

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
Anno	All	POWER Engineers, Inc from various atlas and DRG sources	1:400,000	June 2008	None
Anno_100K	All	POWER Engineers, Inc from various atlas and DRG sources	1:100,000	June 2008	None
Anno_24K	Owner_Anno	POWER Engineers, Inc from NRIS CAMA Database	1:24,000	Mar 2008	None
Biology	Animal_SOC_Idaho_Bald_Eagle	Idaho Conservation Data Center Bald Eagle Polygons	NA	Jan 2008	Confidential Dataset
	Animal_SOC_Idaho_Buffer_2Mile	Idaho Conservation Data Center Species of Concern Points Buffered by 2 Miles	NA	Jan 2008	Confidential Dataset
	Animal_SOC_Idaho_Points	Idaho Conservation Data Center Species of Concern Points	NA	Jan 2008	Confidential Dataset
	Animal_SOC_Idaho_points_2007	Idaho Conservation Data Center Species of Concern Points	NA	July 2007	Confidential Dataset
	Animal_SOC_Montana_POD_Buffer_2Mile	Montana Natural Heritage Program Point Observance Data for Animals Species of Concern centroids buffered by 2 Miles	NA	Apr 2007	Confidential Dataset
	Animal_SOC_Montana_POD_Points	Montana Natural Heritage Program Point Observance Data for Animals Species of Concern centroids	NA	Apr 2007	Confidential Dataset
	Animal_SOC_Montana_SOC_Buffer_2Mile	Montana Natural Heritage Program Species of Concern centroids buffered by 2 Miles	NA	July 2007	Confidential Dataset
	Animal_SOC_Montana_SOC_Points	Montana Natural Heritage Program Species of Concern centroids	NA	July 2007	Confidential Dataset
	AWL_Wildlife_Linkage_Corridors	American Wildlands wildlife linkage corridors	NA	2008	Requires Permission
	Bighorn_Sheep_Idaho	Idaho Fish and Game from Interior Columbia Basin Ecosystem Management Project	1:2,000,000	Mar 2004	As defined by the data author
	Bighorn_Sheep_Montana	Montana Fish, Wildlife, and Parks	1:250,000	2003	As defined by the data author
	Breeding_Bird_Survey_Routes	US Geological Survey, The North American Breeding Bird Survey, Route Level Trend and Relative Abundance Analysis 1966 - 2003	NA	2004	As defined by the data author
	Elk_Idaho_Summer_Critical	Idaho Fish and Game from Rocky Mountain Elk Foundation	1:1,000,000	Feb 1999	As defined by the data author
	Elk_Idaho_Winter	Idaho Fish and Game from Rocky Mountain Elk Foundation	1:1,000,000	Feb 1999	As defined by the data author
	Elk_Idaho_Winter_Critical	Idaho Fish and Game from Rocky Mountain Elk Foundation	1:1,000,000	Feb 1999	As defined by the data author
	Elk_Montana	Montana Fish, Wildlife, and Parks from Rocky Mountain Elk Foundation	1:250,000	Dec 1999	As defined by the data author
	Field_Points_Dave	POWER Engineers, Inc field photo points	GPS Points	2007-2008	As defined by the data author
	High_Sensitivity_Plants	Idaho Conservation Data Center - Used for Siting Study	1:24,000	June 2006	Confidential Dataset
	Idaho_CDC_Botanical_Reduced	Idaho Conservation Data Center - Used for Siting Study	NA	Apr 2004	Confidential Dataset
	Idaho_CDC_Data	Idaho Conservation Data Center	NA	Apr 2004	Confidential Dataset
	Idaho_CDC_Wildlife_Reduced	Idaho Conservation Data Center - Used for Siting Study	NA	Apr 2004	Confidential Dataset
	Idaho_Sage_Grouse_Leks_FG	Idaho Conservation Data Center	NA	July 2007	Confidential Dataset
	Montana_Bald_Eagle_Nest_4000m_Buffer	Montana Fish, Wildlife, and Parks Bald Eagle Survey Data with 4000 Meter Buffer	NA	2008	Confidential Dataset
	Montana_Bald_Eagle_Nest_800m_Buffer	Montana Fish, Wildlife, and Parks Bald Eagle Survey Data with 800 Meter Buffer	NA	2008	Confidential Dataset
	Montana_NHP_Botanical_Reduced	Montana Natural Heritage Program - Used for Siting Study		June 2006	Confidential Dataset
	Montana_NHP_Site	Montana Natural Heritage Program		June 2006	Confidential Dataset
	Montana_NHP_Soc	Montana Natural Heritage Program		June 2006	Confidential Dataset
	Montana_NHP_Wildlife_Reduced	Montana Natural Heritage Program - Used for Siting Study		June 2006	Confidential Dataset
	Montana_Sage_Grouse_Leks_Spreadsheet	Montana Fish, Wildlife, and Parks survey requested by NorthWestern Energy for the MSTI project	GPS Points	2007	Confidential Dataset
	Moose_Montana	Montana Fish, Wildlife, and Parks	1:250,000	1996	As defined by the data author
	Mule_Deer_Idaho_Winter	Idaho Fish and Game from Utah State University	1:250,000	Dec 2004	As defined by the data author
	Mule_Deer_Idaho_Winter_Critical	Idaho Fish and Game from Utah State University	1:250,000	Dec 2004	As defined by the data author
	Mule_Deer_Montana	Montana Fish, Wildlife, and Parks	1:250,000	May 2004	As defined by the data author
	Plants_SOC_Idaho	Idaho Conservation Data Center	NA	Jan 2008	Confidential Dataset
Plants_SOC_Montana	Montana Natural Heritage Program	NA	July 2007	Confidential Dataset	

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution¹	Date	Use Limitations
	Pronghorn_Idaho_Distribution	Idaho Fish and Game	NA	2000	As defined by the data author
	Pronghorn_Idaho_Population	Idaho Fish and Game	NA	2000	As defined by the data author
	Pronghorn_Montana	Montana Fish, Wildlife, and Parks	1:250,000	Mar 2004	As defined by the data author
	Raptor_Management_Area	Bureau of Land Management Dillon Field Office	1:100,000	Jan 2006	As defined by the data author
	Sage_Grouse_Habitat_Idaho	Idaho Fish and Game and Bureau of Land Management	1:100,000	May 2004	As defined by the data author
	Sage_Grouse_Habitat_Idaho_FG_2006	Idaho Fish and Game updated with burn areas	1:100,000	Fall 2006	As defined by the data author
	Sage_Grouse_Habitat_Montana	Montana Fish, Wildlife, and Parks	1:100,000	Aug 2001	As defined by the data author
	Sage_Grouse_Surveys_Montana	Montana Fish, Wildlife, and Parks survey requested by NorthWestern Energy for the MSTI project	GPS Points	2007	Confidential Dataset
	Waterfowl_Production_Area	Bureau of Land Management Dillon Field Office	1:100,000	June 2004	As defined by the data author
Boundary	County_Boundaries	ESRI Data and Maps CD	1:24,000	2006	As defined by the data author
	Idaho_BLM_Field_Office	Bureau of Land Management	1:100,000	June 2004	As defined by the data author
	Idaho_City_Boundaries	INSIDE Idaho Website	1:100,000	2000	As defined by the data author
	Idaho_City_Boundaries_Clip	INSIDE Idaho Website - Clipped to Siting Study Area	1:100,000	2000	As defined by the data author
	Mapbook_100K_Index	POWER Engineers, Inc 1:100,000 Map Book Page Layout	NA	Feb 2008	As defined by the data author
	Mapbook_100K_Mask_2miles	POWER Engineers, Inc 2 Mile Mask of Centerlines	NA	2008	As defined by the data author
	Mapbook_Index	POWER Engineers, Inc 1:24,000 Map Book Page Layout	NA	June 2008	As defined by the data author
	Montana_BLM_Field_Office	Montana Natural Resources Information System	1:100,000	Feb 2003	As defined by the data author
	Montana_City_Boundaries	Montana Natural Resources Information System	1:250,000	Feb 1991	As defined by the data author
	Montana_City_Boundaries_Clip	Montana Natural Resources Information System - Clipped to Siting Study Area	1:250,000	Feb 1991	As defined by the data author
	Quads_100K_Boundary	ESRI Data and Maps CD	1:100,000	2006	As defined by the data author
	Quads_24K_Boundary	ESRI Data and Maps CD	1:24,000	2006	As defined by the data author
	State_Boundaries	ESRI Data and Maps CD	1:24,000	2006	As defined by the data author
	US_Forest_Service_Boundaries	US Forest Service Website	NA	NA	As defined by the data author
	Anaconda_Butte_Historic_District	Montana SHPO	1:24,000	2008	Confidential Dataset
	Cult_SA_All_Survey_Lines	Idaho and Montana SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_All_Survey_Polygons	Idaho and Montana SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_ID_BLM_Projects	Bureau of Land Management Idaho State Office - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_ID_BLM_Surveys	Bureau of Land Management Idaho State Office - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_ID_Site_Lines	Idaho SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_ID_Site_Points	Idaho SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_ID_Site_Polygons	Idaho SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_MT_Heli_Sites	POWER Engineers, Inc Helicopter Survey - within Half Mile	GPS Points	June 2008	Confidential Dataset
	Cult_SA_MT_Site_Lines	Montana SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_MT_Site_Points	Montana SHPO - within Half Mile	1:24,000	2008	Confidential Dataset

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
Cultural	Cult_SA_MT_Site_Polygons	Montana SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_MT_Survey_Points	Montana SHPO - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_National_Reg_Point	National Register of Historic Places - within Half Mile	1:24,000	2008	Confidential Dataset
	Cult_SA_National_Reg_Points	National Register of Historic Places - within Half Mile	1:24,000	2008	Confidential Dataset
	Cultural_Sites_Montana_2Miles	Montana SHPO potential records within 2 miles	1:24,000	2008	Confidential Dataset
	Heli_Site_points	POWER Engineers, Inc Helicopter Survey	GPS Points	June 2008	Confidential Dataset
	ID_SHPO_site_lines	Idaho SHPO - All Lines	1:24,000	2008	Confidential Dataset
	ID_SHPO_site_point_real	Idaho SHPO - All Points of Relevance	1:24,000	2008	Confidential Dataset
	ID_SHPO_site_points	Idaho SHPO - All Points	1:24,000	2008	Confidential Dataset
	ID_SHPO_site_polys	Idaho SHPO - All Polygons	1:24,000	2008	Confidential Dataset
	Idaho_BLM_Projects	Bureau of Land Management Idaho State Office	1:24,000	2008	Confidential Dataset
	Idaho_BLM_Surveys	Bureau of Land Management Idaho State Office	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Archeo	Idaho SHPO	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Canals	Idaho SHPO	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Emigrant	Idaho SHPO	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Historic	Idaho SHPO	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Large	Idaho SHPO	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Newroads	Idaho SHPO	1:24,000	2008	Confidential Dataset
	Idaho_SHPO_Railroads	Idaho SHPO	1:24,000	2008	Confidential Dataset
	MT_site_lines	Montana SHPO	1:24,000	2008	Confidential Dataset
	MT_site_points	Montana SHPO	1:24,000	2008	Confidential Dataset
	MT_site_poly	Montana SHPO	1:24,000	2008	Confidential Dataset
	National_Register_Centroids_1	National Register of Historic Places	1:24,000	2008	Confidential Dataset
	National_Register_Centroids_2	National Register of Historic Places	1:24,000	2008	Confidential Dataset
	National_Register_Points_1	National Register of Historic Places	1:24,000	2008	Confidential Dataset
	National_Register_Points_2	National Register of Historic Places	1:24,000	2008	Confidential Dataset
	Potential_Sacred_Sites_Montana	Siting Study TRSQS of Potential Sacred Site in Montana	NA	2008	Confidential Dataset
Register_Eligible_Sections_Montana	Siting Study TRS of Potential National Register Eligible Sites in Montana	NA	2008	Confidential Dataset	
survey_areas_MT_ID	Idaho and Montana SHPO	1:24,000	2008	Confidential Dataset	
survey_lines_MT_ID	Idaho and Montana SHPO	1:24,000	2008	Confidential Dataset	
survey_points_MT	Montana SHPO	1:24,000	2008	Confidential Dataset	
Geology	Contacts_Merged	Compiled by Kleinfelder and POWER Engineers, Inc from Montana Bureau of Mines and Geology and Idaho Geological Survey maps, varying from 250K to 100K	Var	Var	None
	Contacts_Merged_haz	Compiled by Kleinfelder and POWER Engineers, Inc from Montana Bureau of Mines and Geology and Idaho Geological Survey maps, varying from 250K to 100K, with geohazard assessment data added	Var	Var	None
	Contour_Lines	Derived from National Elevation Dataset by POWER Engineers, Inc	41m pixel	2008	None
	Faults_Idaho	INSIDE Idaho Website	NA	Feb 2004	None
	Faults_Montana	Montana Bureau of Mines and Geology	1:500,000	1955	As defined by the data author
	Faults_Western_US	Kleinfelder	NA	NA	None
	Horizontal_Acceleration	Kleinfelder	NA	NA	None
	Percent_Slope	Derived from National Elevation Dataset by POWER Engineers, Inc, reclassified into 0 to 8%, 8 to 15%, 15 to 30% and >30%	41m pixel	2007	None
	Surficial_Geology_Idaho	INSIDE Idaho Website from US Geological Survey	1:500,000	1978	As defined by the data author
Surficial_Geology_Montana	Montana Bureau of Mines and Geology	1:500,000	1955	As defined by the data author	
Conservation	Conservation_Easements_Montana_2007	Montana Natural Resources Information System from Montana Natural Heritage Program	1:100,000	Jan 2007	As defined by the data author
	Jurisdiction_Idaho	INSIDE Idaho Website from Bureau of Land Management Idaho State Office	1:100,000	Feb 2005	As defined by the data author
	Jurisdiction_Idaho_2008	INSIDE Idaho Website from Bureau of Land Management Idaho State Office	1:100,000	Feb 2008	As defined by the data author

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
Jurisdiction	Jurisdiction_Montana	Montana Natural Resources Information System from Montana Natural Heritage Program	1:100,000	May 2003	As defined by the data author
	Jurisdiction_Montana_2007	Montana Natural Resources Information System from Montana Natural Heritage Program	1:100,000	Jan 2007	As defined by the data author
	Jurisdiction_Wyoming	Wyoming GAP Analysis	1:100,000	Dec 1996	As defined by the data author
	Lava_Lake_Ranch_Conservation_Easement	POWER Engineers, Inc Derived from Blain County, Idaho parcel layer	NA	May 2006	Confidential Dataset
	Limestone_Hills_Training_Area	Map from Tetra Tech EMI GIS databases	Na	June 2006	As defined by the data author
	Military_Training_Routes	National Aeronautical Charting Office Sectional Aeronautical charts	1:500,000	Var	As defined by the data author
	Roadless_Areas	US Forest Service	1:100,000	NA	As defined by the data author
	Special_Management_Areas	Compiled by POWER Engineers, Inc from various BLM, USFS offices throughout the Western United States	Var	Var	None
	Abandoned_Mines	Montana Natural Resources Information System from Montana Bureau of Mines and Geology	NA	Oct 2006	As defined by the data author
	Abandoned_mines_wi_2miles	Montana Natural Resources Information System from Montana Bureau of Mines and Geology within 2 Miles of Routes	NA	Oct 2006	As defined by the data author
	Additional_Mines	Montana Natural Resources Information System from Montana Bureau of Mines and Geology	NA	Oct 2006	As defined by the data author
	AM_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	Apiaries	Montana Department of Ag provided a spreadsheet of locations and POWER GIS created a shapefile of the locations	Var	Mar 2008	None
	ASR_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	BDNF_Proposed_Utility_Corridors	Beaverhead-Deerlodge National Forest	NA	Feb 2006	As defined by the data author
	BLM_Community_Pits	Montana BLM planning documents	Var	Var	As defined by the data author
	Cellular_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	CRP_Lands_Idaho	USDA Farm Service Agency	1:24,000	Apr 2008	As defined by the data author
	CRP_Lands_Montana	USDA Farm Service Agency	1:24,000	Apr 2008	As defined by the data author
	DEIS_Corridors	Bureau of Land Management Idaho State Office	1:100,000	July 2005	As defined by the data author
	FM_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	Grazing_Allotments	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author
	Grazing_Pastures	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author
	Greater_Yellowstone_Ecosystem	Northern Rocky Mountain Science Center	1:100,000	April 2007	As defined by the data author
	Hard_Rock_Mines	Idaho Department of Lands spreadsheet converted to GIS by POWER	Var	Mar 2008	None
	ID_permitted_Mines	Idaho Department of Lands spreadsheet converted to GIS by POWER	Var	Mar 2008	None
	Idaho_GNIS_Schools	INSIDE Idaho Website	NA	2006	As defined by the data author
	Idaho_Hazmat_Line	Idaho Department of Lands spreadsheet converted to GIS by POWER	Var	Mar 2008	None

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
Land Use	Idaho_Hazmat_poly	Idaho Department of Lands spreadsheet converted to GIS by POWER	Var	Mar 2008	None
	Land_Use_Cover	Interpreted from NAIP Photos for Idaho (2004) and Montana (2005) within 1 to 2 miles of route centerlines by POWER Engineers, Inc	1:10,000	2004-2005	None
	LM_BCast_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	LM_Comm_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	LM_Private_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	MDS_ITFS_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	Microwave_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	Military_Training_Route_Buffer	POWER buffered information provided by National Aeronautical Charting Office Sectional Aeronautical charts	NA	Mar2008	None
	Mineral_Material_Deposit_Site	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author
	Mineral_Material_Deposit_Site_add	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author
	Mining_Claims_Active_BLM	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author
	Montana_GNIS_Schools	Montana Natural Resources Information System	NA	2006	As defined by the data author
	MT_Dept_Rev_Ag_Lands	Montana Department of Revenue	NA	Nov 2007	As defined by the data author
	MT_Dept_Rev_Timber	Montana Department of Revenue	NA	Nov 2007	As defined by the data author
	Ney_Ranch_Rec_Site	BLM Dillon FO provided location, POWER created shapefile	NA	Mar2008	None
	Oil_Gas_Leases	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author
	Opencut_Mining_Permits	Montana Natural Resources Information System from US Bureau of Mines and US Geological Survey	1:100,000	Var	As defined by the data author
	Other_Permitted_Mines	Montana Natural Resources Information System from US Bureau of Mines and US Geological Survey	1:100,000	July 1995	As defined by the data author
	Paging_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
	Parcel_Density_Idaho_SA	Siting Study Parcel Density - Blaine County, Idaho	NA	NA	As defined by the data author
	Parcel_Density_Montana_SA	Siting Study Parcel Density - Montana	NA	NA	As defined by the data author
	Planned_Land_Use	Compiled by POWER Engineers, Inc from County Clerk/Register Databases	NA	May 2008	None
	Recreation_Points	Compiled from various sources such as Google Earth and Bureau of Land Management GeoCommunicator Website by POWER Engineers, Inc	NA	May 2008	None
	Residential_Clusters	Calculated from Structures Point density by POWER Engineers, Inc	NA	June 2008	None
	Structures	Interpreted from NAIP Photos for Idaho (2004) and Montana (2005) within 5 miles of route centerlines by POWER Engineers, Inc except in Madison County, Montana from FEMA Funded State Dataset	1:10,000	2004-2005	None
	TV_DIGITAL_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author
TV_NTSC_ID_and_MT	Federal Communications Commission Database	NA	Mar 2007	As defined by the data author	
Wind_Energy_Authorization_Site	Bureau of Land Management GeoCommunicator Website	1:100,000	Nov 2007	As defined by the data author	

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters					
Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
	WWEC_Proposed_Energy_Corridor_Lines	West-Wide Energy Corridors Website	NA	2008	As defined by the data author
	WWEC_Proposed_Energy_Corridor_Poly	West-Wide Energy Corridors Website	NA	2008	As defined by the data author
Paleontology	Areas_of_Sensitivity_along_Centerline	Sensitive areas along route centerline identified by Archadis	NA	2008	Confidential Dataset
	Paleontological_Sensitivity	Sensitive areas along route centerline identified by Archadis	NA	2008	Confidential Dataset
Parcels	Beaverhead_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Blaine_ID_County_Parcels	Blaine County Assessor's Office	NA	May 2006	Confidential Dataset
	Broadwater_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Deer_Lodge_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Gallatin_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Jefferson_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Madison_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Powell_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
	Silver_Bow_County_Parcels	Montana Natural Resources Information System CAMA Database	NA	Feb 2008	As defined by the data author
PLSS	Sections_Idaho	INSIDE Idaho Website from Bureau of Land Management Idaho State Office	1:100,000	Feb 2005	As defined by the data author
	Sections_Montana	Montana Natural Resources Information System	1:100,000	Mar 1996	As defined by the data author
	Townships_Idaho	INSIDE Idaho Website from Bureau of Land Management Idaho State Office	1:100,000	Feb 2005	As defined by the data author
	Townships_Montana	Montana Natural Resources Information System	1:100,000	Mar 1996	As defined by the data author
Routes	Mask_Five_Miles_051308	POWER Engineers, Inc.	NA	May 2008	None
	Mask_Half_Mile	POWER Engineers, Inc.	NA	May 2008	None
	Mask_One_Mile	POWER Engineers, Inc.	NA	May 2008	None
	Mask_Two_Miles_051308	POWER Engineers, Inc.	NA	May 2008	None
	Route_Callout_Lines	POWER Engineers, Inc.	NA	May 2008	None
	Route_Callout_Lines_100K	POWER Engineers, Inc.	NA	May 2008	None
	Route_Callout_Points	POWER Engineers, Inc.	NA	May 2008	None
	Route_Callout_Points_100K	POWER Engineers, Inc.	NA	May 2008	None
	Route_Centerlines	POWER Engineers, Inc.	NA	May 2008	None
	Route_Corridors	POWER Engineers, Inc.	NA	May 2008	None
	Route_Final_Graphic_Routes_400K	POWER Engineers, Inc.	NA	May 2008	None
	Route_Final_Graphic_Routes_8halfby11	POWER Engineers, Inc.	NA	May 2008	None
	Route_Impact_Lines	POWER Engineers, Inc.	NA	May 2008	None
	Route_Length_Lines	POWER Engineers, Inc.	NA	May 2008	None
	Route_Nodes	POWER Engineers, Inc.	NA	May 2008	None
	Route_Selection_Graphic_Routes	POWER Engineers, Inc.	NA	May 2008	None
	Routes_Considered_But_Eliminated	POWER Engineers, Inc.	NA	May 2008	None
	Rte_Cent_Intersect_byCounty	POWER Engineers, Inc.	NA	May 2008	None
Sensitivity Data	Biology_Exclusion	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Biology_High_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Biology_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Composite_Exclusion	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Composite_High_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Composite_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Cultural_Exclusion	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Cultural_High_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Cultural_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Earth_Resources_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
	Land_Use_Exclusion	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Land_Use_Exclusion_Point	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Land_Use_High_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Land_Use_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Land_Use_Moderate_Sensitivity_Line	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Visual_Exclusion	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Visual_High_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Visual_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
	Water_Moderate_Sensitivity	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
Soil	SSURGO_Soil	USDA Natural Resource Conservation Service	1:24,000	Jan 2008	As defined by the data author
	STATSGO_Soil	USDA Natural Resource Conservation Service	1:100,000	Jan 2008	As defined by the data author
Study Area	Siting_Study_Area	POWER Engineers, Inc. for Siting Study	NA	Sept 2006	None
Transportation	Airport_Points	Federal Aviation Association Database	NA	Jan 2007	As defined by the data author
	All_Roads_Idaho	INSIDE Idaho Website from US Census Bureau	1:100,000	2000	As defined by the data author
	All_Roads_Montana	Montana Natural Resources Information System from US Census Bureau	1:100,000	2001	As defined by the data author
	Major_Roads_Idaho	INSIDE Idaho Website from US Census Bureau	1:100,000	2000	As defined by the data author
	Major_Roads_Montana	Montana Natural Resources Information System	1:100,000	2000	As defined by the data author
	Major_Roads_Wyoming	Wyoming GAP Analysis	1:100,000	2000	As defined by the data author
	Project_Access_Roads	Interim access road coverage at stage of progress	var	NA	As defined by the data author
	Project_Access_Roads_KS	Final Access Roads that could be used for project, interpreted from NAIP by POWER Engineers, Inc.	1:10,000	Jan 2008	None
	Railroads_Idaho	INSIDE Idaho Website from US Census Bureau	1:100,000	2000	As defined by the data author
Railroads_Montana	Montana Natural Resources Information System from US Census Bureau	1:100,000	2000	As defined by the data author	
Utility	DEIS_Westwide_Utility_Corridor_Areas	West-Wide Energy Corridors Website	NA	2008	As defined by the data author
	DEIS_Westwide_Utility_Corridor_Centerline	West-Wide Energy Corridors Website	NA	2008	As defined by the data author
	Facility_Footprints	Digitized by POWER Engineers, Inc from various sources (NAIP, Google Earth, DRG)	var	var	As defined by the data author
	Petroleum_Pipeline	Digitized from USGS Digital Raster Graphics	1:24,000	NA	As defined by the data author
	Proposed_Substation_Footprints	Digitized on NAIP with site dimensions	NA	June 2008	As defined by the data author
	Substation_Points	Centroids of several Facility Footprints	NA	NA	As defined by the data author
	Utility_Lines	Digitized by POWER Engineers, Inc from various sources (NAIP, Google Earth, DRG)	var	var	None
	All_Road_and_Rec_Viewers	Compiled by POWER Engineers, Inc. from various recreation point layers and points placed along the centerlines of scenic roads, trails, and waterways	NA	Feb 2008	None
	BDL_SIO_Level_1	Calculated by POWER Engineers, Inc. from parameters determined by Beaverhead-Deerlodge National Forest	NA	Apr 2008	None
	BDL_SIO_Level_2	Calculated by POWER Engineers, Inc. from parameters determined by Beaverhead-Deerlodge National Forest	NA	Apr 2008	None
	BLM_VRM	Compiled by POWER Engineers, Inc. from VRM coverages of all field offices available throughout the study area	1:100,000	var	None

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
Visual	National_Scenic_Byways	POWER Engineers Inc. selected all National Scenic Byways from the ALL_Roads_Montana and All_Roads_Idaho feature classes in the Transportation feature dataset	1:100,000	Jan 2008	None
	National_Scenic_or_Historic_Trails	Compiled by POWER Engineers, Inc. from various sources	var	Jan 2008	None
	Park_High_Background	POWER Engineers Inc. Viewshed Analysis	NA	Feb 2008	None
	Park_High_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Feb 2008	None
	Park_High_Immediate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Feb 2008	None
	Park_High_Middleground	POWER Engineers Inc. Viewshed Analysis	NA	Feb 2008	None
	Park_High_Sens_for_Visual_Analysis	Selection from All_Road_and_Rec_Viewers	NA	Feb 2008	None
	Park_Moderate_Background	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Park_Moderate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Park_Moderate_Immediate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Park_Moderate_Middleground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Park_Moderate_Sens_for_Visual_Analysis	Selection from All_Road_and_Rec_Viewers	NA	Mar 2008	As defined by the data author
	Photo_Location_Pts	GPS points of photos collected on field visit	GPS Points	May 2008	As defined by the data author
	Photo_Simulation_Pts	Points of where visual simulations where performed	GPS Points	Apr 2008	As defined by the data author
	Residences_for_Visual_Analysis	Selection from Structures in Land Use feature dataset	NA	Mar 2008	As defined by the data author
	Residential_Background	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Residential_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Residential_Immediate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Residential_Middleground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_High_Background	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_High_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_High_Immediate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_High_Middleground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_High_Sens_for_Visual_Analysis	Selection from All_Road_and_Rec_Viewers	NA	Mar 2008	As defined by the data author
	Road_Moderate_Background	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_Moderate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
	Road_Moderate_Immediate_Foreground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None
Road_Moderate_Middleground	POWER Engineers Inc. Viewshed Analysis	NA	Mar 2008	None	
Road_Moderate_Sens_for_Visual_Analysis	Selection from All_Road_and_Rec_Viewers	NA	Mar 2008	None	
Scenic_Quality	Interpreted from photography and field visits by POWER Engineers, Inc.	NA	Jan 2008	None	
USFS_VQO	Compiled by POWER Engineers, Inc. from VQO coverages of all field offices available throughout the study area	1:100,000	var	None	
Water	FEMA_Q3_Floodplains	Compiled by POWER Engineers, Inc from available FEMA Q3 Floodplains data	1:100,000	var	None
	NWI_Lines	Compiled by POWER Engineer, Inc. from available digital NWI data and digitized available hard copy NWI maps	1:24,000	var	None
	NWI_Polys	Compiled by POWER Engineer, Inc. from available digital NWI data and digitized available hard copy NWI maps	1:24,000	var	None
	Rivers_Idaho	INSIDE Idaho Website from US Geological Survey	1:100,000	1996	As defined by the data author
	Rivers_Idaho_Detailed	INSIDE Idaho Website from US Geological Survey	1:100,000	1996	As defined by the data author
	Rivers_Montana	Montana Natural Resources Information System	1:100,000	2000	As defined by the data author
	Rivers_Montana_Detailed	Montana Natural Resources Information System from US Geological Survey NHD Data	1:100,000	2000	As defined by the data author
	Rivers_Wyoming	Wyoming GAP Analysis	1:100,000	NA	As defined by the data author
	SSURGO_Wetland_Areas	POWER Engineers, Inc. used hydric soils locations from the SSURGO database to identify wetlands on NAIP photography throughout the study corridor	1:10,000	2004-2005	None

MSTI Geodatabase : All Datasets in UTM Zone 12 NAD83 Meters

Feature Dataset	Feature Class	Source of Data	Intended Scale or Resolution ¹	Date	Use Limitations
	Water_Bodies_Idaho	INSIDE Idaho Website from US Geological Survey	1:100,000	1996	As defined by the data author
	Water_Bodies_Montana	Montana Natural Resources Information System from US Geological Survey NHD Data	1:100,000	2000	As defined by the data author
	Water_Bodies_Wyoming	Wyoming GAP Analysis	1:100,000	NA	As defined by the data author
None (Root)	Comp_Idaho	USDA Natural Resources Conservation Service SSURGO Database	NA	2008	As defined by the data author
	Comp_Montana	USDA Natural Resources Conservation Service SSURGO Database	NA	2008	As defined by the data author
	GAP_Idaho_Area	Idaho GAP Analysis	30m pixel	Feb 1999	As defined by the data author
	GAP_Idaho_Area_Clip	Idaho GAP Analysis clipped to Siting Study Area	30m pixel	Feb 1999	As defined by the data author
	GAP_Montana_Area	Montana GAP Analysis	30m pixel	1998	As defined by the data author
	GAP_Montana_Area_Clip	Montana GAP Analysis clipped to Siting Study Area	30m pixel	1998	As defined by the data author
	Hillshade	Derived from National Elevation Dataset by POWER Engineers, Inc.	41m pixel	2006	None
	Mapunit_Idaho	USDA Natural Resources Conservation Service SSURGO Database	NA	2008	As defined by the data author
	Mapunit_Montana	USDA Natural Resources Conservation Service SSURGO Database	NA	2008	As defined by the data author
	Mask_Five_Miles	POWER created this data set for the purpose of displaying data w/in the 5-miles study corridor	var	2008	None
	Mask_Two_Miles	POWER created this data set for the purpose of displaying data w/in the 2-miles study corridor	var	2008	None
	Montana_Cultural_Sites	Montana SHPO table of cultural sites within siting study area	NA	2006	Confidential Dataset
	NED	National Elevation Dataset downloaded from USGS Seamless Website	41m pixel	2006	As defined by the data author
	Slope_Reclass	Derived from National Elevation Dataset by POWER Engineers, Inc. for Siting Study	41m pixel	2006	None
	Slope_Reclass_Clip	Derived from National Elevation Dataset by POWER Engineers, Inc. for Siting Study, clipped to study area	41m pixel	2006	None
NOTE: 1 All GIS data is subject to the limitations of the scale at which the data was created. Deviations from the original scale may result in skewed results.					