



Feb. 4, 2016

## FOTG-450

### North Carolina Field Office Technical Guide, Notice 16-01

#### INSTRUCTION TO AREA AND FIELD OFFICES

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1. This notice transmits the latest updates to the North Carolina Field Office Technical Guide (FOTG). Instructions to users and explanation of changes to each Section of the FOTG are described below.
2. The Electronic Field Office Technical Guide (eFOTG) is the official copy of the North Carolina Field Office Technical Guide. Any printed copy of the FOTG maintained in an NRCS office is required to be kept up-to-date with the latest materials used to provide technical assistance.
3. Obtain documents for printing from [eFOTG website](#) by opening that website, clicking North Carolina on the map, clicking the local county, and then navigating through menus on the left-hand side of the page.
4. Each Toolkit users must “Reload Domain Data” on the computer(s) they run Toolkit on, so it is updated by the Conservation Practice Standards application. Reload domain data by clicking on the command located under “File” on the main toolbar in Customer Service Toolkit, on each computer running Toolkit, for each user.

#### UPDATES IN SECTION I - General References

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New folder added in **Cost Data** folder: *EQIP Payment Rate List (Cost List)* that holds the state’s two current program payment rate lists that are named: *EQIP FY16 (except organic) Cost List* and *EQIP FY16 Organic Cost List*

New folder added: *CRP Jobsheets for North Carolina* that contains 14 jobsheets that facilitate delivery of technical specifications to meet CRP requirements, as well as applicable conservation practice standards from the NRCS FOTG.

New folder added, named *CSP National Enhancement Activities* to meet a national program policy 440-CPM, Part 508.81 B (5) requiring this material be added to the state’s FOTG.

- New sub-folder added: *National Enhancements for 2015 & 2016* that contains a hyperlink to the national CSP website where the program’s enhancement technical criteria are served.
- New sub-folder added: *North Carolina Supplements 2015 & 2016 CSP Enhancements* to provide eight state-level technical requirements for certain CSP Enhancements.

The following updates to **Reference Lists**, **Technical Notes** have been added in the **Technical Notes** folders designated in bold fonts below:

**Agronomy and Water Quality Technical References** have been merged and updated into a single list named, *Agronomy and Agricultural Water Quality Technical References*. Obsolete material has been removed. A new Soil Health section has been added. The Cover Crops section has been enhanced by incorporation of a new USDA Agricultural Research Service cover crop tool and some other contemporary references. A new section for Nitrogen and Phosphorus effects, assessments, and conservation impacts has been added. A new NRCS publication National Organic Farming Handbook has been added. A publication from Iowa State University describing different herbicide modes of action, has been added to help support IPM strategies and reduce risk of herbicide resistant weeds.

Twenty-one new **Pasture and Forages** reference documents have been added and obsolete information has been removed. New subject matter include establishment and management of bermudagrass, tall fescue, native warm-season grasses and legumes; forage fertilization, nitrates and prussic acid in forages, conservation system for outdoor swine, mud effects on feedlot cattle, grazing-based dairies, and silvopasture in southern pines.

**Biology** references have been updated to ensure all hyperlinks work and obsolete information has been removed. Wetland delineation information has been removed.

The **Conservation Planning** and **Water Quality** technical reference folders and their contents we moved into the Section I archives.

## **UPDATES IN SECTION II – Natural Resources Information**

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The state's wildlife habitat assessment tool (*North Carolina Wildlife Habitat Evaluation Procedure (WHEP)*, Dec. 2015.) has been updated to correct typographical errors and make it a fillable PDF file. The date remains unchanged by this minor update.

The Cultural Resources Undertakings List, dated Feb. 2016, has been revised to correct practice names, add new conservation practices, and remove obsolete conservation practices.

## **UPDATES IN SECTION III – Conservation Management Systems**

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None.

## **UPDATES IN SECTION IV – Practice Standards and Specifications**

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### **Conservation Practice Index**

A *Conservation Practice Index* revision dated February, 2016 replaces the previous edition. The *Conservation Practice Index* is filed at the front of Section IV.

### Conservation Practice Standards

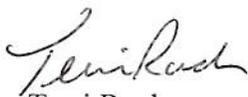
The following items have been added to the FOTG, Section IV.

Code	Practice Name	Item	Revision Date
316	Animal Mortality Facility	Standard	02/16
367	Roofs and Covers	Standard	02/16
382	Fence	Jobsheet <i>only</i>	02/16
368	Emergency Livestock Mortality Management	Standard Scope of Work	02/16 09/15

The date of revision indicated in the table (above) corresponds with the date shown on the item's bottom right corner.

### UPDATES IN SECTION V – Conservation Effects

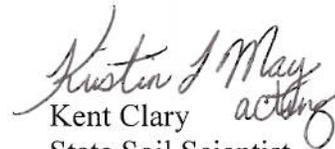
None.



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## Conservation Practice Index

Practice Name (Unit)	Code	Date of Standard	Lifespan (years)	Cultural Resource Undertaking Group
Access Control (ac)	472	10/11	10	2
Access Road (ft)	560	02/15	10	1
Agrichemical Handling Facility (no)	309	06/15	15	1
Alley Cropping (ac)	311	12/11	15	3
Amendments for Treatment of Agricultural Waste (au)	591	10/13	1	3
Anaerobic Digester (no)	366	05/10	25	1
Animal Mortality Facility (no)	316	02/16	15	1
Aquaculture Pond (ac)	397	04/12	10	1
Aquatic Organism Passage (mi)	396	04/12	5	2
Bedding (ac)	310	04/11	3	2
Brush Management (ac)	314	12/15	10	2
Building Envelope Improvement (no)	672	08/13	10	3
Channel Bed Stabilization (ft)	584	12/15	10	1
Clearing and Snagging (ft)	326	04/11	5	2
Composting Facility (no)	317	11/14	15	1
Conservation Cover (ac)	327	02/15	5	3
Conservation Crop Rotation (ac)	328	02/15	1	3
Constructed Wetland (ac)	656	04/11	15	1
Contour Buffer Strips (ac)	332	02/15	5	2
Contour Farming (ac)	330	01/14	5	2
Contour Orchard and Other Perennial Crops (ac)	331	12/15	10	2
Cover Crop (ac)	340	02/15	1	3
Critical Area Planting (ac)	342	04/14	10	2
Cross Wind Trap Strips (ac)	589C	02/15	5	2
Dam (no)	402	10/11	15	1
Dam, Diversion (no)	348	10/11	15	1
Deep Tillage (ac)	324	01/14	1	1
Dike (ft)	356	12/06	20	1
Diversion (ft)	362	04/11	10	1
Drainage Water Management (ac)	554	05/09	1	2
Dry Hydrant (no)	432	04/12	15	2
Early Successional Habitat Development/Management (ac)	647	10/11	1	2



Practice Name (Unit)	Code	Date of Standard	Lifespan (years)	Cultural Resource Undertaking Group
Emergency Animal Mortality Management (no)	368	02/16	1	1 if installation involves ground disturbance. 3 if installation without ground disturbance.
Farmstead Energy Improvement (no)	374	03/14	10	1 if installation involves ground disturbance. 3 if installation without ground disturbance.
Fence (ft)	382	12/15	20	2
Field Border (ac)	386	04/14	10	2
Filter Strip (ft)	393	04/14	10	2
Firebreak (ft)	394	12/11	5	2
Fish Raceway or Tank (ft)	398	05/10	10	1
Fishpond Management (no)	399	10/12	1	3
Forage and Biomass Planting (ac)	512	07/12	5	2
Forage Harvest Management (ac)	511	10/11	1	3
Forest Stand Improvement (ac)	666	12/11	10	3
Forest Trails and Landings (ft)	655	01/13	5	1
Fuel Break (ac)	383	05/13	10	2
Grade Stabilization Structure (no)	410	03/15	15	1
Grassed Waterway (ac)	412	02/15	10	2
Grazing Land Mechanical Treatment (ac)	548	10/11	1	3
Goundwater Testing (no)	355	03/15	1	3
Heavy Use Area Protection (ac)	561	12/15	10	1
Hedgerow Planting (ft)	422	10/11	15	3
Herbaceous Weed Control (ac)	315	12/15	5	2
Herbaceous Wind Barriers (ft)	603	10/11	5	3
High Tunnel System (sq ft)	325	07/15	4	2
Hillside Ditch (ft)	423	02/09	10	1
Integrated Pest Management (ac)	595	07/11	1	3
Irrigation Canal or Lateral (ft)	320	10/11	15	1
Irrigation Ditch Lining (ft)	428	10/11	20	3
Irrigation Field Ditch (ft)	388	10/11	15	1
Irrigation Land Leveling (ac)	464	10/11	15	1
Irrigation Pipeline (ft)	430	10/11	20	1
Irrigation Reservoir (ac-ft)	436	10/11	15	1
Irrigation System, Microirrigation (ac)	441	12/15	15	3
Irrigation System, Surface and Subsurface (ac)	443	10/11	15	1 if subsurface, 2 if surface.
Irrigation System, Tailwater Recovery (no)	447	03/15	15	1
Irrigation Water Management (ac)	449	03/15	1	3
Land Clearing (ac)	460	04/12	10	1
Land Reclamation, Landslide Treatment (no)	453	08/05	15	1



Practice Name (Unit)	Code	Date of Standard	Lifespan (years)	Cultural Resource Undertaking Group
Land Smoothing (ac)	466	04/14	10	2
Lighting System Improvement (no)	670	08/13	10	3
Lined Waterway or Outlet (ft)	468	10/11	15	1
Livestock Pipeline (ft)	516	04/12	20	1 when installed on previously undisturbed ground
Livestock Shelter Structure (no)	576	06/14	10	1
Mole Drain (ft)	482	11/05	3	2
Mulching (ac)	484	12/15	1	3
Nutrient Management (ac)	590	12/14	1	3
Obstruction Removal (ac)	500	04/11	10	1
On Farm Secondary Containment Facility (no)	319	01/15	15	1
Open Channel (ft)	582	12/15	15	1
Pond (no)	378	04/12	20	1
Pond Sealing or Lining, Bentonite Sealant (no)	521C	10/11	15	3
Pond Sealing or Lining, Compacted Clay Treatment (no)	521D	10/11	15	3
Pond Sealing or Lining, Flexible Membrane (no)	521A	04/12	20	3
Pond Sealing or Lining, Soil Dispersant (no)	521B	10/11	20	3
Precision Land Forming (ac)	462	03/15	10	1
Prescribed Burning (ac)	338	01/13	1	2
Prescribed Grazing (ac)	528	03/13	1	3
Pumping Plant (no)	533	10/11	15	1
Recreation Area Improvement (ac)	562	01/89	15	2
Recreation Land Grading and Shaping (ac)	566	10/13	15	1
Residue and Tillage Management, No Till (ac)	329	01/14	1	3
Residue and Tillage Management, Reduced Till (ac)	345	01/14	1	3
Restoration and Management of Rare or Declining Habitats (ac)	643	10/11	5	2
Riparian Forest Buffer (ac)	391	10/11	15	2
Riparian Herbaceous Cover (ac)	390	10/11	5	2
Road/Trail/Landing Closure and Treatment (ft)	654	01/10	10	1
Rock Barrier (ft)	555	10/11	10	2
Roof Runoff Structure (no)	558	03/15	15	2
Roofs and Covers (no)	367	02/16	10	3
Row Arrangement (ac)	557	10/13	5	3
Sediment Basin (no)	350	04/11	20	1
Shallow Water Development and Management (ac)	646	10/11	5	3
Silvopasture Establishment (ac)	381	12/11	15	2



Practice Name (Unit)	Code	Date of Standard	Lifespan (years)	Cultural Resource Undertaking Group
Spoil Spreading (ac)	572	04/11	1	1
Spring Development (no)	574	07/14	20	1
Sprinkler System (ac)	442	12/15	15	3
Stormwater Runoff Control (no and ac)	570	04/12	15	2
Stream Crossing (no)	578	04/12	10	2
Stream Habitat Improvement and Management (ac)	395	10/11	5	3
Streambank and Shoreline Protection (ft)	580	10/11	20	2
Stripcropping (ac)	585	01/14	5	3
Structure for Water Control (no)	587	04/11	20	1 when installed on previously undisturbed ground
Subsurface Drain (ft)	606	04/12	20	1
Surface Drainage, Field Ditch (ft)	607	12/15	15	1
Surface Drainage, Main or Lateral (ft)	608	12/15	15	1
Terrace (ft)	600	03/15	10	2
Trails and Walkways (ft)	575	08/15	10	1
Tree/Shrub Establishment (ac)	612	12/11	15	3
Tree/Shrub Pruning (ac)	660	12/06	10	3
Tree/Shrub Site Preparation (ac)	490	12/06	1	2
Underground Outlet (ft)	620	04/14	20	1
Upland Wildlife Habitat Management (ac)	645	10/11	1	3
Vegetative Barrier (ft)	601	10/11	5	3
Waste Facility Closure (no)	360	04/12	15	2 when less than 50 years old
Waste Separation Facility (no)	632	10/13	15	1
Waste Storage Facility (no)	313	02/09	15	1
Waste Transfer (no)	634	04/15	15	1
Waste Treatment (no)	629	10/13	10	3
Waste Treatment Lagoon (no)	359	02/09	15	1
Water and Sediment Control Basin (no)	638	02/09	10	1
Water Well (no)	642	05/15	20	1
Watering Facility (no)	614	12/15	20	1
Well Decommissioning (no)	351	05/15	20	1
Wetland Creation (ac)	658	10/11	15	1
Wetland Enhancement (ac)	659	10/11	15	1
Wetland Restoration (ac)	657	10/11	15	2
Wetland Wildlife Habitat Management (ac)	644	10/11	1	2
Windbreak/Shelterbelt Establishment (ft)	380	12/11	15	2
Woody Residue Treatment (ac)	384	12/11	10	2