Land-Based Classification Standards

Introduction to LBCS Tables

Land-Based Classification Standards provide a consistent model for classifying land uses based on their characteristics. The model extends the notion of classifying land uses by refining traditional categories into multiple dimensions, such as activities, functions, building types, site development character, and ownership constraints. Each dimension has its own set of categories and subcategories for classifying land uses. By classifying every land-use across multiple dimensions, users can have precise control of land-use classifications.

Classifying land uses across multiple dimensions, in database terms, means adding new fields to the land-use database. The total number of land-use fields in the database should equal the number of dimensions. That is, every record in the database is classified in not just one land-use field, but several—one for each dimension. And the number of dimensions, in turn, will depend on the purpose of the data. When the purpose of the data changes, dimensions maybe added or dropped as needed. For local planning purposes, LBCS calls for classifying land uses in the following dimensions: activity, function, structure type, site development character, and ownership.

Activity An observable characteristic of land based on actual use.

Activity refers to the actual use of land based on its observable characteristics. It describes what actually takes place in physical or observable terms (e.g., farming, shopping, manufacturing, vehicular movement, etc.). An office activity, for example, refers only to the physical activity on the premises, which could apply equally to a law firm, a nonprofit institution, a court house, a corporate office, or any other office use. Similarly, residential uses in single-family dwellings, multifamily structures, manufactured houses, or any other type of building, would all be classified as residential activity.

Function The economic use or type of establishment using the land.

Function refers to the economic function or type of establishment using the land. Every land-use can be characterized by the type of establishment it serves. Land-use terms, such as agricultural, commercial, industrial, relate to establishments. The type of economic function served by the land-use gets classified in this dimension; it is independent of actual activity on the land. Establishments can have a variety of activities on their premises, yet serve a single function. For example, two parcels are said to be in the same functional category if they serve the same establishment, even if one is an office building and the other is a factory.

Structure Type of structure or building type on the land.

Structure refers to the type of structure or building on the land. Land-use terms embody a structural or building characteristic, which indicates the utility of the space (in a building) or land (when there is no building). Land-use terms, such as single-family house, office building, warehouse, hospital building, or highway, also describe structural characteristic. Although many activities and functions are closely associated with

certain structures, it is not always so. Many buildings are often adapted for uses other than its original use. For instance, a single-family residential structure may be used as an office.

Site The overall physical site development character of the land.

Site development character refers to the overall physical development character of the land. It describes "what is on the land" in general physical terms. For most land uses, it is simply expressed in terms of whether the site is developed or not. But not all sites without observable development can be treated as undeveloped. Land uses, such as parks and open spaces, which often have a complex mix of activities, functions, and structures on them, need categories independent of other dimensions. This dimension uses categories that describe the overall site development characteristics.

Ownership Legal and quasi-legal ownership constraints of the land.

Ownership refers to the relationship between the use and its land rights. Since the function of most land uses is either public or private and not both, distinguising ownership characteristics seems obvious. However, relying solely on the functional character may obscure such uses as private parks, public theaters, private stadiums, private prisons, and mixed public and private ownership. Moreover, easements and similar legal devices also limit or constrain land-use activities and functions. This dimension allows classifying such ownership characteristics more accurately.

The underlying principle of the LBCS model is its flexibility. Flexibility in adapting the model to a variety of planning applications, data collection methods, data sharing and integrating methods, color coding land uses, adding new land uses, measuring new characteristics for existing uses, or customizing for local needs without losing the ability to share data. Each of these aspects of LBCS call for applying either a standard or adopting an existing convention.

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LBCS Color Codes for 1-Digit Level Coding

Red, Green, Blue Values	Color*	LBCS Code	Activity
RGB(255,255,0) RGBHex(FF00FF)	yellow	1000	Residential activities
RGB(255,0,0) RGBHex(FF0000)	red	2000	Shopping, business, or trade activities
RGB(160,32,240) RGBHex(A0F020)	purple	3000	Industrial, manufacturing, and wasterelated activities
RGB(0,0,255) RGBHex(00FF00)	blue	4000	Social, institutional, or infrastructure- related activities
RGB(190,190,190) RGBHex(BEBEBE)	gray	5000	Travel or movement activities
RGB(47,79,79) RGBHex(2F4F4F)	dark slate gray	6000	Mass assembly of people
RGB(144,238,144) RGBHex(9090EE)	light green	7000	Leisure activities
RGB(34,139,34) RGBHex(22228B)	forest green	8000	Natural resources-related activities
RGB(255,255,255) RGBHex(FFFFFF)	white	9000	No human activity or unclassifiable activity

^{*}Specify the RGB (red, green, blue) values, instead of relying on color names, for consistent reproduction of colors on a printer, plotter, or computer screen. Using RGB values can sometimes avoid differences in how software and hardware render colors. Some colors, no matter what, differ how they look on screen from their printed version. Also, if you are reviewing this document on a computer screen, note that some software (web browsers, for example) limit the number of colors displayed. If your software can only accept hexadecimal values, as many GIS and plotting software do, then use the corresponding RGBHex value. For CMYK values and other color coding details, check the LBCS website.

Land-Based Classification Standards

LBCS Activity Dimension

Activity is one of five dimensions in land-based classifications. Each dimension is an attribute that takes the appropriate four-digit code. Only by using all five dimensions can one fully represent all land uses and describe their characteristics. See the other dimensions before applying LBCS.

Activity Code	Activity Description 01-Apr-2001
1000	Residential activities
1100	Household activities
1200	Transient living
1300	Institutional living
2000	Shopping, business, or trade activities
2100	Shopping
2110	Goods-oriented shopping
2120	Service-oriented shopping
2200	Restaurant-type activity
2210	Restaurant-type activity with drive-through
2300	Office activities
2310	Office activities with high turnover of people
2320	Office activities with high turnover of automobiles
3000	Industrial, manufacturing, and waste-related activities
3100	Plant, factory, or heavy goods storage or handling activities
3110	Primarily plant or factory-type activities
3120	Primarily goods storage or handling activities
3200	Solid waste management activities
3210	Solid waste collection and storage
3220	Landfilling or dumping
3230	Waste processing or recycling
3300	Construction activities (grading, digging, etc.)
4000	Social, institutional, or infrastructure-related activities
4100	School or library activities
4110	Classroom-type activities
4120	Training or instructional activities outside classrooms
4130	Other instructional activities including those that occur in libraries
4200	Emergency response or public-safety-related activities
4210	Fire and rescue-related activities
4220	Police, security, and protection-related activities
4230	Emergency or disaster-response-related activities
4300	Activities associated with utilities (water, sewer, power, etc.)
4310	Water-supply-related activities
4311	Water storing, pumping, or piping
4312	Water purification and filtration activities
4313	Irrigation water storage and distribution activities
4314	Flood control, dams, and other large irrigation activities

Activity Code	Activity Description 01-Apr-2001
4320	Sewer-related control, monitor, or distribution activities
4321	Sewage storing, pumping, or piping
4322	Sewer treatment and processing
4330	Power generation, control, monitor, or distribution activities
4331	Power transmission lines or control activities
4332	Power generation, storage, or processing activities
4340	Telecommunications-related control, monitor, or distribution activities
4350	Natural gas or fuels-related control, monitor, or distribution activities
4400	Mass storage, inactive
4410	Water storage
4420	Storage of natural gas, fuels, etc.
4430	Storage of chemical, nuclear, or other materials
4500	Health care, medical, or treatment activities
4600	Interment, cremation, or grave digging activities
4700	Military base activities
4710	Ordnance storage
4720	Range and test activities
5000	Travel or movement activities
5100	Pedestrian movement
5200	Vehicular movement
5210	Vehicular parking, storage, etc.
5220	Drive-in, drive through, stop-n-go, etc.
5400	Trains or other rail movement
5410	Rail maintenance, storage, or related activities
5500	Sailing, boating, and other port, marine and water-based activities
5510	Boat mooring, docking, or servicing
5520	Port, ship-building, and related activities
5600	Aircraft takeoff, landing, taxiing, and parking
5700	Spacecraft launching and related activities
6000	Mass assembly of people
6100	Passenger assembly
6200	Spectator sports assembly
6300	Movies, concerts, or entertainment shows
6400	Gatherings at fairs and exhibitions
6500	Mass training, drills, etc.
6600	Social, cultural, or religious assembly
6700	Gatherings at galleries, museums, aquariums, zoological parks, etc.
6800	Historical or cultural celebrations, parades, reenactments, etc.
7000	Leisure activities
7100	Active leisure sports and related activities
7110	Running, jogging, bicycling, aerobics, exercising, etc.
7120	Equestrian sporting activities
7130	Hockey, ice skating, etc.
7140	Skiing, snowboarding, etc.
7150	Automobile and motorbike racing

Activity Code	Activity Description 01-Apr-2001
7160	Golf
7180	Tennis
7190	Track and field, team sports (baseball, basketball, etc.), or other sports
7200	Passive leisure activity
7210	Camping
7220	Gambling
7230	Hunting
7240	Promenading and other activities in parks
7250	Shooting
7260	Trapping
7300	Flying or air-related sports
7400	Water sports and related leisure activities
7410	Boating, sailing, etc.
7420	Canoeing, kayaking, etc.
7430	Swimming, diving, etc.
7440	Fishing, angling, etc.
7450	Scuba diving, snorkeling, etc.
7460	Water-skiing
8000	Natural resources-related activities
8100	Farming, tilling, plowing, harvesting, or related activities
8200	Livestock related activities
8300	Pasturing, grazing, etc.
8400 8500	Logging Overwing england outling
8600	Quarrying or stone cutting Mining including surface and subsurface strip mining
8700	Drilling, dredging, etc.
9000	No human activity or unclassifiable activity
9100	Not applicable to this dimension
9200	Unclassifiable activity
9300	Subsurface activity
9900	To be determined
9990	To be determined
9999	To be determined To be determined
0000	10 be determined

Land-Based Classification Standards

LBCS Activity Dimension with Detail Descriptions

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An observable characteristic of land based on actual use. Activity

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Legal and quasi-legal ownership constraints of the land. **Ownership**

Ownership refers to the relationship between the use and its land rights. Since the function of most land uses is either public or private and not both, distinguising ownership characteristics seems obvious. However, relying solely on the functional character may obscure such uses as private parks, public theaters, private stadiums, private prisons, and mixed public and private ownership. Moreover, easements and similar legal devices also limit or constrain land-use activities and functions. This dimension allows classifying such ownership characteristics more accurately.

1000 Residential activities

Includes activities that occur in all types of residential uses, structures, ownership characteristics, or the character of the development.

1100 Household activities

Includes those activities normally associated with single-family, multifamily, town homes, manufactured homes, etc.

1200 Transient living

Activities associated with hotels, motels, tourist homes, bed and breakfast, etc. Note that the distinction between various residential activities is independent of the definition of a family.

1300 Institutional living

Residential living activity associated with dormitories, group homes, barracks, retirement homes, etc. These activities may occur in any number of structural types (single-family homes, multi-family homes, manufactured homes, etc.), but the activity characteristics of such living is not the same as the other subcategories under residential activities. Also note that the distinction between various residential activities is independent of the definition of a family.

2000 Shopping, business, or trade activities

This category captures all uses that are business related. Use it as a catch-all category for all retail, office, commercial, and industrial activities when the subcategories are either too specific or otherwise unknown (as in comprehensive plan designations).

2100 Shopping

Primarily for all retail shops and stores. If the shop sells both goods and services, or if it is not clear which of the two more detailed categories to assign, then use this one. Increasingly, distinguishing between a store (that sells goods) and shop (that sells service) will become difficult and for many planning-related applications even irrelevant. Even economic applications that employed such distinctions are reconsidering because of the difficulty in distinguishing between goods and services. However, for those planning applications that require this distinction, or for existing land-use data sets that already employ such distinctions, apply the subcategories. Otherwise, for routine land-use data classification, apply the Shopping category only.

2110 Goods-oriented shopping

Activities in stores that trade retail goods. The distinction is in the physical attributes of activities associated with goods (buying, selling, repairing, etc.) and not the type of goods.

2120 Service-oriented shopping

Those shops that primarily sell services on site. The distinction is in the physical attributes of activities associated with services, such as hairdressing. Business services, such as accounting, legal services, advertising, etc., belong

in the office category.

Restaurant-type activity

Eating, dining, and such activities associated with restaurants and other establishments that serve food, drink, and related products to be consumed on or off premises.

2210 Restaurant-type activity with drive-through

Eating, dining, and such activities associated with restaurants and other establishments that serve food, drink, and related products that may have seating but has drive-through facilities. Such activities, although commonly associated with fast-food restaurants, may also occur at restaurants and food establishments that do not serve fast food.

2300 Office activities

Typical office uses should be categorized here including those that are primarily office-use in character. Use this category as a catch-all designation for all office-type uses.

2310 Office activities with high turnover of people

Especially those that have counters for customer service, or waiting areas for customers or visitors. Use this category to indicate an activity characterized by a steady stream of people when such activity is part of normal operations of the office use.

Office activities with high turnover of automobiles

Typically associated with drive-through windows at banks, department of motor vehicles, and other businesses. Traditionally, these activities were associated with banks, post offices, and financial institutions, but they may also occur at other kinds of establishments.

3000 Industrial, manufacturing, and waste-related activities

All manufacturing, assembly, warehouse, and waste management activities. Use this as a catch-all category for anything not specified in subcategories below.

3100 Plant, factory, or heavy goods storage or handling activities

All industrial activities. Use this as a catch-all category for anything not specified in subcategories below.

3110 Primarily plant or factory-type activities

Assembly plants, manufacturing facilities, industrial machinery, etc.

3120 Primarily goods storage or handling activities

Characterized by loading and unloading goods at warehouses, large storage structures, movement of goods, shipping, and trucking. Includes self-storage activities.

3200 Solid waste management activities

Includes storing, collecting, dumping, waste processing, and other related operations.

3210 Solid waste collection and storage

Solid waste activities at source or intermediate locations, such as recycling centers. Use this category for large sites that have their own recycling areas where solid waste is separated or pretreated. Solid waste includes demolition waste, street sweepings, sewage sludge, industrial solids and sludges, agricultural manure, and crop wastes.

The term garbage refers to food waste portion of solid waste and refuse or trash refer to mixed solid wastes.

This category also includes activities associated with recycling (or refuse reclamation) and other related operations with landfilling.

3220 Landfilling or dumping

Activities that typically occur at landfills and resource recovery facilities. Also useful to mark those areas not necessarily identified as landfills, but used as dumps. The term sanitary landfill is sometimes used to differentiate public landfills from others.

3230 Waste processing or recycling

Activities normally associated with incinerators, recycling facilities, resource recovery facilities, etc.

3300 Construction activities (grading, digging, etc.)

During the construction stage of a development, especially if it is a large-scale one and is a multiyear project, the characteristics of the use is quite different from what it may eventually become. When local plans need to track such activities, use this category. Once completed, the activity code should reflect its actual use.

4000 Social, institutional, or infrastructure-related activities

Use this category for all institutional activities. This broad category may also be used for land-use designations in comprehensive and general plans.

4100 School or library activities

Mainly those associated with educational, instructional, or teaching activities. Administrative functions, especially those where school board or administrative offices are located, should be assigned office categories. Likewise, sports, school-bus parking, or maintenance activities should be assigned appropriate categories. But if the data being classified is generalizing over large areas, then use this category.

4110 Classroom-type activities

Those that occur in school buildings, lecture rooms, etc. This category may include other related activities only if the data is being generalized and the

Activity

IVILV CUUE AC	tivity Description 01-Apr-20 0
	predominant activities are classroom-type instructions.
4120	Training or instructional activities outside classrooms
	Driving, flying, or other instructional activities that occur outside a typical school building.
4130	Other instructional activities including those that occur in libraries Include all other instructional activities here.
4200	
4200	Emergency response or public-safety-related activities Broad category to group all fire, police, rescue, EMS, and other public safet activities. Use this category for joint or co-located facilities if the application needs a single activity code.
4210	Fire and rescue-related activities
	The classic example is a fire station with fire trucks in standard bays with associated training, resting, office, and equipment storing activities on the site. Use this category for sites that do not necessarily look like a fire station but serve the same purpose (e.g., on-site fire and rescue stations for large-scale developments).
4220	Police, security, and protection-related activities
	Policing and police-related activities that typically occur in a police station. also includes community policing centers located in neighborhoods, which may occupy store-front locations.
4230	Emergency or disaster-response-related activities
	Many look like a typical office building but are distinct in the operations in them. Often they have the 911 emergency center, disaster coordination facilities, and essential communication facilities for disaster recovery and response. Note that this category is not for coding schools and other community facilities used in disaster recovery operations.
4300	Activities associated with utilities (water, sewer, power, etc.)
1000	Group all utilities: water, sewer, power, gas, etc.
4310	Water-supply-related activities Category for water supply-related, including irrigation-related activities. Use this category for any activity associated with water supply.
4311	Water storing, pumping, or piping
	Activities primarily associated with linear features, such as pipelines, water channels, etc., located in easements and point features, such as air vents, pumping stations, piping junctions, etc., that may or may not be located in easements.
4312	Water purification and filtration activities

Activity Code Activit	v Description 01-Apr-2001
Activity code Activit	character. This category should also include all the related activities associated with a water purification and filtration facility, such as water storage, water pumping, etc.
4313	Irrigation water storage and distribution activities
	This category includes activities associated with urban and rural water distribution systems. Although not as common as the water purification plants, these activities are commonly associated with wells and reservoirs for water supply.
4314	Flood control, dams, and other large irrigation activities
	Associated with dams, reservoirs, and other large-scale storage and distribution of water. Primarily industrial in character, many such sites also host other activities, such as sightseeing, power generation, leisure activities, environmental monitoring, etc.
4320	Sewer-related control, monitor, or distribution activities
	This activity is characterized by sewer-related activities, such as pumping, piping, storing, treating, filtering, etc., whether urban or rural, private or public. Use this category for any activity associated with sewers.
4321	Sewage storing, pumping, or piping
	Activities primarily associated with linear features, such as pipelines, channels, etc., located in easements and point features, such as air vents, pumping stations, piping junctions, etc., that may or may not be in easements.
4322	Sewer treatment and processing
1022	Associated with sewer treatment plants, many of which appear industrial in character. This category also includes related activities associated with a sewer treatment and processing facility, such as storage, pumping, etc.
4330	Power generation, control, monitor, or distribution activities
	This activity is characterized by electrical power generation, control facilities, distribution centers, etc. Use this category for any activity associated with power supply and distribution.
4331	Power transmission lines or control activities
1001	Activities primarily associated with linear features, such as transmission lines, conduits, etc., located in easements and point features, such as air vents, pumping stations, piping junctions, etc., that may or may not be in easements.
4332	Power generation, storage, or processing activities
	Activities primarily associated with switching centers, transformer locations, and other power-related facilities that serve as storage or transit points in the distribution system.

Activity Code Act	, i
4340	Telecommunications-related control, monitor, or distribution activities
	Activities associated with telecommunications encompass communication tower facilities, antennae locations, repeater stations, and distribution centers.
4350	Natural gas or fuels-related control, monitor, or distribution activities
	Activities associated with natural gas encompass production facilities,
	distribution lines, and control and monitor stations.
4400	Mass storage, inactive
	Activities associated with large storage areas for water, fuels, waste, and other products where such storage is not associated with utilities. These facilities may be associated with a private or public establishment to serve functions not associated with utilities.
4410	Water storage
	Not related to utilities, but may be related to an industrial or commercial enterprise. This may include tanks, tank farms, open storage, etc., above or below ground.
4420	Storage of natural gas, fuels, etc.
	Not related to utilities, but may be related to an industrial or commercial
	enterprise. This may include tanks, tank farms, open storage, etc., above or below ground.
4430	Storage of chemical, nuclear, or other materials
	Not related to utilities, but may be related to an industrial or commercial enterprise. This may include tanks, tank farms, open storage, etc., above or below ground.
4500	Health care, medical, or treatment activities
	Activities in this category encompass those associated with clinics, hospitals, and other facilities that treat, house, or care for patients.
4600	Interment, cremation, or grave digging activities
	This category encompasses activities associated with cemeteries, cremation facilities, funeral homes, and the like.
4700	Military base activities
	Military bases are typically complex collection of activities that include a
	wide range of activities associated with military training, living and recreational facilities for military personnel, storage and maintenance
	facilities, and other related facilities.
4710	Ordnerse storage
4710	Ordnance storage Activities primarily associated with storing and moving of military ordnance.
	Activities primarily associated with storing and moving or mintary ordinance.
4720	Range and test activities
	These activities encompass large areas for range and test activities of arms,
	Activity

ammunitions, war games, and related military activities. Although such activities are part of a military base, identifying this special category is useful for planning around bases for land-use compatibility.

5000 Travel or movement activities

This category encompasses activities associated with all modes of transportation. It includes rights-of-way and such linear features associated with transportation.

5100 Pedestrian movement

Use this category for classifying pedestrian-only roads and open mall areas in road rights-of-way. Although comprehensive plans may not depend on such distinctions, many site plans and urban designs use them for circulation components of their plans.

5200 Vehicular movement

This is a catch-all category for all forms of automobile movement on roads, parking areas, drive-through facilities, etc. Use the subcategories to further distinguish them.

5210 Vehicular parking, storage, etc.

Activities associated with parking or storing of automobiles.

5220 Drive-in, drive through, stop-n-go, etc.

Activities associated with serving customers in their automobiles from a fixed location, such as a drive-through window. Assign this code to those uses that have drive-through window facilities. This also includes activities associated with car washes and such where the customers drive through specialized facilities.

5400 Trains or other rail movement

Includes activities associated with movement of rails and other vehicles on railroads. It includes activities associated with rail maintenance, storage, and rights-of-way for railroads.

Rail maintenance, storage, or related activities

Use this category for identifying rail maintenance and storage activities, which are industrial in character, from rail movement and railroad rights-of-way. This category also includes railroad switching activities.

Sailing, boating, and other port, marine and water-based activities

This category includes activities associated with water and marine based travel, movement, and their related activities. Use the subcategories to distinguish areas of marine movement from marine storage activities.

Boat mooring, docking, or servicing

Use this subcategory for activities associated with docks and marinas where boats and ships are anchored, moored, or serviced.

Activity Code Activity Description

01-Apr-2001

5520

Port, ship-building, and related activities

These activities include a complex collection of shipping, storing, repairing and other similar activities that are industrial in nature. Passenger terminals are not included in this category.

5600 Aircraft takeoff, landing, taxiing, and parking

These activities encompass all aspects of air travel and transportation that occur at ground facilities, such as airports, hangars, and similar facilities. Passenger terminals are not included in this category.

5700 Spacecraft launching and related activities

These activities include space vehicle control, storage, movement, and viewing areas. Although they appear similar to air transportation facilities, spacecraft related activities entail several other activities.

6000 Mass assembly of people

This is a catch-all category for activities associated with mass assembly of people for either transportation, spectator sports, entertainment, or other social and institutional reasons. Use the subcategories to further classify the type of mass assembly.

6100 Passenger assembly

This category is for activities primarily associated with bus, train, and airport terminals.

6200 Spectator sports assembly

Spectator sports assembly may occur in stadiums, open grounds, or other venues occasionally used for such purposes. Identifying such activities may be required for public safety related applications.

6300 Movies, concerts, or entertainment shows

Besides performance viewing, this category also includes related activities associated with such performances: food and souvenir vending, purchasing tickets, and related activities. This category also includes mass assembly at theaters and planetariums.

6400 Gatherings at fairs and exhibitions

Mass assembly of people at fairs and exhibitions includes activities associated with food and souvenir vending, purchasing tickets, and related activities. This category also includes activities associated with entertainment shows, park rides, etc., at fairs.

6500 Mass training, drills, etc.

Includes activities in parade grounds and drill fields associated with institutions.

6600 Social, cultural, or religious assembly

Use this category for mass assembly of people for social (eg., city hall),

Activity

cultural (eg., parades), or religious (eg. churches) purposes. It also includes large outdoor ceremonies for religious, cultural, or other purposes. Although such activities may occur infrequently and may not involve any functional or structural characteristics (for example a spontaneous gathering that occurs on an annual basis on a hilltop), identifying where mass assembling of people occurs is essential for many planning applications. Use this category to capture such use information. Often this may mean assigning a mass assembly category to areas that alread have other activity categories assigned. Apply this category when other more specific mass assembly categories are inappropriate.

6700 Gatherings at galleries, museums, aquariums, zoological parks, etc.

Public assembly gatherings at galleries, museums, aquariums, zoological parks, and similar exhibition services are characterized by a steady stream of people as opposed to mass congregation of viewers at movie theaters and such. Although the distinction may not be significant, certain public assembly activities require this information separate from other kinds of gatherings in planning for public safety.

6800 Historical or cultural celebrations, parades, reenactments, etc.

These are usually annual gatherings, parades, and cultural celebrations that may involve shows, amusement park-like assembly of people, and selling food, drink and souvenirs.

7000 Leisure activities

This is a catch-all category for classifying all forms of leisure activities. It includes the customary active and passive kinds of leisure activities although such distinctions are difficult to define. Although LBCS provides active and passive subcategories, for new data classification purposes either apply this category (for top level coding) or identify the precise nature of activities (which are at the third-level coding).

7100 Active leisure sports and related activities

This category refers to an arbitrary second-level coding to accommodate existing data classified as either active or passive leisure activities. Although the distinction between active and passive are difficult to separate, use this category only if more precise lower-level categories are combined in existing data. For new data classification purposes either apply this category (for top level coding) or identify the precise nature of activities (which are at the third-level coding).

Running, jogging, bicycling, aerobics, exercising, etc.

Although these activities are normally associated with bike paths, jogging trails, sidewalks, and such facilities, they also include the kinds that happen on athletic tracks and playgrounds. Exercising and aerobic activities include those that take place in health clubs and gymnasiums besides outdoor facilities.

7120 Equestrian sporting activities

This category is for all equestrian-related leisure activities including riding.

Activity

Activity Code Act	ivity Description	01-Apr-2001
,	•	mounting, horsemanship, and equestrian games, such as polo, hurdles, dressage training and show jumping. The related categories include those incidental to maintaining stables, feeding, caring, and housing horses.
7130	· ·	ice skating, etc. This is a broad category to include activities normally associated with ice rinks and skating on ice. Hockey and other sports on ice are also included in
7140	Skiing, sı	this category. nowboarding, etc.
	G	This is a broad category that includes leisure sport activities on snow: skiing, luge, bobsled, toboggan.
7150	Automo	bile and motorbike racing
		This is a broad category to include the myriad forms of vehicular sports including automobile racing, dirt racing, motorcycle racing, and other cross-country type events.
7160	Golf	
		Includes other leisure activities, such as pall-mall, tipcart, croquet, golf, curling, and pall one besides golf.
7180	Tennis	
		Because of its unique site development characteristic, traditionally lawn tennis (as opposed to table tennis) has been classified distinct from other sporting activities. It also includes related sports, such as racquet ball.
7190		d field, team sports (baseball, basketball, etc.), or other sports This includes activities associated with playing baseball, basketball, and other related games.
7200	Passive leisu	re activity
		This category refers to an arbitrary second-level coding to accommodate existing data classified as either active or passive leisure activities. Although the distinction between active and passive are difficult to separate, use this category only if more precise lower-level categories are combined in existing data. For new data classification purposes either apply this category (for top level coding) or identify the precise nature of activities (which are at the third-level coding).
7210	Camping	,
		Camping is a broad category that includes parts of activities associated with of shelter, recreation, and other related activities, such as hunting, fishing, sailing, atc. The designation applies to only those camping areas and camp

Gambling

Casinos normally host gambling, wagering, and those establishments that serve the gaming aspects of leisure activities. However, many other types of

sailing, etc. The designation applies to only those camping areas and camp grounds where camps are allowed.

Activity

7220

A ativity Cada	Activity Description of Aug 9001
Activity code	Activity Description establishments also provide slot machines, and other gambling and gaming facilities (shopping centers in Las Vegas, for instance).
7230	Hunting
	Hunting activities include live and also clay pigeon and skeet shooting.
7240	Promenading and other activities in parks This is a catch-all category for all other areas of parks and recreational areas that do not qualify under any of the other more specific categories.
7250	Shooting
7260	Trapping
7300	Flying or air-related sports
7400	Water sports and related leisure activities
7410	Boating, sailing, etc.
7420	Canoeing, kayaking, etc.
7430	Swimming, diving, etc. Includes activities associated with lifeguard services and other related activities.
7440	Fishing, angling, etc.
7450	Scuba diving, snorkeling, etc.
7460	Water-skiing
8000	Natural resources-related activities
8100	Farming, tilling, plowing, harvesting, or related activities Agricultural activities, such as farming, plowing, tilling, cropping, seeding, cultivating, and harvesting for the production of food and fiber products. Also includes sod production, nurseries, orchards, and Christmas tree plantations. Excludes forest logging and timber-harvesting operations.
8200	Livestock related activities
	Activities associated with feeding and raising of livestock in pens and confined structures.
8300	Pasturing, grazing, etc.
	Activities normally associated with feeding and grazing in open ranges.

Activity Code Activity Description 01-Apr-2001 Logging Activities normally associated with forestry. **8500 Quarrying or stone cutting** Includes activities normally associated with borrow pits. 8600 Mining including surface and subsurface strip mining Includes crushing, screening, washing, and flotation activities. Beneficiating is another common term used to describe such activities. 8700 **Drilling, dredging, etc.** Includes activities normally associated with on and off-shore drilling for oil and natural gas operations, dredging for beach control, expanding waterways, and cleaning of canals or channels. 9000 No human activity or unclassifiable activity May also be used as a placeholder for areas of no habitation (desert areas, for example). 9100 Not applicable to this dimension Use this code as a permanent code for those records that will never be classified in this dimension. It is normal for land-use databases to have records that may never be classified and be left blank instead. But LBCS recommends that all records have a code because some computer applications may not be able handle blank entries (null values in database terminology). 9200 **Unclassifiable activity** Use this category as a temporary placeholder for activities that cannot be grouped anywhere until the classification scheme is updated. Check the LBCS web site to see how others have dealt with such unique activities before revising the classification scheme. **Subsurface activity** 9300 Use this category for activities that occur below the surface that are of no interest to the applications that will use this data set and assigning one of the unknown categories may be inappropriate. 9900 To be determined Use this code as a placeholder until an appropriate code can be assigned. It is normal for land-use databases to have records that may never be classified and left blank instead. But LBCS recommends that all records have

This code could also be used as the default value for data-entry work. The subcategories serve the same purpose for other coding levels.

a code because some computer applications may not be able handle blank

entries (null values in database terminology).

Activity Code Activity Description

01-Apr-2001

9990 To be determined

9999 To be determined