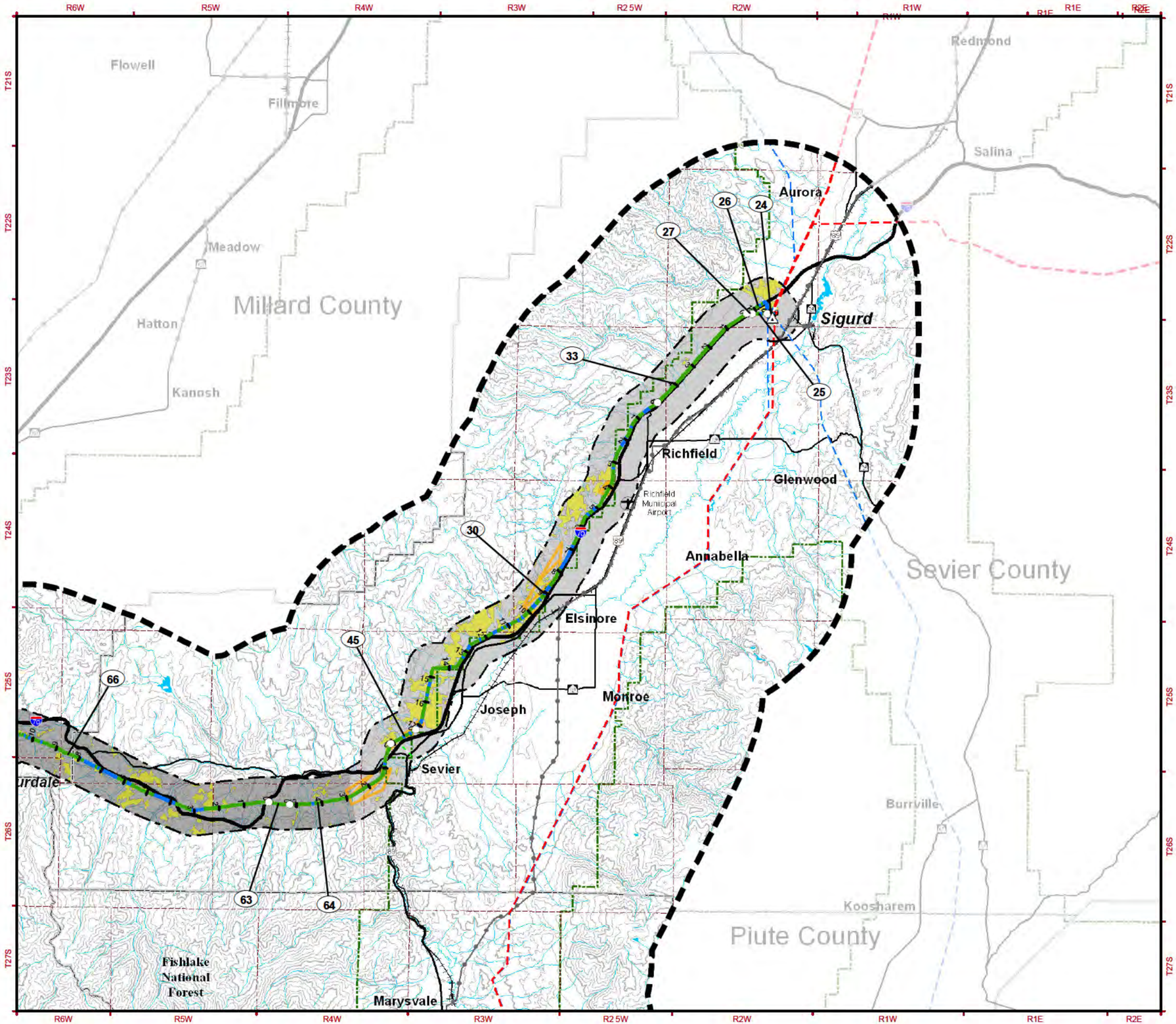


MAP MV – 7a
SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT
- Potential Habitat

SAGE-GROUSE HABITAT
- Crucial Brood-rearing Habitat

SENSITIVE PLANT HABITAT
- Elsinore buckwheat, Ward's beardtongue, Utah phacelia
- Pinyon penstemon

RAPTOR HABITAT
- High quality
- Medium quality
- Low quality

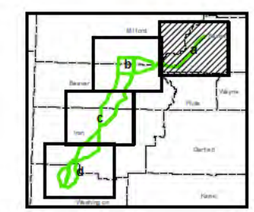
Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

IMPACT LEVELS
- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown are derived from sensi ive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES
- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

SOURCES:
Resource Data:
Impact: EPG, 2010
Sage-Grouse Habitat; UDWR, 2006
Pygmy Rabbit: USU, 2004; Sensitive Plants: State of Utah, 2006
Raptor: UDWR, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Water, River, Stream: USGS, 2008
POWERmap, powermap.platts.com
© 2007 Platts, A Division of The McGraw-Hill Companies



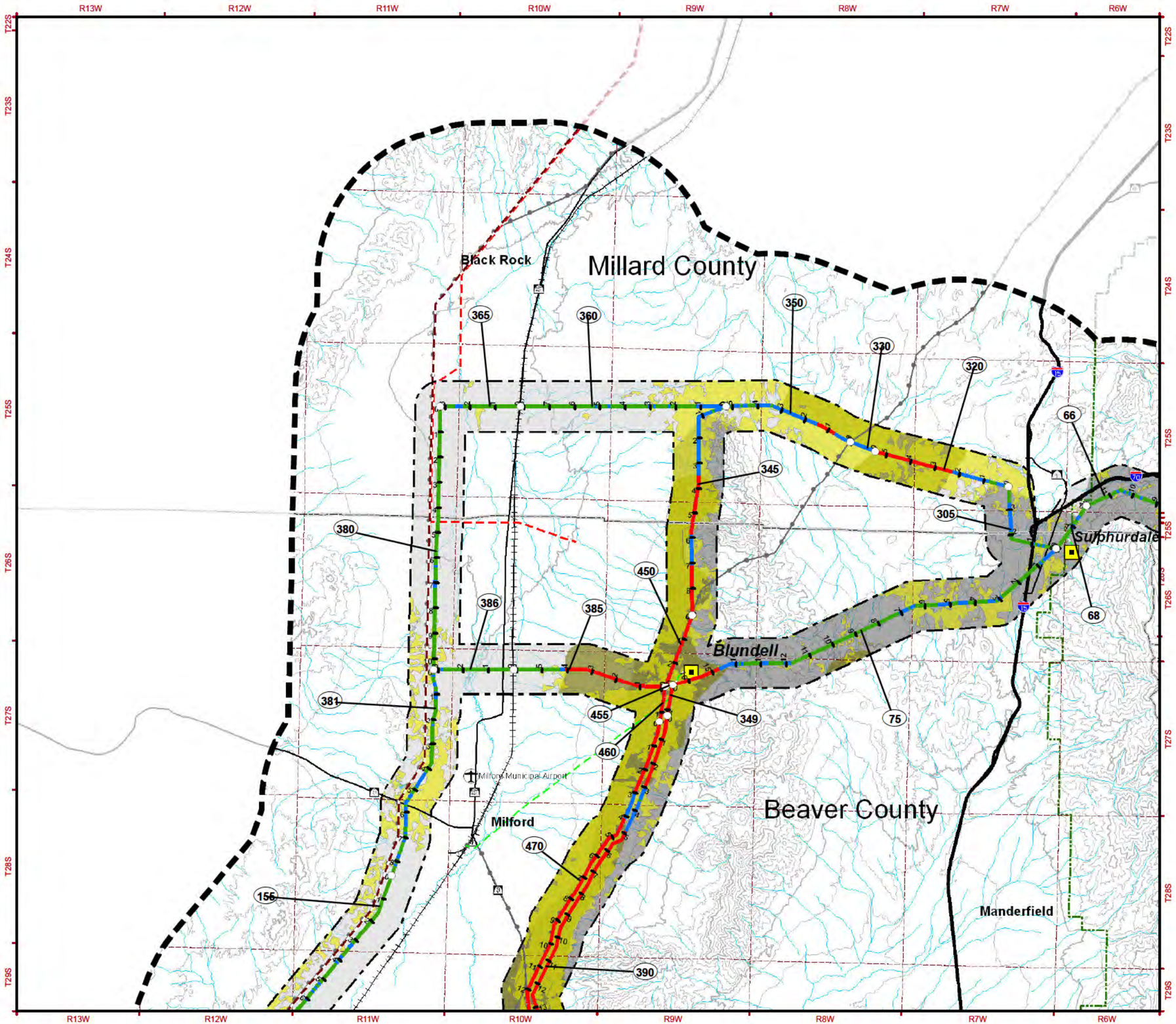
0 1.25 2.5 5 7.5 10
Miles

May 2011

DRAFT EIS

SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT

NATIONAL SYSTEM OF PUBLIC LANDS



MAP MV – 7b
SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT
- Potential Habitat

SAGE-GROUSE HABITAT
- Crucial Brood-rearing Habitat

SENSITIVE PLANT HABITAT
- Elsinore buckwheat, Ward's beardtongue, Utah phacelia
- Pinyon penstemon

RAPTOR HABITAT
- High quality
- Medium quality
- Low quality

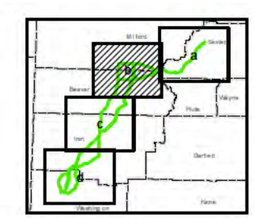
Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

IMPACT LEVELS
- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown are derived from sensi ive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES
- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

SOURCES:
Resource Data:
Impact: EPG, 2010
Sage-Grouse Habitat; UDWR, 2006
Pygmy Rabbit: USU, 2004; Sensitive Plants: State of Utah, 2006
Raptor: UDWR, 2010
Base Data:
Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Water, River, Stream: USGS, 2008
POWERmap, powermap.platts.com
© 2007 Platts, A Division of The McGraw-Hill Companies



0 1.25 2.5 5 7.5 10
Miles

May 2011

DRAFT EIS

SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT

NATIONAL SYSTEM OF PUBLIC LANDS

MAP MV – 7c
SENSITIVE HABITATS INVENTORY AND IMPACTS

R16W R15W R14W R13W R12W R11W R10W R9W

T28S T29S T30S T31S T32S T33S T34S T35S

Beaver County

Iron County

Latimer

Lund

Zane

Minersville

155 390 470 475 480 395 490 160 396 163 397 165 430 220 435

RESOURCE INVENTORY

PYGMY RABBIT HABITAT
- Potential Habitat

SAGE-GROUSE HABITAT
- Crucial Brood-rearing Habitat

SENSITIVE PLANT HABITAT
- Elsinore buckwheat, Ward's beardtongue, Utah phacelia
- Pinyon penstemon

RAPTOR HABITAT
- High quality
- Medium quality
- Low quality

Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

IMPACT LEVELS
- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown are derived from sensi ive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES
- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

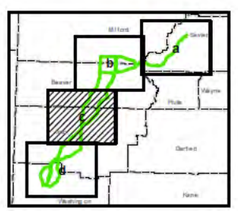
SOURCES:

Resource Data:

Impact: EPG, 2010
Sage-Grouse Habitat; UDWR, 2006
Pygmy Rabbit: USU, 2004; Sensitive Plants: State of Utah, 2006
Raptor: UDWR, 2010

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Water, River, Stream: USGS, 2008
POWERmap, powermap.platts.com
© 2007 Platts, A Division of The McGraw-Hill Companies



0 1.25 2.5 5 7.5 10
Miles

May 2011

DRAFT EIS

SIGURD TO RED BUTTE NO. 2
345kV TRANSMISSION PROJECT

NATIONAL SYSTEM OF PUBLIC LANDS

Q:\SRBA\DEIS2\Appx\DEIS_SRB_Biology_SH.mxd

MAP MV – 7d
SENSITIVE HABITATS INVENTORY AND IMPACTS

RESOURCE INVENTORY

PYGMY RABBIT HABITAT
- Potential Habitat

SAGE-GROUSE HABITAT
- Crucial Brood-rearing Habitat

SENSITIVE PLANT HABITAT
- Elsinore buckwheat, Ward's beardtongue, Utah phacelia
- Pinyon penstemon

RAPTOR HABITAT
- High quality
- Medium quality
- Low quality

Note: Pre-construction surveys for these species will be conducted for the selected route in 2011-2012.

IMPACT LEVELS
- High
- Moderate
- Low
- Not Identifiable

Note: Impact levels shown are derived from sensi ive habitats and threatened and endangered species and represent impacts remaining (residual) after the application of mitigation measures.

GENERAL REFERENCE FEATURES
- Project Area
- Study Corridor
- Link Number
- Mile Tick
- Centerline
- Link Node
- Power Plant
- Substation
- 500kV +/- DC Transmission Line
- 345kV Transmission Line
- 230 to 287kV Transmission Line
- 138 to 161kV Transmission Line
- Pipeline
- County Boundary
- U.S. Forest Service Boundary
- Township Line
- Interstate Highway
- U.S. Highway
- State Highway
- Railroad
- Airport
- River or Stream
- Lake or Reservoir
- Index Contour (500-Meter Interval)
- Index Contour (100-Meter Interval)

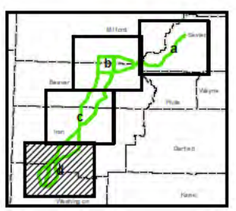
SOURCES:

Resource Data:

Impact: EPG, 2010
Sage-Grouse Habitat; UDWR, 2006
Pygmy Rabbit: USU, 2004; Sensitive Plants: State of Utah, 2006
Raptor: UDWR, 2010

Base Data:

Transmission Line: EPG, 2009; Roads, County Boundary: ESRI, 2008
U.S. Forest Service: USFS, 2006; Transportation: NTAD2008, U.S. Department of Transportation
Railroad: FRA, 2008; Airport: RITA/BTS, 2008; PLSS: BLM, 2006
Water, River, Stream: USGS, 2008
POWERmap, powermap.platts.com
© 2007 Platts, A Division of The McGraw-Hill Companies



0 1.25 2.5 5 7.5 10 Miles

May 2011

DRAFT EIS

SIGURD TO RED BUTTE NO. 2 345kV TRANSMISSION PROJECT

NATIONAL SYSTEM OF PUBLIC LANDS

Q:\SREA\DEIS2\Appx\DEIS_SRD_Biology_SH.mxd