

NWRS Map Template Specifications

Overview

The Division of Realty has historically been the manager of cadastral information related to refuge land inventory and new land acquisition. The types of information include maps, surveys, title documents, legislative approvals, public land orders, and many other sources of information necessary for purchase, transfer, and management of Federal lands. A key component of their responsibility has been the requirement to maintain up-to-date land status maps for all facilities that contain lands under the jurisdiction of the Fish & Wildlife Service. Such facilities include all refuge system lands, national fish hatchery lands, coordination areas, and administrative sites. The Division of Realty has maintained status maps in a standardized fashion since the 1940's that have undergone very little change in their specifications in the last 60 years.

The popularity and increased distribution and use of desktop GIS applications such as ArcGIS, have drastically increased the cartographic potential of status maps as well as many other map products produced for the refuge system. The ability to utilize new types of symbology such as transparent color fills and automated text labeling have made maps easier to produce and increased their aesthetic quality.

In 2002, each Region sent a representative to a meeting in Denver, Colorado to help develop new cartographic standards that embraced new GIS technological capabilities and streamlined the production of required map products (for a list of the required products refer to Service Manual 343 FW 3) . Over the next 3 years the team developed and modified draft templates and produced final versions in 2006.

This document contains specifications and diagrams for the layout of all ANSI standard sized maps referencing the new cartographic standards. We intend for employees to use this information in conjunction with pre-made electronic templates that are available for download at:
<http://www.fws.gov/filedownloads/ftp%5Fgis/R1/NWRS/Map%5FTemplates/>

The new national cartographic standards are somewhat generic so they will be functional for the different technical needs and methods available to the Regional and California/Nevada Operations (CNO) offices. Precise layout specifications can vary between Regions/CNO. The electronic templates, diagrams, and specification tables in this document were produced by the Branch of Refuge Information, Division of Realty & Refuge Information, Region 1. For more information please contact:

Dave Hoy, Lead Cartographer
Division of Realty & Refuge Information
Portland, Or 97232 Ph. 503-231-2230

Purpose

The wide distribution of ArcGIS licenses in Region 1 has increased the number of users, many of whom have not had sufficient training in GIS methods or cartographic design. Most GIS users would like to make more effective and standardized maps but are unable to devote the time and resources to accomplish this task. The ease of using pre-made templates was a consideration from the beginning, but only one of many. These templates are the end result of a long successful process that we hope will yield many benefits for the NWRS for years to come. Below is a list of intentions and accomplishments that help illustrate the multipurpose benefits that came out of this process:

Initial Mandate:

- Change the FWS cartographic standards so they take advantage of new technology and mapping capabilities
- Streamline the realty cartographic process, and make mapping less burdensome for the program

National Objectives:

- Create a standard that can be implemented in all Regions/CNO
- Specifications must work in both CAD and GIS systems
- Integrate national graphic standards as much as possible; maps have the same look and feel as other FWS documents
- Utilize colored symbology, and move away from black and white line maps
- Consider standards developed by other DOI bureaus (NPS/BLM)
- Incorporate flexibility in some elements considering the different characteristics of each Region/CNO (large refuges vs. small refuges)
- Re-write the mapping chapter of the Service Manual (343 FW 3).

Regional Objectives:

- Develop electronic templates for ArcGIS that employees can use for mapping at stations and the Regional/CNO office.
- Develop specifications and supporting documentation for all standard map sizes
- Re-make all required map products using the templates/new national standards
- Integrate the new standards and templates with the SIM handbook

Usage

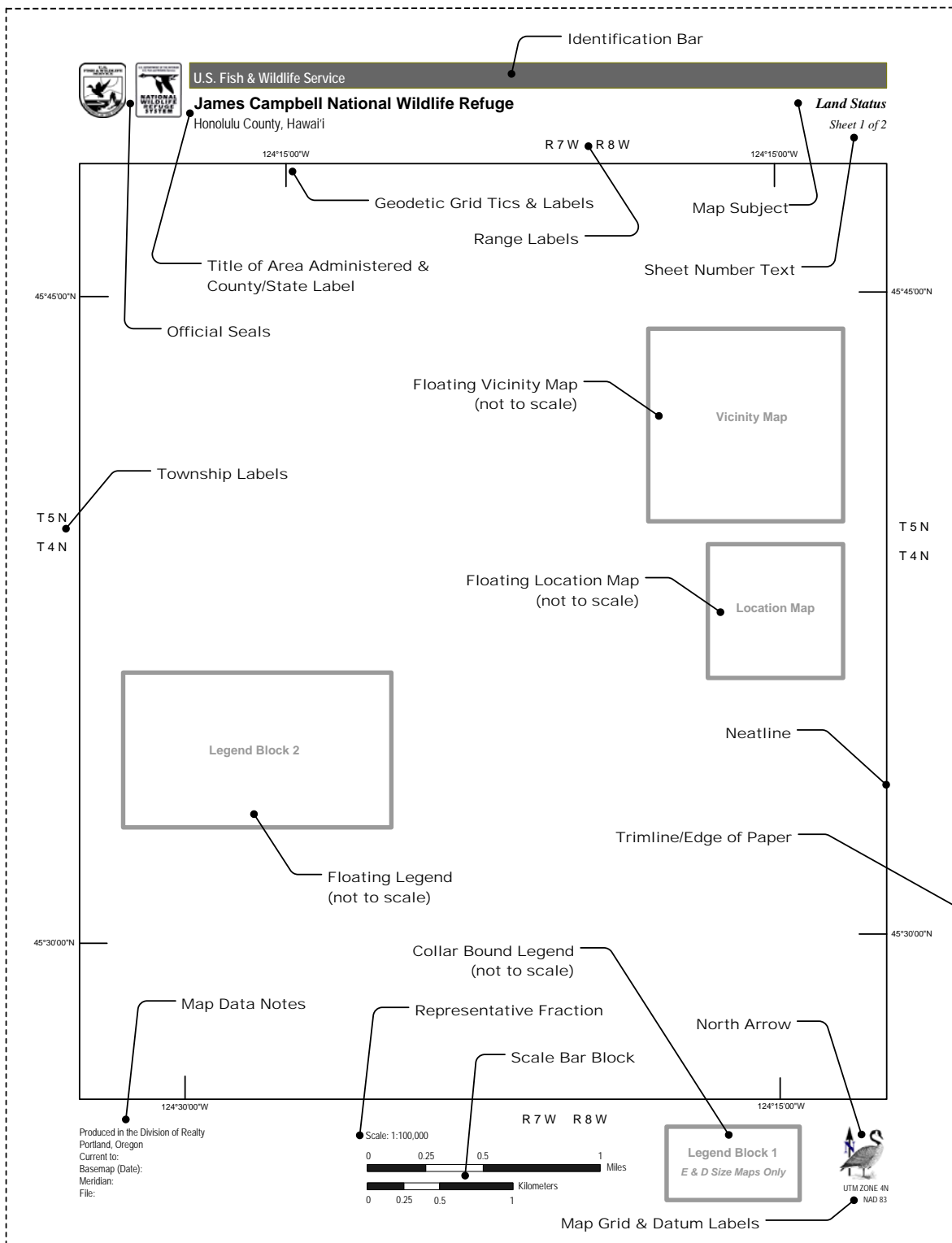
We designed the templates to be used for many purposes but their logic is somewhat “station centric” as the title block is specific to a place name. Most mapping projects that relate to a refuge can be represented in the template by changing the map subject/title to reflect the project purpose.

The diagram on Figure 1 of this document describes the core map elements that are referred to in the associated style sheets. The diagram on Figure 2 contains coded dimensions and properties that are listed in the style sheets by map size and orientation. The values coded with a ‘D’ represent dimensions that have exact measurements for placing the different elements on the map. The values coded with a ‘S’ are size properties that are usually associated with text/font specifications. The values coded with a ‘V’ are variable map elements that might appear on a map and do not necessarily have exact specifications. The style sheets and diagrams contain enough information to re-create all the templates from scratch; however, we do not recommend this. The intention is for users to use the electronic templates and the style sheets to place and/or edit elements they have deleted or modified in some way.

The new cartographic standards are required for all official map products listed in 343 FW 3 of the Service Manual. These are products that are the responsibility of the land acquisition and planning programs located in the Regional/CNO offices. We are making these templates and the associated guidance available to other NWRS and FWS users as a courtesy to help streamline their mapping projects, but are not currently required as part of the standard. We will revise the standard in the future and add new map definitions or change elements, as necessary. We will also develop and distribute new templates, as necessary.

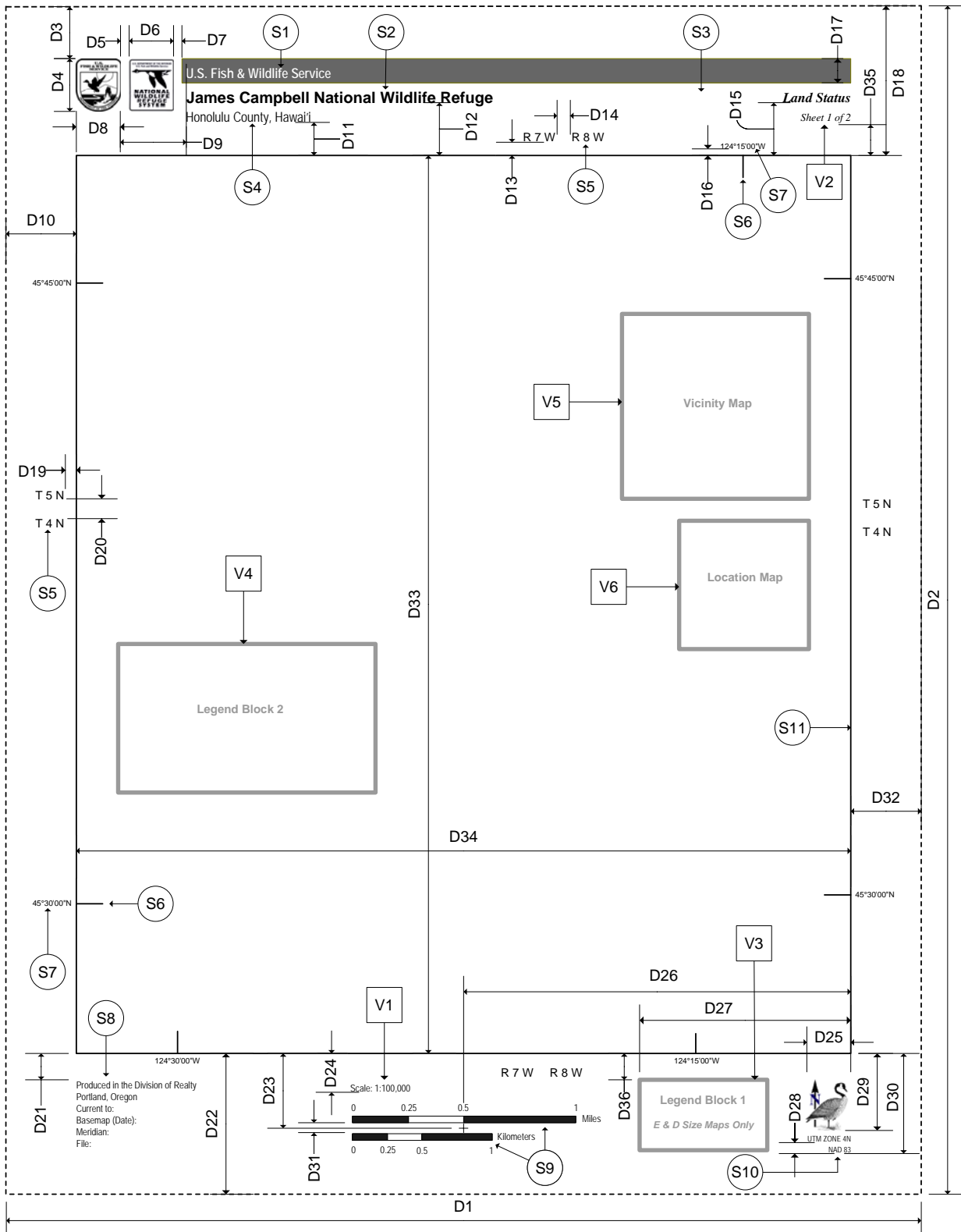
NWRS Map Template Core Element Diagram (Figure 1).

Element names/descriptions appear in the associated map size style sheets



NWRS Standard Map Layout Diagram (Figure 2).

Refer to style sheets for measurements according to map size and orientation



NWRS STANDARD A SIZE MAP (STYLE SHEET)

12/28/2005

Spec Code	Landscape Dist	Portrait Dist	Description	Font	Style	Color	Size	Notes
D1	11"	8.5"	Page width					
D2	8.5"	11"	Page height					
D3	.5"	.5"	Top margin					
D4	.5"	.5"	Logo height					
D5	.05"	.05"	Logo space					
D6	.425"	.425"	NWRS logo width					Size is approximate
D7	.05"	.05"	Seals/ID bar space					
D8	.425"	.425"	FWS logo width					Size is approximate
D9	.575"	.575"	ID bar/tille text (horizontal pos)					
D10	.7"	.7"	Left margin					
D11	.35"	.35"	County text (vertical pos)					
D12	.5"	.5"	Admin area text (vertical pos)					
D13	.15"	.15"	Range label offset					
D14	.15"	.15"	Range label spacing					
D15	.5"	.5"	Map subject text (vertical pos)					
D16	.05"	.05"	Geodetic label offset					2.8 point offset in ArcMap Graticule Label Setting
D17	.225"	.225"	ID bar height					
D18	1.4"	1.4"	Neatline to top of sheet					
D19	.15"	.15"	Township label offset					
D20	.15"	.15"	Township label spacing					
D21	.275"	.275"	Map notes text (vertical pos)					
D22	1.3"	1.3"	Neatline to bottom of sheet					
D23	.6"	.6"	Scale bar block (vertical pos)					
D24	N/A	N/A	RF text (vertical pos)					Map element not included on A size template
D25	.40"	.40"	North arrow width					
D26	4.5"	3.55"	Scale bar block (horizontal pos)					
D27	N/A	N/A	Legend block (horizontal pos)					Map element not included on A size template
D28	.10"	.10"	Map grid text (vertical pos)					
D29	.7"	.7"	Bottom of NA to neatline					
D30	.9"	.9"	Datum text (vertical pos)					
D31	.1"	.1"	Space between scale bars					
D32	.7"	.7"	Right margin					
D33	5.8"	8.3"	View frame height					Origin is lower left corner (X=.7, y=1.3)
D34	.9"	7.1"	View frame width					Origin is lower left corner (X=.7, y=1.3)
D35	N/A	N/A	Sheet number text (vertical pos)					Map element not included on A size template
D36	N/A	N/A	Legend block (vertical pos)					Map element not included on A size template
S1			ID bar text	Arial Narrow	Bold	White	9 pt	Offset .025" from bottom of banner; CS = .5; CW = 97; WS = 100
S2			Admin area name	Arial	Bold	Black	11 pt	CS = -.5; CW = 87; WS = 100
S3			Map subject text	Times New Roman	Bold/italic	Black	9 pt	Right justified with neatline and banner; CS = 3.0; CW = 110; WS = 115
S4			County/State text	Arial Narrow	Regular	Black	9 pt	CS = 1.75; CW = 99; WS = 99
S5			Township/Range text	Arial	Regular	Red	7 pt	All caps, one space between characters
S6			Geodetic tic length				14 pt	Set in ArcMap graticule properties, line width is 1 pt.
S7			Geodetic tic labels	Arial	Regular	Black	5 pt	Set in ArcMap graticule properties
S8			Map notes block	Arial Narrow	Regular	Black	6 pt	Left justified with neatline; CS = -2.0; CW = 87; WS = 135
S9			Scale bar block	Arial Narrow	Regular	Black	7 pt	CS = -2.0; CW = 87; WS = 135
S10			Map grid & datum labels	Arial Narrow	Regular	Black	6 pt	Right justified with neatline; CS = -2.0; CW = 87; WS = 135
S11			Neatline width				1 pt	
V1			RF text					Map element not included on A size template
V2			Sheetpage text					Map element not included on A size template
V3			Legend Block 1					Map element not included on A size template
V4			Legend Block 2					Size/dimensions will vary depending on scale of map
V5			Vicinity map					Size/dimensions will vary depending on scale of map
V6			Location map					Size/dimensions will vary depending on scale of map

NWRS STANDARD B SIZE MAP (STYLE SHEET)

12/28/2005

Spec Code	Landscape Dist	Portrait Dist	Description	Font	Style	Color	Size	Notes
D1	17"	11"	Page width					
D2	11"	17"	Page height					
D3	.5"	.5"	Top margin					
D4	.65"	.65"	Logo height					
D5	.075"	.075"	Logo space					
D6	.55"	.55"	NWRS logo width					Size is approximate
D7	.075"	.075"	Seals/ID Bar space					
D8	.55"	.55"	FWS logo width					Size is approximate
D9	.7"	.7"	ID bar/Title text (horizontal pos)					
D10	1"	1"	Left margin					
D11	.475"	.475"	County text (vertical pos)					
D12	.675"	.675"	Admin area text (vertical pos)					
D13	.20"	.20"	Range label offset					
D14	.175"	.175"	Range label spacing					
D15	.675"	.675"	Map subject text (vertical pos)					
D16	.065"	.065"	Geodetic label offset					3.5 point offset in ArcMap gaticule properties
D17	.3"	.3"	ID bar height					
D18	1.7"	1.7"	Neatline to top of sheet					
D19	.20"	.20"	Neatline to bottom of sheet					
D20	.175"	.175"	Township label offset					
D21	.45"	.45"	Township label spacing					
D22	1.7"	1.7"	Map notes text (vertical pos)					
D23	.8"	.8"	Neatline to bottom of sheet					
D24	N/A	N/A	Scale bar block (vertical pos)					Map element not included on B size template
D25	.5"	.5"	RF text (vertical pos)					
D26	7.5"	4.5"	North arrow width					
D27	N/A	N/A	Scale bar block (horizontal pos)					Map element not included on B size template
D28	.125"	.125"	Legend block (horizontal pos)					
D29	1"	1"	Map grid text (vertical spacing)					
D30	1.25"	1.25"	Bottom of NA to neatline					
D31	.1"	.1"	Datum text (vertical pos)					
D32	1"	1"	Space between scale bars					
D33	7.6"	13.6"	Right margin					
D34	15"	9"	View frame height					Origin is lower left corner (X=1, Y=1.7)
D35	N/A	N/A	View frame width					Origin is lower left corner (X=1, Y=1.7)
D36	N/A	N/A	Sheet number text (vertical pos)					Map element not included on B size template
S1			Legend block (vertical pos)					Map element not included on B size template
S2			ID bar text	Arial Narrow	Bold	White	12 pt	Offset .05" from bottom of banner; CS = .5; CW = 97; WS = 100
S3			Admin area name	Arial	Bold	Black	14 pt	CS = .5; CW = 87; WS = 100
S4			Map subject text	Times New Roman	Bold/Italic	Black	12 pt	Right justified with neatline and banner; CS = 3.0; CW = 110; WS = 115
S5			County/State text	Arial Narrow	Regular	Black	11 pt	CS = 1.75; CW = 99; WS = 99
S6			Township/Range text	Arial	Regular	Red	9 pt	All caps, one space between characters
S7			Geodetic tic length	Arial	Regular	Black	16 pt	Set in ArcMap gaticule properties, line width is 1 pt.
S8			Geodetic tic labels	Arial	Regular	Black	7 pt	Set in ArcMap gaticule properties
S9			Map notes block	Arial Narrow	Regular	Black	8 pt	Left justified with neatline; CS = -2.0; CW = 87; WS = 135
S10			Scale bar block	Arial Narrow	Regular	Black	8 pt	3 pt gap between the labels/numbers and the bar; CS = -2.0; CW = 87; WS = 135
S11			Map grid & datum labels	Arial Narrow	Regular	Black	7 pt	Right justified with neatline; CS = -2.0; CW = 87; WS = 135
V1			Neatline width				1 pt	
V2			RF text					Map element not included on B size template
V3			Sheet/page text					Map element not included on B size template
V4			Legend Block 1					Map element not included on B size template
V5			Legend Block 2					Size/dimensions will vary depending on scale of map
V6			Locality map					Size/dimensions will vary depending on scale of map

NWRS STANDARD C SIZE MAP (STYLE SHEET)

12/28/2005

Spec Code	Landscape Dist	Portrait Dist	Description	Font	Style	Color	Size	Notes
D1	.22"	.17"	Page width					
D2	.17"	.22"	Page height					
D3	1"	1"	Top margin					
D4	1"	1"	Logo height					
D5	.1"	.1"	Logo space					
D6	.85"	.85"	NWRS logo width					Size is approximate
D7	.1"	.1"	Seals/ID Bar space					Size is approximate
D8	.85"	.85"	FWS logo width					
D9	1.05"	1.05"	ID bar/Title text (horizontal pos)					
D10	1"	1"	Left margin					
D11	.5"	.5"	County text (vertical pos)					
D12	.85"	.85"	Admin area text (vertical pos)					
D13	.20"	.20"	Range label offset					
D14	.20"	.20"	Range label spacing					
D15	.85"	.85"	Map subject text (vertical pos)					4 pt offset in ArcMap Graticule Label Setting
D16	.075"	.075"	Geodetic label offset					
D17	.5"	.5"	ID bar height					
D18	2.7"	2.7"	Neatline to top of sheet					
D19	.20"	.20"	Neatline to bottom of sheet					
D20	.20"	.20"	Township label offset					
D21	.4"	.4"	Township label spacing					
D22	2.7"	2.7"	Map notes text (vertical pos)					
D23	1.2"	1.2"	Neatline to bottom of sheet					
D24	.75"	.75"	Scale bar block (vertical pos)					Left justified with the left edge of the scale bar block
D25	.6"	.6"	RF text (vertical pos)					
D26	10"	7.5"	North arrow width					
D27	N/A	N/A	Scale bar block (horizontal pos)					Map element not included on C size template
D28	.15"	.15"	Legend block (vertical spacing)					
D29	1.65"	1.65"	Map grid text (vertical pos)					
D30	1.35"	1.35"	Bottom of NA to neatline					
D31	.15"	.15"	Datum text (vertical pos)					
D32	1"	1"	Space between scale bars					
D33	11.6"	16.6"	Right margin					
D34	20"	15"	View frame height					Origin is lower left corner (X=1, Y=2.7)
D35	.5"	.5"	Sheet number text (vertical pos)					Origin is lower left corner (X=1, Y=2.7)
D36	N/A	N/A	Legend block (vertical pos)					
S1			ID bar text	Arial Narrow	Bold	White	20 pt	Map element not included on C size template
S2			Admin area name	Arial	Bold	Black	24 pt	Offset .05" from bottom of banner; CS = .5; CW = 87; WS = 100
S3			Map subject text	Times New Roman	Bold/Italic	Black	20 pt	Right justified and aligned with neatline and banner; CS = 3.0; CW = 110; WS = 115
S4			County/State text	Arial Narrow	Italic	Black	16 pt	CS = 1.75; CW = 99; WS = 99
S5			Township/Range text	Arial	Regular	Red	10 pt	All caps, one space between characters
S6			Geodetic tic length				18 pt	Set in ArcMap graticule properties, line width is 1 pt.
S7			Geodetic tic labels	Arial	Regular	Black	8 pt	Set in ArcMap graticule properties
S8			Map notes block	Arial Narrow	Regular	Black	12 pt	Left justified with neatline; CS = -2.0; CW = 87; WS = 135
S9			Scale bar block	Arial Narrow	Regular	Black	10 pt	Left justified with neatline; CS = -2.0; CW = 87; WS = 135
S10			Map grid & datum labels	Arial Narrow	Regular	Black	8 pt	4 pt gap between the labels/numbers and the bar; CS = -2.0; CW = 87; WS = 135
S11			Neatline width				1 pt	Right justified with neatline; CS = -2.0; CW = 87; WS = 135
V1			RF text	Arial Narrow	Regular	Black	10 pt	Left justified with edge of scale bar block; CS = -2.0; CW = 87; WS = 135
V2			Sheet/page text	Times New Roman	Regular	Black	16 pt	Right justified and aligned with the neatline and banner; CS = 3.0; CW = 110; WS = 115
V3			Legend Block 1					Map element not included on C size template
V4			Legend Block 2					Size/dimensions will vary depending on scale of map
V5			Vicinity map					Size/dimensions will vary depending on scale of map
V6			Location map					Size/dimensions will vary depending on scale of map

NWRS STANDARD D SIZE MAP (STYLE SHEET)

12/28/2005

Spec Code	Landscape Dist	Portrait Dist	Description	Font	Style	Color	Size	Notes
D1	.34"	.22"	Page width					
D2	.22"	.34"	Page height					
D3	1"	1"	Top margin					
D4	1.5"	1.5"	Logo height					
D5	.2"	.2"	Logo space					
D6	1.25"	1.25"	NWRS logo width					Size is approximate
D7	.2"	.2"	Seals/ID Bar space					Size is approximate
D8	1.25"	1.25"	FWS logo width					
D9	1.65"	1.65"	ID bar/Title text (horizontal pos)					
D10	1"	1"	Left margin					
D11	.55"	.55"	County text (vertical pos)					
D12	1"	1"	Admin area text (vertical pos)					
D13	.20"	.20"	Range label offset					
D14	.20"	.20"	Range label spacing					
D15	1"	1"	Map subject text (vertical pos)					4 pt offset in ArcMap Graticule Label Setting
D16	.075"	.075"	Geodetic label offset					
D17	.75"	.75"	ID bar height					
D18	3.35"	3.35"	Neatline to top of sheet					
D19	.20"	.20"	Neatline to top of sheet					
D20	.20"	.20"	Township label offset					
D21	.55"	.55"	Township label spacing					
D22	3.35"	3.35"	Map notes text (vertical pos)					
D23	1.45"	1.45"	Neatline to bottom of sheet					
D24	.85"	.85"	Scale bar block (vertical pos)					Left justified with the left edge of the scale bar block
D25	.75"	.75"	RF text (vertical pos)					
D26	16"	10"	North arrow width					
D27	10.5"	N/A	Scale bar block (horizontal pos)					Map element not included on D size portrait map
D28	.15"	.15"	Legend block (horizontal pos)					
D29	.2"	.2"	Map grid text (vertical spacing)					
D30	1.7"	1.7"	Bottom of NA to neatline					
D31	.2"	.2"	Datum text (vertical pos)					
D32	1"	1"	Space between scale bars					
D33	15.3"	27.3"	Right margin					
D34	32"	20"	View frame height					Origin is lower left corner (X=1, Y=3.35)
D35	.55"	.55"	Sheet number text (vertical pos)					Origin is lower left corner (X=1, Y=3.35)
D36	N/A	N/A	Legend block (vertical pos)					
S1			ID bar text	Arial Narrow	Bold	White	28 pt	Offset .10" from bottom of banner; CS = .5; CW = 97; WS = 100
S2			Admin area name	Arial	Bold	Black	36 pt	CS = .5; CW = 87; WS = 100
S3			Map subject text	Times New Roman	Bold/Italic	Black	25 pt	Right justified and aligned with neatline and banner; CS = 3.0; CW = 110; WS = 115
S4			County/State text	Arial Narrow	Regular	Black	25 pt	CS = 1.75; CW = 99; WS = 99
S5			Township/Range text	Arial	Regular	Red	10 pt	All caps, one space between characters
S6			Geodetic tic length				18 pt	Set in ArcMap graticule properties, line width is 1 pt.
S7			Geodetic tic labels	Arial	Regular	Black	8 pt	Set in ArcMap graticule properties
S8			Map notes block	Arial Narrow	Regular	Black	14 pt	Left justified with neatline; CS = -2.0; CW = 87; WS = 135
S9			Scale bar block	Arial Narrow	Regular	Black	12 pt	4 pt gap between the labels/numbers and the bar; CS = -2.0; CW = 87; WS = 135
S10			Map grid & datum labels	Arial Narrow	Regular	Black	8 pt	Right justified with neatline; CS = -2.0; CW = 87; WS = 135
S11			Neatline width				1 pt	
V1			RF text	Arial Narrow	Regular	Black	12 pt	Left justified with edge of scale bar block; CS = -2.0; CW = 87; WS = 135
V2			Sheet/page text	Times New Roman	Regular	Black	20 pt	Right justified and aligned with the neatline and banner; CS = 3.0; CW = 110; WS = 115
V3			Legend Block 1					Map element not included on portrait D size template
V4			Legend Block 2					Size/dimensions will vary depending on scale of map
V5			Vicinity map					Size/dimensions will vary depending on scale of map
V6			Location map					Size/dimensions will vary depending on scale of map

NWRS STANDARD E SIZE MAP (STYLE SHEET)

12/28/2005

Spec Code	Landscape Dist	Portrait Dist	Description	Font	Style	Color	Size	Notes
D1	45"	34"	Page width					Template is based on standard ANSI E sizes (43x34) but has 2 extra inches of adjustable margin
D2	34"	45"	Page height					Template is based on standard ANSI E sizes (43x34) but has 2 extra inches of adjustable margin
D3	1"	1"	Top margin					
D4	2"	2"	Logo height					
D5	.3"	.3"	Logo space					Size is approximate
D6	1.7"	1.7"	NWRS logo width					Size is approximate
D7	.3"	.3"	Seals/ID Bar space					Size is approximate
D8	1.7"	1.7"	FWS logo width					Size is approximate
D9	2.3"	2.3"	ID bar/Title text (horizontal pos)					Landscape map has an extra inch of binding edge for vertical hanging
D10	1.5"	1.5"	Left margin					
D11	.6"	.6"	County text (vertical pos)					
D12	1.3"	1.3"	Admin area text (vertical pos)					
D13	.3"	.3"	Range label offset					
D14	.20"	.20"	Range label spacing					
D15	1.3"	1.3"	Map subject text (vertical pos)					
D16	.1"	.1"	Geodetic label offset					6 pt offset in ArcMap Graticule Label Setting
D17	1"	1"	ID bar height					
D18	4"	4"	Neatline to top of sheet					
D19	.3"	.3"	Township label offset					
D20	.20"	.20"	Township label spacing					
D21	.6"	.6"	Map notes text (vertical pos)					
D22	4"	4"	Neatline to bottom of sheet					
D23	2"	2"	Scale bar block (vertical pos)					Left justified with the left edge of the scale bar block
D24	1.3"	1.3"	RF text (vertical pos)					
D25	.75"	.75"	North arrow width					
D26	20.5"	15.5"	Scale bar block (horizontal pos)					
D27	13"	10.75"	Legend block (horizontal pos)					
D28	.2"	.2"	Map grid text (vertical spacing)					
D29	2.4"	2.4"	Bottom of NA to neatline					
D30	2"	2"	Datum text (vertical pos)					
D31	.2"	.2"	Space between scale bars					
D32	1.5"	1.5"	Right margin					
D33	26"	36"	View frame height					Origin is lower left corner (landscape: X=2.5, Y=4) (portrait: X=1.5, Y=4)
D34	41"	31"	View frame width					Origin is lower left corner (landscape: X=2.5, Y=4) (portrait: X=1.5, Y=4)
D35	.6"	.6"	Sheet number text (vertical pos)					
D36	.6"	.6"	Legend block (vertical pos)					
S1			ID bar text	Arial Narrow	Bold	White	40 pt	Offset .10" from bottom of banner. CS = .5; CW = 97; WS = 100
S2			Admin area name	Arial	Bold	Black	45 pt	CS = .5; CW = 87; WS = 100
S3			Map subject text	Times New Roman	Bold/italic	Black	40 pt	Right justified and aligned with neatline and banner. CS = 3.0; CW = 110; WS = 115
S4			County/State text	Arial Narrow	Italic	Black	36 pt	CS = 1.75; CW = 99; WS = 99
S5			Township/Range text	Arial	Regular	Red	10 pt	All caps, one space between characters
S6			Geodetic tic length				27 pt	Set in ArcMap graticule properties, line width is 1 pt.
S7			Geodetic tic labels	Arial	Regular	Black	10 pt	Set in ArcMap graticule properties.
S8			Map notes block	Arial Narrow	Regular	Black	16 pt	Left justified with neatline. CS = -2.0; CW = 87; WS = 135
S9			Scale bar block	Arial Narrow	Regular	Black	12 pt	4 pt gap between the labels/numbers and the bar. CS = -2.0; CW = 87; WS = 135
S10			Map grid & datum labels	Arial Narrow	Regular	Black	12 pt	Right justified with neatline. CS = -2.0; CW = 87; WS = 135
S11			Neatline width				1 pt	
V1			RF text	Arial Narrow	Regular	Black	14 pt	Left justified with edge of scale bar block. CS = -2.0; CW = 87; WS = 135
V2			Sheet/page text	Times New Roman	Regular	Black	36 pt	Right justified and aligned with the neatline and banner. CS = 3.0; CW = 110; WS = 115
V3			Legend Block 1					Map element not included on portrait D size template
V4			Legend Block 2					Size/dimensions will vary depending on scale of map
V5			Vicinity map					Size/dimensions will vary depending on scale of map
V6			Location map					Size/dimensions will vary depending on scale of map