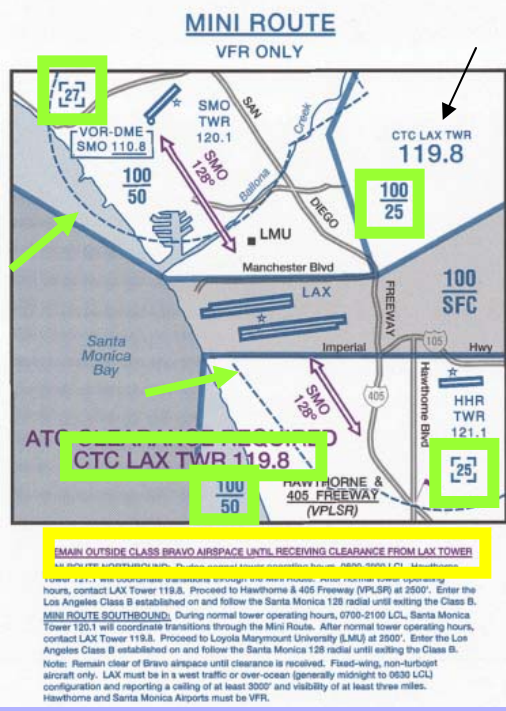
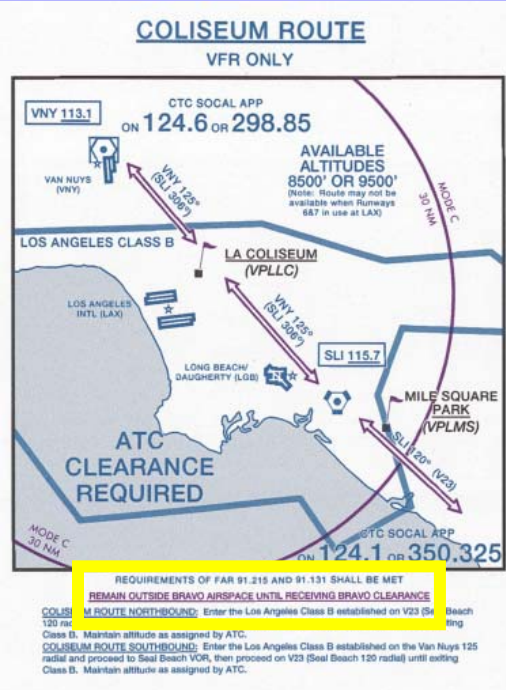


NSN 7641014099803

NGA REF. NO. VVRTALOSANGELES



EFF. DATE 10182



Both graphics:
 Changed a note from "Remain clear of the Class B until receiving specific ATC approval to enter" to "remain outside Bravo airspace until receiving Bravo clearance."
 [note: FAR 91.131 refers to operations in Class B airspace not "Bravo airspace"]

Mini Route graphic: add SMO and HHR Class D tops and boundaries; add floor and top to Class B airspace; add a second reminder for LAX tower frequency. Shading added to clarify Class B boundaries.

HOLLYWOOD PARK ROUTE

VFR ONLY



REMAIN OUTSIDE BRAVO AIRSPACE UNTIL RECEIVING BRAVO CLEARANCE

HOLLYWOOD PARK ROUTE NORTH/SOUTHBOUND: Enter the Los Angeles Class B north/southbound established on and follow the Van Nuys 140 radial until exiting the Class B. Maintain altitude as assigned by ATC.
 Note: If VNY VOR is out of service navigate visually along a line between the Van Nuys airport, Hollywood Park and Queen Mary, or request radar vectors.

COASTAL ROUTE

VFR ONLY

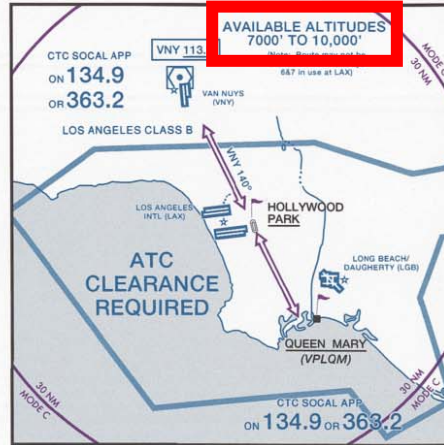


REMAIN OUTSIDE BRAVO AIRSPACE UNTIL RECEIVING BRAVO CLEARANCE

COASTAL ROUTE NORTHBOUND: Enter the Los Angeles Class B northbound abeam the Vincent Thomas Bridge established on the Los Angeles 123 radial. After crossing the Los Angeles VOR, proceed outbound on the Los Angeles 323 radial until exiting the Los Angeles Class B near the Sepulveda Pass. Maintain altitude as assigned by ATC.
 COASTAL ROUTE SOUTHBOUND: Enter the Los Angeles Class B southbound abeam the Sepulveda Pass established on the Los Angeles 323 radial. After crossing the Los Angeles VOR, proceed outbound on the Los Angeles 123 radial until exiting the Los Angeles Class B near the Vincent Thomas Bridge. Maintain altitude as assigned by ATC.
 Note: Aircraft departing Long Beach, Torrance, Hawthorne, or Santa Monica airport, please contact So Cal Tower on 134.9 or 363.2 for clearance.

HOLLYWOOD PARK ROUTE

VFR ONLY



REQUIREMENTS OF FAR 91.215 AND 91.131 SHALL BE MET
 HOLLYWOOD PARK ROUTE NORTH/SOUTHBOUND: Enter the Los Angeles Class B north/southbound established on and follow the Van Nuys 140 radial until exiting the Class B. Maintain altitude as assigned by ATC.
 Note: If VNY VOR is out of service navigate visually along a line between the Van Nuys airport, Hollywood Park and Queen Mary, or request radar vectors.

REMAIN CLEAR OF THE CLASS B UNTIL RECEIVING SPECIFIC ATC APPROVAL TO ENTER

SHORELINE ROUTE

VFR ONLY



REQUIREMENTS OF FAR 91.215 AND 91.131 SHALL BE MET
 SHORELINE ROUTE NORTHBOUND: Enter the Los Angeles Class B northbound abeam the Vincent Thomas Bridge established on the Los Angeles 123 radial. After crossing the Los Angeles VOR, proceed outbound on the Los Angeles 323 radial until exiting the Los Angeles Class B near the Sepulveda Pass. Maintain altitude as assigned by ATC.
 SHORELINE ROUTE SOUTHBOUND: Enter the Los Angeles Class B southbound abeam the Sepulveda Pass established on the Los Angeles 323 radial. After crossing the Los Angeles VOR, proceed outbound on the Los Angeles 123 radial until exiting the Los Angeles Class B near the Vincent Thomas Bridge. Maintain altitude as assigned by ATC.
 Note: Aircraft departing Long Beach, Torrance, Hawthorne, or Santa Monica airport, please contact So Cal Tower on 134.9 or 363.2 for clearance.

REMAIN CLEAR OF THE CLASS B UNTIL RECEIVING SPECIFIC ATC APPROVAL TO ENTER

Both graphics:

Changed a note from "Remain clear of the Class B until receiving specific ATC approval to enter" to "remain outside Bravo airspace until receiving Bravo clearance."

Hollywood Park Route: Altitude changed from available altitudes

7000' to 10,000' to 8500' or 9500'

Shoreline Route name changed to Coastal Route

Flight Following Services are available on request and highly recommended in and around Class B, C, and TRSA areas.

**VFR TRANSITION ROUTE
(ATC CLEARANCE REQUIRED)
ALTITUDE ASSIGNED BY ATC**



REGULATIONS REGARDING FLIGHTS OVER CHARTED NATIONAL PARK SERVICE AREAS, U.S. FISH AND WILDLIFE SERVICE AREAS, AND U.S. FOREST SERVICE AREAS

The landing of aircraft is prohibited on lands or waters administered by the National Park Service, U.S. Fish and Wildlife Service or U.S. Forest Service without authorization from the respective agency. Exceptions include: 1) when forced to land due to an emergency beyond the control of the operator, 2) at officially designated landing sites, or 3) on approved official business of the Federal Government. All aircraft are requested to maintain a minimum altitude of 2,000 feet above the surface of the following: National Parks, Monuments, Seashores, Lakeshores, Recreation Areas and Scenic Riverways administered by the National Park Service; National Wildlife Refuges, Big Game Refuges, Game Ranges and Wildlife Ranges administered by the U.S. Fish and Wildlife Service; and Wilderness and Primitive areas administered by the U.S. Forest Service. FAA Advisory Circular (AC) 91-36, "Visual Flight Rules (VFR) Flight Near Noise-Sensitive Areas," defines the surface as: the highest terrain within 2,000 feet laterally of the route of flight, or the upper-most rim of a canyon or valley. Federal regulations also prohibit airdrops by parachute or other means of persons, cargo, or objects from aircraft on lands administered by the three agencies without authorization from the respective agency. Exceptions include: 1) emergencies involving the safety of human life, or 2) threat of serious property loss.

..... Boundary of National Park Service areas, U.S. Fish and Wildlife Service areas, and U.S. Forest Service Wilderness and Primitive areas.

INTENSIVE FLIGHT TRAINING AREAS

CAUTION
INTENSIVE FLIGHT TRAINING
122.775 BELOW 4500'
SIMI VALLEY

To enhance safety in the vicinity of intensive flight training, frequencies are listed for air-to-air communications with other pilots using or transitioning the area.

NAME	CEILING	FREQ
1 SANTA PAULA	5500	122.775
2 SIMI VALLEY	4500	122.775
4 PALOS VERDES	4500	121.95
5 LONG BEACH	4500	121.95
	AT OR BELOW 2000	123.025
7 LA HABRA	4000	123.3
8 REDLANDS	7500	123.3
9 CAJON PASS	4500	123.3
10 JOHN WAYNE	4500	123.6
12 BLOCKHOUSE	6000	123.

The following guidelines are encouraged when utilizing these areas:

The flight does not require communications with or a clearance from Air Traffic Control.

All flights are to be conducted under visual flight rules and in compliance with FAR 91.155.

Pilots are encouraged to have a current Los Angeles Terminal Area Chart in the aircraft.

Use of anticollision lights, aircraft position/navigation lights and landing lights is recommended.

Use of indicated VFR checkpoints is helpful to provide location information between pilots using these areas.

CAUTION: This chart is primarily designed for VFR navigational purposes and does not purport to indicate the presence of all power transmission and telecommunication lines, terrain or obstacles which may be encountered below reasonable and safe altitudes.

Flight Following Services are available on request and highly recommended in and around Class B, C, and TRSA areas.

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4 PALOS VERDES	4500	121.95
5 LONG BEACH	4500	121.95
6 SANTA FE	4500	123.3
7 LA HABRA	4000	123.3
8 REDLANDS	7500	123.3
9 CAJON PASS	4500	123.3
10 JOHN WAYNE	4500	123.6
12 BLOCKHOUSE	4500	123.6
13 LAKE MARYSUIS	4500	123.6

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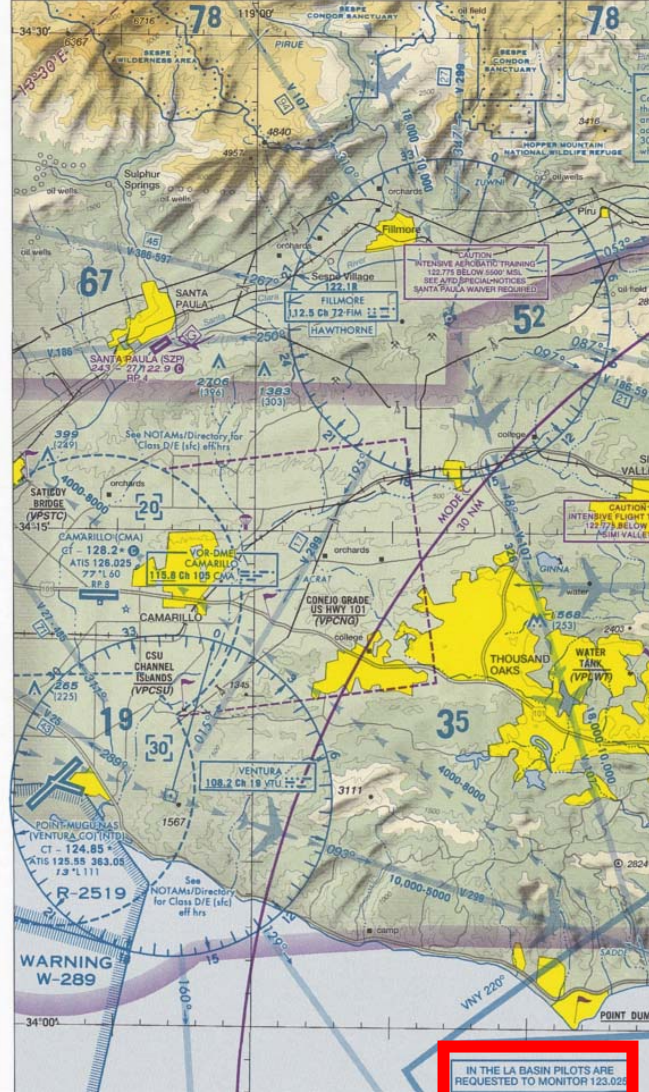
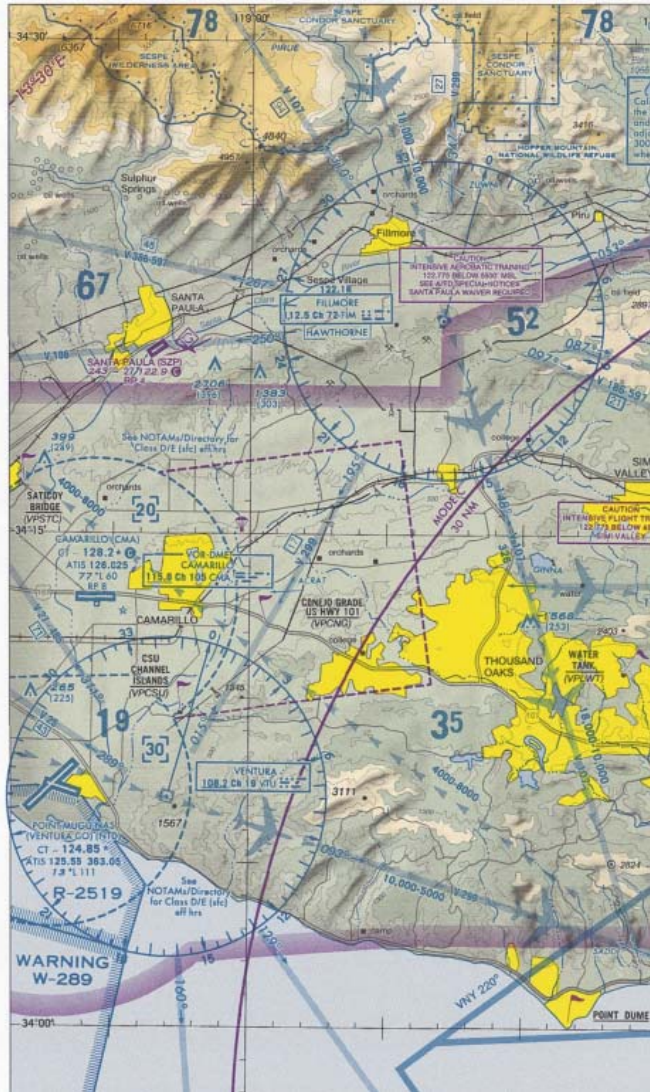
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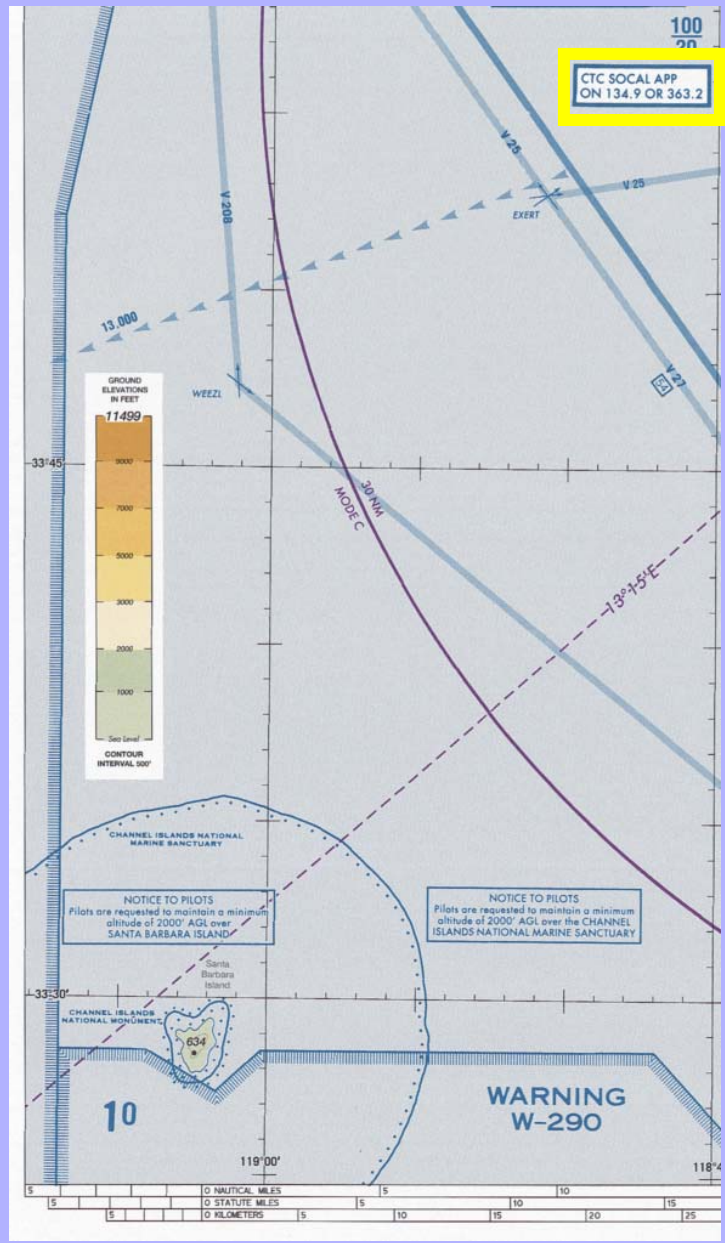
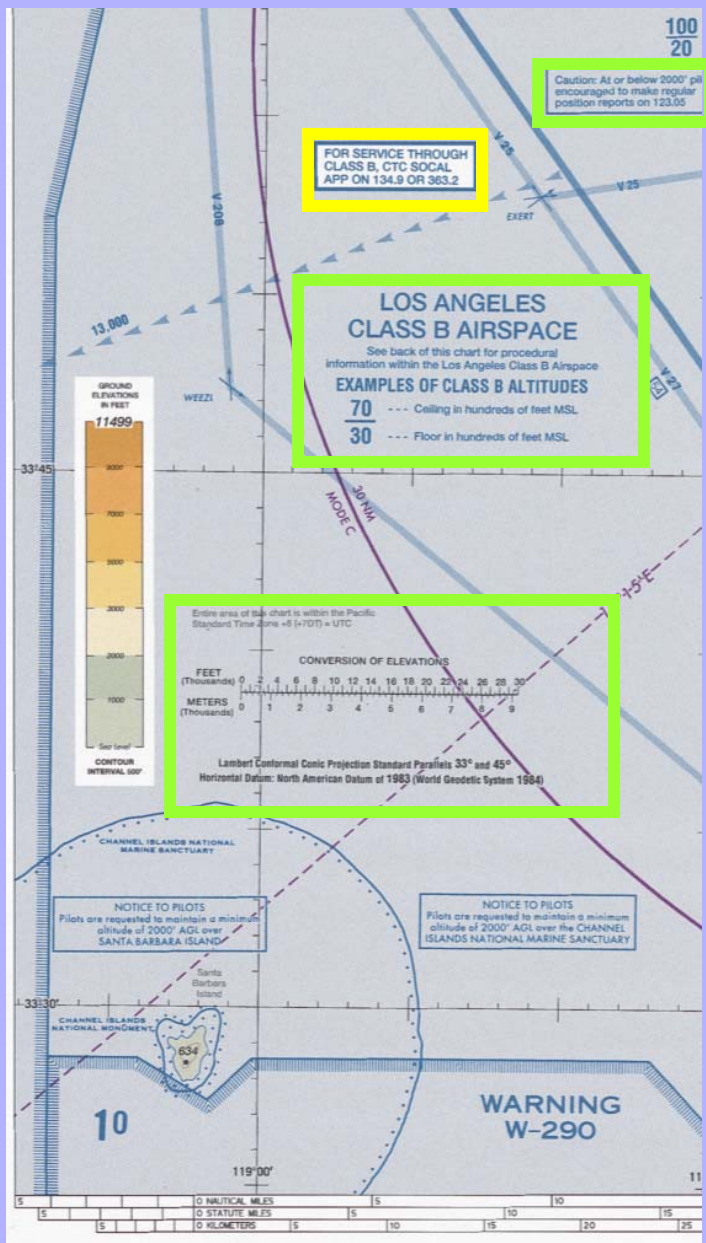
Intensive Flight Training Area: 1) Top of Blockhouse raised from 4,500' to 6000', 2) Frequency below 2000 feet in Palos Verdes and Long Beach practice areas has been changed to 123.025.

Edition 62

Edition 61

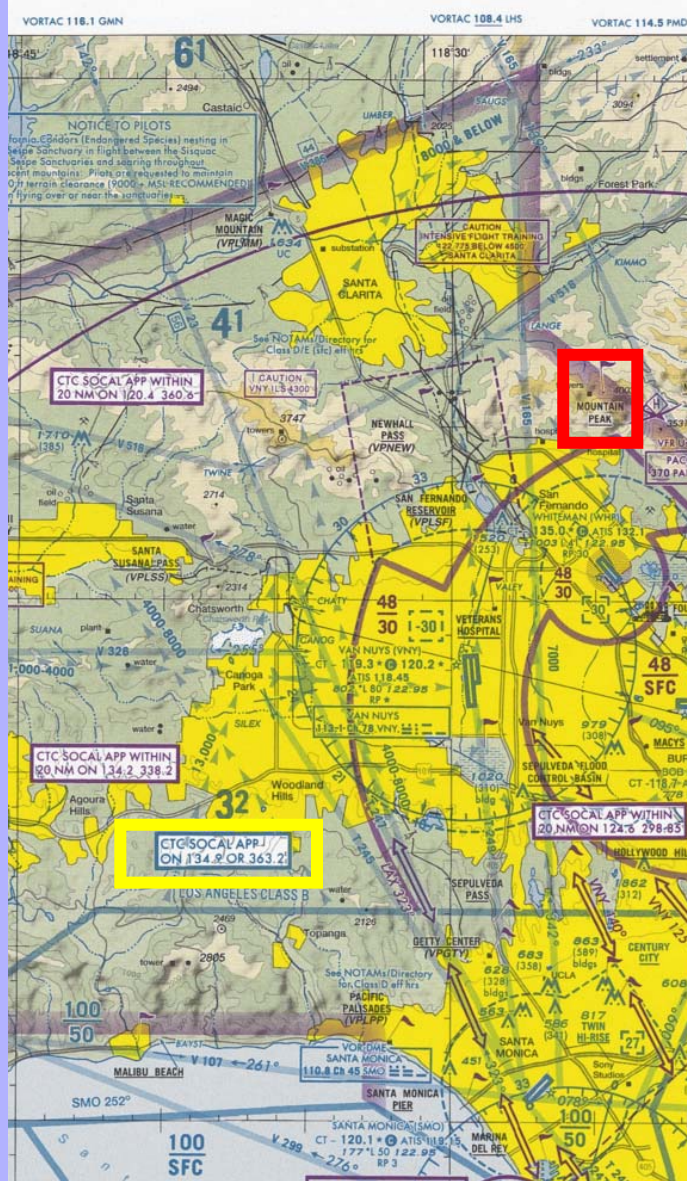
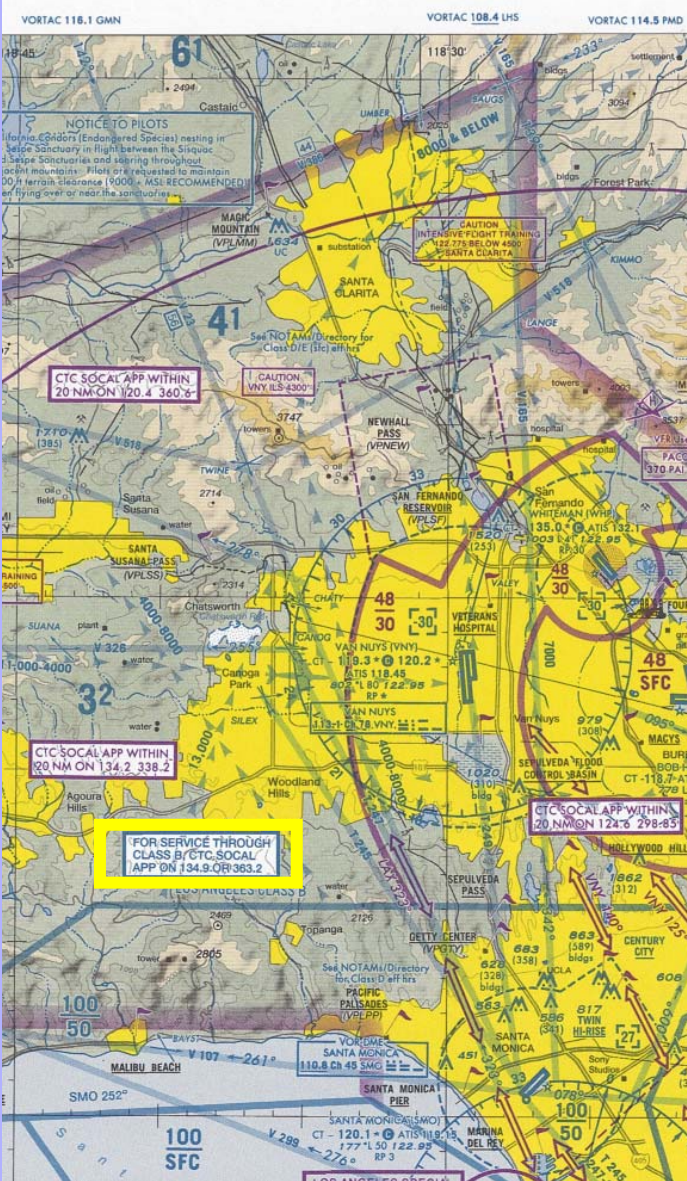


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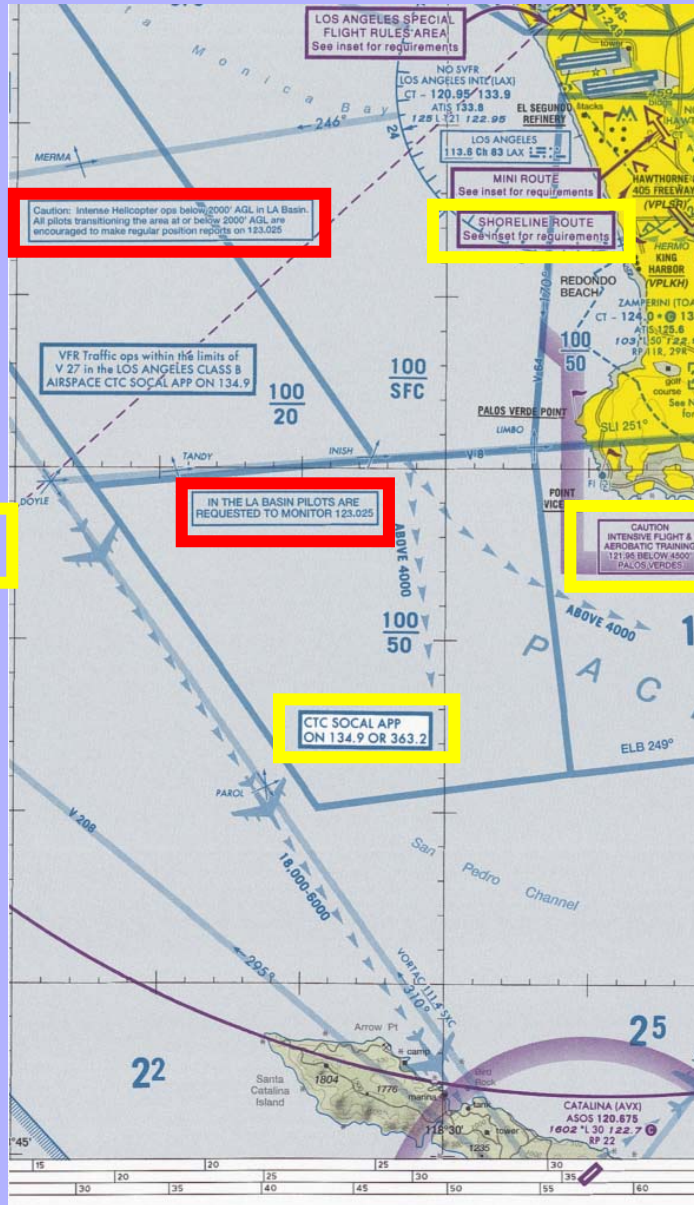
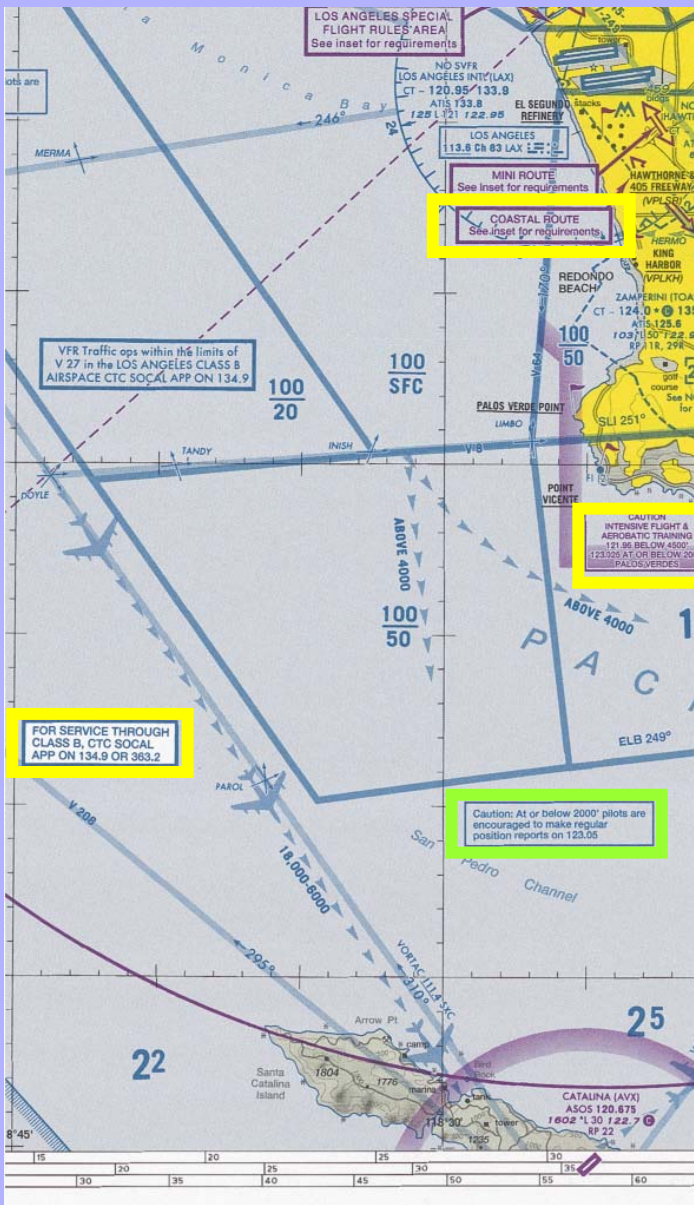
Edition 62

Edition 61



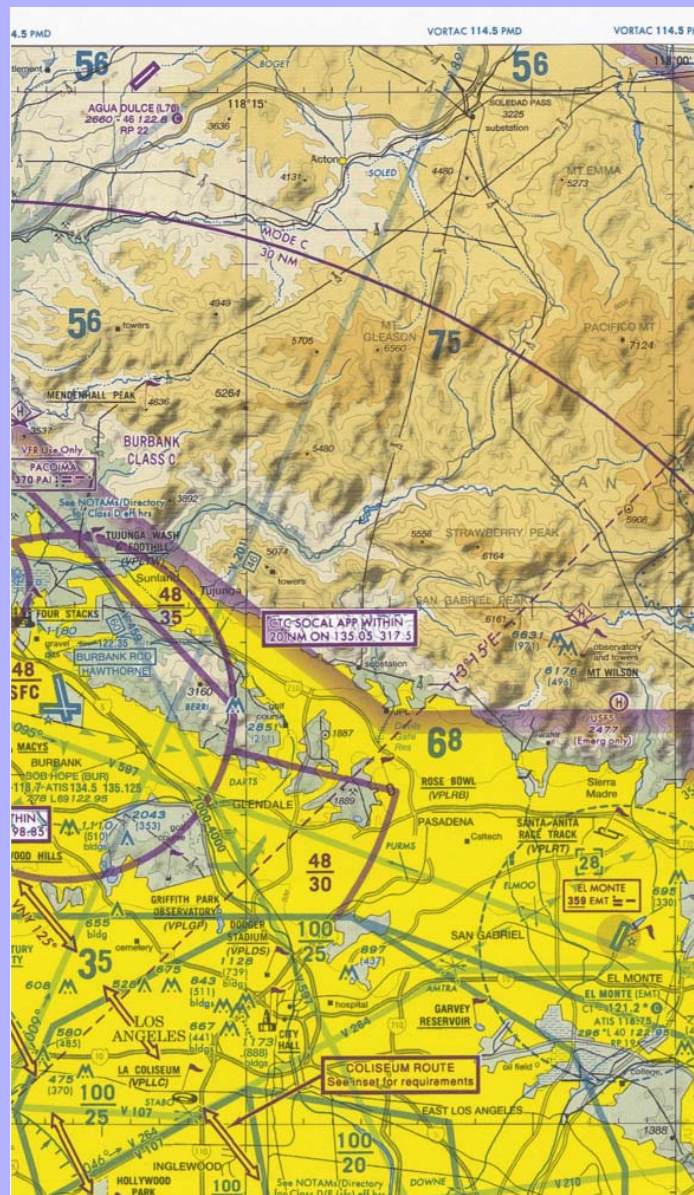
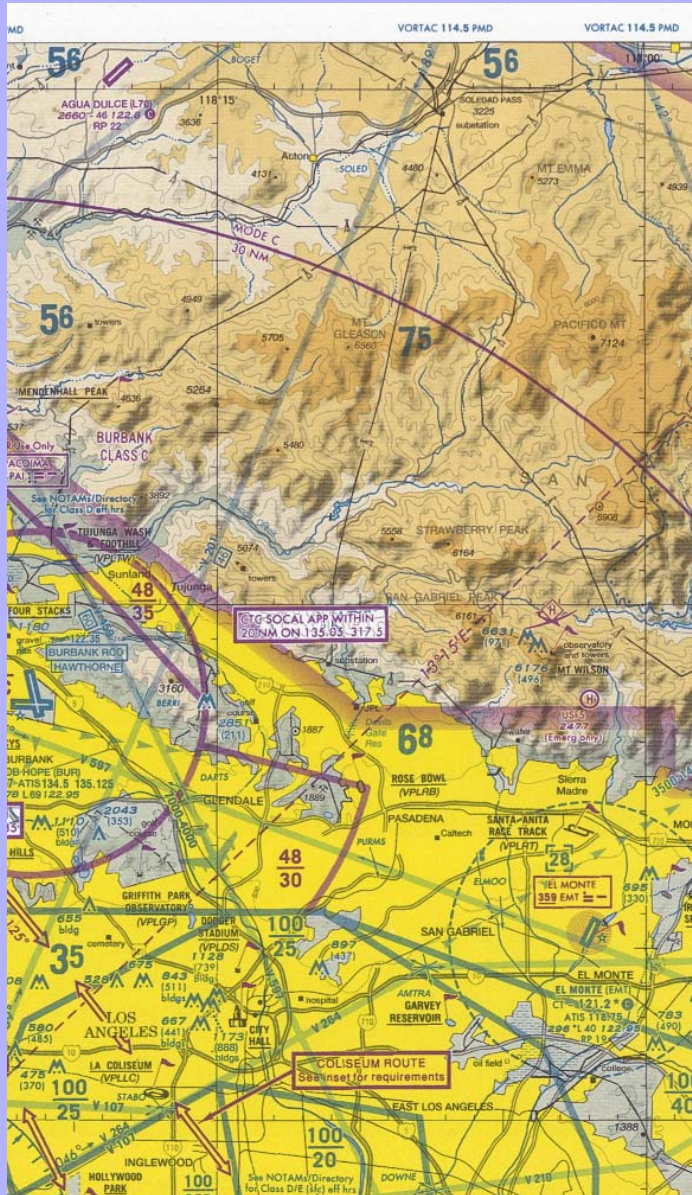
Edition 62

Edition 61



Edition 62

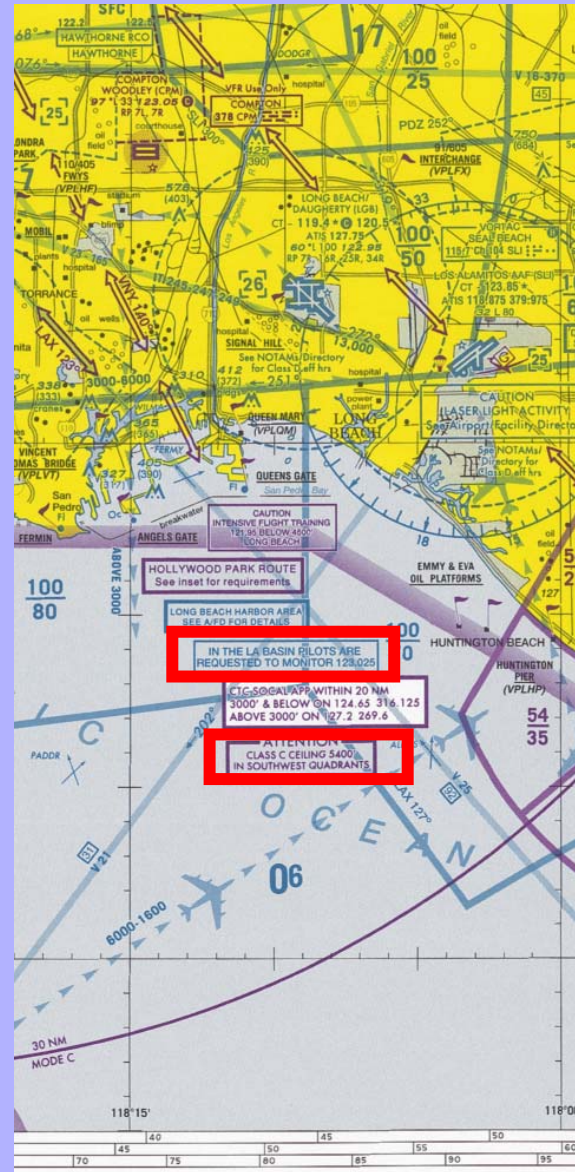
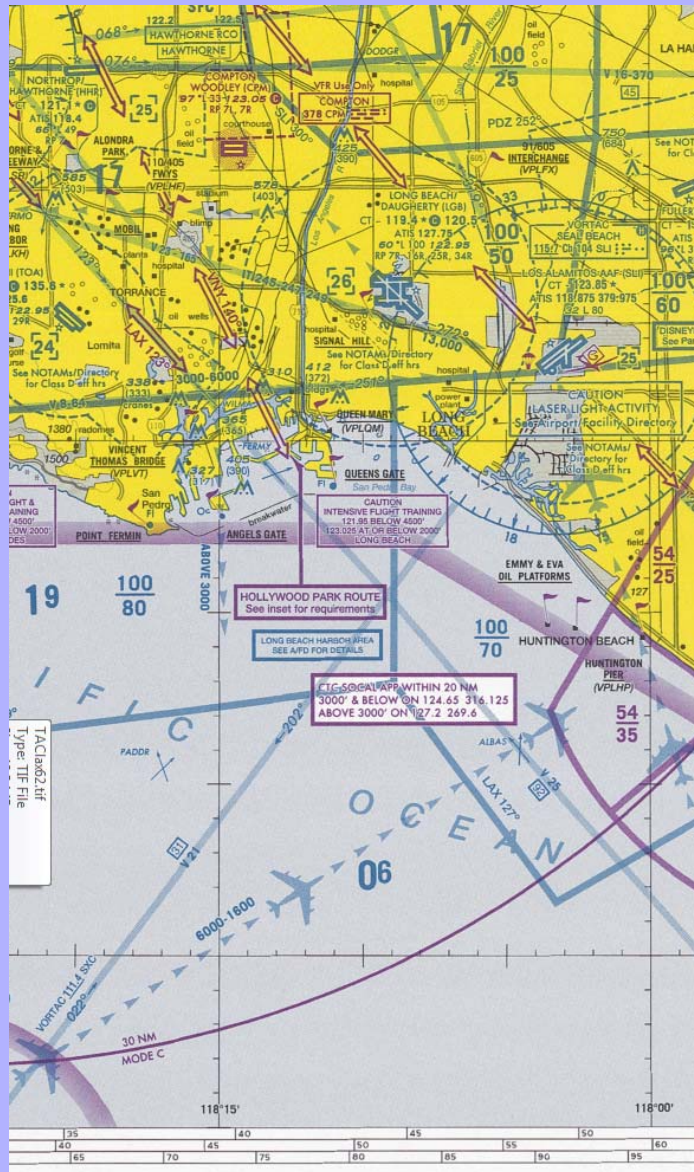
Edition 61



No discernable changes

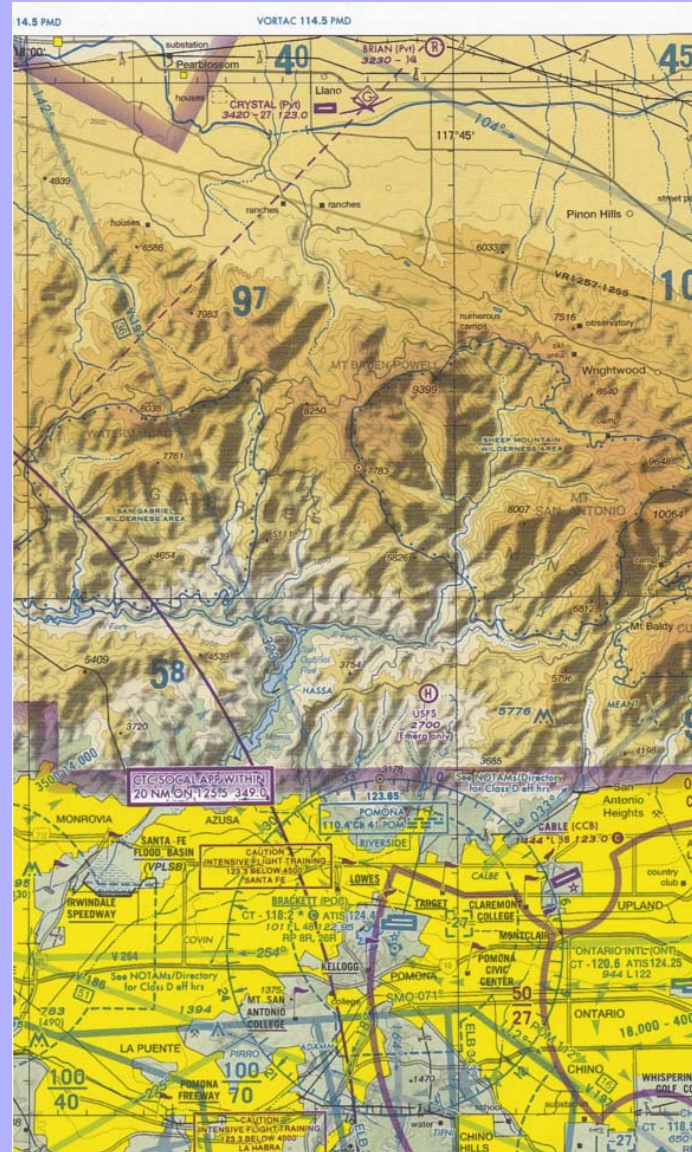
Edition 62

Edition 61



Edition 62

Edition 61



No
discernable
changes

Edition 62

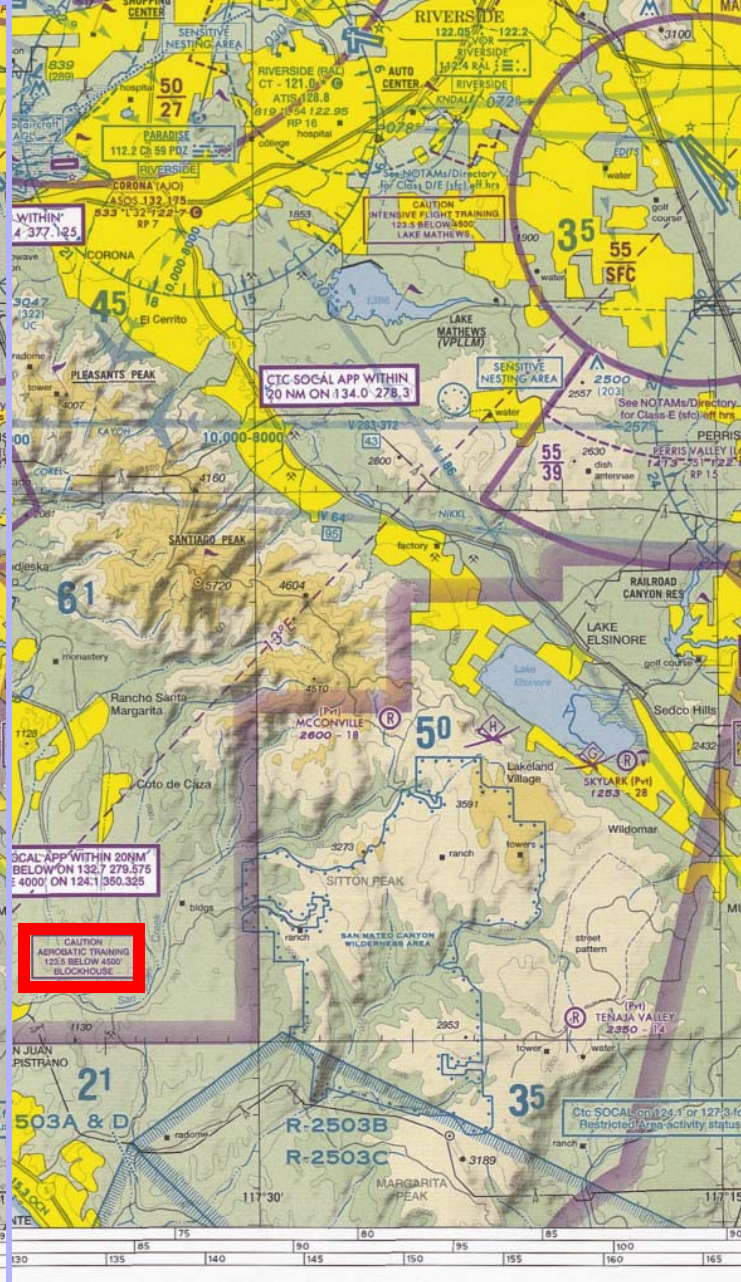
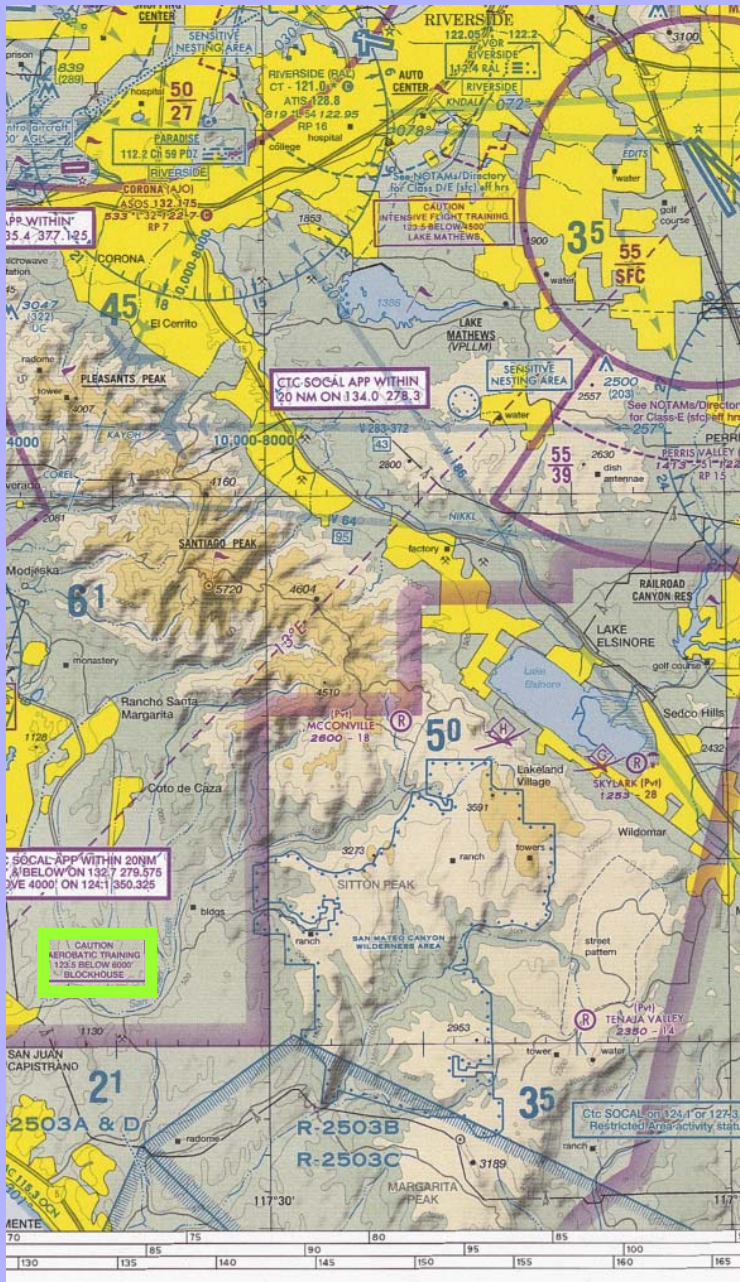
Edition 61



No discernable changes

Edition 62

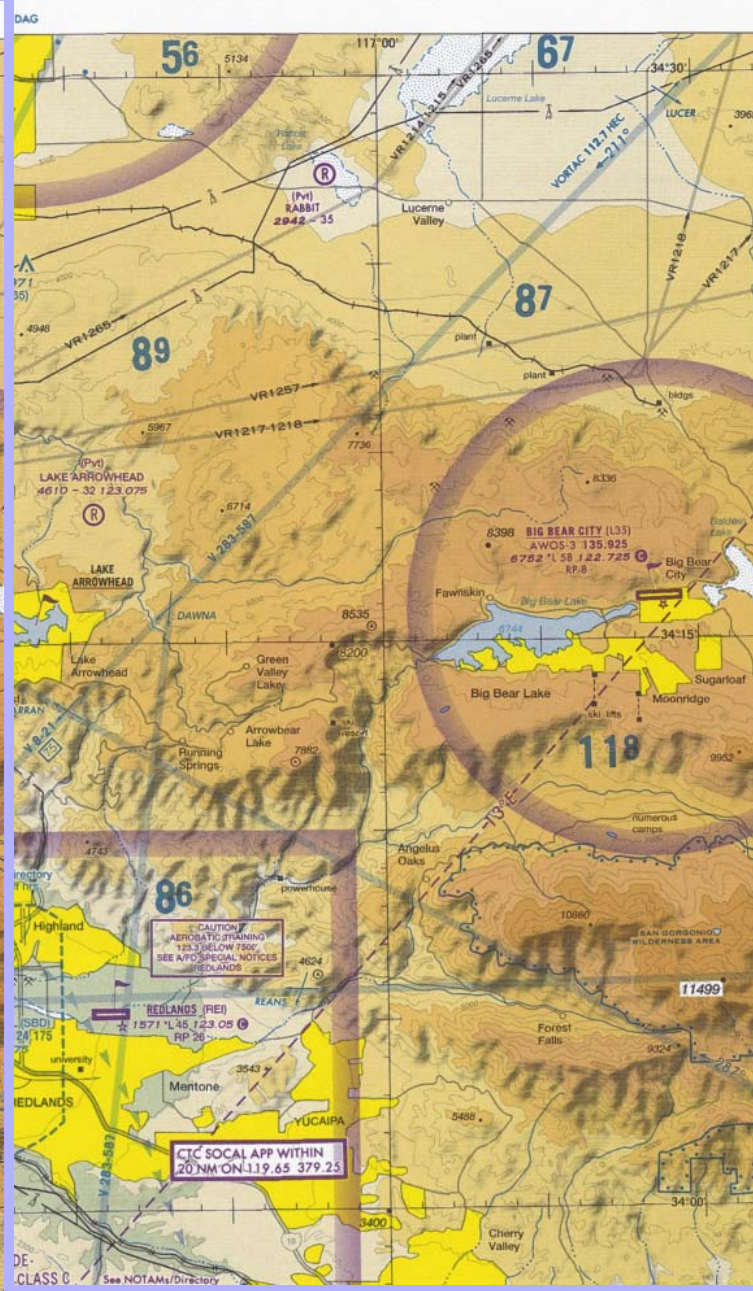
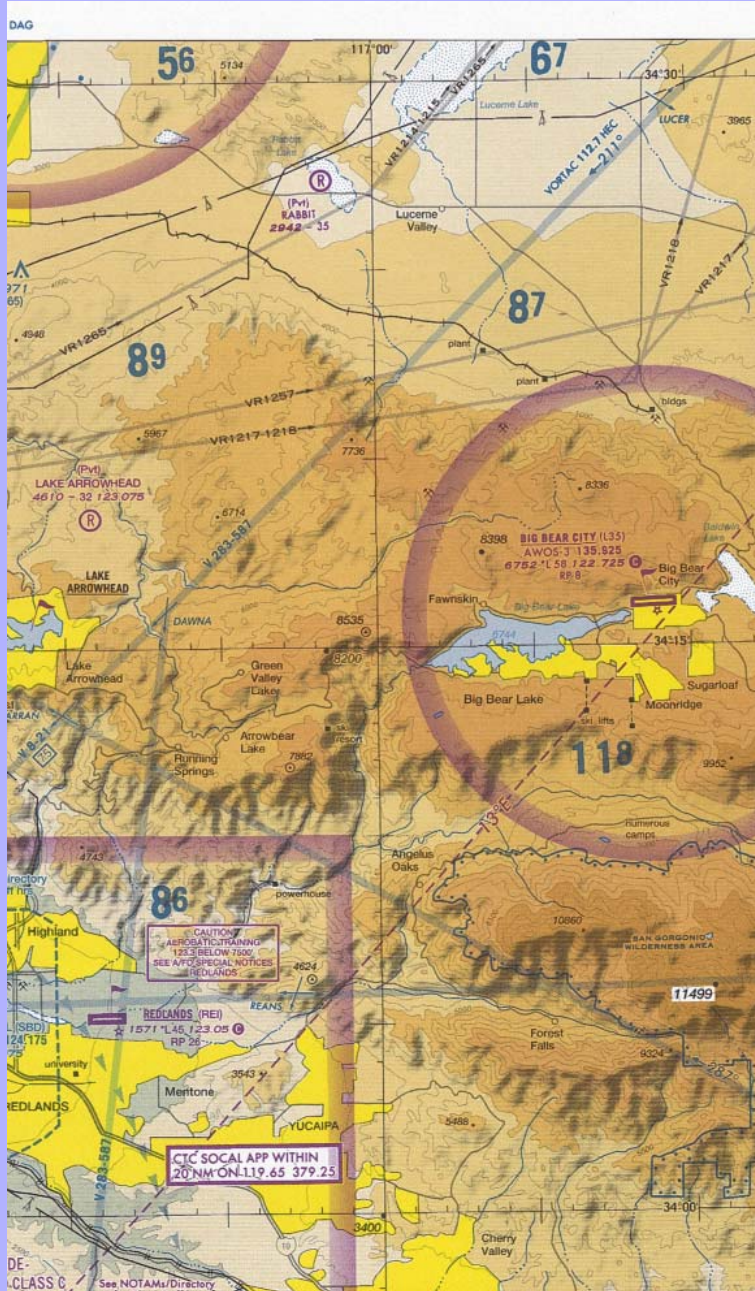
Edition 61



Top of Block-house practice area raised from 4,500' to 6,000'

Édition 62

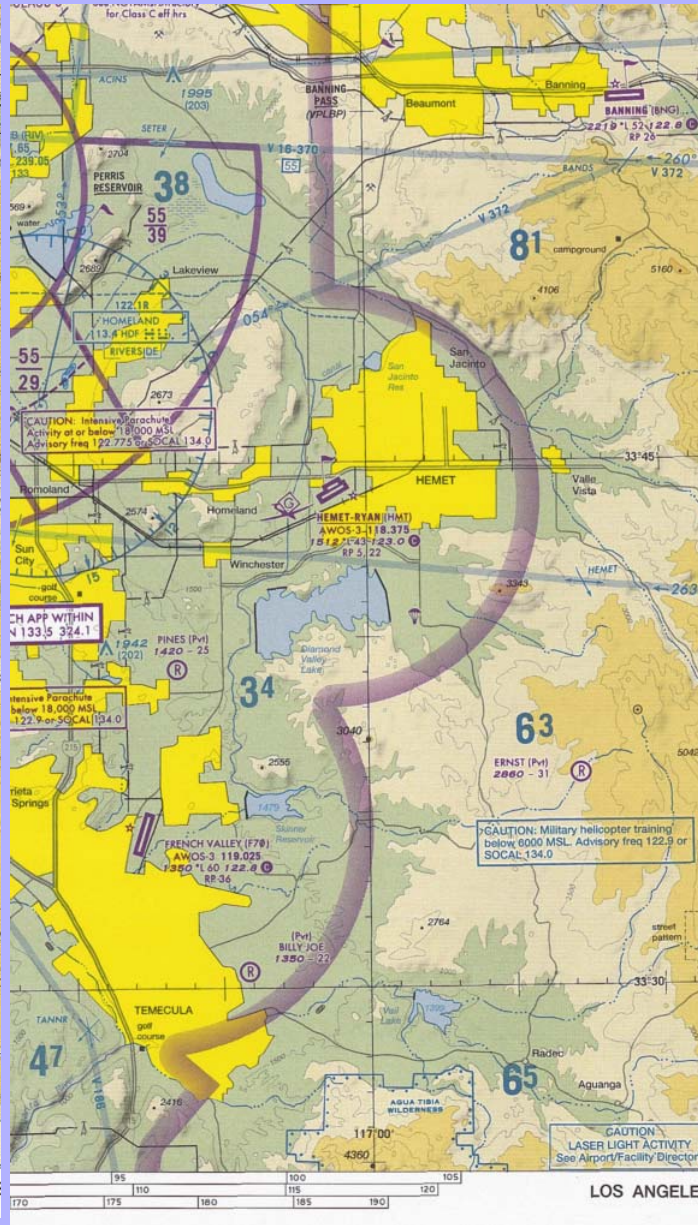
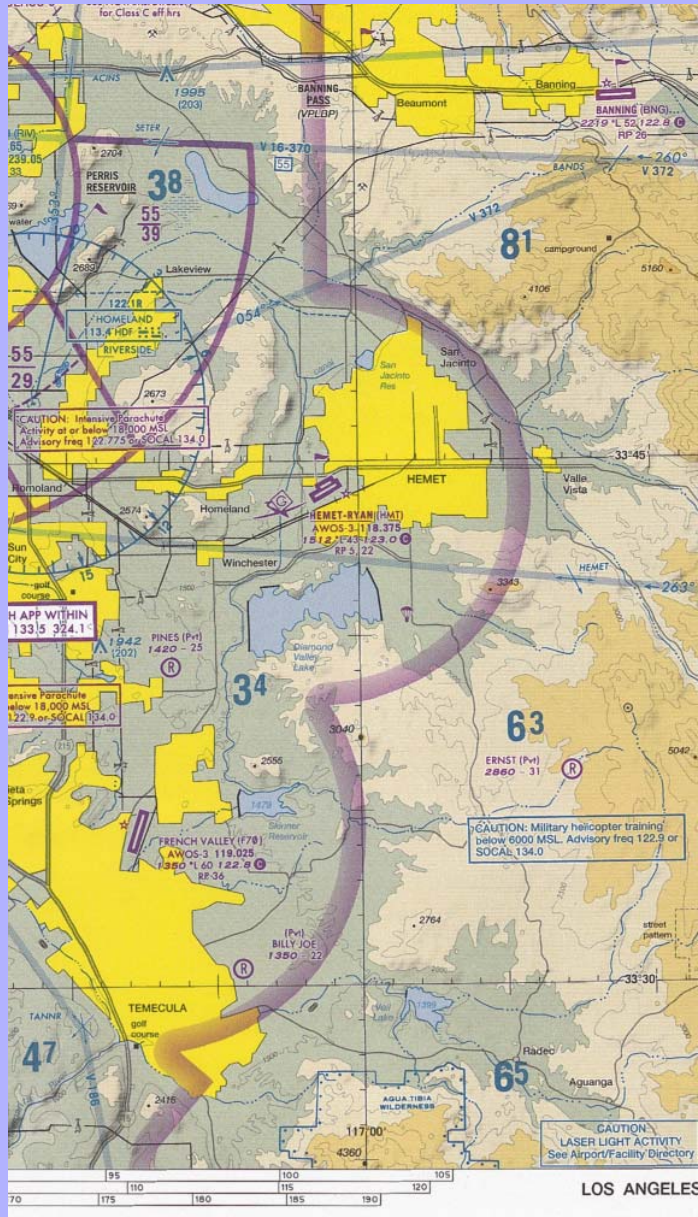
Édition 61



No discernable changes

Edition 62

Edition 61



No discernable changes

CONTROL TOWER FREQUENCIES ON LOS ANGELES TERMINAL AREA CHART

Airports with control towers are indicated on the face of the chart by the letters CT followed by the primary VHF local control frequency (ies). Information for each tower is listed in the table below. Operational hours are local time. The primary VHF and UHF local control frequencies are listed. An asterisk (*) indicates the part-time tower frequency is remoted to a collocated full-time FSS for use as Airport Advisory Service (AAS) during hours the tower is closed. The primary VHF and UHF ground control frequencies are listed. Automatic Terminal Information Service (ATIS) frequencies shown on the face of the chart are primary arrival VHF/UHF frequencies. All ATIS frequencies are listed in the table below. ATIS operational hours may differ from tower operational hours. ASR and/or PAR indicate Radar Instrument Approach available. *MON-FRI* indicates Monday through Friday.

CONTROL TOWER	OPERATES	TWR FREQ	GND CON	ATIS	ASR/PAR
BOB HOPE	CONTINUOUS	118.7 254.3	123.9 348.6	134.5 135.125 (ARR VIA RWY/ PMD VORTAC ONLY)	
BRACKETT	0700-2100	118.2	125.0	124.4	
CAMARILLO	0700-2100	128.2 269.4	121.8	126.025	
CHINO	0700-2100	118.5	121.6	125.85	
EL MONTE	0800-2000	121.2	125.9	118.75	
FULLERTON	0700-2100	119.1	121.8	125.05	
JOHN WAYNE-ORANGE CO	0615-2300	119.9 (RWY 01R/19L) 126.8 (RWY 01L/19R) 279.9	120.8 (E) 132.25 (W)	126.0	
LONG BEACH/DAUGHERTY	0615-2345	119.4 (RWY 30 ARR) RWY 12 DEP 120.5 (RWY 12 ARR) RWY 30 DEP 257.8	133.0 257.6	127.75	
LOS ALAMITOS AAF	0800-1600 SAT-MON 0700-2200 TUE-FRI CLSD HOL	123.85 251.15	126.95 257.95	118.875 379.975	ASR/PAR
LOS ANGELES INTL	CONTINUOUS	133.9 239.3 (N CMPX) 120.95 279.1 (S CMPX)	121.65 327.0 (N CMPX) 121.75 327.0 (S CMPX)	133.8 (ARR) 135.65 (DEP)	
MARCH AFB	CONTINUOUS	127.65 253.5	121.75 335.8	134.75 239.05	
NORTHROP/HAWTHORNE	0600-2000	121.1 257.8	125.1	118.4	
ONTARIO INTL	CONTINUOUS	120.6 360.775	121.9 257.8	124.25	
POINT MUGU HAS (VENTURA CO)	0700-2300 CLSD HOL	124.85 290.375 340.2	121.8 360.2	125.55 363.05	ASR/PAR
RIVERSIDE	0700-2000	121.0 257.8	121.7	128.8	
SAN BERNARDINO INTL	0700-2100	119.45	121.8	124.175	
SANTA MONICA	0700-2100	120.1 257.8	121.9	119.15	
VAN NUYS	0600-2245	119.3 (162°-345° & RWY 14R/34L DEP) 120.2 (346°-161° & RWY 14L/34R DEP) 239.0	121.7	118.45	
WHITEMAN	0800-2000	135.0	125.0	132.1	
ZAMPERINI	0700-2000	124.0 (S) 135.6 (N) 257.8	120.9	125.6	

CLASS B, CLASS C, TRSA AND SELECTED APPROACH CONTROL FREQUENCIES

FACILITY	FREQUENCIES	SERVICE AVAILABILITY
LOS ANGELES CLASS B	134.9 363.2	CONTINUOUS
BURBANK CLASS C	120.4 360.6 (VNY 280°-BUR 050°) 134.2 338.2 (VNY 160°-280°) 135.05 317.3 (BUR 050°-150°) 124.6 298.85 (BUR 150°-VNY 160°)	CONTINUOUS
ONTARIO CLASS C	127.25 318.2 (N-N) 119.65 379.25 (N-E) 134.0 278.3 (E-S) 135.4 377.125 (S-SW) 125.5 349.0 (SW-N)	CONTINUOUS
RIVERSIDE-MARCH FIELD CLASS C	133.5 324.1 O/T SOCIAL APP 119.65 379.25 (N-E EAST) 125.5 349.0 (SW-NORTH) 127.25 318.2 (NORTH-N) 134.0 278.3 (EAST-SOUTH) 135.4 377.125 (SOUTH-SW)	0700-2300 CLSD HOL O/T CLASS D
SANTA ANA CLASS C	121.3 263.1 (S15°-045°) 124.1 350.325 (045°-190° ARR 4000) 132.7 279.575 (045°-190° 4000 & BW) 137.2 269.6 (190°-315° ARR 2000) 124.65 316.125 (190°-315° 3000 & BW)	0615-2300 O/T CLASS G
POINT MUGU HAS (VENTURA CO)	128.65 307.275	0700-2300
O/T indicates Other times		

SPECIAL USE AIRSPACE ON LOS ANGELES TERMINAL AREA CHART

Unless otherwise noted altitudes are MSL and in feet. Time is local.
TO an altitude means "to and including."
FL - Flight level.
NO A/G - No air to ground communications.
Contact nearest FSS for information.

† Other times by NOTAM.
NOTAM - Use of this term in Restricted Areas indicates FAA and DoD NOTAM systems. Use of this term in all other Special Use areas indicates the DoD NOTAM system.

NUMBER	ALTITUDE	TIME OF USE	CONTROLLING AGENCY/ CONTACT FACILITY	FREQUENCIES
R-2503 A	TO 3000	0600-2400†	LOS ANGELES CNTR	125.65
R-2503 B	TO 15,000	0600-2400†	LOS ANGELES CNTR	125.65
R-2503 C	15,000 TO FL 270	INTERMITTENT BY NOTAM 24 HRS IN ADVN	LOS ANGELES CNTR	125.65
R-2503 D	2000 TO 11,000	INTERMITTENT BY NOTAM 24 HRS IN ADVN	SOCAL TRACON	124.1 127.3
R-2519	UNLIMITED	CONTINUOUS	LOS ANGELES CNTR	135.5
W-289	UNLIMITED	INTERMITTENT BY NOTAM	LOS ANGELES CNTR	132.15
W-290	TO FL 800	INTERMITTENT BY NOTAM	LOS ANGELES CNTR	132.15

CONTROL TOWER FREQUENCIES ON LOS ANGELES TERMINAL AREA CHART

Airports with control towers are indicated on the face of the chart by the letters CT followed by the primary VHF local control frequency (ies). Information for each tower is listed in the table below. Operational hours are local time. The primary VHF and UHF local control frequencies are listed. An asterisk (*) indicates the part-time tower frequency is remoted to a collocated full-time FSS for use as Airport Advisory Service (AAS) during hours the tower is closed. The primary VHF and UHF ground control frequencies are listed. Automatic Terminal Information Service (ATIS) frequencies shown on the face of the chart are primary arrival VHF/UHF frequencies. All ATIS frequencies are listed in the table below. ATIS operational hours may differ from tower operational hours. ASR and/or PAR indicate Radar Instrument Approach available. *MON-FRI* indicates Monday through Friday.

CONTROL TOWER	OPERATES	TWR FREQ	GND CON	ATIS	ASR/PAR
BOB HOPE	CONTINUOUS	118.7 254.3	123.9 348.6	134.5 135.125 (ARR VIA RWY/ PMD VORTAC ONLY)	
BRACKETT	0700-2100	118.2	125.0	124.4	
CAMARILLO	0700-2100	128.2 269.4	121.8	126.025	
CHINO	0700-2100	118.5	121.6	125.85	
EL MONTE	0800-2000	121.2	125.9	118.75	
FULLERTON	0700-2100	119.1	121.8	125.05	
JOHN WAYNE-ORANGE CO	0615-2300	119.9 (RWY 01R/19L) 126.8 (RWY 01L/19R) 279.9	120.8 (E) 132.25 (W)	126.0	
LONG BEACH/DAUGHERTY	0615-2345	119.4 (RWY 30 ARR) RWY 12 DEP 120.5 (RWY 12 ARR) RWY 30 DEP 257.8	133.0 257.6	127.75	
LOS ALAMITOS AAF	0800-1600 SAT-MON 0700-2200 TUE-FRI CLSD HOL	123.85 251.15	126.95 257.95	118.875 379.975	ASR/PAR
LOS ANGELES INTL	CONTINUOUS	133.9 239.3 (N CMPX) 120.95 279.1 (S CMPX)	121.65 327.0 (N CMPX) 121.75 327.0 (S CMPX)	133.8 (ARR) 135.65 (DEP)	
MARCH AFB	CONTINUOUS	127.65 253.5	121.75 335.8	134.75 239.05	
NORTHROP/HAWTHORNE	0600-2000	121.1 257.8	125.1	118.4	
ONTARIO INTL	CONTINUOUS	120.6 360.775	121.9 257.8	124.25	
POINT MUGU HAS (VENTURA CO)	0700-2300 CLSD HOL	124.85 290.375 340.2	121.8 360.2	125.55 363.05	ASR/PAR
RIVERSIDE	0700-2000	121.0 257.8	121.7	128.8	
SAN BERNARDINO INTL	0700-2100	119.45	121.8	124.175	
SANTA MONICA	0700-2100	120.1 257.8	121.9	119.15	
VAN NUYS	0600-2245	119.3 (162°-345° & RWY 14R/34L DEP) 120.2 (346°-161° & RWY 14L/34R DEP) 239.0	121.7	118.45	
WHITEMAN	0800-2000	135.0	125.0	132.1	
ZAMPERINI	0700-2000	124.0 (S) 135.6 (N) 257.8	120.9	125.6	

CLASS B, CLASS C, TRSA AND SELECTED RADAR APPROACH CONTROL FREQUENCIES

FACILITY	FREQUENCIES	SERVICE AVAILABILITY
LOS ANGELES CLASS B	134.9 363.2	CONTINUOUS
BURBANK CLASS C	120.4 360.6 (VNY 280°-BUR 050°) 134.2 338.2 (VNY 160°-280°) 135.05 317.3 (BUR 050°-150°) 124.6 298.85 (BUR 150°-VNY 160°)	CONTINUOUS
ONTARIO CLASS C	127.25 318.2 (N-N) 119.65 379.25 (N-E) 134.0 278.3 (E-S) 135.4 377.125 (S-SW) 125.5 349.0 (SW-N)	CONTINUOUS
RIVERSIDE-MARCH FIELD CLASS C	133.5 324.1 O/T SOCIAL APP 119.65 379.25 (N-E EAST) 125.5 349.0 (SW-NORTH) 127.25 318.2 (NORTH-N) 134.0 278.3 (EAST-SOUTH) 135.4 377.125 (SOUTH-SW)	0700-2300 CLSD HOL O/T CLASS D
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POINT MUGU HAS (VENTURA CO) RADAR	128.65 307.275	0700-2300
O/T indicates Other times		

SPECIAL USE AIRSPACE ON LOS ANGELES TERMINAL AREA CHART

Unless otherwise noted altitudes are MSL and in feet. Time is local.
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FL - Flight level.
NO A/G - No air to ground communications.
Contact nearest FSS for information.

† Other times by NOTAM.
NOTAM - Use of this term in Restricted Areas indicates FAA and DoD NOTAM systems. Use of this term in all other Special Use areas indicates the DoD NOTAM system.

NUMBER	ALTITUDE	TIME OF USE	CONTROLLING AGENCY/ CONTACT FACILITY	FREQUENCIES
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R-2503 B	TO 15,000	0600-2400†	LOS ANGELES CNTR	125.65
R-2503 C	15,000 TO FL 270	INTERMITTENT BY NOTAM 24 HRS IN ADVN	LOS ANGELES CNTR	125.65
R-2503 D	2000 TO 11,000	INTERMITTENT BY NOTAM 24 HRS IN ADVN	SOCAL TRACON	124.1 127.3
R-2519	UNLIMITED	CONTINUOUS	LOS ANGELES CNTR	135.5
W-289	UNLIMITED	INTERMITTENT BY NOTAM	LOS ANGELES CNTR	132.15
W-290	TO FL 800	INTERMITTENT BY NOTAM	LOS ANGELES CNTR	132.15

No discernable changes

VORTAC
115.9 RPR

VORTAC
115.9 RPR

Edition 62

Edition 61

VORTAC
115.9 FREQ

DISNEYLAND THEME PARK
Pursuant to Public Law 108-199, Section 521, aircraft flight operations are prohibited at and below 3000 feet AGL within a 3 nautical mile radius of the Disneyland Theme Park (33°48'00"N/117°51'17"W or the Seal Beach (SLJ) VORTAC 066 degree radial at 6.8 nautical miles) except as specified. See Airport/Facility Directory for details.

NORTH AMERICAN AEROSPACE DEFENSE COMMAND (NORAD) PROCEDURES
All aircraft operating in the U.S. national airspace, if capable, will maintain a listening watch on guard frequencies VHF 121.5 or UHF 243.0. It is incumbent upon all aviators to know and understand their responsibilities if intercepted. Review "AIM" section 5-6-2 for intercept procedures. Additionally, if U.S. military fighter jets intercept an aircraft and flares are dispensed in the area of that aircraft, aviators will pay strict attention, contact air traffic control immediately on the local frequency or on VHF guard 121.5 or UHF 243.0 and follow the interceptor visual ICAO signals. Be advised that non-compliance may result in the use of force.

ATTENTION
THIS CHART CONTAINS MAXIMUM ELEVATION FIGURES (MEF). The Maximum Elevation Figures shown in quadrangles bounded by ticked lines of latitude and longitude are represented in THOUSANDS and HUNDREDS of feet above mean sea level. The MEF is based on information available concerning the highest known feature in each quadrangle, including terrain and obstructions (trees, towers, antennas, etc.).
125
Example: 12,500 feet

Features normally used as checkpoints for controlling VFR traffic are emphasized on this series of charts so they may be readily identified.



The name shown is that used by the controlling personnel and is not necessarily the official name of the feature.

VORTAC
116.2 FREQ

Federal Aviation Administration
National Aeronautical Navigation Services
<http://aeronav.faa.gov>

FOR PROCUREMENT CONTACT:
FAA, National Aeronautical Navigation Services
REDIS / Distribution Team
10201 Good Luck Road
Glenn Dale, MD 20769-6700
Online at <http://aeronav.faa.gov>
Email 9-AMC-ChartSales@faa.gov
Telephone 1-800-438-6972
Fax 301-436-6829
or any authorized FAA Chart Agent

REPORTING CHART ERRORS
You are requested to inform us of chart errors and/or additions that come to your attention while using this chart. Telephone toll free at 1-800-626-3677, or email us at 9-AMC-Aerochart@faa.gov. Frequently asked questions (FAQs) are answered on our website at <http://aeronav.faa.gov>. See the FAQs prior to contact via toll free number or email. Where delineation of data is required such information should be depicted clearly and accurately on a current chart, a replacement copy will be returned. Mail to: FAA, National Aeronautical Navigation Services, SSMC - A, Sta. #3424, 1305 East West Highway, Silver Spring, MD 20910-3281.

Class G Airspace within the United States extends up to 14,500 feet MSL. At and above this altitude all airspace is within Class E Airspace, excluding the airspace less than 1500 feet above the terrain and certain special use airspace areas.

CAUTION: Severe turbulence may occur over rugged terrain. See AIM.

MILITARY TRAINING ROUTES (MTRs)
All IR and VR MTRs are shown, and may extend from the surface upwards. Only the route centerline, direction of flight along the route and the route designator are depicted - route widths and altitudes are not shown.
Since these routes are subject to change every 56 days, and the charts are released every 6 months, you are cautioned and advised to contact the nearest FSS for route dimensions and current status for those routes affecting your flight.
Routes with a change in the alignment of the charted route centerline will be indicated in the Aeronautical Chart Bulletin of the Airport/Facility Directory.
DoD users refer to Area Planning AP/1B Military Training Routes North and South America for current routes.

VORTAC
115.9 FREQ

DISNEYLAND THEME PARK
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125
Example: 12,500 feet

Features normally used as checkpoints for controlling VFR traffic are emphasized on this series of charts so they may be readily identified.



The name shown is that used by the controlling personnel and is not necessarily the official name of the feature.

VORTAC
116.2 FREQ

CAUTION: GPS accuracy necessitates extra vigilance for other aircraft when navigating near any fix retrieved from a GPS database.

LOS ANGELES VFR WAYPOINTS

VFR Waypoint names consist of five letters beginning with "VP". Stand-alone VFR Waypoints are portrayed on VFR Charts using the same four-point star symbol currently used for Instrument Flight Rules (IFR) Waypoints.

VFR Waypoints collocated with Visual Checkpoints (Visual Reporting Points) are portrayed with a Checkpoint flag. The VFR Waypoint name is shown in parentheses adjacent to the Visual Checkpoint name.

VFR Waypoint names are not intended to be pronounceable and shall not be used in ATC Communications.

VPCNG	CONEJO GRADE US HWY 101	N34°12.54' / W118°59.61'
VPCSU	CSU CHANNEL ISLANDS	N34°09.70' / W119°02.53'
VPQTY	GETTY CENTER	N34°04.84' / W118°26.66'
VPLBP	BANNING PASS	N33°56.05' / W116°59.63'
VPLCC	CHAFFEY COLLEGE	N34°08.87' / W117°34.33'
VPLCP	CAJON PASS	N34°18.07' / W117°27.68'
VPLDL	DISNEYLAND	N33°48.72' / W117°55.13'
VPLDP	DANA POINT	N33°27.62' / W117°42.87'
VPLDS	DODGER STADIUM	N34°04.42' / W118°14.42'
VPLFX	91/605 INTERCHANGE	N33°02.38' / W118°06.05'
VPLGP	GRIFFITH PARK OBSERVATORY	N34°07.10' / W118°18.02'
VPLHF	110/405 FWYS	N33°51.42' / W118°17.10'
VPLHP	HUNTINGTON PIER	N33°39.32' / W118°00.25'
VPLKH	KING HARBOR	N33°50.75' / W118°23.88'
VPLLC	LA COLISEUM	N34°00.83' / W118°17.27'
VPLLM	LAKE MATHEWS	N33°50.58' / W117°26.85'
VPLMM	MAGIC MOUNTAIN	N34°26.20' / W118°36.28'
VPLMS	MILE SQUARE PARK	N33°43.40' / W117°56.77'
VPLPD	PRADO DAM	N33°53.40' / W117°38.48'
VPLPP	PACIFIC PALISADES	N34°02.13' / W118°32.15'
VPLDM	QUEEN MARY	N33°45.17' / W118°11.37'
VPLRB	ROSE BOWL	N34°09.67' / W118°10.05'
VPLRT	SANTA ANITA RACE TRACK	N34°08.45' / W118°02.65'
VPLSA	SANTA ANA CANYON	N33°52.03' / W117°42.68'
VPLSB	SANTA FE FLOOD BASIN	N34°07.72' / W117°57.30'
VPLSC	STATE COLLEGE	N33°52.97' / W117°53.13'
VPLSF	SAN FERNANDO RESERVOIR	N34°17.87' / W118°29.00'
VPLSP	SIGNAL PEAK	N33°36.53' / W117°48.63'
VPLSR	HAWTHORNE & 405 FREEWAY	N33°53.07' / W118°21.13'
VPLSS	SANTA SUSANA PASS	N34°16.00' / W118°38.43'
VPLTW	TJUNJUNGA WASH & FOOTHILL	N34°16.40' / W118°20.30'
VPLVT	WINCENT THOMAS BRIDGE	N34°04.97' / W118°16.32'
VPLWT	WALTER TANK	N34°10.82' / W118°46.27'
VPNEW	NEWHALL PASS	N34°20.18' / W118°30.72'
VPSTC	SATICOY BRIDGE	N34°16.62' / W119°08.34'

GPS data has been moved to the flyways side.

Chart Procurement information moved here from title panel.