# CHAPTER 3 Hayward Executive Airport Policies

## 3.1 Purpose and Scope

Chapter 3 of the Airport Land Use Compatibility Plan (ALUCP) for Hayward Executive Airport (HWD) presents the criteria, maps, and policies to be used by the Alameda County Airport Land Use Commission (ALUC) and other local jurisdictions. These policies shall apply when reviewing a proposal for land use development within the airport influence area (AIA) for its compatibility with airport operations. The ALUC and affected cities within the AIA shall also use these policies when modifying general plans, zoning ordinances, and other local land use policies. The authority for such reviews is derived from the California State Aeronautics Act (Public Utilities Code, Section 21670 *et seq.*).

This ALUCP is based on the City of Hayward's most recent *Master Plan for Hayward Executive Airport* (Master Plan), as well as the most recent ALP. State law (PUC Section 21675 (a)) requires that data included in an ALUCP address the anticipated growth of an airport over a minimum of a 20-year period following publication. While the timeframe addressed by the HWD Master Plan does not extend to 2030 to fulfill this requirement, historical data obtained since publication of the Master Plan indicates that the data identified in the master plan will remain valid for the next 20-years (through 2030).

As part of Master Plan development, airport operators prepare operational forecasts based on historical data and industry trends. Based on these forecasts, operators can determine the types and extent of landside and airside facilities that will be required to meet demands during the planning horizon. The Master Plan forecasts identified that aircraft operations would grow from 181,966 total operations in 1996 to reach 268,310 operations in 2020. These forecasts differ substantially from recent historical data however, which indicate that operations at HWD have decreased since the update of the HWD Master Plan. Historical Terminal Area Forecast (TAF) data from FAA indicates that 121,827 annual operations occurred in 2009, indicating a decrease of approximately 33% during the fifteen year period since 1996.

Although annual operations are expected to increase from the present to 2030, they are unlikely to surpass the number of forecasted operations identified and used in the Master Plan (268,310 annual operations); therefore, the analysis of operational impacts associated with noise and the extent of proposed development in the Master Plan are likely to overestimate the number of operations throughout the 20-year horizon associated with this ALUCP.

This ALUCP is intended to be used in conjunction with the county-wide procedures and policies adopted by the ALUC, which are presented in chapters 1 and 2 of this document.

## 3.1.1 Airport Influence Area (AIA)

The policies within this ALUCP apply to all lands within the AIA, also known as the airport referral area. The AIA is the area within which the ALUC is authorized to review new local land use actions, plans, and policies. Figure 3-1 shows the AIA for HWD. This AIA was designated using physical boundaries such as roads and other constructed boundaries, and encompasses an area that includes noise contours, flight tracks, safety zones, and navigable airspace. The AIA for HWD extends east to the Union Pacific railroad tracks and south to Tennyson Road, west to San Francisco Bay, and north to Lewelling Boulevard. The AIA includes portions of the cities of Hayward and San Leandro, and unincorporated areas of Alameda County in the vicinity of the Airport, including the Eden Planning Area, located north of the Airport. The boundaries of the AIA are shown on each of the four compatibility maps in this chapter.

The western portion of HWD's AIA intersects with the southern portion of the AIA for Oakland International Airport (OAK) (see Figure 3-2). Should a question of jurisdictional authority arise within this zone of intersect between the AIAs, *the compatible land use plan with the more stringent land use policies shall apply*.

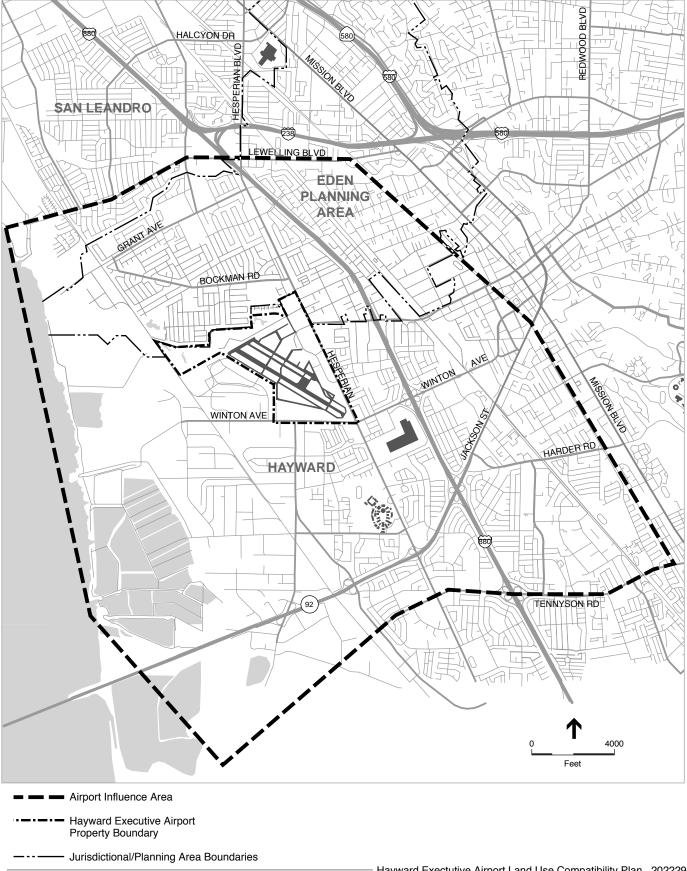
## 3.2 Compatibility Factors and Zones

## 3.2.1 Noise Impact Zones

Figure 3-3 presents the noise contours associated with operations at HWD. As shown in the figure, the 60 and 65 Community Noise Equivalent Level (CNEL) contours associated with operations at OAK extend into the AIA for HWD. In most cases where the contours overlap, the noise exposure associated with the OAK contours exceeds the noise exposure that would be associated with the HWD contours. Therefore, when reviewing potential development projects or land use changes in areas where the OAK and HWD contours overlap, noise policies associated with the OAK ALUCP shall apply.

## 3.2.2 Safety Zones

To depict the relative risks of aircraft accidents, the *California Airport Land Use Planning Handbook* (Caltrans, 2002) provides guidance for developing safety zones and the risk contours upon which they are based. The risk contours are derived from the accident location database described in the *Handbook* and show the relative concentrations of accidents near the ends of runways of different lengths. The safety zones are developed using this data and are created for varying runway lengths and operational characteristics, while at the same time taking into account aeronautical factors that affect where aircraft accidents are most likely to occur. Although the accident database is national in scope, the safety zones established for HWD are based on accident data from general aviation airports with similar operational characteristics (e.g., runway lengths, classes of aircraft flow, traffic patterns, etc.) as those found at the HWD.



SOURCE: Thomas Brothers Maps; ESA, 2007

Hayward Exectutive Airport Land Use Compatibility Plan . 202229

Figure 3-1 Airport Influence Area

A total of seven different safety zones are shown in Figure 3-4. The choice of safety zone criteria appropriate for a particular zone is primarily a function of risk acceptability. For example, some land uses represent intolerable risks when located near aircraft operation areas and are prohibited (e.g., schools and hospitals). Where the risks associated with a particular land use are considered significant but tolerable, restrictions may be established to reduce the risk. Acceptable land uses generally require no limitations (see Table 3-2 for a list of compatible land uses).

## 3.2.3 FAR Part 77 Surfaces (Airspace Protection)

The airspace protection zones established for the purpose of evaluating the airspace compatibility of land use development in the AIA for HWD are depicted on Figure 3-5. The zones represent the imaginary surfaces defined for the Airport in accordance with Federal Aviation Regulations (FAR) Part 77.

## 3.2.4 Overflight Zones

The overflight zones established for the purpose of providing overflight notification for land uses near HWD are depicted in Figure 3-6. The overflight zones were developed based on the flight tracks and traffic patterns at HWD.

## 3.3 Compatibility Policies

## 3.3.1 Noise

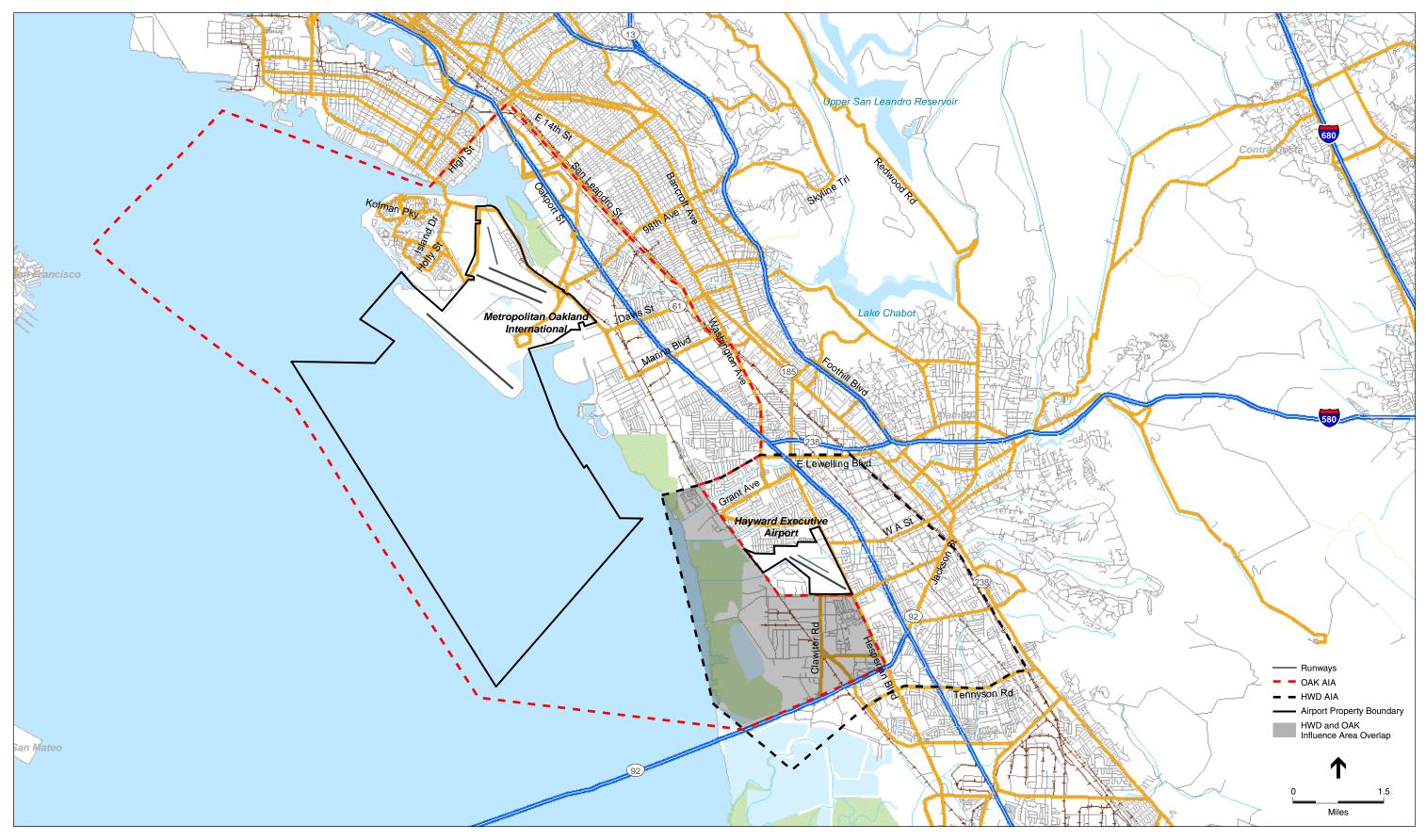
## 3.3.1.1 Objective

Noise compatibility policies are established in order to prevent the development of noise-sensitive land uses in portions of the airport environ that are exposed to significant levels of aircraft noise.

## 3.3.1.2 Evaluation

The noise compatibility policies set forth in this section shall be used in conjunction with Figure 3-3 and Table 3-1 during the evaluation of proposed land uses within the AIA for HWD.

- a. The criteria in this section indicate the maximum acceptable airport-related noise levels, which are measured in terms of CNEL, for a range of land uses.
- b. Noise compatibility policies only apply to the identified noise contours. Within the six noise exposure ranges, each land use type is shown as "compatible", "conditional", or "incompatible". The meaning of these terms is provided in Table 3-1 and differ for indoor versus outdoor uses.
- c. Land uses not specifically listed in Table 3-1 shall be evaluated using the criteria for similar listed uses.



- Hayward Executive Airport Land Use Compatibility Plan . 202229 Figure 3-2 HWD and OAK Influence Area Overlap

## 3.3.1.3 Measurement

The magnitude of exposure experienced by land around HWD to airport-related noise shall be described in terms of CNEL.

- a. The noise contours depict the greatest annualized noise impact, measured in terms of CNEL, anticipated to be generated by the airport over the planning timeframe, which in accordance with state law, extends at least 20 years into the future.
- b. The noise contours depicted in Figure 3-3 were created for the current master plan for HWD and utilized by this ALUCP for the purpose of establishing the noise compatibility criteria herein. The ALUC should periodically review the projected CNEL contours and update them if and when appropriate.
- c. The threshold for evaluation is the projected 60 dB CNEL contour. All proposed land use changes beyond the 60 CNEL contour are considered consistent with the noise compatibility policies set forth in this ALUCP, provided they are consistent with local noise policies.

## 3.3.1.4 Factors Determining Noise Criteria

The factors considered during the development of noise criteria include the following:

- a. Established federal and state regulations and guidelines;
- b. Established local noise-abatement policies, general and specific plan policies;
- c. The degree to which noise would affect the activity associated with a particular land use, and ordinances; and
- d. The extent of outdoor activity associated with a particular land use.

### 3.3.1.5 Appropriate Noise Levels for Specific Types of Land Use Development

- a. The maximum CNEL considered acceptable for new residential uses in the vicinity of HWD is 65 dB.
- b. The compatibility of new nonresidential development with noise levels generated by the Airport is indicated in Table 3-1.
  - 1. Buildings associated with land uses listed as "conditional" must have added sound attenuation as necessary to meet the interior noise level standards indicated in Table 3-1 and in Policy 3.3.1.6.
  - 2. Land uses not specifically identified shall be evaluated using the criteria for listed land uses of a similar nature.

## 3.3.1.6 Interior Noise Levels

Within all identified noise contours, land uses for which interior activities may be easily disrupted by noise shall be required to comply with the following interior noise level criteria:

- a. The maximum, aircraft-related, interior noise level which shall be considered acceptable for land uses within the AIA is 45 dB CNEL in (calculations should assume windows are closed):
  - 1. Living and sleeping areas of single- or multi-family residences;
  - 2. Hotels and motels;
  - 3. Hospitals and nursing homes;
  - 4. Churches, meeting halls, office buildings, and mortuaries; and
  - 5. Schools, libraries, and museums.
- b. The maximum, aircraft-related, interior noise level which shall be considered acceptable for the following land uses is 50 dB CNEL in (calculations should assume windows are closed):
  - 1. Office environments;
  - 2. Eating and drinking establishments; and
  - 3. Other miscellaneous commercial facilities.
- c. When reviewed as part of a general plan or zoning ordinance amendment or as a major land use action, evidence that proposed structures will be designed to comply with these criteria shall be submitted to the ALUC under the following circumstances:
  - 1. Any mobile home within HWD's 55-dB CNEL contour.
  - 2. Any single- or multi-family residence within HWD's 55-dB CNEL contour.
  - 3. Any hotel or motel, hospital or nursing home, church, meeting hall, office building, mortuary, school, library, museum, or other noise-sensitive non-residential use within HWD's 65-dB CNEL contour, as identified in Figure 3-3.

## 3.3.1.7 Engine Run-Up and Testing Noise

ALUC consideration of noise from engine run-up and testing noise activities shall be limited as follows.

- a. Aircraft noise associated with pre-flight engine run-ups, taxiing of aircraft to and from runways, and other operation of aircraft on the ground is considered part of airport operations and is not subject to ALUC regulation. (Engine testing noise is not normally included in the noise contours prepared for an airport and has not been considered in preparation of the noise contours presented in Figure 3-3). However, the ALUC may consider noise from these sources when reviewing the compatibility of proposed land uses to the extent that this noise is reflected in airport noise contours approved by the airport operator and the ALUC.
- b. Noise from aircraft ground operations should be considered by the ALUC when reviewing airport master plans or development plans in accordance with the mandatory and voluntary review policies discussed in Chapter 2.
- c. Noise from the testing of aircraft engines on airport property is not deemed an activity inherent in the operation of an airport, and it is not an airport-related impact addressed by this ALUCP. Noise from these sources should be addressed by the noise policies of local agencies in the same manner as noise from other industrial sources.

		NOISE COMPATIBI	LITY CRIT							
Land Use Category <sup>1</sup>				Exterior Noise Exposure (dB CNEL)						
			<60	60-64	65-69	70-75	>75			
gricultural	, Recreational, a	and Animal-Related								
Outdoor amp	ohitheaters		Р	Р	Х	Х	Х			
loos; animal	l shelters; neight	oorhood parks; playgrounds	Р	Р	Х	Х	Х			
Regional par ecreation fa		; golf courses; outdoor spectator sports; water	Р	Р	с	х	х			
Nature preserves; wildlife preserves; livestock breeding or farming				Р	Р	Р	Р			
Agriculture (except residences and livestock); fishing				Р	Р	Р	Р			
Residential,	Lodging, and C	Care		L						
Residential,	(including single-	family and mobile homes)	Р	Р	Х	Х	х			
Residential,(multi-family; retirement homes; residential; residential hotels)				Р	х	х	х			
Residential hotels; retirement homes; hospitals; nursing homes; intermediate care facilities				Р	х	Х	х			
lotels; mote	ls; other transien	t lodging	Р	Р	С	Х	Х			
Public						• •				
Schools; libra	aries		Р	С	Х	Х	Х			
Auditoriums; concert halls; indoor arenas; places of worship; cemeteries				с	С	x	х			
Commercial	and Industrial		1	1						
Office buildings; office areas of industrial facilities; medical clinics; clinical laboratories; commercial - retail; shopping centers; restaurants; movie theaters			Ρ	Р	Р	x	x			
Commercial - wholesale; research and development			Р	Р	Р	х	Х			
Industrial; manufacturing; utilities; public rights-of-way			Р	Р	Р	х	Х			
and Use	Acceptability	Interp	retation/Co	omments						
Ρ	Permitted	Indoor Uses: Standard construction methods will sufficiently attenuate exterior noise to an acceptable indoor community noise equivalent level (CNEL). Outdoor Uses: Activities associated with the land use may be carried out with essentially no interference from aircraft noise. * The maximum acceptable noise exposure for new residential development in the vicinity of HWD is set at 55 dB CNEL (see Policy 3.3.1.2 (b).)								
С	Conditional	Indoor Uses: Building structure must be capable of attenuating exterior noise to the indoor CNEL indicated by the number; standard construction methods will normally suffice. Outdoor Uses: CNEL is acceptable for outdoor activities, although some noise interference may occur; caution should be exercised with regard to noise-sensitive uses.								
x	Incompatible	<i>Indoor Uses</i> : Unacceptable noise interference if windows are open; at exposures above 65 dB CNEL, extensive mitigation techniques are required to make the indoor environment acceptable for performance of activities.								
		Outdoor Uses: Severe noise interference makes	s outdoor ac	tivities unaco	ceptable.					
ource: ESA, 2	2007; California Air	port Land Use Compatibility Handbook (Caltrans, 2002).								
Note: The layo	out of this table was	s created using the framework developed in previous com	patibility plan	s (Mead & Hu	nt, 2006).					

#### TABLE 3-1

## 3.3.2 Safety

## 3.3.2.1 Objective

Land use safety compatibility criteria are developed to minimize the risks to people and property on the ground as well as those people in an aircraft in the event of an accident or emergency landing occurring outside the airport boundary. Policies set forth in this section focus on reducing the potential consequences of such events when they occur. The most stringent land use controls should be applied to the areas with greatest risk potential.

## 3.3.2.2 Evaluation

The safety compatibility of proposed uses within HWD's AIA should be evaluated in accordance with the policies set forth in this section, including the safety zones presented on Figure 3-4 and the criteria listed in Table 3-2.

- a. The criteria in Table 3-2 indicate whether a particular type of land use is "compatible", "conditional", or "incompatible" with the exposure to aircraft accident risks. The meaning of these terms is provided in the table.
- b. Land uses not specifically listed should be evaluated using the criteria for similar listed uses.

## 3.3.2.3 Measurement

The concept of risk is essential to maintaining a high degree of safety in an airport environment. For the purposes of this ALUCP, the risk that potential aircraft accidents pose to land around HWD shall be defined in terms of the geographic distribution of where accidents are most likely to occur. Due to the infrequency of aircraft accidents, the pattern of accidents at any one airport cannot be used to predict where future accidents are most likely to occur around a particular airport. The safety zones depicted in the *California Airport Land Use Compatibility Handbook* (*Handbook*), and upon which the safety zones in the ALUCP are based, were formulated using the accident distribution patterns presented in the *Handbook* for similar general aviation airports nationwide.

However, state law provides that ALUCs, while required to be guided by the Handbook, may develop height restrictions on buildings, specify use of land, and determine building standards, including soundproofing adjacent to airports within the AIA (per PUC §21675(a)). The ALUC will also take into consideration the type of and location of proposed land uses apart from aircraft accident distribution patterns within the AIA, in order to minimize exposure to excessive noise and safety hazards within areas around HWD to the extent that the areas are not already devoted to incompatible uses, and to safeguard against safety problems related to airport use.

## 3.3.2.4 Factors Determining Safety Criteria

In determining criteria for each safety zone and the overall approach to this compatibility factor, the following issues were considered:

- a. Locations, delineated in respect to the runway, where aircraft accidents near general aviation airports typically occur. The most stringent land use controls should be applied to the areas where the greatest risk of aircraft accidents is likely to occur (as delineated by the Caltrans Handbook), or where land uses put vulnerable populations at an intolerable risk from potential aircraft accidents.
- b. Runway length and approach categories for each runway at HWD. These factors are reflected in the safety zone shapes and sizes, and are based upon zones suggested in the Caltrans Handbook.
- c. Encroachment of incompatible land uses. The Caltrans Handbook suggests that, "because many general aviation airports are located on the fringes of urban areas, both the threat of new incompatible development and the opportunity for ALUCs to help preserve a compatible airport land use relationship are great." The location of HWD in a dense urban setting amplifies the need to strike a balance between making land use decisions that will benefit both local jurisdictions and the public airport serving them, while preserving the safety of the general public.
- d. The ALUC recognizes buildings with higher and/or vulnerable populations present an added risk and are therefore, restricted within some safety zones. Where not restricted, the California Building Code (CBC) requires additional safety measures for these types of buildings.

### 3.3.2.5 Airport Safety Zones

A total of seven different safety zones were identified as shown in Figure 3-4. As described above, the choice of safety zone criteria appropriate for a particular zone is largely a function of risk acceptability. Land uses (e.g., schools and hospitals) which, for a given proximity to the airport, are judged to represent intolerable risks must be prohibited. Where the risks of a particular land use are considered significant but tolerable, establishment of restrictions may reduce the risk to an acceptable level. Uses which are basically acceptable generally require no limitations (see Table 3-2 for a list of compatible land uses within each safety zone).

In certain situations, the perceived risk of an aircraft accident occurring in a location where large numbers of people assemble or have restricted mobility, such as sports stadiums, amphitheaters, etc., may be perceived as an intolerable risk no matter where it may be located within an AIA.

- a. The following safety zones are identified for the purpose of presenting safety policies:
  - Zone 1: Runway Protection Zones
  - Zone 2: Inner Approach / Departure Zones
  - Zone 3: Inner Turning Zones
  - Zone 4: Outer Approach / Departure Zones
  - Zone 5: Sideline Zones
  - Zone 6: Traffic Pattern Zone
  - Zone 7: Other Airport Environs outside of Zones 1 6, but within the AIA

### 3.3.2.6 Residential Development Criteria

The development of new residential land uses must be restricted in the following ways:

- a. In Safety Zone 1, no new dwellings shall be constructed under any circumstance, with the exception of the construction of a secondary dwelling unit.
- b. In Safety Zone 2 new dwellings are not recommended within the zone boundaries. However, due to the existing urban nature of the surrounding environs and the existing residential land use, infill may be allowed up to an average of the surrounding residential use (except for high density residential), provided that other safety criteria identified in this plan are satisfied (see Policy 2.7.5.7(a) for infill criteria). This policy does not apply to the construction of a secondary dwelling unit.
- c. Other land uses listed as "conditional" (e.g., short-term and long-term lodging facilities) should comply with all relevant conditions applied to the particular safety zone(s) in which they are proposed, as well as the conditions listed below.
  - 1. Land uses within safety zones 3 through 5 should be clustered, to the greatest extent practical, to preserve open space as specified in Table 3-2. (See Policy 3.3.2.10 for clustering criteria.)
  - For Conditional Uses located in Safety Zones 2 through 6 that are not Existing Land Uses, ALUC review is requested in an ADVISORY-ONLY capacity, even if the proposed land use is considered consistent with an adopted general or specific plan. (See Policy 2.6.1. Actions Requiring ALUC Review and 2.7.3.1 Initial Review of General Plan Consistency.)
  - 3. An ALUC Advisory-Only review shall consist of the following:
    - i. Review of project by ALUC staff and Commission at the next regularly scheduled meeting. The purpose of the meeting is to identify any design or locational strategies that could improve the survivability of building inhabitants in the event of an aircraft collision. Such features may include allowing fewer people per acre (site-wide average) than what is allowed for that particular safety zone, project relocation, clustering development to preserve open space, or other features that may be identified by the applicant, jurisdiction, or ALUC.
    - ii. Conditions are will be considered to be met upon the completion of project review by the ALUC, which includes an adopted resolution identifying that all applicable criteria are met, as well as any design features recommended for incorporation by the jurisdiction with ultimate project approval authority (i.e., Planning commission, City Council, or Special District Board).
- d. Secondary unites, as defined by state law, shall be exclude from density calculations, and may be constructed on existing, non-conforming residential parcels.
- e. In Safety Zones 6 and 7, residential development is not restricted.

### 3.3.2.7 Nonresidential Development Criteria

The following criteria apply to most proposed nonresidential development. Separate or additional criteria for land uses of special concern are described in Policy 3.3.2.8. For the purposes of the ALUCP, the primary measure of risk exposure for people on the ground in the event of an aircraft accident is based in the number of people concentrated in areas most susceptible to the risk of aircraft accidents.

a. With respect to the vicinity of HWD, the maximum acceptable intensity of new nonresidential development, including all people (e.g., employees, customers/visitors) who may be at a particular location at any single point in time, both indoors and outdoors,

shall be limited to the intensities indicated in Table 3-2. Nonresidential intensity criteria derive from "urban" (heavily developed) settings (as set forth in Table 9C of the Caltrans Handbook), which reflects the current environment around HWD.

- b. The compatibility of a proposed nonresidential land use shall be evaluated using the land use types listed in Table 3-2.
  - 1. The nonresidential uses are categorized primarily with respect to the typical occupancy load factor of the use measured in terms of square footage per occupant.
  - 2. Proposed development not listed in Table 3-2 shall be evaluated by comparison to a similar use on the list.
- c. Land uses shown as "conditional" should comply with all relevant criteria applied to the particular safety zone(s) in which they are proposed, as well as the conditions listed below.
  - 1. Land uses within safety zones 2 through 5 should be clustered, to the greatest extent practical, to preserve open space as identified in Table 3-2. (See Policy 3.3.2.10 for clustering criteria.)
  - For Conditional Uses in Safety Zones 2 through 6 that are not Existing Land Uses, ALUC review is requested in an ADVISORY-ONLY capacity, even if the proposed land use is considered consistent with an adopted general or specific plan. (See Policy 2.6.1. Actions Requiring ALUC Review and 2.7.3.1 Initial Review of General Plan Consistency.)
  - 3. An ALUC Advisory-Only review shall consist of the following:
    - i. Review of project by ALUC staff and Commission at the next regularly scheduled meeting. The purpose of the meeting is to identify any design or locational strategies that could improve the survivability of building inhabitants in the event of an aircraft collision. Such features may include allowing fewer people per acre (site-wide average) than what is allowed for that particular safety zone, project relocation, clustering development to preserve open space, or other features that may be identified by the applicant, jurisdiction, or ALUC.
    - ii. Local jurisdictions may make exceptions for rare, special events for which a facility is not designated and normally not used and for which extra safety precautions can be taken as appropriate.
  - 4. Conditions are will be considered to be met upon the completion of project review by the ALUC, which includes an adopted resolution identifying any design features recommended for incorporation by the jurisdiction with ultimate project approval authority (i.e., Planning commission, City Council, or Special District Board).
- d. Land uses listed as "incompatible" should not be permitted to be developed within the indicated safety zones.
- e. Though no limit is placed on the intensity of new, nonresidential uses within Safety Zones 6 and 7, exceptions to these criteria should be considered on a case-by-case basis by the ALUC when reviewing development proposals or during mandatory reviews that entail large indoor or outdoor assembly facilities.

### 3.3.2.8 Land Uses of Particular Concern

Land uses which pose the greatest concern are those in which the occupants have reduced effective mobility or are unable to respond in emergency situations. Children's schools, day care centers, hospitals, nursing homes, and other uses in which the majority of occupants are children, elderly, and/or handicapped shall be prohibited within Zones 1 through 5.

- a. For the purposes of these criteria, children's schools include all grades through grade 12.
- b. Day care centers and family day care homes are defined by state law. Non-commercial day care centers ancillary to a place of business are permitted in Zones 2 through 5 provided that the overall use of the property meets the intensity criteria indicated below. Family day care homes are permitted in any location where residential development is permitted and the intensity of the day care home is  $\leq 14$  people. Commercial day care center are conditionally compatible in Zone 6.
- c. In-patient health care facilities include hospitals, health care facilities, and other types of non-ambulatory medical centers. Land uses of these types are prohibited in Safety Zones 1 through 5, and permissible in Zones 6 and 7.
- d. Out-patient health care facilities such as health care centers, clinics, dentists' offices, and other types of ambulatory facilities are conditionally acceptable in Safety Zone 3 and 4.
- e. Storage of fuel and other hazardous materials within the airport environs are restricted as follows.
  - 1. Within Zones 1 and 2, storage of any such substance is prohibited.
  - 2. Within Zones 3, 4, and 5 special measures to minimize risk in the event of an aircraft accident are to be determined by the appropriate permitting agency. Aboveground fuel storage of more than 6,000 gallons is prohibited.
- f. Land uses shown as "conditional" should comply with all relevant criteria applied to the particular safety zone(s) in which they are proposed, as well as the conditions listed below.
  - 1. Land uses within safety zones 2 through 4 should be clustered, to the greatest extent practical, to preserve open space as specified in Table 3-2. (See Policy 3.3.2.10 for clustering criteria.)
  - 2. For Conditional Uses in Safety Zones 2-6 that are not Existing Land Uses, ALUC review is requested in an ADVISORY-ONLY capacity, even if the proposed land use is considered consistent with an adopted general or specific plan. (See Policy 2.6.1. Actions Requiring ALUC Review and 2.7.3.1 Initial Review of General Plan Consistency.)
  - 3. An ALUC Advisory-Only review shall consist of the following:
    - Review of project by ALUC staff and Commission at the next regularly i. scheduled meeting. The purpose of the meeting is to identify any design or locational strategies that shall reduce or avoid harm to those on the ground resulting from a potential aircraft accident. Such features may include allowing fewer people per acre (site-wide average) than what is allowed for that particular safety zone, clustering development to preserve open space, or other features that may be identified by the applicant, jurisdiction, or ALUC.
  - 4. Conditions are will be considered to be met upon the completion of project review by the ALUC, which includes an adopted resolution identifying any design features

recommended for incorporation by the jurisdiction with ultimate project approval authority (i.e., Planning commission, City Council, or Special District Board).

- g. Land uses listed as "incompatible" should not be permitted to be developed within the indicated safety zones.
- h. Though no limit is placed on the intensity of new uses within Safety Zones 6 and 7, exceptions to these criteria should be considered on a case-by-case basis by the ALUC when reviewing development proposals that entail large indoor or outdoor assembly facilities.

### 3.3.2.9 Mixed-Use Development

If a combination of land use types listed separately in Table 3-2 is proposed for a single project or site, the following policies apply:

- a. Where residential and nonresidential uses are proposed to be located in the same or nearby buildings, both residential and nonresidential density criteria must be achieved. The number of dwelling units shall not exceed the density limits indicated in Table 3-2. Both occupancy totals (residential and nonresidential) will be considered with respect to the nonresidential usage intensity criteria cited in the table.
  - 1. Except as designated below in paragraph (2), this mixed-use development criterion is proposed for dense, urban-type developments where the overall usage intensity and ambient noise levels are relatively high.
  - 2. Mixed-use development is prohibited where the residential component would be exposed to noise levels exceeding the limits set in Policy 3.3.1.5.
- b. Where residential and nonresidential uses are proposed to be located in the same or nearby buildings, both residential and nonresidential density criteria must be met. The number of dwelling units shall not exceed the density limits indicated in Table 3-2. Both occupancy totals (residential and nonresidential) will be considered with respect to the nonresidential usage intensity criteria cited in the table.
  - 1. Except as designated below in Paragraph (2), this mixed-use development criterion is intended for dense, urban-type developments where the overall usage intensity and ambient noise levels are relatively high.
  - 2. Mixed-use development is prohibited where the residential component would be exposed to noise levels above the limits set in Policy 3.3.1.5.
- c. Where proposed development will contain a mixture of nonresidential land uses as identified in Table 3-2, the total number of occupants for all the uses shall be added to determine the total number of people on the site. The total number of occupants on the site shall not exceed the maximum set forth in Table 3-2.
  - 1. The number of people for each component use shall be estimated to equal the square footage of that use divided by the occupancy load factor (square footage per person) cited in Table 3-2.
  - 2. If an occupancy load factor is not provided for a component use, the number of occupants may be estimated by using parking space requirements of the affected jurisdiction.

### 3.3.2.10 Criteria for Clustering of Development

The ALUC generally supports clustering as a means for both enhancing safety compatibility in the vicinity of airports and accomplishing other development objectives. Clustering occurs when development is concentrated on one portion of a site or within an overall safety zone, leaving other areas as open space. If the area remaining undeveloped is relatively level and free of large obstacles, clustering potentially allows a greater amount of open space towards which a pilot can land the aircraft; thus reducing the risk of harm to people on the ground. However, an aircraft still has the potential to strike a clustered site, and as such, limitations on the maximum concentrations of dwellings or people in a small area of a large project site are appropriate.

a. No development shall be clustered in a manner that would exceed the intensity limits listed as incompatible in Table 3-2.

## 3.3.2.11 Open Land

In the event of an emergency landing, risks to both people in the aircraft and on the ground can be minimized by providing as much open land as possible in the vicinity of the airport. The following open land policies are considered recommendations, and generally only applicable to development projects of five acres or more.

- a. To be considered "open land", an area should:
  - 3. Be free of obstacles such as large trees, walls, or poles, and overhead wires.
  - 4. Have minimum dimensions of approximately 0.5 acre in size.
- b. Open land areas should be oriented with the typical direction of aircraft flight over the location.
- c. Roads and automobile parking areas are considered acceptable as open land areas if they meet criterion 3.3.2.11(a).
- d. Open land should not preserve or create habitat that could pose hazards to aircraft. For example, wildlife refuges, mitigation banks, wetlands, and other uses that provide habitat or food sources for birds or other wildlife that are hazardous to aircraft operations.
- e. Clustering of development, as detailed in Policy 3.3.2.10, is encouraged to increase the amount of open land.

#### TABLE 3-2 SAFETY COMPATIBILITY CRITERIA

Land Uses			Safety	Compatibili	ty Zones						
	1	2	3	4	5	6	7				
Maximum Site-wide Average Non-Residential Intensity (People/Acre)	10	40	80	100	100	No Limit	No Limit				
Recommended Open Land	100%	40%	30%	20%	20%	0%	0%				
Non-Residential Land U	ses		-	-		-	-				
Note: Where uses are	e listed as "C	"-Conditional,	please refer to	Section 3.3.2.7							
Offices (approx. 215 s. f. /person)	Х	С	С	С	С	Р	Р				
Small eateries/drinking establishments	Х	Х	С	С	С	Р	Р				
(approx. 60 s.f./person)											
Medium sized business	Х	С	С	С	С	Р	Р				
(approx. 200 s.f./person)											
Mixed use retail centers with restaurant facilities ( <i>approx.</i> 110 s.f./ person)	Х	С	С	С	С	Р	Ρ				
Retail center with no restaurant facilities ( <i>approx.</i> 170 s.f./ person)	Х	С	Р	Р	Р	Р	Р				
Residential Land Uses											
Note: Where uses are	e listed as "C	"- Conditional,	please refer to	Section 3.3.2.6	6(c).						
Short-term lodging Facilities (≤ 30 nights): hotels, motels, etc. ( <i>approx. 200 s.f./person</i> )	Х	Х	С	С	С	Р	Р				
Long-term lodging facilities (> 30 days): extended-stay hotels, dormitories, etc.	Х	Х	Х	Х	Х	Р	Р				
Single-family residential: detached dwellings, duplexes, townhomes, mobile homes	Х	С	Incompatik > 9.0 d.u./	3 and 4: ble at density ac; also see 3.3.2.6(b)	Х	Р	Ρ				
Multi-family residential: low- to-high density apartments, condominiums	Х	Х	Incompatibl 12.0 d.u./	3 and 4: e at density > ac; also see 3.3.2.6(b)	Х	P	Р				
Sensitive Land Uses (La	nd Uses	of Particula	ar Concern	)							
Note: Where uses are	e listed as "C	"- Conditional,	please refer to	Section 3.3.2.8	3.						
Schools, K-12	Х	X	X	Х	Х	С	Р				
Commercial Daycare ( <u>&gt;</u> 6)	Х	Х	Х	Х	Х	С	Р				
Nurseries/In-home day care $(\leq 14)$	Х	Х	Х	Х	Х	Р	Р				
Inpatient facilities: hospitals, sanitariums, psychiatric facilities (approximately 250 s.f./person)	Х	Х	X	Х	Х	С	Ρ				
Outpatient facilities (>5 patients): dentist offices, clinics, etc. (approximately 240 s.f. /person)	Х	Х	С	С	Х	Р	Ρ				
Congregate Care Facilities- ambulatory and non- ambulatory (includes assisted living,	Х	Х	X	Х	Х	С	Ρ				

	Safety Compatibility Zones								
Land Uses	1	2	3	. 4	5	6	7		
Maximum Site-wide Average Non-Residential Intensity (People/Acre)	10	40	80	100	100	No Limit	No Limit		
Recommended Open Land	100%	40%	30%	20%	20%	0%	0%		
convalescent/rehab facilities,									
retirement homes)									
Correctional Facilities	Х	Х	Х	Х	Х	С	Р		
High Capacity Indoor assembly room	Х	Х	X	Х	х	Х	С		
( <u>&gt;</u> 1,000 people)									
Medium to large indoor assembly room	Х	Х	X	С	Х	С	С		
( <u>&gt;</u> 300. <1,000 people)		X							
Low capacity indoor assembly room (< 300 people)	Х	Х	С	С	х	С	Р		
Large outdoor assembly area (≥1,000 people)	Х	Х	X	Х	Х	Х	Р		
Medium outdoor assembly area ( <u>&gt;</u> 300, <999)	Х	Х	С	С	Х	С	Р		
Small outdoor assembly area ( <u>&gt;</u> 50, <u>&lt;</u> 299)	Х	Х	С	С	Х	С	Р		
Note: Where uses are Manufacturing, response and						D	D		
Manufacturing, research and development ( <i>approx. 300</i> s.f./ person)	Х	Х	С	С	С	Р	Р		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials	Х	Х	measures to of an aircraf	5: C "Conditior o minimize risk t accident to b permitting agen	in the event e determined	P	Р		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous	X X	X X	measures to of an aircraf	o minimize risk t accident to b	in the event e determined	P	P		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f.</i> /			measures to of an aircraf by p	o minimize risk t accident to be permitting agen	in the event e determined icies.	·			
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f./</i> <i>person</i> ) Repair garages not requiring	X	x	measures to of an aircraf by p C	o minimize risk t accident to b permitting agen P	in the event e determined icies.	P	P		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500</i> s.f./ <i>person</i> ) Repair garages not requiring use of flammable objects	X X	X C	measures to of an aircraf by p C C	o minimize risk it accident to b permitting agen P P	e determined cies.	Р Р	P		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f./</i> <i>person</i> ) Repair garages not requiring use of flammable objects Open parking garages Private garages, carports, and	X X X	C P	measures to of an aircraf by p C C C	o minimize risk t accident to b permitting agen P P P	P P P	P P P	P		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f./</i> <i>person</i> ) Repair garages not requiring use of flammable objects Open parking garages Private garages, carports, and agricultural buildings	X X X X X X	X C P P P	measures to of an aircraf by p C C C P P	o minimize risk t accident to bo permitting agen P P P P	P P P P	Р Р Р Р	P P P P		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f./</i> <i>person</i> ) Repair garages not requiring use of flammable objects Open parking garages Private garages, carports, and agricultural buildings	X X X X Resource C y attract birds pace Protection	X C P P P P Dperations s or other wild	measures to of an aircraf by p C C C P P P P Iffe considered 3.7(a)(5) and FA	o minimize risk t accident to be permitting agen P P P P P potentially haze	P P P P P P P P ardous to flight. rcular 150/5200	P P P P P For uses listed )-33B located ir	P P P P A as C- h Appendix C		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f./</i> <i>person</i> ) Repair garages not requiring use of flammable objects Open parking garages Private garages, carports, and agricultural buildings <b>Agriculture, Natural Features,</b> Note: These uses may Conditional, see Airsp	X X X X Resource C y attract birds pace Protection	X C P P P P Dperations s or other wild	measures to of an aircraf by p C C C P P P P Iffe considered 3.7(a)(5) and FA	o minimize risk t accident to be permitting agen P P P P P potentially haze	P P P P P P P P ardous to flight. rcular 150/5200	P P P P P For uses listed )-33B located ir	P P P P A as C- h Appendix C		
Occupancies utilizing hazardous (flammable, explosive, corrosive, or toxic) materials Storage of hazardous materials: gas stations, etc. Warehouses, distribution facilities ( <i>approx. 500 s.f./</i> <i>person</i> ) Repair garages not requiring use of flammable objects Open parking garages Private garages, carports, and agricultural buildings <b>Agriculture, Natural Features,</b> Note: These uses may Conditional, see Airsp FAA Airspace Protect Tree farms, landscape	X X X X X Resource C y attract birds pace Protectio ion Guidance	X C P P P P P Derations s or other wild on Policy 3.3.3 2. See Airspace	measures to of an aircraf by p C C C P P P P Ife considered 3.7(a)(5) and FA e Protection Pc	o minimize risk t accident to be permitting agen P P P P P P otentially haz: A Advisory Ci olicy 3.3.3.7(a)(	P P P P P P P P ardous to flight. roular 150/5200 5). Commission	P P P P P For uses listed -33B located in n review request	P P P P As C- Appendix C sted.		

#### TABLE 3-2 SAFETY COMPATIBILITY CRITERIA

		SAFETY CO	MPATIBILITY	CRITERIA					
Land Uses	Safety Compatibility Zones								
	1	2	3	4	5	6	7		
Maximum Site-wide Average Non-Residential Intensity (People/Acre)	10	40	80	100	100	No Limit	No Limit		
Recommended Open Land	100%	40%	30%	20%	20%	0%	0%		
Land reserves and open space	Х	Р	Р	Р	Х	Р	Р		
Waterways (rivers, creeks, swamps bays, lakes)	Х	Х	Х	С	Х	С	С		
Reservoirs; quarry lakes; detention ponds; aquifer recharge; recycled water storage; flood control or water conveyance channels.	X	Х	С	С	С	С	С		
Utilities	<u> </u>				1				
Note: These uses may other wildlife consider these uses may be has Section 3.3. Commiss	ed potentially azards to flight sion review ree	hazardous to t. For uses listo quired.	flight. Power li ed as C-Condi	nes, smoke sta tional, see Airs	icks, or other t pace Protectio	all objects asso on Policy 3.3.3.7	ciated with (a)(5), and		
Water treatment	Х	С	С	С	Х	С	С		
Electrical substations	Х	Х	С	Х	Р	Р	Р		
Power plants	Х	Х	Х	Х	Х	Х	С		
Power lines	Х	Х	Х	Х	Х	Р	Р		
Roadways	С	Р	Р	Р	Р	Р	Р		
Other transit-oriented uses (train stations, bus stations, etc.)	X	С	Р	Р	P	Р	Р		
Recreational Land Uses						•			
Note: Golf courses at as C- Conditional, see									
Golf courses	Х	Х	Х	Х	Х	X	С		
Parks (playgrounds, picnic areas, athletic fields, tennis courts, etc.)	Х	С	С	С	х	Р	Р		
Riding stables and trails	Х	Р	Р	Р	Р	Р	Р		
Notes: X – INCOMPATIBLE: Uses sho hazards. C – CONDITIONAL: Uses or ac density and intensity of use. Sec P – PERMITTED: Uses or activ that they will not create height h airspace protection, and/or over <i>All uses or activities identified in</i> .	ctivities that m e sections 3.3 vities are comp azard obstruct flight policies	ay be compati .2.6, 3.3.2.7, a patible with ain tions, smoke, may still apply	ble with airpor nd 3.3.2.9 for port operations glare, electron	t operations de conditional crite s, however, the ic, wildlife attra	pending on th eria on specifi se activities sl ctants, or othe	eir location, size c land uses. nould be reviewe er airspace haza	e, bulk, height ed to ensure rds. Noise,		
given to developments that, whe airport operations. All uses shou and/or overflight policies may st	en located in o uld be reviewe	combination w	ith other permi	tted or limited a	activities, may	create cumulati	ve impacts or		

#### TABLE 3-2 SAFETY COMPATIBILITY CRITERIA

## 3.3.3 Airspace Protection

## 3.3.3.1 Objective

Similar to safety policies, airspace protection criteria is intended to reduce the risk of harm to people and property resulting from an aircraft accident. This is accomplished by the establishment of compatibility policies that seek to prevent the creation of land use features that can be hazards to the airspace used by aircraft in flight and have the potential to cause an aircraft accident to occur. Such hazards may be physical, visual, or electronic.

## 3.3.3.2 Evaluation

Tall structures, trees, other objects, or high terrain on or near airports, may constitute hazards to aircraft. Federal regulations establish the criteria for evaluating potential obstructions. These regulations require that the FAA be notified of proposals related to the construction of potentially hazardous structures (see Appendix C). The FAA conducts "aeronautical studies" of proposed projects to determine whether they would pose risks to aircraft, but it does not have the authority to prevent their creation. The purpose of ALUC airspace protection policies, together with regulations established by local land use jurisdictions and the state government, is to avoid the creation of hazards to the navigable airspace. The policies set forth in this section apply to the entire AIA.

## 3.3.3.3 Measurement

Federal Aviation Regulations (FAR) Part 77, Objects Affecting Navigable Airspace, provides guidance for the height of objects that may affect normal aviation operations. The guidance provided by Part 77 is not absolute, however. Deviation from the Part 77 standards does not necessarily mean that a proposed object is prohibited from construction, only that the offending object must be evaluated by the FAA and that mitigation, such as marking or lighting may be required. Figure 3-5 depicts the Part 77 surfaces in the vicinity of HWD.

## 3.3.3.4 Factors Determining Airspace Protection Criteria

As described above, airspace protection policies rely upon regulation enacted by FAA and the state of California; ALUC policies are intended to help implement the federal and state regulations.

- a. FAA has well-defined standards by which potential hazards to flight, especially airspace obstructions, can be assessed. However, FAA has no authority to prevent the creation of such hazards; that authority rests with state and local officials.
- b. California airspace protection standards mostly mirror those of the FAA; the primary difference being that state law gives the California Department of Transportation, Division of Aeronautics and local agencies the authority to enforce the standards.

## 3.3.3.5 FAA Notification

Proponents of a project that may exceed the elevation of a Part 77 surface must notify the FAA as required by FAR Part 77, Subpart B, by the State Aeronautics Act, and by Public Utilities Code Sections 21658 and 21659.

- a. Local jurisdictions shall inform project proponents of the requirements for notifying the FAA.
- b. FAA review is required for any proposed structure more than 200 feet above the ground level of its site. All such proposals also shall be submitted to the ALUC for review regardless of where in the county the object would be located.
- c. Any project submitted to the ALUC for airport land use compatibility review for reasons of height issues shall include a copy of FAR Part 77 notification to the FAA and the results of the FAA's analysis.
- d. FAA notification shall not automatically trigger an airport compatibility review of a project by the ALUC, unless the project is part of a general or specific plan amendment.
- e. Jurisdictions or project proponents are encouraged to utilize guidance for the evaluation of projects within a civil airport's imaginary surfaces contained in Appendix C (see Section 77.19). Should further assistance be required in determining the potential for a proposed structure to penetrate LVK's imaginary surfaces, please contact the ALUC staff person, or airport manager.

## 3.3.3.6 Obstruction Marking and Lighting

FAA or the California Division of Aeronautics will determine the need for marking and lighting of obstructions as part of aeronautical studies conducted in accordance with FAR Part 77. Under most circumstances, when reviewing proposed structures that exceed the height criteria, The ALUC is expected to abide by the FAA's conclusions regarding marking and lighting requirements. However, situations may arise in which the ALUC, because of its particular knowledge of local airports and airspace, may reach a different conclusion than the FAA. In such instances, the ALUC may determine either that a proposed structure is unacceptable or that it is acceptable only with appropriate marking and lighting. Any marking and lighting that the ALUC may require shall be consistent with FAA standards as to color and other features.

## 3.3.3.7 Other Flight Hazards

Land uses that may cause visual, electronic, navigational, or bird strike hazards to aircraft in flight shall be allowed within the airport influence area only if the uses are consistent with FAA rules and regulations, and/or have demonstrated consideration/application of appropriate FAA guidelines.

- a. Specific characteristics to be avoided include:
  - 1. Glare or distracting lights that could be mistaken for airport lights;
  - 2. Sources of dust, heat, steam, smoke that may impair pilot vision;
  - 3. Sources of steam or other emissions that may cause thermal plumes or other forms of unstable air that generate turbulence within the flight path;

- 4. Sources of electrical interference with aircraft communications or navigation; and
- 5. Features that create an increased attraction for wildlife as identified in FAA rules, regulations, and guidelines including, but not limited to, FAA Order 5200.5A, Waste Disposal Sites On or Near Airports, and Advisory Circular 150/5200-33B, Hazardous Wildlife Attractants On or Near Airports. Land uses with the possibility of attracting hazardous wildlife include landfills and certain recreational or agricultural uses that attract large flocks of birds.
- b. Due to their propensity to generate smoke, steam, and other visual and physical hazards to aircraft in flight, power plants should be avoided in the AIA. However, given the varying types of power plants (i.e., thermal, solar farms, wind farms, etc.), proposed land uses of this type should be evaluated on a case-by-case basis, and in accordance with FAA criteria and the policies set forth in this Plan.
- a. In order to resolve any uncertainties or differences with regard to the significance of the above types of flight hazards, local agencies should consult with FAA officials and LVK management.

## 3.3.3.8 Avigation Easement Dedication

Avigation easements transfer certain property rights from the owner of a property to the owner of the airport (i.e., the City of Hayward). ALUCs may recommend the dedication of an avigation easement as a condition for approval of development on property to restrict the heights of structures or trees. Avigation easements should be dedicated to the airport owner as a condition for any discretionary local approval of any residential or non-residential development within the area indicated on Figure 3-5.

- a. The avigation easement shall:
  - 1. Identify the potential hazard associated with the proposed project and its location within protected airspace;
  - 2. Identify the airport owner's right to clear or maintain the airspace from potential hazards;
  - 3. Identify the right to mark potential obstructions and notify aviators of such hazards; and
  - 4. Provide the right to pass within the identified airspace.
- b. Neither a separate overflight easement nor a separate real estate disclosure is required for properties for which an avigation easement is required.
- c. An example of an avigation easement is provided in Appendix E.

## 3.3.4 Overflight

## 3.3.4.1 Objective

Noise from the overhead flight of aircraft can be annoying and intrusive in locations beyond the limits of the noise contours identified in Section 3.3.1. While sensitivity to aircraft overflights will vary from person to person, the basic intent of overflight policies is to warn people near an

airport of the presence of aircraft so that they have the ability to make informed decisions regarding the acquisition or lease of property within the influence area of an airport.

### 3.3.4.2 Evaluation

Unlike other compatibility factors such as noise, safety, or airspace protection, overflight compatibility policies do not restrict how land can be developed or used; rather, the policies in this section form the requirements for notification about airport proximity and aircraft overflights. These policies are to be applied by the ALUC when evaluating new development. The boundaries of the overflight zones around HWD are identified in Figure 3-6.

### 3.3.4.3 Measurement

Determining the boundaries of overflight noise exposure is difficult to determine as these locations extend well beyond the defined CNEL contours normally associated with areas of high noise exposure. The general locations over which aircraft routinely fly, including when they approach and depart an airport is generally used as an indicator of overflight annoyance concern. Furthermore, the FAA has determined that for the purposes of NEPA changes in aircraft flight tracks below 3,000 feet, AGL require more rigorous environmental review than those changes occurring above 3,000 feet AGL.

## 3.3.4.4 Factors Determining Overflight Criteria

In determining the overflight criteria for HWD, the following factors were considered:

- a. Limitations of ALUC authority of Existing Land Uses. In order to be most effective, overflight policies would ideally apply to all real estate transactions; existing and new. However, the ALUC only has authority to set requirements for new development and to define the boundaries within which real estate transfer disclosure under state law is appropriate.
- b. Need for continuity of real estate disclosure to future property owners and tenants. It is recommended that real estate notifications run with the land and is provided to prospective future owners and tenants.
- c. Excessiveness of avigation easement dedication used solely for buyer awareness purposes. Avigation easements require the conveyance of property rights from the owner to the party owning the easement, and as such, are best suited to locations where land use restrictions for noise, safety, or airspace protection is necessary.

## 3.3.4.5 Overflight Notification

As a condition for local agency approval of new residential land use development of any size within the Overflight Notification Zone indicated on Figure 3-6, an overflight notification should be recorded.

a. The overflight notification should contain the language provided by state law with regard to real estate transfer disclosure (see Policy 3.3.4.6) and should be of a format similar to that indicated in Appendix E.

- b. The notification should be evident to prospective buyers of the property and should appear with the property deed.
- c. A separate overflight notification is not required where an avigation easement is provided.
- d. Recording of an overflight notification is not required for nonresidential development.

### 3.3.4.6 Buyer Awareness Measures

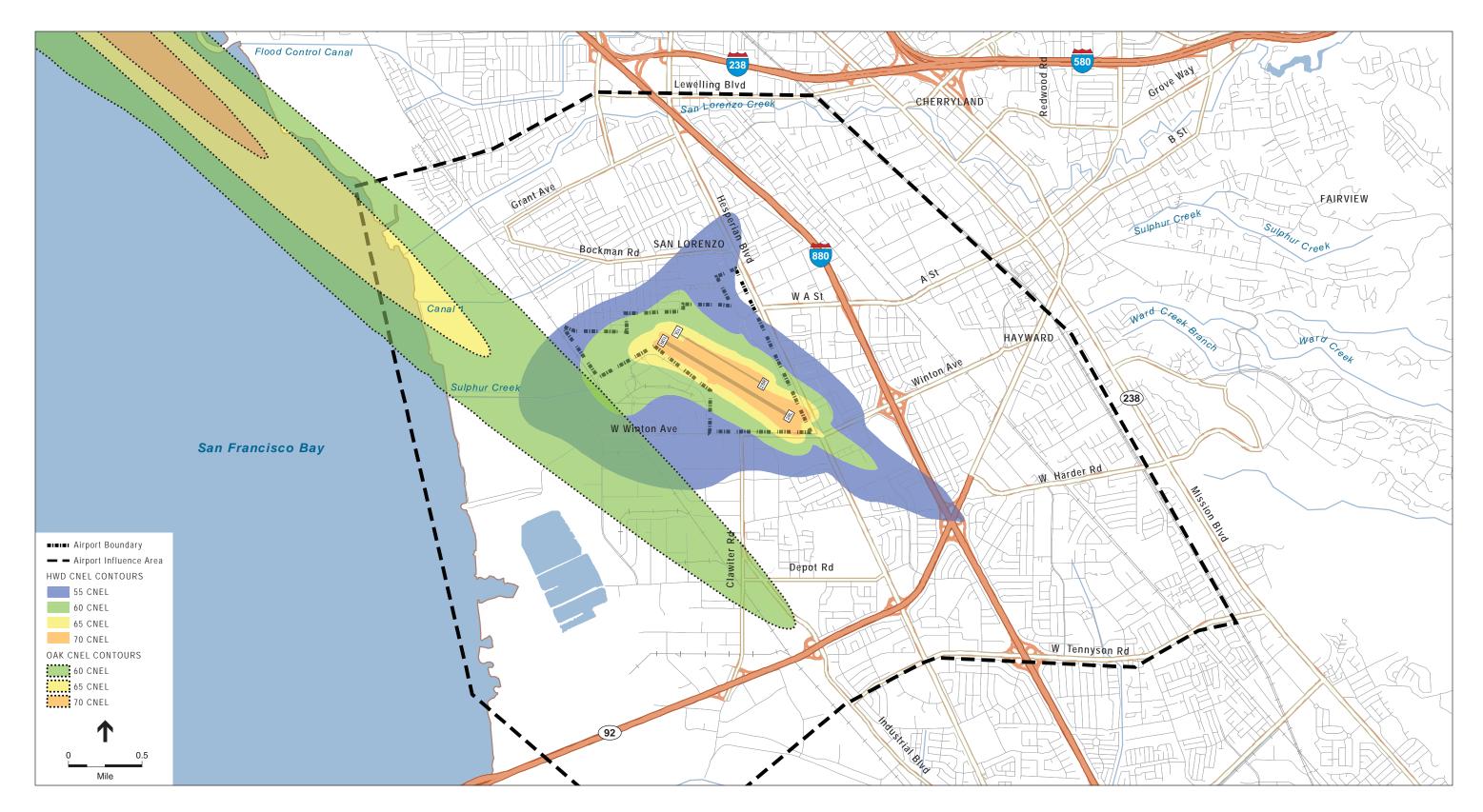
Effective as of January 1, 2004, California state statutes (Business and Professional Code Section 11010 and Civil Code Sections 1102.6, 1103.4, and 1353) mandate that sellers or leasers of real property must disclose information regarding whether their property is situated within an AIA.

- a. These state requirements apply to the sale or lease of subdivided lands and condominium conversions and to the sale of certain existing residential property.
- b. Where disclosure is required, the state statutes dictate that the following statement shall be provided:

#### NOTICE OF AIRPORT IN VICINITY

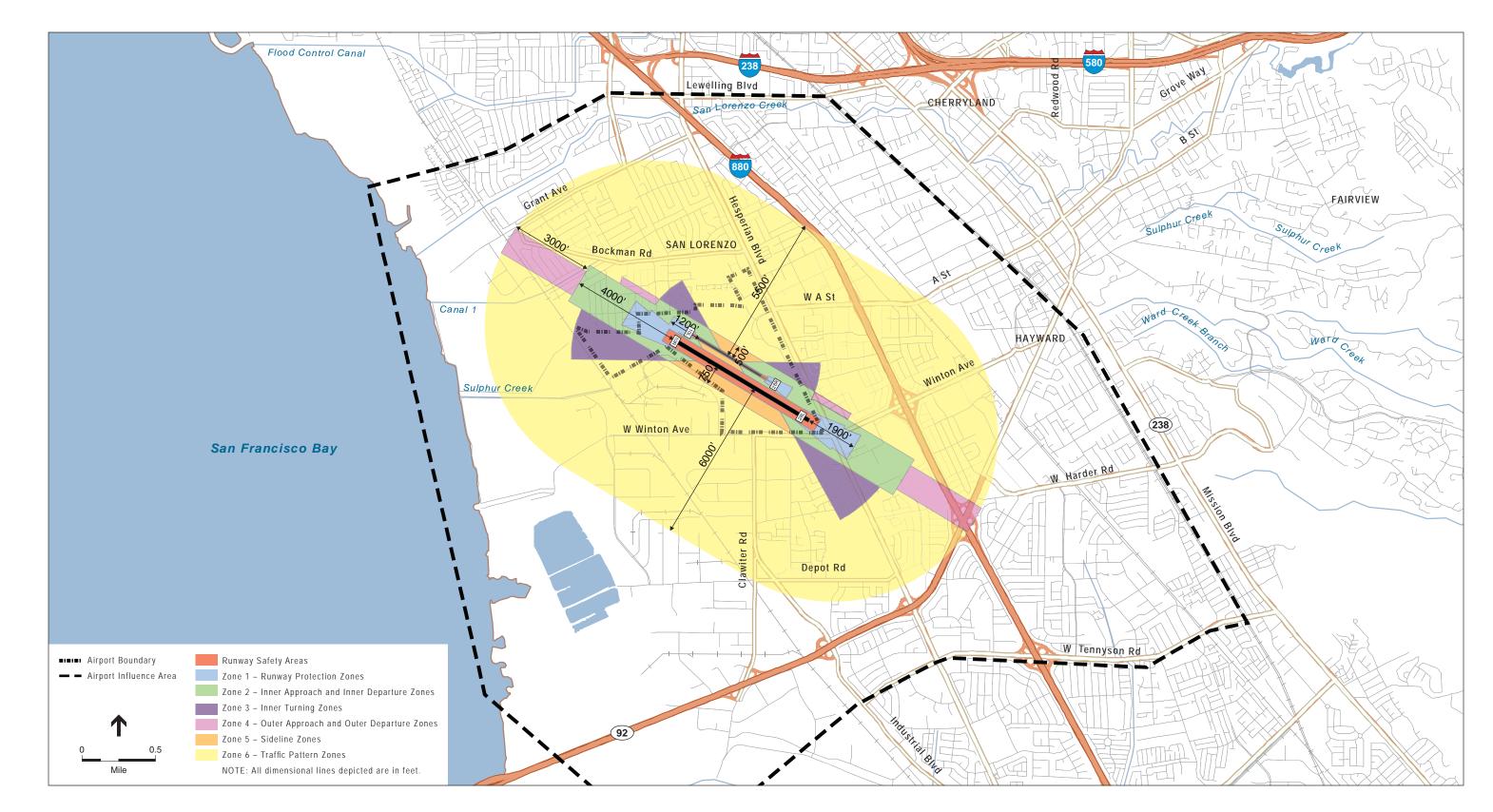
This property is presently located in the vicinity of an airport, within what is known as an airport influence area. For that reason, the property may be subject to some of the annoyances or inconveniences associated with proximity to airport operations (for example: noise, vibration, or odors). Individual sensitivities to those annoyances can vary from person to person. You may wish to consider what airport annoyances, if any, are associated with the property before you complete your purchase and determine whether they are acceptable to you.

c. Although not mandated by state law, the recommendation of this ALUCP is that the airport proximity disclosure should be provided as part of all real estate transactions involving private property (both new and existing) within the airport influence area.



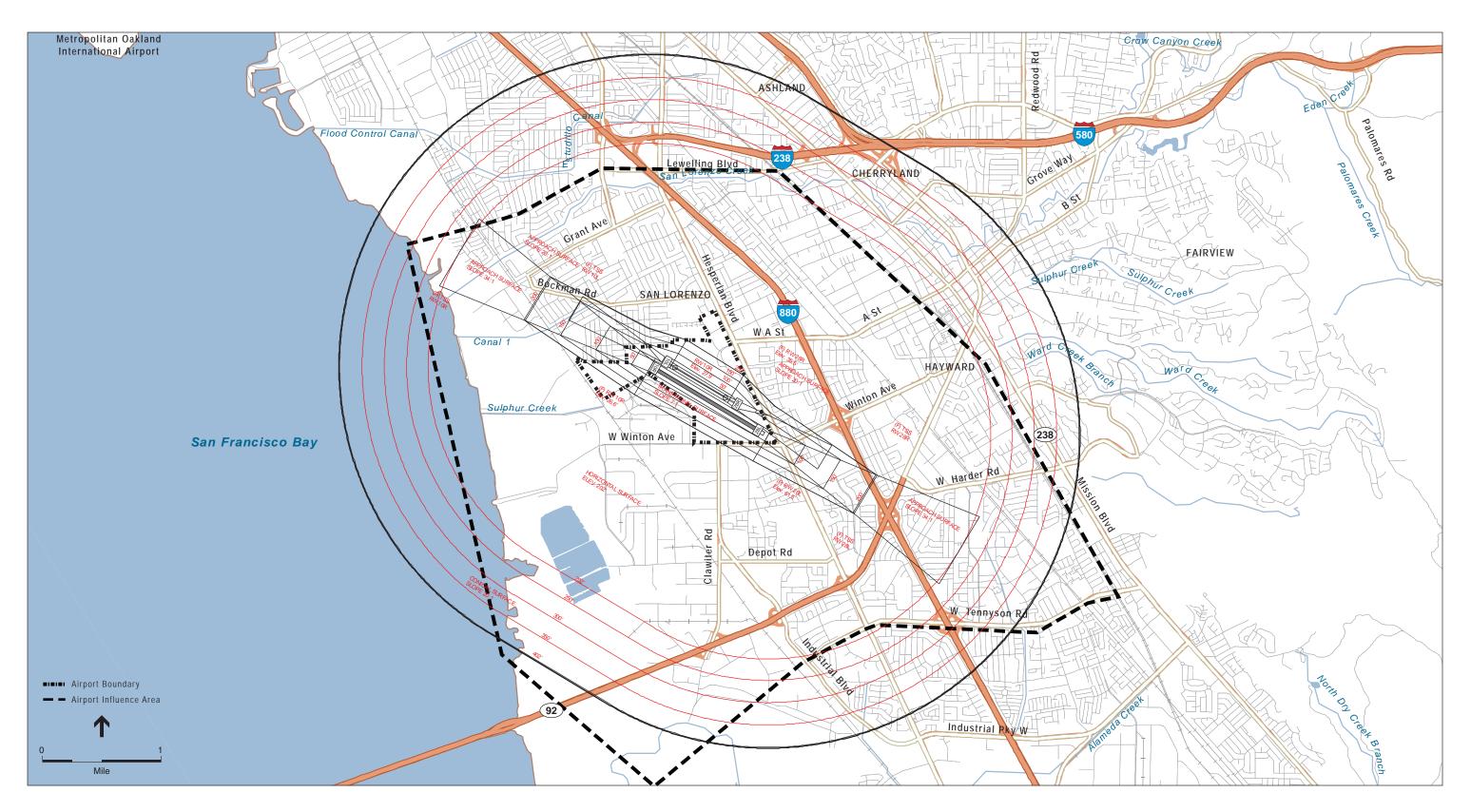
SOURCE: ESA Airports, 2010; California Airport Land Use Planning Handbook, 2000; ESRI

Hayward Executive Airport Land Use Compatibility Plan . 202229 Figure 3-3 HWD Noise Compatibility Zones



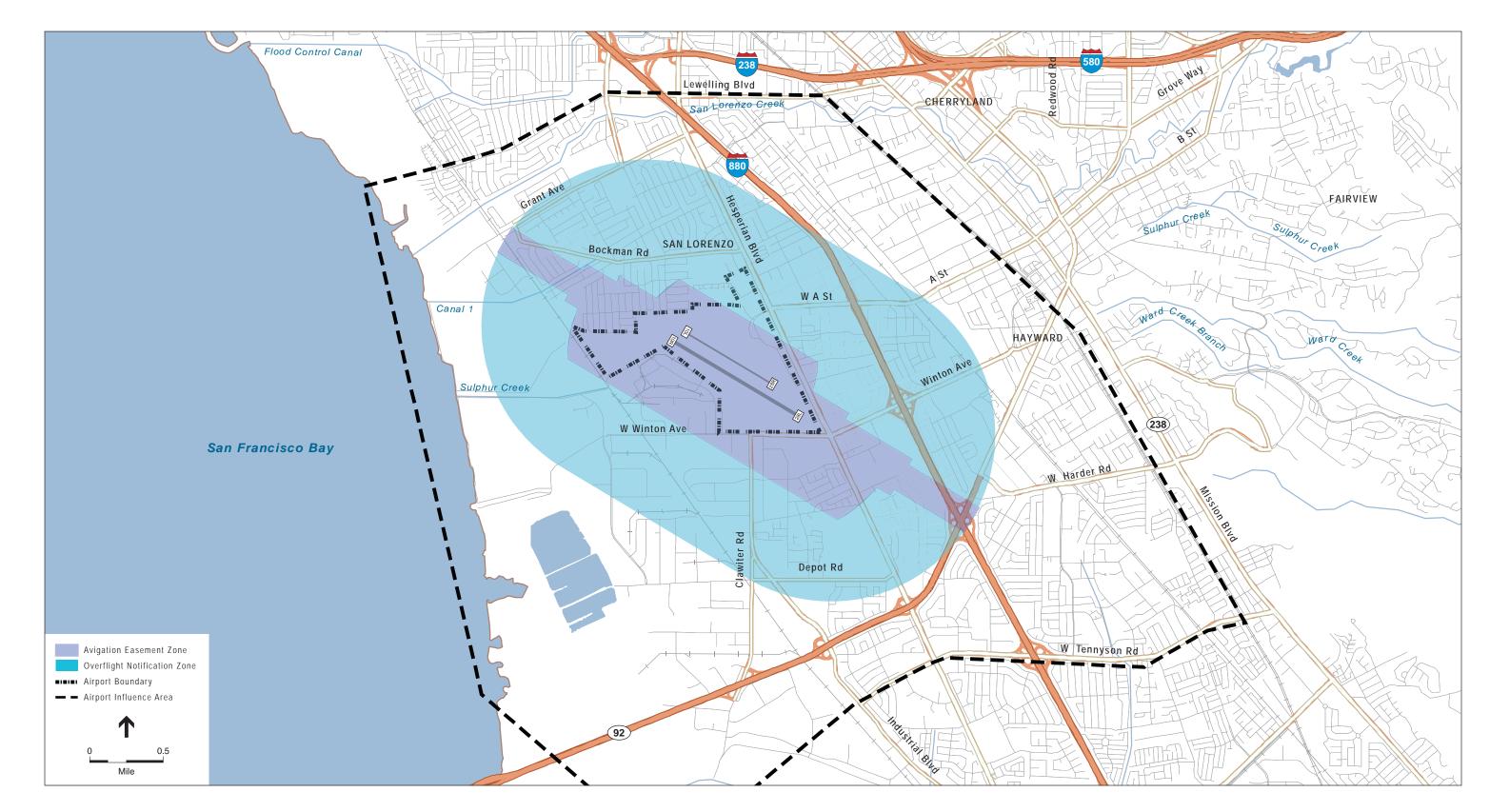
SOURCE: ESA Airports, 2010; California Airport Land Use Planning Handbook, 2000; ESRI

Hayward Executive Airport Land Use Compatibility Plan . 202229 Figure 3-4 HWD Safety Compatibility Zones



SOURCE: ESA Airports, ESRI, City of Hayward GIS Department, Hayward Executive Airport Layout Plan, 2000

- Hayward Executive Airport Land Use Compatibility Plan . 202229 Figure 3-5 HWD FAR Part 77 Surfaces



- Hayward Executive Airport Land Use Compatibility Plan . 202229 Figure 3-6 HWD Overflight Compatibility Zones