I. Introduction: Why Plan for Animal Issues During a Disaster?

From 1993-1998, there have been at least nine major disasters in the State of California, including three major floods, three fires, two winter storms, and one major earthquake.¹ In disasters, the first priority is to the protection of life, property, and the environment.² Unfortunately, in the past, this has not included a coordinated response for the evacuation, care, and sheltering of animals. Almost twenty million California households own pets.³ Although the protection of human life is the highest priority in emergency response, recent disasters and follow-up research have shown that proper preparation and effective coordination of animal issues enhances the ability of emergency personnel to protect both human and animal health and safety. It is much more efficient, effective, and inexpensive to develop plans to address animal issues prior to an incident than during one. The following issues highlight why animal preparedness is necessary:

A. Refusal to Evacuate and Early Return to Unsafe Areas

Since human evacuation shelters do not allow pets in facilities, pet owners requiring sheltering must choose between deserting their animals, refusing to evacuate, or evacuating their animals to a pre-determined site. Without advanced planning, this can be a difficult decision. Farmers and ranchers who depend upon animals for their livelihood are often unwilling to leave their animals unsupervised in the event of a disaster. Some key facts to consider are:

- Up to 25% of pet owners will fail to evacuate because of their animals; this represents 5-10% of the total population directed to evacuate.⁴
- 30-50% of pet owners will leave pets behind, even with advance notice of evacuation.⁴
- Approximately 50-70% of people leaving animals behind will attempt to reenter a secure site to rescue their animals; this represents 5-15% of the total population directed to evacuate.⁴

The 10-25% of individuals who refuse to evacuate, or attempt to return to the evacuated areas because of their animals, risk injury, exposure to hazardous materials, and their own lives, as well as those of emergency response personnel who must rescue them. The most effective and efficient way to minimize human and animal health and safety risks is for individuals and responding agencies to be properly prepared to address animal issues well in advance of a disaster.

¹ Office of Emergency Services, News Release, December 31, 1997.

 ² Office of Emergency Services Planning Section, <u>State of California Emergency Plan</u>. Sacramento, CA , May 1998, pp 4.
 ³ Calculated from:

American Veterinary Medical Association.
 U.S. Pet Ownership and Demographics Sourcebook, Center

 for Information Management.
 Schamburg, IL.
 1997.

State of California, Department of Finance, <u>Historical City/County Population Estimates 1991-1998</u>, with <u>1990 Census Counts</u>. Sacramento, CA, May 1998.

⁴ Numbers quoted are from personal communication with Sebastian Health, DVM; Purdue University. These numbers reflect studies of three incidents: Oakland, CA firestorm (1991, 1273 pets), Weyauwega, WI train derailment (1996, 241 surveys), and Marysville, CA floods (1997, 397 surveys).

B. Public Health and Safety Risks Caused by Animals at Large

Animals that are not cared for by their owners during a disaster may become a public health and safety risk. Loose and displaced animals are possible carriers of disease (such as rabies and plague) and can become a nuisance or danger to people. Animals "at large" are the responsibility of local animal control officials.

C. Public Health and Safety Risks Caused by Animal Carcasses

Another public health and safety risk is the presence of animal carcasses. Decaying carcasses can contaminate water sources or lead to outbreaks of diseases such as cholera or anthrax. Better planning in the 1997 Yuba County floods could have prevented a situation in which 218 dairy cows drowned. This created substantial cleanup costs for the county and delayed residents' return to their homes.⁵ Timely carcass removal is critical. The methods for environmentally acceptable disposal of animal carcasses are limited, and become particularly difficult and expensive when there are many large animal carcasses.

D. Economic Considerations

California has the largest agricultural economy of any state in the nation, valued at \$26.8 billion in 1997. Some of the state's largest agricultural products are of animal origin. Dairy products are the top agricultural commodity in the state valued, at \$3.6 billion in 1997; cattle and calves are the fourth largest, valued at \$1.3 billion in 1997. The California livestock and poultry industry together accounted for \$6.3 billion in 1997.⁶ The loss of production animals due to a disaster can result in major economic loss to individual farmers and ranchers as well as local and state economies. For specific information about animal based agricultural production in your county, talk to your County Agricultural Commissioner, or see the California Department of Food and Agriculture's (CDFA) <u>California Agricultural Resource Directory</u>. Copies can be ordered through the CDFA website at *www.cdfa.ca.gov*.

E. Public Relations Considerations

Society views animals as dependent upon human care and support. Many pets are considered integral parts of families. Animals and animal issues attract media attention. This is particularly true during a disaster. Media involvement in the rescue of "Rodeo," a border collie stranded in the 1997 floods, brought intense media coverage to these issues. Public concern and support for animals during the disaster was so high that more money and supplies were donated to care for animals than for people.⁷ The failure to deal with animal issues in disasters not only results in utilizing more

⁵ "Floods of '97: Meet the Veterinary Coordinators in Those Counties Hardest Hit by the Floods." California Veterinarian. March-April 1997. pp. 19.

California Veterinarian. March-April 1997. pp. 19. ⁶ Agricultural economic information published on CDFA's website at: www.cdfa.ca.gov

⁷ Personal communication with American Red Cross officials.

resources and placing additional human lives at risk, but can result in significant public outcry and negative media coverage.

F. Control of Self-Responders and Misuse of Donations

Experience has shown that when animals are impacted by disasters, a large number of self-responders will arrive to address the situation. These well-meaning, but untrained and emotionally driven individuals, can be very disruptive and create many law enforcement challenges. Additionally, these situations may encourage the arrival of "rescue groups." Some of these groups are well-trained and helpful, and some are not. In 1997, there were serious problems with misappropriation of collected donations and inappropriate disposition of animals linked to some of these groups. Effective control of self-responding individuals and rescue groups is critical. This can occur only when a well-coordinated official response is in place. A county animal plan allows for appropriate identification and utilization of all available resources within the structure of the county animal response plan. This will minimize the intrusion of untrained and unsolicited volunteers in a crisis situation.

II. How to Use this Guide

Preparation, planning, and practice are the keys to successful disaster response. California's diverse landscape and population (human and animal) presents unique challenges to emergency management. No single plan is adequate statewide. This is particularly true of animal issues. This planning guide is intended to provide county agencies involved in disaster planning for animals with a comprehensive outline for addressing animal issues during disasters.

The CDFA developed this guide after reviewing animal disaster planning resources from other states, counties, and voluntary organizations. Efforts have been made to incorporate information into a format consistent with California's Standardized Emergency Management System (SEMS). This guide outlines organizations and individuals who should be involved in the planning process, local factors that should be considered, and planning issues at each emergency management phase (preparation, response, recovery, and mitigation). After evaluating needs and resources, each county can decide which sections of this guide will be needed to develop an individual county plan appropriate to their area.

The appendix includes sample surveys and forms to be used for identifying and organizing county resources. These forms can be copied and used directly or tailored to fit your specific needs.

III. The County's Role

A. Integrating an Animal Plan into Your Operational Area (OA) Emergency Response Plan

Animal issues, like all other disaster response activities, must be a part of your Operational Area (OA) Emergency Response Plan. For a county to be eligible for State disaster aid, they must use (SEMS) to respond; this is the same for animal issues. An organized plan will allow your county to effectively prevent and respond to animal issues during a disaster, organize local resources, facilitate mutual aid activities relating to animal issues, and utilize broader regional and state resources. Ultimately, the county animal response plan should be adopted as an annex to the OA Emergency Response Plan. A "single point of contact," the County Animal Coordinator, will be part of the County Emergency Operations Center (EOC). Once developed, a county's Standard Operating Procedures (SOPs) will outline preparation, response, and recovery activities for animal issues.

B. The Role of the Counties in the California Animal Response in Emergency System (CARES)

California Animal Response in Emergency System (CARES) organizes state resources, in support of local government responding to animal issues, during a state level emergency in accordance with SEMS. During a disaster, if local resources are insufficient to meet existing needs, local government may request state assistance. When this assistance is requested; the Governor's Office of Emergency Services (OES) will activate CARES, with CDFA as the lead agency. The ability to respond effectively at the state level largely depends upon planning accomplished within each OA prior to a disaster. Since the majority of volunteers, resources, and organization during a disaster originate in the local area, it is essential that counties and local agencies have animal response plans in place in order for CARES to function effectively. The CARES Plan is intended to facilitate mutual aid between counties.

IV. Definition of "Animal"

For the purposes of responding to animal issues during disasters, the CARES Committee defines "animals" as, "affected commercial livestock, companion animals, exhibition animals, captive wildlife, and exotic pets."⁸ This definition excludes non-captive wildlife. This is the definition that will be used for state level response activities. It is suggested that you use a similar definition in your county animal plan in order to eliminate confusion as to the types of animals rescue efforts will be directed towards.

V. Getting Started: Forming a Planning Committee

To develop a comprehensive and effective plan in your OA, it is important that as many stakeholders as possible be included in the process. Including a wide range

⁸ CARES Draft Plan, 1998. pp. 1.

of groups concerned about animal issues in the planning process will foster cooperation, understanding, and commitment to work within the plan in your OA. The following is a list of possible stakeholders; specific groups will vary by county:

A. Government Agencies

- County Emergency Services
- County Agricultural Commissioner
- County Health Department
- County and City Animal Control
- County and City Law Enforcement
- County and City Fire/Rescue
- County and City Parks and Recreation
- Solid Waste Management

B. Voluntary Organizations

- California Veterinary Medical Association (CVMA)
- Humane Societies
- Society for the Prevention of Cruelty to Animals (SPCA)
- Animal Welfare Groups
- School groups (4-H, FFA, Animal Science Clubs, etc.)
- Wildlife Rehabilitation Groups
- Local Food Banks
- Other Disaster Response Agencies (Red Cross, Salvation Army, etc.)
- Animal Clubs

C. Industry Groups

- ♣ Cattlemen, Dairy, or Equestrian Associations
- Farriers
- Animal Transporters
- Pet Food and Supply Businesses
- Commercial Animal Industries (breeders, stables, kennels, beef, dairy, and poultry producers, etc.)
- Horse Track Representatives
- Home Owner Associations for Rural Communities
- Utilities
- Local Zoos or Animal Parks
- Local Fair Organizations

VI. Local Issues to Consider in Developing Your Plan

A. Types of Disasters Likely in Your Area

You should do an inventory of the possible hazards in the OA and the specific areas most likely to be affected by each of these hazards. This may

already have been done as a part of the OA Emergency Response Plan. Keep in mind the following possibilities:

Earthquakes Floods Fires Landslides Volcanic Activity Railroad Accidents Oil/Chemical Spills Nuclear Accidents

B. Animal Population in Your Area

Knowing the population of animals in your area will help in planning the scope and type of disaster response planning needed in your OA. There are several ways to estimate the animal population in your area.

1. Household Pet Estimate

For a rough estimate, you can calculate the number of pets in your area by using the following tables and information:

Species	Percent of U.S. Households
	Owning Pets
All Pets	58.9
Dogs	31.6
Cats	27.3
Birds	4.6
Horses	1.5
Other Pets	10.7

Table 1: Frequency of Pet Ownership in the United States

Source: U.S. Pet Ownership and Demographics Sourcebook, Center for Information Management. American Veterinary Medical Association. Schaumburg, IL. 1997.

Table 2: Average Number of Animals per Household
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Species	Average Number
	of Pets per Pet-
	Owning

	Household
Dogs	1.69
Cats	2.19
Birds	2.74
Horses	2.67

Source: U.S. Pet Ownership and Demographics Sourcebook, Center for Information Management. American Veterinary Medical Association. Schaumburg, IL. 1997.

The number of households in your county can be found by looking at the demographics information in the California Department of Finance web page, *www.dof.ca.gov*.

2. Production Animal Estimate

The number of production animals, such as dairy and beef cattle, poultry, pigs, and sheep by county, can be found by contacting your County Agricultural Commissioner, or in the <u>California Agricultural</u> <u>Resource Directory</u> published by CDFA.

3. Survey Local Sources

The following is a list of possible sources that could be surveyed to make an estimate of the number of animals in your county.

- Dog and cat licenses
- Veterinary records
- Major producers (livestock, poultry)
- Industry groups
- Pet and feed store sales records
- Restricted species licenses from the California Department of Fish and Game (CDFG)

C. Location of Animal Populations in Your Area

It is important to identify where the majority of the animal population in your county is located. If your county is largely urban or suburban, this is probably the same area where most people live. If your county is largely rural, this is probably the location of large producers. Other sites such as kennels, racetracks, and zoos may also need special attention during a disaster. Because large animal transportation requires more equipment, effort, and time than small animal transport, special attention should be paid to these areas. Once you have located the highest concentrations of animals in your county, you should compare them to the areas most likely to be affected by specific disasters. If available, Geographical Information System (GIS) mapping techniques are particularly helpful in pinpointing potential trouble spots.

D. Location of Animal Resources in Your Area

It is important to pinpoint the location of resources needed for animal survival during a disaster. Resources include things such as: food, water, shelter and confinement areas, transportation, and volunteers. If any of the resources you identify are likely to be cut off during a disaster, consider an alternate resource base. Also, look at how disasters may affect access to these resources by volunteers and evacuees.

E. Liability Issues

When developing a county animal plan, there are various areas where liability issues may arise. You should consult with your county council and county OES office regarding exposure to risk and statutes that cover emergency activities, animal issues, and lost or abandoned property.

1. Releases

You may consider the use of release statements on some of the recommended documents in the Appendices of this Guide. A sample release developed by the Humane Society of the United States (HSUS) is included in Appendix A.

2. Volunteer Workers

All volunteers involved in your county animal disaster response should be Registered Disaster Service Workers. For additional information on volunteer workers, see Section VII, Part B.6 of this guide.

VII. Preparation

A. Identifying a County Animal Coordinator

The County Animal Coordinator is the individual who will act as the single point of contact on animal issues in the OA. This person will staff the EOC for the OA during a disaster. This individual should be trained in SEMS and the Response Information Management System (RIMS) and should be knowledgeable in local animal issues and in the local animal response plan. This person may be a local animal control official, County Agricultural Commissioner, or other county designee. In order to select the best individual for this position, consider:

- What are the responsibilities of this position?
- Will the local emergency service agency have current and reliable contact information for this person?
- Who is the alternate County Animal Coordinator?
- What training do these individuals need?

B. Identification of Resources

The preparation stage of disaster response allows local groups to plan response activities before a disaster occurs. The most important part of this is identifying local resources available. Following are lists of resources that should be identified prior to a disaster:

- 1. Animal Confinement and Shelter Facilities
 - a. <u>Small Animal</u> Kennels/boarding facilities Animal Control facilities Wildlife rehabilitation centers SPCA/Humane organizations Local fairgrounds Veterinary clinics
 - b. <u>Large Animal</u> Local fairgrounds Stables or racetracks Local FFA or 4-H groups Saleyards or auctions Railroad holding areas Rodeo arenas Local educational institutions Producers/ranchers/private individuals
- 2. Animal Food Sources
 - a. <u>Small Animal</u> Pet stores Food banks Grocery stores Kennels Breeders
 - b. <u>Large Animal</u> Feed stores Hay brokers Local boarding and breeding facilities Ranchers/private individuals

3. Animal Water Sources

The availability of safe and accessible water will largely depend upon the location of the sheltering facilities in your area. When identifying shelters you should check on the water sources at the facility. If you are concerned about water quality or contaminated water at a particular site, check with the County Department of Health. In an emergency, water may need to be treated with chlorine or other chemicals before use.

4. Supplies

The following is a suggested list of supplies to locate and/or obtain for animal care and sheltering.

a. Non-Medical Animal Care Supplies

i.

ii.

- <u>Small Animals</u> Pet carriers Cat litter Collars Leashes Cages Shovels Food and water dishes Chlorine bleach Disinfectant
- Large Animals Halters Lead ropes Blankets Bedding Wheelbarrows Rakes Pitchforks Buckets Hoses Fly spray Chlorine bleach Disinfectant Lime
- iii. <u>Office Supplies</u> (for record keeping, animal identification, etc.) Necessary forms Trail marking tape (can be used to make collar) Duct tape Microchip scanner Camera/film Pens/pencils

- Permanent markers Binders Staplers Hole punch Paper Computer/printer Copy machine Fax machine Cell phone Flashlights
- b. <u>Veterinary Supplies</u> Medications Vaccines IV fluids Leg wraps Bandages Ambulatory clinics

5. Transportation

The following are possible sources of animal transportation resources. Most of the local groups listed should be included in the planning committee.

- a. <u>Small Animal</u> Animal control vehicles Mobile veterinary clinics Mobile dog kennels Local kennel clubs/cat fanciers Local humane organizations Private vans, trucks, and trailers
- <u>Large Animal</u>
 Local horsemen's associations/riding clubs
 Private horse trailers
 Horse transport companies
 Local cattlemen's association
 Rancher livestock transport
 Dairy livestock transport
 Feedlot transport
 Animal control vehicles and horse trailers
 University, state, and community college animal transport
- 6. Volunteer Resources

Volunteers are the people who make a response plan work. When animals are in danger, you will find many willing volunteers. It is important that volunteers understand the response system, are trained, and are registered disaster service workers. To become a registered Disaster Service Worker, volunteers must register with the local Emergency Services Disaster Council prior to a disaster. Being a registered disaster service worker will allow volunteers to receive workers' compensation should they be injured while volunteering. It will also ensure that volunteers are trained in SEMS and are aware of relief operations. The following is a list of groups that could supply volunteers and help gather other needed resources. Most of these groups should be included in the planning committee:

> Local animal control County Agricultural Commissioner CVMA Local humane societies Local SPCA College or school groups (4-H, FFA, etc.) Local Cat Fanciers Associations Local kennel clubs

7. Confirmation of Resource Availability

In addition to the identification of local resources, it is important that the availability of resources be periodically confirmed with the owners or suppliers of these resources. In some cases, it may be necessary for the OA to enter into a Memorandum of Understanding (MOU) with resource providers to ensure resource availability in the event of a disaster. It is important that plans be made for gathering needed resources during a disaster. Multiple routes to shelters and areas where resources are kept should be planned.

C. Organization of Response Activities

Response activities should be organized into clearly defined roles. The following is an outline of some of the roles needed for response, as identified by OES in the State Plan. Local needs may vary. This is only a suggested organizational framework. Some of these functions may already be a part of the local emergency response plan and can be used to support animal response efforts.

1. Management

Management is responsible for overall emergency policy and coordination through the joint efforts of governmental agencies and private organizations. Management duties include:

a. <u>Liaison</u>

The liaison communicates with staff from other agencies in the EOC. This should be the job of the County Animal Coordinator.

b. <u>Public Information Officer</u> The Public Information Officer develops and releases information about emergency operations to the news media, personnel involved in the response operations, and other appropriate agencies and organizations.

2. *Planning and Intelligence*

Planning and Intelligence is responsible for collecting, evaluating, and disseminating information during response and recovery activities. Much of this may be done through the statewide RIMS (through OES). Planning and Intelligence duties include:

a. <u>Situation and Status Analysis</u> Situation and Status Analysis may be assigned to provide information on situation status of animal rescue, care, and sheltering operations.

b. <u>Documentation</u> Documentation compiles records and data pertaining to the response effort.

c. <u>Mobilization/Demobilization</u> Mobilization/Demobilization works with Operations and Logistics to help plan the mobilization of personnel, equipment/supplies, and facilities. It also prepares the demobilization plan and monitors its execution.

3. Operations

a.

Operations coordinates all jurisdictional operations in support of the emergency through the implementation of the OA action plan. The animal issues may be assigned to deal with:

Care and Sheltering

Care and Sheltering assists in the coordination of animal care and sheltering with human care and sheltering operations.

b. <u>Disease Control</u>

Disease control activities may include:

- Disposal of dead animals
- Separation of sick and healthy animals
- Rabies control
- Capture or euthanasia of animals "at large"

c. <u>Animal Identification System</u>

A system must be developed for identifying animals brought to shelters so that they can be returned to their proper owners. Records must also be kept for dead and unclaimed animals. Those operating the animal identification system may work with Operations to assist in reuniting animals with their owners.

4. Logistics

Logistics is responsible for providing facilities, services, personnel, equipment, and materials. The following is a list of logistical activities needed for responding to animal issues:

a. <u>Communications</u>

Communications staff maintain communications with all sites and personnel responding to animal issues during a disaster. Helps facilitate cooperation between responders.

b. <u>Transportation</u>

Transportation coordinates the movement of transportation resources to where they are needed.

c. <u>Facilities Coordination</u>

Facilities Coordination develops plans for mobilization centers, staging areas, shelters, and regional evacuation points. It oversees the distribution and installation of supplies to these areas.

d. <u>Resource Tracking</u> Resource Tracking is responsible for tracking the status of resources at the various response sites.

5. Finance

Finance is responsible for tracking financial activities. The following is a list of activities that need to be tracked for costs incurred by the OA in case of future reimbursement.

- a. <u>Employee Time Reporting</u>
- b. <u>Procurement of Supplies</u>
- c. <u>Workers' Compensation and Claims</u>
- d. <u>Cost Accounting for Response Activities</u>
- e. <u>Damage Survey Report (DSR) Record Keeping</u>

D. Practice Your Response Plan

Once you have planned your response, it is important that it be practiced periodically. Practicing the response plan will help pinpoint possible problem areas and allow personnel to become comfortable with their roles. Both table top and actual drills are useful.

E. Volunteer Training

Dealing with animals, particularly in stressful or chaotic situations such as disasters, requires special skill. Volunteers who handle animals need to have experience or training in this area. Several national, state, and local groups offer training programs.

VIII. Response

Response is putting all this planning to work. To ensure a smooth response, some things to consider are:

- Develop SOPs that specifically outline the response duties of personnel and organizations.
- Use the template forms (in the appendix of this guide) to make a binder of forms needed at each shelter facility and EOC.
- Develop a notification system to be activated in the event of a disaster.
- Flexibility is key to an effective response; be prepared to activate alternate plans if needed.
- Update your resource lists, plan, and SOPs often.

IX. Recovery

During the recovery stage of a disaster, the following activities must be coordinated:

A. Shelter Closures and Redistribution of Supplies

It is important that guidelines be developed to decide when closure is appropriate and how it will be done. This is often coordinated with the closure of human shelters. Animal shelters can usually be closed 48 hours following the closure of human shelters. Owners who need to make special arrangements can do so on a case-by-case basis. Guidelines on distribution of remaining supplies should be agreed upon by all responding groups. Also, a plan for the release of volunteers should be developed.

B. Removal and Disposal of Animal Carcasses

Guidelines should be developed for disposal of animal carcasses in a safe and timely manner. Some disposal methods have negative environmental impacts. You should check with the County Department of Environmental Health for specific restrictions. It may be helpful to develop a MOU with a local rendering company or crematoria to ensure their services following a disaster.

C. Unclaimed Animal Adoption or Euthanasia Procedures

Procedures for the adoption or euthanasia of unclaimed animals following a disaster should be developed and agreed upon. These should be consistent with local laws and the current procedures of sheltering groups involved.

D. Collection of Data

In the recovery stage, data should be collected on the response activities. This data should include financial information about the response effort as well as damage assessment information.

X. Mitigation

Mitigation activities should include an assessment of the response activities and possibly a revision of the response plans and procedures. The goal of mitigation should be to improve future response. Mitigation and preparedness activities should continue until the next disaster response.

XI. Other Planning Resources

The following is a list of disaster planning and information resources available from other government agencies and non-profit organizations.

A. Government Agencies

Federal Emergency Management Agency (FEMA)

- www.fema.gov
 Provides general information about FEMA and emergency management activities
- www.fema.gov/fema/anemer.htm
 Provides information specifically on preparedness and planning for animals in emergencies and links to other related sites.

• www.fema.gov/EMI/is10.htm and www.fema.gov/EMI/is11.htm

Provides information and course materials for the independent study *Animals in Disasters Training Courses*. There are two modules of this course; 1.) Awareness and Preparedness; and, 2.) Community Planning. Course materials can be downloaded and a final exam may be completed online.

National Weather Service (NWS)

www.nws.noaa.gov Provides weather information and warnings for the United States.

State of California-- Governor's Office of Emergency Services (OES)

✤ www.oes.ca.gov

Provides information about OES activities, state disaster planning, and types of emergencies. Includes links to mapping resources, related agencies, and weather reports. The California Specialized Training Institute (CSTI) can also be accessed through this site. CSTI provides training in SEMS and other emergency response activities.

California Department of Food and Agriculture (CDFA)

✤ www.cdfa.ca.gov

Provides information about CDFA programs, the Animal Health and Food Safety Services, disaster preparedness materials for animal owners, and includes a directory of the County Agricultural Commissioners. This guide and appendices can also be downloaded from this site.

California Department of Fish and Game (CDFG)

 www.dfg.ca.gov
 Provides information on CDFG programs. Includes information about oil spill response activities.

University of California, Davis (UC Davis)

www.vetmed.ucdavis.edu/vetext/home.html

Provides information on the Veterinary Medicine Cooperative Extension program through UCD. All or part of the *DANR Guide to Disaster Preparedness Resources* can be downloaded from this site.

www.ucdavis.edu
 Provides access to all UCD websites and resources.

Florida Animal Disaster Planning Advisory Committee (ADPAC)

✤ www.unr.net/~lbevan/adpac

Provides information on Florida's animal disaster response program, and disaster planning and preparedness guidelines. Includes links to other sites and order forms for disaster planning information. Most of the sources used to develop this guide can be ordered from this site.

Florida State Department of Agriculture and Consumer Services, Division of Animal Industry

♣ http//:doacs.state.fl.us/~ai/ai.html

Provides information on ESF-17, Florida's animal disaster response plan.

Includes information on disaster preparedness for animals.

Indiana State Board of Animal Health (BOAH)

www.state.in.us/boah/index.html

Provides information on the Indiana State Annex for Veterinary Emergencies (SAVE) and disaster preparedness guidelines for various types of animals.

B. Non-profit Organizations

American Humane Association

www.americanhumane.org
 Provides information on disaster relief and preparedness.

American Red Cross

- www.redcross.org
 Provides general information about disaster relief efforts worldwide.
- www.redcross.org/disaster/safety/pets.html
 Provides information on disaster preparedness for pets.
- www.redcross.org/disaster/safety/index.html
 Provides general information on disaster safety, including a list of California Preparedness Materials. These include a barnyard animal rescue plan, information for owners of service animals, and first aid for animals.

American Veterinary Medical Association (AVMA)

✤ www.avma.org

Provides information about veterinary activities throughout the United States. Includes links to state Veterinary Medical Associations.

www.avma.org/avmf/Drmain.htm
 Provides information about the American Veterinary Medical
 Foundation's (AVMF) disaster relief activities. Includes an order form
 for the AVMA Disaster Planning Guide.

California Veterinary Medical Association (CVMA)

www.cvma.org
 Provides information on the CVMA disaster response programs.
 Includes a directory of CVMA member veterinarians.

Cat Fanciers Association

www.cfainc.org/disasters.html

Provides information on the disaster relief efforts of the Cat Fanciers Association and disaster preparedness.

Disaster Relief

www.disasterrelief.org
 Provides information on disasters worldwide. Includes disaster
 preparedness information for pets.

Humane Society of the United States (HSUS)

www.hsus.org
 Includes a section on animal disaster relief.

The Horse Review

 www.horsereview.com
 Provides links to disaster preparedness sites and information for horse and pet owners.

International Fund for Animals

www.ifaw.org
 Includes information on their Emergency Relief Team.

United Animal Nations

 www.uan.org
 Provides information on the Emergency Animal Rescue Service (EARS).

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XIII. Acronyms

AH&FSS	Animal Health and Food Safety Services
FEMA	Federal Emergency Management Agency
CSTI	California Specialized Training Institute
GIS	Geographical Information System
OA	Operational Area
OES	Office of Emergency Services
RIMS	Response Information Management System
SEMS	Standardized Emergency Management System
SOP	Standard Operating Procedures

Appendix A: Animal Confinement and Shelter Facility Forms

Animal Care and Holding/Boarding Survey⁹

1. Facility Name _____

Address _____

⁹ Adapted from the Indiana State Annex for Veterinary Emergencies Committee.

Number and Street	City Zip
Facility Phone ()	Fax ()
2. Owner's Name	
	Cell Phone ()
Owner's Pager ()	
3. What animal species will you accept?	
Dog Cat Equine Livestock	Avian Other
4. Do you have a microchip scanner available	le? No Yes Type:
5. How many cages, runs or stalls do you ha	we available? Are any seasonal?
Cages Runs Large	e Animal Stalls Corrals
6. Would you be willing to provide services	during a disaster?
Pro bono Reduced Rate	Standard rate
7. What are the minimum entry requiremen	ts for animals to your facility?
None Rabies Other vaccinations	
Parasite control Other	
Would you waive them during a disaster?	Yes No
8. Does your facility have isolation facilities	? Yes No
9. Is your staff available outside normal hou	urs of operation? Yes No
10. Do you have a consulting veterinarian or	r vet clinic you work with? Yes No
Name	Phone ()
11. Give brief directions to your facility from	
11. Give brief directions to your facility if of	in the closest major road or mgnway.
	10
	- Owned Animals with Owner ¹⁰
Date arrived	Animal ID #
Date discharged	Assigned Location
Owner Information	

¹⁰ Adapted from *Help Us Get Them to Safety!* By the Nevada County Unit of the CVMA and Indiana's *State Annex for Veterinary Emergency Committee.*

Name	Phone # ()
Address	
Emergency Contact Animal Identification	
Species	Other ID
Breed	Size: Toy Small Medium Large Giant
Coat Color	Coat Length: Short Medium Long
Age	Sex: M M(neutered) F F(spayed)
Medical	
Rabies Vaccine? Yes No Tag #	County issued
Other Vaccines: Canine: Distemper Hepatitis Leptospirosis	
Feline: Rhinotracheitis Calcivirus Panleu	
Any medical problems? No Yes Taking medications? No Yes	Owner provided? No Yes
-	-
	Owner provided? No Yes
Instructions	
Habits and Traits (circle all that apply)	
fence jumper digger scratcher submiss	ive housebroken highly excitable biter
shy leash broken barker/vocal	declawed obedience trained other
Angressive toward men women children other an	mals
	Date
	Date
	Date
	Date
	e Form - Rescued/Found/Stray ¹¹
	_ Location found
	Assigned Location
	Animal ID #

¹¹Adapted from *Help Us Get Them to Safety!* By the Nevada County Unit of the CVMA and Indiana's *State Annex for Veterinary Emergencies Committee*.

Accepted by (staff)	
Rescuer Information	
Name	
Address	
Phone # ()	
Animal Identification	
Species	Rabies Tag? No Yes #
	Size: Toy Small Medium Large Giant
	Coat Length: Short Medium Long
Other ID	Sex: Male M (neutered) Female F (spayed)
Reclaimed	
Owner	
Phone ()	
Address	
Released by	Date
Owner Signature	Date
Adopted	
-	
Phone ()	
Released by	Date
New owner signature	Date
' Transferred to	
-	
Larg	ge Animal Intake Form ¹²

Date Arrived	Rescued	Owner Brought
Intake number	Assigned She	elter Location
If rescued, Date rescued		Location

¹²Adapted from Indiana's *State Annex for Veterinary Emergencies* Committee.

Date Discharged				
Species: Cattle Sheep Swine	Horse Goats Other			
Owner's/Rescuer's name				
Address	City		Zip	
	-	`	-	
Phone ()	Cenular ()		
Fax ()	Pager ()		
T., J., J. J., J. A., J. T. J				
Individual Animal Identification Identification Des	cription, registration		Age Sex	Breed
(E.g., Brand/tattoo) nam	ne or number			
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
Accepted by (staff)			Date	
	*HSUS			
Owner's signature			Date	
Released by			Date	

RELEASE

__Date _____

The undersigned owner(s) (agent) of the animal(s) described as follows:

Owner's signature _____

Name of Animal_____ Breed_____

Description

hereby request the emergency quartering of these animals being evacuated because of a pending or occurring disaster. The animal owners (agents) hereby release the receiving property owners and any caregivers from any and all liability regarding the care and quartering of these animals during and following this emergency. The animal owners (agents) acknowledge that if emergency conditions pose a threat to the safety of these animals, additional relocation may be necessary and that this release is intended to extend to such relocation.

The animal owners (agents) acknowledge that the risk of injury or death to these animals during an emergency can not be eliminated and agree to be responsible for any veterinary expenses which may be incurred in the treatment of their animals. It is also requested that the animal owners (agents) contribute to the feeding and daily care of their animals, if possible.

The cost (if any) of returning these animals after the emergency will be at the owners= (agents=) expense. If an animal is not claimed within thirty (30) days, unless prior arrangements have been made, the animal owner will be notified of possible adoption or relocation.

Printed Name of Animal Owner (Ag	gent)
Signed Name of Animal Owner (Ag	ent)
Home Phone	
Place of Employment	Work Phone
Address to which Owner (Agent) plans to evacuate during the emergency	
	Phone
It is the responsibility of the animal	owner (agent) to keep the receiving property owners a

ware of where the animal owner (agent) can be contacted following the emergency.

Address of Receiving Property

Appendix B: Animal Food Resources

County Animal Food Resource Checklist

Small Animals

Food Banks Pet Stores Grocery Stores Kennels Breeders Feed Stores Humane Societies/SPCAs Animal Control Shelters Veterinary Clinics

Large Animals and Horses

Feed Suppliers Feed Stores Hay Producers/Transporters Local Animal Producers Local Boarding Facilities Local Breeding Facilities Local Horsemen's/Cattlemen's Organizations

County Animal Food Survey¹³

¹³Adapted from Indiana's State Annex for Veterinary Emergencies Committee.

	nber and Street		Ci	ty		Zip
Facility Pl	none ()		Fax ()		
Represent	ative's Name					
Represent	ative's Pager ()	Cell pho	one ()	
2. What spee	cies do you have fo	od for?				
Dog (T	Type of food)					
Cat						
Bird						
Reptiles	S					
Cattle _						
	Goat					
2 Would you				icoctor		
Free	u be willing to prov Reduced Rate					
-	Reduced Rate					
Free			Star	ndard R	ate	
Free 4. Give brief	Reduced Rate	location fron	Star	ndard R najor ro e List	ate	

¹⁴Adapted from the CVMA Disaster Response Resource Guide.

Area or cross streets		
Contact's name		
Phone Number ()	Fax ()	
Rep's Cell Phone ()	Pager ()	
Supplies Available		
Type of Food	Species	
Delivers? Yes No		
'Free 'Reduced rate	' Standard Rate	
Organization/Company Name		
Address	City	Zip
Area or cross streets		
Contact's name		
Phone Number ()	Fax ()	
Rep's Cell Phone ()	Pager ()	
Supplies Available		
Type of Food	Species	
Delivers? Yes No 'Free 'Reduced rate	' Standard Rate	

Appendix C: Supplies

County Animal Supplies Survey¹⁵

¹⁵Adapted from the Indiana State Annex for Veterinary Emergencies Committee.

1. Company/Organization Name _____

Address	umber and Street			(Lity		 Zip
Facility Phon	e()_		I	Fax ()		 _
Representat	ive's Name	·					
Representativ	ve's Pager ()		Cell ph	one ()	
What supplie	s do you ha	ave?					
Veterinary S	Supplies						
Drugs	Vaccines	IV fluids	Leg wraps	Band	ages		

Non-medical Animal Supplies

Small Animal

2.

Pet carriers Cat litter Collars Leashes Cages Shovels Bleach Disinfectant Food and water dishes

Large Animal

Halters	Lead ropes	Blankets	Bedding	Wheelt	arrows	Rak	es
Pitchforks	Buckets	Hoses	Fly spray	Bleach	Disinfec	tant	Lime

Office Supplies

Trail marking tapeDuct tapeMicrochip scannerCamera/filmPaperPens/pencilsPermanent markersBindersStaplersHole punchComputer/printerCopy machineFlashlightsCellular phones

3. Would you be willing to provide these supplies during a disaster?

Free Loan Reduced Rate _____ Standard Rate _____

4. Give brief directions to your location from the closest major road or highway.

County Animal Supply Resource List¹⁶

¹⁶Adapted from the CVMA Disaster Response Resource Guide.

Organization/Company Name _____

Number and Street	City	Zip
Area or cross streets		
Contact's name		
Phone Number ()		
Rep's Cell Phone ()	Pager ()	
Supplies Available		
'Free 'Loan 'Reduced rate	' Standard Rate	
Organization/Company Name		
		Zip
Address	City	
Address	City	
Address	City	
AddressArea or cross streets Contact's name Phone Number ()	City Fax ()	
Address	City Fax ()	
Organization/Company Name Address Number and Street Area or cross streets Contact's name Phone Number () Phone Number () Rep's Cell Phone () Supplies Available	City Fax () Pager ()	

Appendix D: Transportation Resources

County Animal Transportation Checklist¹⁷

¹⁷Adapted from the CVMA *Disaster Response Resource Guide*.

Small Animal

Animal Control vehicles Mobile veterinary clinics Mobile dog kennels (talk to hunting clubs, kennel clubs) Local Cat Fanciers Local humane organizations Private vans, trucks, and trailers

Horses

Local horsemen's association/riding clubs Private horse trailers Horse transport companies

Large Animal

Local Cattlemen's association Livestock Transport Companies Ranchers Dairies Feedlots Animal Control vehicles and horse trailers University and other local educational institution livestock transport Department of Transportation (Caltrans)

County Animal Transportation Survey

1. Company/Organization Name _____

Address		
Phone ()	Fax ()
2. Representative's N	Jame	
Representative's Ph	one ()	Pager ()
3. What species can	you transport and how r	nany?
Dog	Cattle	Exotics
Cat	Sheep	_ Poultry
Horse	Swine	Goat
4 Waadd area haarii		
-		tation services during a disaster? Standard rate
5. General informat	ion	
Insurance Compan	у	Policy #
Vehicle License Pl	ate Number	Description
Trailer License Pla	te Number	Description
If more than one vehi	cle	
0		Description
		Description
Vehicle License Plat	e Number	Description
		Description
		Description
Vehicle License Plate	e Number	Description
Trailer License Plate	Number	Description

County Transportation Resource List¹⁸

Company/Group Name _____

¹⁸Adapted from the CMVA *Disaster Response Resource Guide*.

Address	City	Zip
Area or cross streets	,	1
Owner's name		
Phone Number ()		
Owner's Cell Phone ()	Pager ()	
Description of Transportation Reso	urce	
Species	Number of animals	
Driver(s)		
'Free 'Reduced rate	' Standard Rate	
Company/Group Name		
Address		
Number and Street	City	Zip
Area or cross streets Owner's name		
Phone Number ()		
Owner's Cell Phone ()	Pager ()	
Description of Transportation Reso	urce	
Species	Number of animals	
Driver(s)		
'Free 'Reduced rate	' Standard Rate	

Appendix E: Volunteer Resources

Survey of Groups with Registered Disaster Service Workers

Organization
Address
Phone () Fax ()
Contact Name
Contact's Phone () Pager ()
Number of Volunteers
1. Trained as a disaster service worker
Veterinarian/Animal Health Technician
Non-medical
2. Not trained as a disaster service worker
Veterinarian/Animal Health Technician
Non-medical
3. Experienced with:
Small Animal
Large Animal (livestock)
Horses
Exotics
Volunteers
Name Phone ()
Veterinarian/AHT Non-medical Trained as a disaster service worker
Experience: Small animal Large Animal Horse Exotic
Name Phone ()
Veterinarian/AHT Non-medical Trained as a disaster service worker
Experience : Small animal Large Animal Horse Exotic
Experience. Sman anniai Large Anniai Horse Exotic
Name Phone ()
Veterinarian/AHT Non-medical Trained as a disaster service worker

Experience: Small animal Large Animal Horse Exotic

Organization (cont.) Name ______ Phone () ____-Veterinarian/AHT Non-medical Trained as a disaster service worker **Experience**: Small animal Large Animal Horse Exotic Name _____ Phone ()____-Non-medical Trained as a disaster service worker Veterinarian/AHT **Experience**: Small animal Large Animal Horse Exotic Name _____ _Phone () -Veterinarian/AHT Non-medical Trained as a disaster service worker **Experience**: Small animal Large Animal Horse Exotic Name _____Phone () -Veterinarian/AHT Non-medical Trained as a disaster service worker **Experience**: Small animal Large Animal Horse Exotic Name Phone () -Trained as a disaster service worker Veterinarian/AHT Non-medical **Experience**: Small animal Large Animal Horse Exotic Name _____ Phone () -Veterinarian/AHT Trained as a disaster service worker Non-medical **Experience**: Small animal Large Animal Horse Exotic Name Phone () -Veterinarian/AHT Non-medical Trained as a disaster service worker **Experience**: Small animal Large Animal Horse Exotic Name ______ Phone () ____-

Veterinarian/AHTNon-medicalTrained as a disaster service workerExperience:Small animalLarge AnimalHorseExotic

Name		Phone ()
------	--	---------	---

Veterinarian/AHTNon-medicalTrained as a disaster service workerExperience:Small animalLarge AnimalHorseExotic

County Veterinary Emergency Response Personnel Application¹⁹

Name			
Last	First		MI
Home Address			
Home Phone ()	Fax (City	Zip
Pager ()	Cell ()	
Work Address			
Work Phone ()	Fax	City ()	Zip
May we call you at work? Yes No Are you licensed and accredited in Californ What is your primary area of expertise Companion animals (dogs Large animals (cattle swin Poultry (chickens turkeys Farm Exotics (ratites came Other:	nia? Yes No ? cats pocket pets ne horses cervic ducks geese) elids)	lae camelids	ratites)
Do you have a mobile clinic or equipment ⁴ Are you prepared to use it during a disaste		No	
Medical Insurance Carrier	Policy Num	lber	
Driver's License Number	Expiration D	Date/	/
Vehicle License Plate Number	Description		
Trailer License Plate Number	Description		

¹⁹Adapted from the Indiana *State Annex for Veterinary Emergencies* Committee.

Do you have Standardized Emergency Management Sy	stem (SEMS) training?	Yes	No	
Disaster Training or Experience				
				_
				_
Signature	Date			
Approved by	Date			

County Animal Care Volunteer Emergency Response Personnel Application²⁰

Name		
Last	First	MI
Home Address	l Street City	Zip
		1
Home Phone ()	Fax ()	
Pager ()	Cellular ()	
Employer		
		Zip
Work Phone ()	Fax ()	·
× ,	May we call you at work? Yes No	
	Policy Number	
	Phone ()	
Any Medical Conditions?	No Yes:	
Driver's License Number	Expiration Date//	
Vehicle License Plate Number	er Description	
Trailer License Plate Number	r Description	

²⁰Adapted from the Indiana State Annex for Veterinary Emergencies Committee and Help Us Get Them to Safety! by the Nevada County Unit of the CVMA

Do you have Standardized Emergency Management System (SEMS) training?				
Additional Disaster Training or Experience (i.e., DART)				
Signature Date				
Approved By Date				