



Pasture Management

The land application areas used for waste utilization are predominantly fields used for pasture or hay production. Soil tests have been made to determine plant nutrient needs and fertilizer, including animal wastes application rates.

Irrigation Water Management

Manure and wastewater from the storage ponds is transported via liquid manure truck or solids spreader and applied to the fields. Calibration information for both the sprinkler system and liquid manure truck are included in this CNMP.

Operation and Maintenance	
General	<ul style="list-style-type: none">• Regulations of the Arkansas Department of Environmental Quality will be followed.• This is a closure plan for an existing operation in Washington County, Arkansas. Wastes and wash water are currently stored in two earthen holding ponds.
Waste Management	<ul style="list-style-type: none">• The liquid wastes are to be applied to the pastures by means of a liquid manure spreader and/or irrigation system. Applications in flood prone areas are not to be made during flooding seasons. Applications of wastes shall not be made on frozen or snow-covered ground, when the ground is saturated, during rainy weather, or within 24 hours of predicted rainfall.• It is required that surface application of animal wastes shall not be made within 50 feet of property lines; 100 feet of streams including intermittent streams, ponds, lakes, springs, sinkholes, rock outcrops, wells and water supplies; 300 feet of extraordinary resource waters and 500 feet of neighboring occupied buildings.• Wastes shall be distributed as evenly as possible.• Wastes shall not be applied on slopes with a grade in excess of 15 percent or in any manner that will allow wastes to enter the waters of the state.• ADEQ has developed a standard form entitled "Animal Waste Application Records" for use in logging waste applications. This form is located at the back of the "Operation and Maintenance" section of this report.• Odor reduction recommendations:<ul style="list-style-type: none">a) avoid spreading when the wind will blow toward populated areas.b) avoid spreading just before weekends and holidays when people are more likely to be outdoors.c) avoid spreading near heavily traveled roadways.d) spread in the morning when the air is warming and rising rather than in the late afternoon.e) consider weather conditions - sunny, low humidity days reduce odors; turbulent breezes will dilute and dissipate odors.f) incorporating manure into the soil by injecting, plowing, disking, or chiseling helps reduce nutrient losses and odors.

Section 2 MANURE & WASTEWATER HANDLING/STORAGE

Maps of production area(s) farm map, topographic, soils, county road map
Manure storage: calculated manure and wastewater storage volume, lengths, width
Standards and Specifications





Michael Cox/Summers Farm--East Side
Vicinity Map

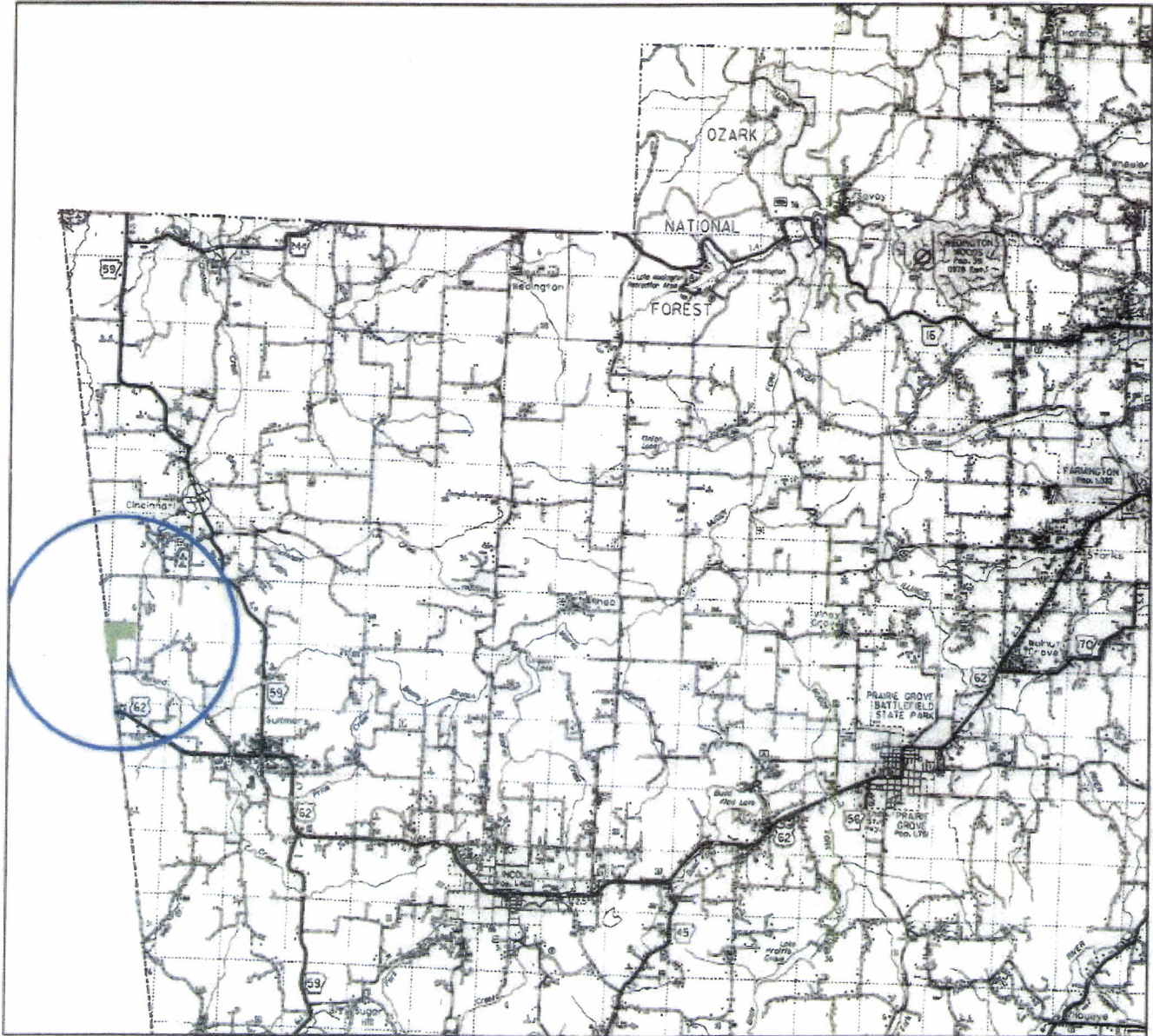
Date: 7/24/2012

District: WASHINGTON COUNTY CONSERVATION DISTRICT

Assisted By: Casey D. Dunigan
24163 Mill Rd
T56
Farm# 4113

Legal Description: T 15N R 33W Section 6,7
Lat: 36 0.43 Lon: -94 32.01
HUC: 111101030604/Upper Ballard Cr., Illinois River

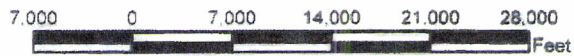
State and County: AR, WASHINGTON



Legend



cox east boundary



Michael Cox/Summers Farm--East Side

Date: 7/24/2012

District: WASHINGTON COUNTY CONSERVATION DISTRICT

Legal Description: T 15N R 33W Section 6,7

Lat: 36 0.43 Lon: -94 32.01

HUC: 111101030604/Upper Ballard Cr., Illinois River

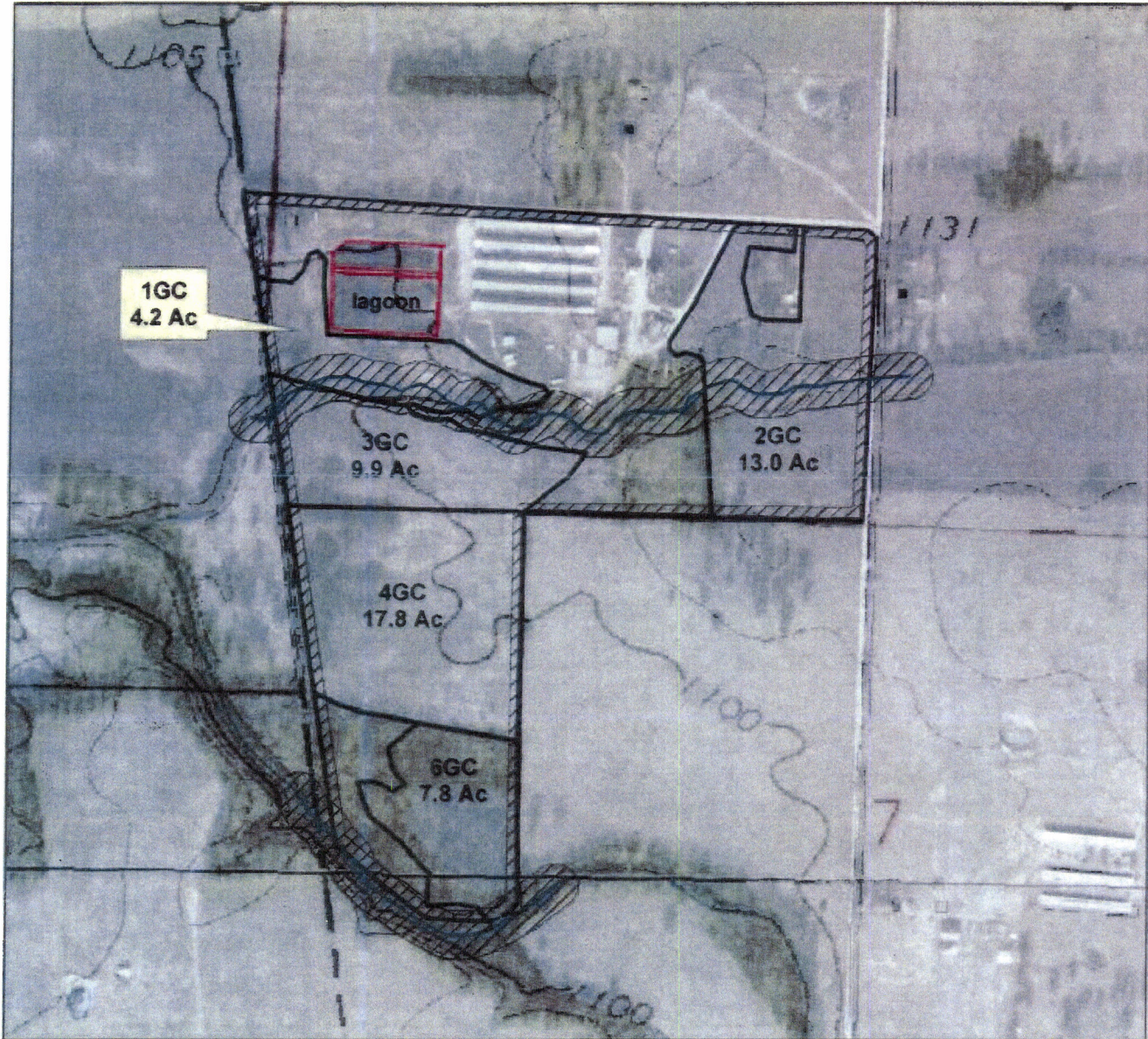
Assisted By: Casey D. Dunigan

24163 Mill Rd






T56

Farm# 4113

State and County: AR, WASHINGTON



Legend

-  Summer's Lagoon
-  Buffer_Output_east_stream.shp
-  Buffer_Output_Cox_east.shp
-  Streams
-  Cox_East



Michael Cox/Summers Farm--East Side
Soil Map and Proposed Mass Mortality Burial Pit Site

Date: 7/24/2012

District: WASHINGTON COUNTY CONSERVATION DISTRICT
Legal Description: T 15N R 33W Section 6,7
Lat: 36 0.43 Lon: -94 32.01
HUC: 111101030604/Upper Ballard Cr., Illinois River

Assisted By: Casey D. Dunigan
24163 Mill Rd
T56
Farm# 4113
State and County: AR, WASHINGTON



Legend

- Summer's Lagoon
- Streams
- Cox_East
soilmu_a_ar143



MANURE AND WASTEWATER STORAGE

Storage Facilities

Holding Pond 1:

Holding pond 1 has top dimensions of 458' x 258' x 10' total depth. The water line dimensions are 450' x 250' x 9' effective depth. The existing storage volume of the holding pond is 990,330 cubic feet.

Holding Pond 2:

Holding pond 2 has top dimensions of 458' x 133' x 10' total depth. The water line dimensions are 450' x 125' x 9' effective depth. The existing storage volume of the holding pond is 452,833 cubic feet.

