

Map Unit Description (ID)

Bingham Area, Idaho

TNG - Tetonia silt loam, steep

Mean annual precipitation: 13 to 18 inches

Frost-free period: 50 to 100 days

Mean annual temperature: 37 to 41 degrees F

Farmland class: Not prime farmland

Tetonia and similar soils

Extent: about 80 percent of the unit

Landform(s):

Slope gradient: 30 to 60 percent

Parent material: loess

Restrictive feature(s): none

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Land capability class, non-irrigated: 7e

Land capability class, irrigated:

Drainage class: well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:

	Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A -- 0 to 18 in	silt loam	moderate	3.4 to 3.8 in	6.6 to 7.8	.37	.37
Bw1 -- 18 to 26 in	silt loam	moderate	1.5 to 1.7 in	6.6 to 7.8	.43	.43
Bk2 -- 26 to 60 in	silt loam	moderate	5.8 to 6.4 in	7.9 to 9.0	.49	.49

Ecological Site / Plant Association: LOAMY 13-16 ARTRV/PSSP6 (R013XY001ID)

Map Unit Description (ID)

Bingham Area, Idaho

ArD - Araveton loam, 4 to 12 percent slopes

Mean annual precipitation: 12 to 16 inches

Mean annual temperature: 39 to 46 degrees F

Frost-free period: 80 to 110 days

Farmland class: Not prime farmland

Araveton and similar soils

Extent: about 100 percent of the unit

Landform(s):

Slope gradient: 4 to 12 percent

Parent material: residuum weathered from rhyolite

Restrictive feature(s): none

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Land capability class, non-irrigated: 3e

Land capability class, irrigated:

Drainage class: well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:

	Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A -- 0 to 7 in	loam	moderate	1.1 to 1.3 in	6.6 to 8.4	.32	.32
Bk1 -- 7 to 52 in	stony loam	moderate	5.8 to 6.7 in	6.6 to 8.4	.20	.37
Bk2 -- 52 to 66 in	very stony loam	moderate	1.0 to 1.3 in	6.6 to 8.4	.20	.37

Ecological Site / Plant Association: LOAMY 13-16 ARTRV/PSSP6 (R013XY001ID)

Map Unit Description (ID)

Bingham Area, Idaho

HYG - Hymas extremely stony loam, steep

Mean annual precipitation: 11 to 16 inches

Frost-free period: 60 to 110 days

Mean annual temperature: 39 to 45 degrees F

Farmland class: Not prime farmland

Hymas and similar soils

Extent: about 80 percent of the unit

Landform(s):

Slope gradient: 30 to 60 percent

Parent material: colluvium and/or residuum weathered from limestone

Restrictive feature(s): bedrock (lithic) at 10 to 20 inches

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 1

Wind erodibility group (WEG): 8

Wind erodibility index (WEI): 0

Land capability class, non-irrigated: 7s

Land capability class, irrigated:

Drainage class: well drained

Hydric soil class: no

Hydrologic group: D

Representative soil profile:	Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A -- 0 to 7 in	stony loam	moderate	0.5 to 0.7 in	7.4 to 8.4	.17	.37
C -- 7 to 18 in	gravelly loam	moderate	0.6 to 0.8 in	7.4 to 8.4	.17	.43
R -- 18 to 28 in	unweathered bedrock	----				

Ecological Site / Plant Association: SHALLOW STONY 12-16 ARAR8/PSSP6 (R013XY014ID)

Map Unit Description (ID)

Bingham Area, Idaho

NEF - Newdale silt loam, hilly

Mean annual precipitation: 11 to 13 inches

Frost-free period: 90 to 126 days

Mean annual temperature: 39 to 45 degrees F

Farmland class: Not prime farmland

Newdale and similar soils

Extent: about 80 percent of the unit

Landform(s):

Slope gradient: 20 to 30 percent

Parent material: loess

Restrictive feature(s): none

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Land capability class, non-irrigated: 6e

Land capability class, irrigated: 2e

Drainage class: well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:

	Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A -- 0 to 13 in	silt loam	moderate	2.5 to 2.7 in	7.4 to 7.8	.43	.43
Bk -- 13 to 60 in	silt loam	moderate	8.9 to 9.8 in	7.9 to 9.0	.49	.49

Ecological Site / Plant Association: LOAMY 8-12 ARTRW8/PSSP6 (R011BY001ID)

Map Unit Description (ID)

Bingham Area, Idaho

WHG - Wahtigup stony loam, steep

Mean annual precipitation: 11 to 15 inches
Mean annual temperature: 39 to 45 degrees F

Frost-free period: 80 to 110 days
Farmland class: Not prime farmland

Wahtigup and similar soils

Extent: about 80 percent of the unit
Landform(s):
Slope gradient: 30 to 60 percent
Parent material: colluvium derived from limestone
Restrictive feature(s): none
Seasonal high water table: greater than 60 inches
Flooding frequency: none
Ponding frequency: none

Soil loss tolerance (T factor): 4
Wind erodibility group (WEG): 5
Wind erodibility index (WEI): 56
Land capability class, non-irrigated: 7e
Land capability class, irrigated:
Drainage class: well drained
Hydric soil class: no
Hydrologic group: B

Representative soil profile:

	Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A - 0 to 9 in	stony loam	moderate	1.3 to 1.4 in	7.4 to 8.4	.28	.43
B - 9 to 28 in	gravelly loam	moderate	1.9 to 2.5 in	7.9 to 8.4	.28	.49
C1 - 28 to 45 in	cobbly loam	moderate	1.7 to 2.2 in	7.9 to 8.4	.20	.43
2C2 - 45 to 60 in	gravel	moderately rapid	0.3 to 0.6 in	7.9 to 8.4	.10	.10

Ecological Site / Plant Association: LOAMY 13-16 ARTRV/PSSP6 (R013XY001ID)

Map Unit Description (ID)

Bingham Area, Idaho

RHF - Ricrest stony loam, hilly

Mean annual precipitation: 16 to 20 inches
Mean annual temperature: 39 to 46 degrees F

Frost-free period: 50 to 100 days
Farmland class: Not prime farmland

Ricrest and similar soils

Extent: about 100 percent of the unit
Landform(s):
Slope gradient: 20 to 30 percent
Parent material: colluvium derived from limestone
Restrictive feature(s): none
Seasonal high water table: greater than 60 inches
Flooding frequency: none
Ponding frequency: none

Soil loss tolerance (T factor): 3
Wind erodibility group (WEG): 6
Wind erodibility index (WEI): 48
Land capability class, non-irrigated: 6e
Land capability class, irrigated:
Drainage class: well drained
Hydric soil class: no
Hydrologic group: B

Representative soil profile:			Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A --	0 to 9 in	stony loam		moderate	1.4 to 1.4 in	7.4 to 7.8	.24	.37
Bw --	9 to 27 in	clay loam		moderate	3.1 to 3.3 in	7.4 to 8.4	.24	.32
Bk --	27 to 60 in	gravelly loam		moderate	4.9 to 5.6 in	7.4 to 8.4	.24	.49

Ecological Site / Plant Association: STEEP SLOPE 16-22 ARTRV/PSSP6 (R013XY003ID)

Map Unit Description (ID)

Bingham Area, Idaho

NdE - Newdale silt loam, 12 to 20 percent slopes

Mean annual precipitation: 11 to 13 inches

Frost-free period: 90 to 126 days

Mean annual temperature: 39 to 45 degrees F

Farmland class: Not prime farmland

Newdale and similar soils

Extent: about 80 percent of the unit

Landform(s):

Slope gradient: 12 to 20 percent

Parent material: loess

Restrictive feature(s): none

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Land capability class, non-irrigated: 4e

Land capability class, irrigated: 6e

Drainage class: well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:

Texture

Permeability

Available
Water Capacity

pH

Kw

Kf

A -- 0 to 13 in silt loam

moderate

2.5 to 2.7 in

7.4 to 7.8

.43

.43

Bk -- 13 to 60 in silt loam

moderate

8.9 to 9.8 in

7.9 to 9.0

.49

.49

Ecological Site / Plant Association: LOAMY 8-12 ARTRW8/PSSP6 (R011BY001ID)

Map Unit Description (ID)

Bingham Area, Idaho

NdD - Newdale silt loam, 4 to 12 percent slopes

Mean annual precipitation: 11 to 13 inches

Frost-free period: 90 to 126 days

Mean annual temperature: 39 to 45 degrees F

Farmland class: Not prime farmland

Newdale and similar soils

Extent: about 80 percent of the unit

Landform(s):

Slope gradient: 4 to 12 percent

Parent material: loess

Restrictive feature(s): none

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 5

Wind erodibility group (WEG): 5

Wind erodibility index (WEI): 56

Land capability class, non-irrigated: 3e

Land capability class, irrigated: 4e

Drainage class: well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:

	Texture
A -- 0 to 13 in	silt loam
Bk -- 13 to 60 in	silt loam

Texture

Permeability

Permeability	Available Water Capacity	pH	Kw	Kf
moderate	2.5 to 2.7 in	7.4 to 7.8	.43	.43
moderate	8.9 to 9.8 in	7.9 to 9.0	.49	.49

Available Water Capacity

pH

Kw

Kf

Ecological Site / Plant Association: LOAMY 8-12 ARTRW8/PSSP6 (R011BY001ID)

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Bingham Area, Idaho

RHG - Ricrest stony loam, steep

Mean annual precipitation: 16 to 20 inches

Frost-free period: 50 to 100 days

Mean annual temperature: 39 to 46 degrees F

Farmland class: Not prime farmland

Ricrest and similar soils

Extent: about 80 percent of the unit

Landform(s):

Slope gradient: 30 to 60 percent

Parent material: colluvium derived from limestone

Restrictive feature(s): none

Seasonal high water table: greater than 60 inches

Flooding frequency: none

Ponding frequency: none

Soil loss tolerance (T factor): 3

Wind erodibility group (WEG): 6

Wind erodibility index (WEI): 48

Land capability class, non-irrigated: 7e

Land capability class, irrigated:

Drainage class: well drained

Hydric soil class: no

Hydrologic group: B

Representative soil profile:	Texture	Permeability	Available Water Capacity	pH	Kw	Kf
A -- 0 to 9 in	stony loam	moderate	1.4 to 1.4 in	7.4 to 7.8	.24	.37
Bw -- 9 to 27 in	clay loam	moderate	3.1 to 3.3 in	7.4 to 8.4	.24	.32
Bk -- 27 to 60 in	gravelly loam	moderate	4.9 to 5.6 in	7.4 to 8.4	.24	.49

Ecological Site / Plant Association: STEEP SLOPE 16-22 ARTRV/PSSP6 (R013XY003ID)

1. Submarine Trenches



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