

WARSC LS7 Metadata Template v1.0
Ver 1.0 - 4/16/02

Identification_Information:**Citation:****Citation_Information:**

Originator: Washington State Remote Sensing Consortium (WARSC) - Olympia, WA
Publication_Date: 20020131
Title: WARSC Landsat 7 - TC20000730
Geospatial_Data_Presentation_Form: remote-sensing image
Online_Linkage: n/a

Description:

Abstract: This geometrically terrain-corrected LandSat7 image data set is made available through the Washington State Remote Sensing Consortium (WARSC). The data provided includes bands 1, 2, 3, 4, 5, 6, 7, 8 and 9. See Process Description for additional details.

Purpose: This specific dataset is one of seventeen scenes purchased and terrain corrected to create a statewide coverage of LandSat7 imagery from the year 2000 inventory.

Supplemental_Information:

The Landsat program provides a continuing stream of remote sensing data for monitoring and managing the Earth's resources. The launch of the Landsat-7 satellite on April 15, 1999, marks the addition of the latest satellite to the Landsat satellite series. Landsats 1, 2, and 3 carried the multispectral scanner (MSS) sensor and experimental return beam vidicon cameras. The Landsat-4 satellite carried the MSS and thematic mapper (TM) sensors as does the still currently flying Landsat-5 satellite. The sixth satellite in the Landsat series was unsuccessfully launched and did not achieve orbit. The Landsat-7 satellite carries the enhanced thematic mapper plus (ETM+) sensor. The launch of the Landsat-7 satellite is part of an ongoing mission to provide quality remote sensing data in support of research and applications activities.

Time_Period_of_Content:**Time_Period_Information:****Single_Date/Time:**

Calendar_Date: 20000730
Time_of_Day: 18:53:00

Currentness_Reference: ground condition

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None Planned

Spatial_Domain:**Bounding_Coordinates:**

West_Bounding_Coordinate: -122.41
East_Bounding_Coordinate: -119.40
North_Bounding_Coordinate: 47.00
South_Bounding_Coordinate: 45.04

Keywords:**Theme:**

Theme_Keyword: Landsat 7

Theme_Keyword: Remote Sensing
Theme_Keyword: Satellite Images
Theme_Keyword: Imagery
Theme_Keyword: Infrared Imagery
Theme_Keyword: Thematic Mapper+
Theme_Keyword: TM
Theme_Keyword: Radiance
Theme_Keyword: Visible Imagery
Theme_Keyword: Raster
Theme_Keyword: ETM+
Theme_Keyword: Reflectance
Theme_Keyword: Thermal
Theme_Keyword: Panchromatic

Place:

Place_Keyword: USA
Place_Keyword: WA
Place_Keyword: Washington State
Place_Keyword: Thurston County
Place_Keyword: Mason County
Place_Keyword: Grays Harbor County
Place_Keyword: Kitsap County
Place_Keyword: Jefferson County
Place_Keyword: Clallam County
Place_Keyword: Quinault Indian Reservation
Place_Keyword: Capitol State Forest
Place_Keyword: Olympic National Park
Place_Keyword: Hood Canal
Place_Keyword: Olympic National Forest
Place_Keyword: Olympia

Access_Constraints: No redistribution outside the Washington State Remote Sensing Consortium without Consortium written permission.

Point_of_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Jeff Holm

Contact_Organization: Washington Department of Information Services

Contact_Position:

Washington State Geographic Information Council
Coordinator

Contact_Address:

Address_Type: mailing and physical address

Address: 1110 SE Jefferson Street

Address: P.O. Box 42445

City: Olympia

State_or_Province: WA

Postal_Code: 98504-2445

Country: USA

Contact_Voice_Telephone: (360) 902.3447

Data_Set_Credit:

Washington State Remote Sensing Consortium and EROS Data Center

Security_Information:

Security_Classification: Unclassified

Browse_Graphic:

Browse_Graphic_File_Name:

http://www.wa.gov/gic/tm7/acq01_images/4727_073000.jpg

Data_Quality_Information:**Attribute Accuracy:**

Attribute Accuracy Report: Nominal ground sample distances or pixel sizes include 30 meters each for the six visible, near-infrared, and shortwave infrared bands, 60 meters for the thermal infrared band, and 15 meters for the panchromatic band.

Logical Consistency Report: Landsat-7 data are collected from a nominal altitude of 705 kilometers in a near-polar, near-circular, Sun-synchronous orbit at an inclination of 98.2 degrees, imaging the same 183-km swath of the Earth's surface every 16 days.

Completeness Report: The orbital pattern equates to a 233-orbit cycle with a swath sidelay that varies from approximately 7 percent at the Equator to nearly 84 percent at 81 degrees north or south latitude. The Landsat scenes are mapped to a global notation system called the Worldwide Reference System (WRS), annotating the nominal scene center of Landsat imagery using Path and Row designators.

Positional Accuracy:**Horizontal Positional Accuracy:****Horizontal Positional Accuracy Report:**

Number of EROS Geometric QA: Control Points12; RMS Along Track 8.35; RMS Across Track 5.78; RMS Combined 10.17 - See summary report (often referred to as EROS Work Order Report) in Documentation Directory on CD - See WARSC QA/QC report in CD Documentation Directory

Lineage:**Source_Information:****Source_Citation:****Citation_Information:**

Originator: USGS/EROS Data Center in Sioux Falls, SD
Publication_Date: 20000730
Publication_Time: 18:53:00
Title: EROS Data Center Landsat 7 Imagery 7047027000021250
Source_Scale_Denominator: Resolution 30 m
Type_of_Source_Media: CD-ROM

Source_Information:**Source_Citation:****Citation_Information:**

Originator: Washington State Department of Natural Resources - Olympia, WA
Publication_Date: 20010206
Title: Washington State 30 meter DEM (resampled from USGS 10m DEM)
Source_Scale_Denominator: Resolution 30 m

Process_Step:

Process_Description: This geometrically terrain corrected data product was created using EROS Data Center's National Landsat Archives Program L1T processing. Terrain correction utilized WA Department of Natural Resources 30 meter DEM (resampled from USGS 10 meter DEM). Metadata about these 10 meter DEMs can be accessed through <http://edcwww.cr.usgs.gov/webglis/index.html>. Resampling method was cubic convolution. EROS delivered data in NDF/BSQ format, WARSC reformatted for delivery in GEOTIFF. For details regarding the general NLAPS process Please see <http://edcwww.cr.usgs.gov/glis/hyper/guide/nlaps.html>. For specifics about this data product please see summary of processing history

report (also referred to as Work Order Report) or full Processing History Report in Documentation Directory on CD

Process_Date: 20011024
Process_Time: 10:01:40
Process_Contact:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: EROS Data Center Customer Service
 Contact_Organization: EROS Data Center
 Contact_Position:
 Contact_Voice_Telephone: 605-594-6151

 Contact_Electronic_Mail_Address: custserv@usgs.gov

Cloud_Cover: <= 10

Spatial_Data_Organization_Information:
 Direct_Spatial_Reference_Method: Raster
 Raster_Object_Information:
 Raster_Object_Type: Pixel
 Row_Count: 7411
 Column_Count: 7795
 Vertical_Count: 9

Spatial_Reference_Information:
 Horizontal_Coordinate_System_Definition:
 Grid_Coordinate_System:
 Grid_Coordinate_System_Name: State Plane Coordinate System 1983
 State_Plane_Coordinate_System:
 SPCS_Zone_Identifier: 4602
 Planar_Coordinate_Information:
 Planar_Coordinate_Encoding_Method: row and column
 Coordinate_Representation:
 Abscissa_Resolution: 30
 Ordinate_Resolution: 30
 Planar_Distance_Units: meters

Geodetic_Model:
 Horizontal_Datum_Name: North American Datum of 1983
 Ellipsoid_Name: NAD83

Distribution_Information:
 Distributor:
 Contact_Information:
 Contact_Person_Primary:
 Contact_Person: Jeff Holm
 Contact_Organization: Washington Department of Information Services
 Contact_Position:
 Washington State Geographic Information Council
 Coordinator
 Contact_Address:
 Address_Type: mailing and physical address

Address: 1110 SE Jefferson Street
Address: P.O. Box 42445
City: Olympia
State_or_Province: WA
Postal_Code: 98504-2445
Country: USA

Contact_Voice_Telephone: 360.902.3447

Distribution_Liability: Although these data have been processed successfully on a computer system at the USGS, no warranty expressed or implied is made by the USGS or WARSC regarding the use of the data on any other system, nor does the act of distribution constitute any such warranty. The WARSC will warrant the delivery of this product in source computer-readable format and will offer replacement CD when the physical medium is delivered in damaged condition. Requests for adjustment of credit must be made within 30 days from the date of this shipment from the order site.

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 260 (approx. in megabytes)

Metadata_Reference_Information:

Metadata_Date: 20020111

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Washington State Remote Sensing Consortium

Contact_Person: Jeff Holm

Contact_Position:

Contact_Address:

Contact_Voice_Telephone: 360.902.3447

Metadata_Standard_Name:

FGDC Content Standards for Digital Geospatial

Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time