

Stibnite Gold Project EIS

Appendix I

Wetlands and Riparian Resources

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Contents

Appendix I-1: Wetland Functional Impacts Tables

Appendix I-2: Impacts to Wetlands and Riparian Resources in the Analysis Area, Alternative 1

Appendix I-3: Impacts to Wetlands and Riparian Resources in the Analysis Area, Alternative 2

Appendix I-4: Impacts to Wetlands and Riparian Resources in the Analysis Area, Alternative 3

Appendix I-5: Impacts to Wetlands and Riparian Resources in the Analysis Area, Alternative 4

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Appendix I-1: Wetland Functional Impacts Tables

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Table I-1-1 Wetland Functional Point Summary for all Assessment Areas

AA Number	AA Name	Portion of the Analysis Area	Wetland Category ¹	Primary Functions ²	Habitat for S1, S2, or S3 Species	Listed/Proposed T&E Species Habitat	General Wildlife Habitat	General Fish Habitat	Flood Attenuation	Long- and Short-term Surface Water Storage	Sediment/Nutrient/Toxicant Retention and/or Removal	Sediment/Shoreline Stabilization	Production Export/Terrestrial and Aquatic Food Chain Support	Groundwater Discharge/Recharge	Uniqueness	Recreation/Education Potential	Total Baseline Function	Wetlands Area (acres)	Total Functional Units
1	Meadow Creek Valley Upstream of SODA	Mine Site	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	0.7	0.0	0.4	NA	0.9	0.3	0.4	NA	0.8	1.0	0.5	0.15	5.15	11.8	60.7
2	Upper Meadow Creek Riparian	Mine Site	II	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Ground Water Discharge/ Recharge	0.9	0.0	0.4	NA	0.9	0.9	0.4	NA	0.9	1.0	0.5	0.2	6.10	65.3	398.2
3	Meadow Creek Hillside Seeps	Mine Site	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.9	0.0	0.4	NA	NA	NA	0.9	NA	0.9	1.0	0.4	0.15	4.65	31.5	146.5
4	Lower Meadow Creek Valley Wetlands	Mine Site	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.5	NA	NA	0.7	0.4	NA	0.8	1.0	0.4	0.05	4.55	12.7	57.7
5	Lower Meadow Creek Riparian	Mine Site	III	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.5	NA	0.9	0.8	0.4	0.7	0.8	1.0	0.4	0.05	6.25	49.5	309.3
6	Meadow Creek Hillside Seeps	Mine Site	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.7	NA	NA	0.3	0.7	NA	0.8	1.0	0.3	0.10	4.60	16.2	74.4
7	East Fork Meadow Creek (Blowout Creek) Valley Wetlands	Mine Site	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Groundwater Discharge/ Recharge	0.1	0.1	0.5	NA	0.8	1.0	0.4	NA	0.8	1.0	0.4	NA	5.10	48.7	248.3

AA Number	AA Name	Portion of the Analysis Area	Wetland Category ¹	Primary Functions ²	Habitat for S1, S2, or S3 Species	Listed/Proposed T&E Species Habitat	General Wildlife Habitat	General Fish Habitat	Flood Attenuation	Long- and Short-term Surface Water Storage	Sediment/Nutrient/Toxicant Retention and/or Removal	Sediment/Shoreline Stabilization	Production Export/Terrestrial and Aquatic Food Chain Support	Groundwater Discharge/Recharge	Uniqueness	Recreation/Education Potential	Total Baseline Function	Wetlands Area (acres)	Total Functional Units
8	East Fork Meadow Creek (Blowout Creek) Slope Wetlands	Mine Site	III	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.1	0.0	0.4	NA	NA	NA	0.4	NA	0.8	1.0	0.4	NA	3.10	12.6	39.2
9	EFSFSR Valley Downstream of Meadow Creek	Mine Site	III	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.2	0.5	NA	NA	0.1	NA	0.7	0.7	0.3	0.15	3.35	4.6	15.5
10	EFSFSR Riparian Downstream of Meadow Creek	Mine Site	II	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.9	0.8	0.5	0.6	0.6	0.8	0.2	0.7	0.8	1.0	0.4	0.15	7.45	23.6	175.6
11	Slope between DMEA to Hennessy Creek	Mine Site	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.6	0.3	0.4	NA	NA	NA	0.4	NA	0.7	1.0	0.4	NA	3.80	2.7	10.3
12	Slope between Garnet Creek and Midnight Creek	Mine Site	III	Listed/Proposed T&E Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.3	0.2	NA	NA	NA	0.4	NA	0.7	1.0	0.3	NA	3.60	10.2	36.6
13	Fiddle Creek Valley Wetlands	Mine Site	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.8	0.1	0.7	NA	0.7	0.4	0.9	NA	0.9	1.0	0.5	NA	6.00	16.4	98.4
14	Fiddle Creek Slope Wetlands	Mine Site	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.1	0.4	NA	NA	NA	0.7	NA	0.8	1.0	0.4	NA	4.00	3.4	13.7
15	Hennessy Creek Valley Wetlands	Mine Site	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.0	0.0	0.7	NA	NA	0.4	0.9	NA	0.8	1.0	0.4	NA	4.20	1.4	6.1

AA Number	AA Name	Portion of the Analysis Area	Wetland Category ¹	Primary Functions ²	Habitat for S1, S2, or S3 Species	Listed/Proposed T&E Species Habitat	General Wildlife Habitat	General Fish Habitat	Flood Attenuation	Long- and Short-term Surface Water Storage	Sediment/Nutrient/Toxicant Retention and/or Removal	Sediment/Shoreline Stabilization	Production Export/Terrestrial and Aquatic Food Chain Support	Groundwater Discharge/Recharge	Uniqueness	Recreation/Education Potential	Total Baseline Function	Wetlands Area (acres)	Total Functional Units
16	Hennessy Creek Slope Wetlands	Mine Site	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.0	0.0	0.2	NA	NA	0.4	0.6	NA	0.7	1.0	0.2	NA	3.10	8.4	26.1
17	Midnight Creek Wetland 1	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.8	0.0	0.2	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	2.30	0.2	0.5
18	Midnight Creek Wetland 2	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.0	0.2	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	2.10	0.1	0.1
19	Midnight Creek Wetland 3	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.0	0.1	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	2.00	0.9	1.8
20	Midnight Creek Wetland 4	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.0	0.1	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	2.00	0.1	0.2
21	Midnight Creek Wetland 5	Mine Site	III	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.0	0.0	0.2	NA	NA	NA	0.1	NA	0.5	0.7	0.2	NA	1.70	1.5	2.5
22	Midnight Creek Wetland 6	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.0	0.0	0.1	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	1.40	0.2	0.3
23	Midnight Creek Wetland 7	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.0	0.0	0.1	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	1.40	0.2	0.3
24	Midnight Creek Wetland 8	Mine Site	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.0	0.0	0.1	NA	NA	NA	0.1	NA	0.3	0.7	0.2	NA	1.40	0.1	0.2

AA Number	AA Name	Portion of the Analysis Area	Wetland Category ¹	Primary Functions ²	Habitat for S1, S2, or S3 Species	Listed/Proposed T&E Species Habitat	General Wildlife Habitat	General Fish Habitat	Flood Attenuation	Long- and Short-term Surface Water Storage	Sediment/Nutrient/Toxicant Retention and/or Removal	Sediment/Shoreline Stabilization	Production Export/Terrestrial and Aquatic Food Chain Support	Groundwater Discharge/Recharge	Uniqueness	Recreation/Education Potential	Total Baseline Function	Wetlands Area (acres)	Total Functional Units
25	West End Creek Wetland 1	Mine Site	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.0	0.2	NA	NA	NA	0.1	NA	0.3	1.0	0.2	NA	2.40	0.6	1.5
26	West End Creek Wetland 2	Mine Site	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.0	0.2	NA	NA	NA	0.1	NA	0.3	1.0	0.2	NA	2.40	0.2	0.5
27	West End Creek Wetland 3	Mine Site	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.6	0.0	0.2	NA	NA	NA	0.1	NA	0.3	1.0	0.2	NA	2.40	1.5	3.6
28	Exploration Area North of Sugar	Mine Site	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.6	0.0	0.5	NA	NA	0.2	1.0	NA	0.6	1.0	0.1	NA	4.00	0.8	3.3
29	Rabbit Creek Slope Wetlands	Mine Site	III	General Wildlife Habitat Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.7	NA	NA	NA	0.4	NA	0.8	1.0	0.4	NA	4.00	5.0	20.1
30	Burntlog Alternative Wetlands	Outside Mine Site	III	Natural Heritage Program Species Habitat General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.7	NA	NA	NA	0.4	NA	0.9	1.0	0.4	NA	4.10	42.7	175.1
31	Burntlog Wetlands from Existing Road to Thunder Mountain Road	Outside Mine Site	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	0.1	0.0	0.9	NA	NA	NA	NA	NA	1.0	1.0	0.5	NA	3.50	33.2	116.2
32	Riordan Road Alternative and Power Line Corridor	Outside Mine Site	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.7	NA	NA	0.4	0.4	NA	0.9	1.0	0.4	NA	4.50	35.2	158.4

AA Number	AA Name	Portion of the Analysis Area	Wetland Category ¹	Primary Functions ²	Habitat for S1, S2, or S3 Species	Listed/Proposed T&E Species Habitat	General Wildlife Habitat	General Fish Habitat	Flood Attenuation	Long- and Short-term Surface Water Storage	Sediment/Nutrient/Toxicant Retention and/or Removal	Sediment/Shoreline Stabilization	Production Export/Terrestrial and Aquatic Food Chain Support	Groundwater Discharge/Recharge	Uniqueness	Recreation/Education Potential	Total Baseline Function	Wetlands Area (acres)	Total Functional Units
33	Johnson Creek Road Alternative	Outside Mine Site	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Uniqueness	0.8	0.0	0.5	NA	0.3	0.8	0.9	NA	0.8	NA	0.4	0.20	4.70	50.6	237.8
34	Cabin/Trout Creek Wetlands	Outside Mine Site	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.8	0.0	0.7	NA	NA	0.2	0.7	NA	0.9	1.0	0.4	NA	4.70	46.8	220.1
35	Power Line Corridor	Outside Mine Site	IV	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.8	0.0	0.7	NA	NA	0.5	0.7	NA	0.7	1.0	0.4	NA	4.80	7.3	35.2
36	Thunder Mountain Road Wetlands	Outside Mine Site	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.1	0.0	0.7	NA	NA	0.2	NA	NA	0.6	1.0	0.2	NA	2.80	12.3	34.5
37	Thunder Mountain Alternative	Outside Mine Site	II	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	0.1	0.0	0.7	NA	NA	1.0	1.0	NA	0.9	1.0	0.4	0.15	5.25	33.0	173.4
38	EFSFSR between Thunder Mountain Road and Meadow Creek	Mine Site	II	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.7	0.0	0.7	NA	NA	0.9	0.7	NA	0.9	1.0	0.4	NA	5.30	15.0	79.2
39	Upper East Fork Wetlands	Mine Site	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.9	0.0	0.7	NA	0.3	1.0	0.4	0.7	0.9	1.0	0.2	0.2	6.30	26.4	166.4

AA Number	AA Name	Portion of the Analysis Area	Wetland Category ¹	Primary Functions ²	Habitat for S1, S2, or S3 Species	Listed/Proposed T&E Species Habitat	General Wildlife Habitat	General Fish Habitat	Flood Attenuation	Long- and Short-term Surface Water Storage	Sediment/Nutrient/Toxicant Retention and/or Removal	Sediment/Shoreline Stabilization	Production Export/Terrestrial and Aquatic Food Chain Support	Groundwater Discharge/Recharge	Uniqueness	Recreation/Education Potential	Total Baseline Function	Wetlands Area (acres)	Total Functional Units
40	Stibnite Road Wetlands	Outside Mine Site	III	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	0.0	0.0	0.5	NA	0.9	0.7	0.4	0.6	0.8	NA	0.3	0.2	4.40	26.1	114.7
41	Wetlands Along Sugar Creek	Mine Site	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	0.6	0.0	0.3	NA	0.3	0.3	0.4	1.0	0.4	1.0	0.2	NA	4.50	1.2	5.4
42	Warm Lake Road Wetlands Logistics Facility	Outside Mine Site	III	Flood Attenuation Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	0.0	0.0	0.5	NA	0.7	0.2	0.9	1.0	0.8	NA	0.3	0.05	4.45	7.7	34.4
43	Transmission Line Wetlands	Outside Mine Site	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	0.6	0.0	0.5	NA	NA	0.9	1.0	NA	0.7	NA	0.1	NA	3.80	47.5	180.5
44	Transmission Line Wetlands River Adjacent	Outside Mine Site	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	0.6	0.0	0.7	0.6	0.3	0.8	0.9	1.0	0.9	NA	0.2	0.15	6.15	6.9	42.4

Table Source: HDR 2016; Tetra Tech 2018

Table Notes:

1 Wetland categories range from I (highest functional value) to IV (lowest functional value) (Berglund and McEldowney 2008). No Category I wetlands were documented in the analysis area.

2 Primary functions listed are the four primary functions identified for each AA on Wetland Assessment Forms (HDR 2016 and Tetra Tech 2018) AA = Assessment Area.

DMEA = Defense Minerals Exploration Administration. EFSFSR = East Fork of the South Fork of the Salmon River. NWI = National Wetlands Inventory.

SGLF = Stibnite Gold Logistics Facility. SODA = spent ore disposal area.

NA = The function is not relevant to the AA being assessed (refer to MWAM guidelines, Berglund and McEldowney 2008).

Table I-1-2 Wetland Functional Impacts under Alternative 1 by AA

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
1	Meadow Creek Valley Upstream of SODA	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Mine Site	11.8	1.1	-	9.2%	60.7	5.6
2	Upper Meadow Creek Riparian	II	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Ground Water Discharge/ Recharge	Mine Site	65.3	54.9	-	84.1%	398.2	334.8
3	Meadow Creek Hillside Seeps	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	31.5	5.7	-	18.1%	146.5	26.6
4	Lower Meadow Creek Valley Wetlands	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	12.7	11.1	-	87.2%	57.7	50.3
5	Lower Meadow Creek Riparian	III	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	49.5	27.1	-	54.9%	309.3	169.7
6	Meadow Creek Hillside Seeps	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.2	2.3	-	14.2%	74.4	10.5
7	East Fork of Meadow Creek Valley Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Groundwater Discharge/ Recharge	Mine Site	48.7	0.1	-	0.2%	248.3	0.5
8	East Fork of Meadow Creek Slope Wetlands	III	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	12.6	-	-	0.0%	39.2	0.0
9	EFSFSR Valley Downstream of MC	III	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	4.6	1.8	-	38.2%	15.5	5.9
10	EFSFSR Riparian Downstream of MC	II	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	23.6	9.1	0.1	39.0%	175.6	68.5
11	Slope Between DMEA to Hennessy Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	2.7	0.8	-	29.5%	10.3	3.0

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
12	Slope Between Garnet Creek and Midnight Creek	III	Listed/Proposed T&E Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	10.2	2.6	-	26.0%	36.6	9.5
13	Fiddle Creek Valley Wetlands	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.4	8.9	-	54.6%	98.4	53.7
14	Fiddle Creek Slope Wetlands	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	3.4	-	-	0.0%	13.7	0.0
15	Hennessy Valley Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	1.4	0.3	-	18.1%	6.1	1.1
16	Hennessy Creek Slope Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	8.4	0.6	-	6.8%	26.1	1.8
17	Midnight Creek Wetland 1	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	-	-	0.0%	0.5	0.0
18	Midnight Creek Wetland 2	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.1	0.0
19	Midnight Creek Wetland 3	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.9	-	-	0.0%	1.8	0.0
20	Midnight Creek Wetland 4	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.2	0.0
21	Midnight Creek Wetland 5	III	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	0.7	-	47.9%	2.5	1.2
22	Midnight Creek Wetland 6	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
23	Midnight Creek Wetland 7	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
24	Midnight Creek Wetland 8	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	0.1	-	100.0%	0.2	0.2

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
25	West End Creek Wetland 1	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.6	0.6	-	100.0%	1.5	1.5
26	West End Creek Wetland 2	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.0	-	7.0%	0.5	0.0
27	West End Creek Wetland 3	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	-	-	0.0%	3.6	0.0
28	Exploration Area North of Sugar Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	0.8	-	-	0.0%	3.3	0.0
29	Rabbit Creek Slope Wetlands	III	General Wildlife Habitat Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	5.0	-	-	0.0%	20.1	0.0
30	Burntlog Alternative Wetlands - Existing Road	III	Natural Heritage Program Species Habitat General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	42.7	4.2	-	9.7%	175.1	17.1
31	Burntlog Wetlands from Existing Road to Thunder Mountain Road	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Access Roads	33.2	4.8	-	14.4%	116.2	16.7
32	Riordan Road Alternative and Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	35.2	0.3	0.8	3.3%	158.4	5.2
33	Johnson Creek Road Alternative/ Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Uniqueness	Utilities	50.6	1.3	0.1	2.7%	237.8	6.4
34	Cabin/Trout Creek Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	46.8	1.5	0.0	3.3%	220.1	7.2
35	Power Line Corridor Along Warm Lake Road	IV	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	7.3	0.3	0.0	4.1%	35.2	1.4
36	Thunder Mountain Road Wetlands	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	12.3	-	-	0.0%	34.5	0.0

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
37	Thunder Mountain Road Alternative	II	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Access Roads	33.0	5.2	-	15.8%	173.4	27.5
38	EFSFSR between Thunder Mountain Road and Meadow Creek	II	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	15.0	0.5	-	3.1%	79.2	2.4
39	Upper East Fork Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	26.4	1.6	-	6.2%	166.4	10.3
40	Stibnite Road Wetlands	III	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Access Roads	26.1	-		0.0%	114.7	0.0
41	Wetlands Along Sugar Creek	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	1.2	-		0.0%	5.4	0.0
42	Proposed Logistics Center Wetlands	III	Flood Attenuation Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Off-site Facilities	7.7	0.8		10.2%	34.4	3.5
43	Transmission Line Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Utilities; Transmission Line	47.5	2.6		5.5%	180.5	10.0
44	Transmission Line Wetlands - River	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Utilities; Transmission Line	6.9	0.2		2.5%	42.4	1.0
Total	--	--	--	--	722.4	151.6	1.0	NA	3,525.0	853.8

Table Sources: HDR 2016; Tetra Tech 2018

Table Notes:

1 Wetland categories range from I (highest functional value) to IV (lowest functional value) (Berglund and McEldowney 2008). No Category I wetlands were documented in the analysis area.

2 Primary functions listed are the four primary functions identified for each AA on Wetland Assessment Forms (HDR 2016 and Tetra Tech 2018)

3 Total wetland acreages include only areas delineated and assessed for the Project; it does not include National Wetlands Inventory data used to extrapolate wetland impacts across the entire analysis area.

4 Proposed wetland impact acreage includes only areas delineated and assessed for the Project; it does not include National Wetlands Inventory data used to extrapolate wetland impacts across the entire analysis area.

5 Efforts to gain approval of existing wetland functional assessment scores are ongoing and may result in changes relative to the totals listed in this table. Total Functional Units reported are consistent with functional unit scores presented in Table I-1-1

6 Functional unit impacts were calculated by multiplying the percentage of AA impact by the total functional units associated with each AA.

AA = Assessment Area.

DMEA = Defense Minerals Exploration Administration. EFSFSR = East Fork of the South Fork of the Salmon River. NWI = National Wetlands Inventory.

SGLF = Stibnite Gold Logistics Facility. SODA = spent ore disposal area.

NA = not applicable

Table I-1-3 Wetland Functional Impacts under Alternative 2 by AA

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
1	Meadow Creek Valley Upstream of SODA	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Mine Site	11.8	1.1	-	9.2%	60.7	5.6
2	Upper Meadow Creek Riparian	II	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Ground Water Discharge/ Recharge	Mine Site	65.3	54.9	-	84.1%	398.2	334.8
3	Meadow Creek Hillside Seeps	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	31.5	5.7	-	18.1%	146.5	26.6
4	Lower Meadow Creek Valley Wetlands	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	12.7	11.1	-	87.2%	57.7	50.3
5	Lower Meadow Creek Riparian	III	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	49.5	27.1	-	54.9%	309.3	169.7
6	Meadow Creek Hillside Seeps	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.2	2.3	-	14.2%	74.4	10.5
7	East Fork of Meadow Creek Valley Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Groundwater Discharge/ Recharge	Mine Site	48.7	0.1	-	0.2%	248.3	0.5
8	East Fork of Meadow Creek Slope Wetlands	III	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	12.6	-	-	0.0%	39.2	0.0
9	EFSFSR Valley Downstream of MC	III	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	4.6	1.8	-	39.5%	15.5	6.1
10	EFSFSR Riparian Downstream of MC	II	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	23.6	9.4	0.1	40.1%	175.6	70.5
11	Slope Between DMEA to Hennessy Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	2.7	0.8	-	29.5%	10.3	3.0

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
12	Slope Between Garnet Creek and Midnight Creek	III	Listed/Proposed T&E Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	10.2	2.6	-	26.0%	36.6	9.5
13	Fiddle Creek Valley Wetlands	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.4	8.9	-	54.6%	98.4	53.7
14	Fiddle Creek Slope Wetlands	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	3.4	-	-	0.0%	13.7	0.0
15	Hennessy Valley Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	1.4	0.3	-	18.1%	6.1	1.1
16	Hennessy Creek Slope Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	8.4	0.6	-	7.0%	26.1	1.8
17	Midnight Creek Wetland 1	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	-	-	0.0%	0.5	0.0
18	Midnight Creek Wetland 2	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.1	0.0
19	Midnight Creek Wetland 3	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.9	-	-	0.0%	1.8	0.0
20	Midnight Creek Wetland 4	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.2	0.0
21	Midnight Creek Wetland 5	III	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	0.7	-	47.9%	2.5	1.2
22	Midnight Creek Wetland 6	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
23	Midnight Creek Wetland 7	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
24	Midnight Creek Wetland 8	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	0.1	-	100.0%	0.2	0.2

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
25	West End Creek Wetland 1	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.6	0.6	-	100.0%	1.5	1.5
26	West End Creek Wetland 2	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	-	-	0.0%	0.5	0.0
27	West End Creek Wetland 3	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	-	-	0.0%	3.6	0.0
28	Exploration Area North of Sugar Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	0.8	-	-	0.0%	3.3	0.0
29	Rabbit Creek Slope Wetlands	III	General Wildlife Habitat Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	5.0	-	-	0.0%	20.1	0.0
30	Burntlog Alternative Wetlands - Existing Road	III	Natural Heritage Program Species Habitat General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	42.7	4.2	-	9.7%	175.1	17.1
31	Burntlog Wetlands from Existing Road to Thunder Mountain Road	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Access Roads	33.2	1.8	-	5.4%	116.2	6.3
32	Riordan Road Alternative and Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	35.2	0.3	0.8	3.3%	158.4	5.2
33	Johnson Creek Road Alternative/Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Uniqueness	Utilities	50.6	1.3	0.1	2.7%	237.8	6.4
34	Cabin/Trout Creek Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	46.8	1.5	0.0	3.3%	220.1	7.2
35	Power Line Corridor Along Warm Lake Road	IV	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	7.3	0.3	0.0	4.1%	35.2	1.4
36	Thunder Mountain Road Wetlands	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	12.3	-	-	0.0%	34.5	0.0

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
37	Thunder Mountain Road Alternative	II	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Access Roads	33.0	-	-	0.0%	173.4	0.0
38	EFSFSR between Thunder Mountain Road and Meadow Creek	II	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	15.0	0.5	-	3.1%	79.2	2.4
39	Upper East Fork Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	26.4	1.6	-	6.2%	166.4	10.3
40	Stibnite Road Wetlands	III	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Access Roads	26.1	-	-	0.0%	114.7	0.0
41	Wetlands Along Sugar Creek	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	1.2	-	-	0.0%	5.4	0.0
42	Proposed Logistics Center Wetlands	III	Flood Attenuation Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Off-site Facilities	7.7	0.8	-	10.2%	34.4	3.5
43	Transmission Line Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Utilities; Transmission Line	47.5	1.8	-	3.9%	180.5	7.0
44	Transmission Line Wetlands - River	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Utilities; Transmission Line	6.9	0.0	-	0.6%	42.4	0.3
Total	--	--	--	--	722.4	142.8	1.0	NA	3,525.0	814.4

Table Sources: HDR 2016; Tetra Tech 2018

Table Notes:

1 Wetland categories range from I (highest functional value) to IV (lowest functional value) (Berglund and McEldowney 2008). No Category I wetlands were documented in the analysis area.

2 Primary functions listed are the four primary functions identified for each AA on Wetland Assessment Forms (HDR 2016 and Tetra Tech 2018)

3 Total wetland acreages include only areas delineated and assessed for the Project; it does not include National Wetlands Inventory data used to extrapolate wetland impacts across the entire analysis area.

4 Proposed wetland impact acreage includes only areas delineated and assessed for the Project; it does not include National Wetlands Inventory data used to extrapolate wetland impacts across the entire analysis area.

5 Efforts to gain approval of existing wetland functional assessment scores are ongoing and may result in changes relative to the totals listed in this table. Total Functional Units reported are consistent with functional unit scores presented in Table I-1-1

6 Functional unit impacts were calculated by multiplying the percentage of AA impact by the total functional units associated with each AA.

AA = Assessment Area.

DMEA = Defense Minerals Exploration Administration. EFSFSR = East Fork of the South Fork of the Salmon River. NWI = National Wetlands Inventory.

SGLF = Stibnite Gold Logistics Facility. SODA = spent ore disposal area.

NA = not applicable

Table I-1-4 Wetland Functional Impacts under Alternative 3 by AA

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
1	Meadow Creek Valley Upstream of SODA	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Mine Site	11.8	-	-	0.0%	60.7	0.0
2	Upper Meadow Creek Riparian	II	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Ground Water Discharge/ Recharge	Mine Site	65.3	1.0	-	1.5%	398.2	6.0
3	Meadow Creek Hillside Seeps	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	31.5	0.3	-	0.9%	146.5	1.3
4	Lower Meadow Creek Valley Wetlands	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	12.7	9.0	-	70.7%	57.7	40.8
5	Lower Meadow Creek Riparian	III	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	49.5	12.6	-	25.4%	309.3	78.7
6	Meadow Creek Hillside Seeps	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.2	-	-	0.0%	74.4	0.0
7	East Fork of Meadow Creek Valley Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Groundwater Discharge/ Recharge	Mine Site	48.7	0.7	-	1.5%	248.3	3.8
8	East Fork of Meadow Creek Slope Wetlands	III	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	12.6	2.6	-	20.9%	39.2	8.2
9	EFSFSR Valley Downstream of MC	III	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	4.6	1.9	-	40.6%	15.5	6.3
10	EFSFSR Riparian Downstream of MC	II	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	23.6	10.2	0.1	43.5%	175.6	76.4
11	Slope Between DMEA to Hennessy Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	2.7	0.8	-	29.5%	10.3	3.0
12	Slope Between Garnet Creek and Midnight Creek	III	Listed/Proposed T&E Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	10.2	2.6	-	26.0%	36.6	9.5

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
13	Fiddle Creek Valley Wetlands	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.4	8.9	-	54.6%	98.4	53.7
14	Fiddle Creek Slope Wetlands	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	3.4	-	-	0.0%	13.7	0.0
15	Hennessy Valley Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	1.4	0.3	-	18.1%	6.1	1.1
16	Hennessy Creek Slope Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	8.4	0.6	-	6.8%	26.1	1.8
17	Midnight Creek Wetland 1	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	-	-	0.0%	0.5	0.0
18	Midnight Creek Wetland 2	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.1	0.0
19	Midnight Creek Wetland 3	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.9	-	-	0.0%	1.8	0.0
20	Midnight Creek Wetland 4	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.2	0.0
21	Midnight Creek Wetland 5	III	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	0.7	-	47.9%	2.5	1.2
22	Midnight Creek Wetland 6	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
23	Midnight Creek Wetland 7	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
24	Midnight Creek Wetland 8	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	0.1	-	100.0%	0.2	0.2
25	West End Creek Wetland 1	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.6	0.6	-	100.0%	1.5	1.5

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
26	West End Creek Wetland 2	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.0	-	7.0%	0.5	0.0
27	West End Creek Wetland 3	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	-	-	0.0%	3.6	0.0
28	Exploration Area North of Sugar Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	0.8	-	-	0.0%	3.3	0.0
29	Rabbit Creek Slope Wetlands	III	General Wildlife Habitat Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	5.0	0.7	-	14.3%	20.1	2.9
30	Burntlog Alternative Wetlands - Existing Road	III	Natural Heritage Program Species Habitat General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	42.7	4.2	-	9.7%	175.1	17.1
31	Burntlog Wetlands from Existing Road to Thunder Mountain Road	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Access Roads	33.2	4.8	-	14.4%	116.2	16.7
32	Riordan Road Alternative and Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	35.2	0.3	0.8	3.3%	158.4	5.2
33	Johnson Creek Road Alternative/ Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Uniqueness	Utilities	50.6	1.3	0.1	2.7%	237.8	6.4
34	Cabin/Trout Creek Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	46.8	1.5	0.0	3.3%	220.1	7.2
35	Power Line Corridor Along Warm Lake Road	IV	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	7.3	0.3	0.0	4.1%	35.2	1.4
36	Thunder Mountain Road Wetlands	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	12.3	-	-	0.0%	34.5	0.0
37	Thunder Mountain Road Alternative	II	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Access Roads	33.0	5.2	-	15.8%	173.4	27.5

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
38	EFSFSR between Thunder Mountain Road and Meadow Creek	II	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	15.0	0.8	-	5.0%	79.2	4.0
39	Upper East Fork Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	26.4	22.4	-	84.9%	166.4	141.3
40	Stibnite Road Wetlands	III	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Access Roads	26.1	-	-	0.0%	114.7	0.0
41	Wetlands Along Sugar Creek	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	1.2	-	-	0.0%	5.4	0.0
42	Proposed Logistics Center Wetlands	III	Flood Attenuation Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Off-site Facilities	7.7	0.8	-	10.2%	34.4	3.5
43	Transmission Line Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Utilities; Transmission Line	47.5	2.6	-	5.5%	180.5	10.0
44	Transmission Line Wetlands - River	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Utilities; Transmission Line	6.9	0.2	-	2.5%	42.4	1.0
Total	--	--	--	--	722.4	98.4	1.0	NA	3,525.0	538.2

Table Sources: HDR 2016; Tetra Tech 2018

Table Notes:

1 Wetland categories range from I (highest functional value) to IV (lowest functional value) (Berglund and McEldowney 2008). No Category I wetlands were documented in the analysis area.

2 Primary functions listed are the four primary functions identified for each AA on Wetland Assessment Forms (HDR 2016 and Tetra Tech 2018)

3 Total wetland acreages include only areas delineated and assessed for the Project; it does not include National Wetlands Inventory data used to extrapolate wetland impacts across the entire analysis area.

4 Proposed wetland impact acreage includes only areas delineated and assessed for the Project; it does not include National Wetlands Inventory data used to extrapolate wetland impacts across the entire analysis area.

5 Efforts to gain approval of existing wetland functional assessment scores are ongoing and may result in changes relative to the totals listed in this table. Total Functional Units reported are consistent with functional unit scores presented in Table I-1-1

6 Functional unit impacts were calculated by multiplying the percentage of AA impact by the total functional units associated with each AA.

AA = Assessment Area.

DMEA = Defense Minerals Exploration Administration. EFSFSR = East Fork of the South Fork of the Salmon River. NWI = National Wetlands Inventory.

SGLF = Stibnite Gold Logistics Facility. SODA = spent ore disposal area.

NA = not applicable

Table I-1-5 Wetland Functional Impacts under Alternative 4 by AA

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
1	Meadow Creek Valley Upstream of SODA	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Mine Site	11.8	1.1	-	9.2%	60.7	5.6
2	Upper Meadow Creek Riparian	II	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Ground Water Discharge/ Recharge	Mine Site	65.3	54.9	-	84.1%	398.2	334.8
3	Meadow Creek Hillside Seeps	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	31.5	5.6	-	17.9%	146.5	26.2
4	Lower Meadow Creek Valley Wetlands	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	12.7	11.1	-	87.2%	57.7	50.3
5	Lower Meadow Creek Riparian	III	Flood Attenuation Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	49.5	27.1	-	54.9%	309.3	169.7
6	Meadow Creek Hillside Seeps	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.2	2.3	-	14.2%	74.4	10.5
7	East Fork of Meadow Creek Valley Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Groundwater Discharge/ Recharge	Mine Site	48.7	0.1	-	0.2%	248.3	0.5
8	East Fork of Meadow Creek Slope Wetlands	III	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	12.6	-	-	0.0%	39.2	0.0
9	EFSFSR Valley Downstream of MC	III	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	4.6	1.9	-	40.8%	15.5	6.3
10	EFSFSR Riparian Downstream of MC	II	Short- and Long-Term Surface Water Storage Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	23.6	9.4	0.1	40.3%	175.6	70.7
11	Slope Between DMEA to Hennessy Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	2.7	0.8	-	29.5%	10.3	3.0
12	Slope Between Garnet Creek and Midnight Creek	III	Listed/Proposed T&E Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	10.2	2.6	-	26.0%	36.6	9.5

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
13	Fiddle Creek Valley Wetlands	II	Natural Heritage Program Species Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	16.4	8.9	-	54.6%	98.4	53.7
14	Fiddle Creek Slope Wetlands	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	3.4	-	-	0.0%	13.7	0.0
15	Hennessy Valley Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	1.4	0.3	-	19.1%	6.1	1.2
16	Hennessy Creek Slope Wetlands	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	8.4	0.6	-	6.9%	26.1	1.8
17	Midnight Creek Wetland 1	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	-	-	0.0%	0.5	0.0
18	Midnight Creek Wetland 2	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.1	0.0
19	Midnight Creek Wetland 3	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.9	-	-	0.0%	1.8	0.0
20	Midnight Creek Wetland 4	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	-	-	0.0%	0.2	0.0
21	Midnight Creek Wetland 5	III	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	0.7	-	47.9%	2.5	1.2
22	Midnight Creek Wetland 6	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
23	Midnight Creek Wetland 7	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.2	-	100.0%	0.3	0.3
24	Midnight Creek Wetland 8	IV	Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.1	0.1	-	100.0%	0.2	0.2
25	West End Creek Wetland 1	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.6	0.6	-	100.0%	1.5	1.5

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
26	West End Creek Wetland 2	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	0.2	0.0	-	7.0%	0.5	0.0
27	West End Creek Wetland 3	IV	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Mine Site	1.5	-	-	0.0%	3.6	0.0
28	Exploration Area North of Sugar Creek	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	0.8	-	-	0.0%	3.3	0.0
29	Rabbit Creek Slope Wetlands	III	General Wildlife Habitat Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Mine Site	5.0	-	-	0.0%	20.1	0.0
30	Burntlog Alternative Wetlands - Existing Road	III	Natural Heritage Program Species Habitat General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	42.7	-	-	0.0%	175.1	0.0
31	Burntlog Wetlands from Existing Road to Thunder Mountain Road	II	General Wildlife Habitat Production Export/ Food Chain Support Groundwater Discharge/ Recharge Uniqueness	Access Roads	33.2	-	-	0.0%	116.2	0.0
32	Riordan Road Alternative and Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	35.2	0.3	0.8	3.3%	158.4	5.2
33	Johnson Creek Road Alternative/ Power Line Corridor	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Uniqueness	Utilities	50.6	3.2	0.1	6.6%	237.8	15.6
34	Cabin/Trout Creek Wetlands	III	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	46.8	1.5	0.0	3.3%	220.1	7.2
35	Power Line Corridor Along Warm Lake Road	IV	General Wildlife Habitat Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Utilities	7.3	0.3	0.0	4.1%	35.2	1.4
36	Thunder Mountain Road Wetlands	III	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads	12.3	-	-	0.0%	34.5	0.0
37	Thunder Mountain Road Alternative	II	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Groundwater Discharge/ Recharge	Access Roads	33.0	-	-	0.0%	173.4	0.0

AA Number	AA Name	Wetland Category ¹	Primary Functions ²	Major Associated Component	Total Wetland Acreage (acres) ³	Proposed Wetland Removal (acres) ⁴	Proposed Tall Tree Clearing (acres)	Proposed Percentage of AA Impact	Total Functional Units ⁵	Number of Functional Units Affected ⁶
38	EFSFSR between Thunder Mountain Road and Meadow Creek	II	General Wildlife Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	15.0	-	-	0.0%	79.2	0.0
39	Upper East Fork Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	26.4	1.2	-	4.5%	166.4	7.5
40	Stibnite Road Wetlands	III	Flood Attenuation Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Access Roads	26.1	0.9	-	3.6%	114.7	4.2
41	Wetlands Along Sugar Creek	III	Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support Groundwater Discharge/ Recharge	Access Roads (in the Mine Site Analysis Area)	1.2	-	-	0.0%	5.4	0.0
42	Proposed Logistics Center Wetlands	III	Flood Attenuation Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Off-site Facilities	7.7	0.8	-	10.2%	34.4	3.5
43	Transmission Line Wetlands	III	Natural Heritage Program Species Habitat Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Production Export/ Food Chain Support	Utilities; Transmission Line	47.5	2.6	-	5.5%	180.5	10.0
44	Transmission Line Wetlands - River	III	Short- and Long-Term Surface Water Storage Sediment/ Nutrient/ Toxicant Removal Sediment/ Shoreline Stabilization Production Export/ Food Chain Support	Utilities; Transmission Line	6.9	0.2	-	2.5%	42.4	1.0
Total					722.4	139.7	1.0	NA	3,525.0	803.0

Table Sources: HDR 2016; Tetra Tech 2018

Table Notes:

1 Wetland categories range from I (highest functional value) to IV (lowest functional value) (Berglund and McEldowney 2008). No Category I wetlands were documented in the analysis area.

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6 Functional unit impacts were calculated by multiplying the percentage of AA impact by the total functional units associated with each AA.

AA = Assessment Area.

DMEA = Defense Minerals Exploration Administration.

EFSFSR = East Fork of the South Fork of the Salmon River.

NWI = National Wetlands Inventory.

SGLF = Stibnite Gold Logistics Facility. SODA = spent ore disposal area.

NA = not applicable

References Cited

Berglund, J. and R. McEldowney

- 2008 MDT Montana Wetland Assessment Method. Prepared for Montana Department of Transportation. Helena, MT: Post, Buckley, Schuh & Jernigan.

HDR, Inc. (HDR)

- 2016 Wetland Resources Baseline Study for Logistics Center Site, Stibnite Gold Project. December.

Tetra Tech, Inc. (Tetra Tech)

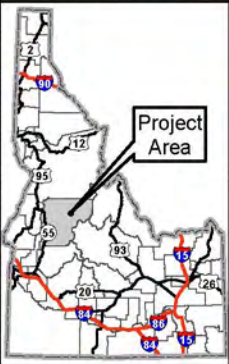
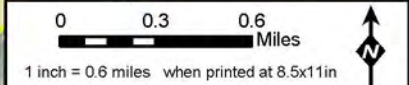
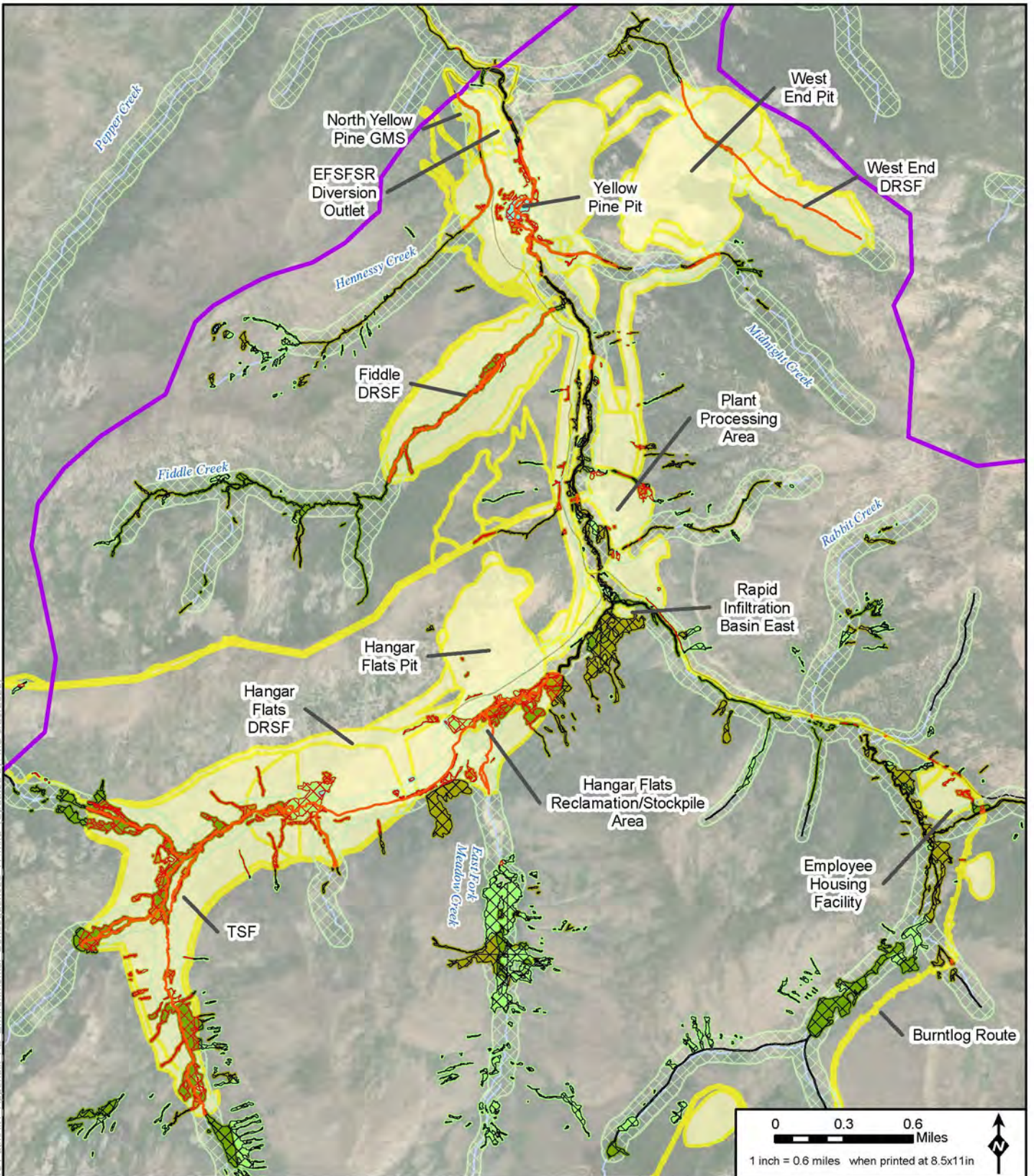
- 2017 Additional Information to Amend the Wetlands Functions and Values Assessment, Stibnite Gold Project, 194-6050. Final Technical Memorandum. Prepared for Midas Gold Idaho, Inc. October 23, 2017.
- 2018 Additional Information to Amend the 2016 HDR Wetlands Functions and Values Assessment, Stibnite Gold Project, 194-6296. Final Technical Memorandum Prepared for Midas Gold Idaho, Inc. March 27, 2018.

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**Appendix I-2: Impacts to Wetlands and Riparian Resources in the
Analysis Area, Alternative 1**

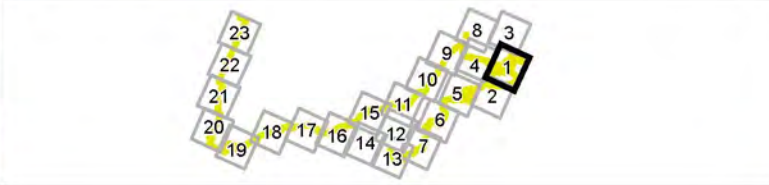
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Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Open Water	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Emergent	Highway	
Avoided Wetland	Scrub-Shrub	Road	

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

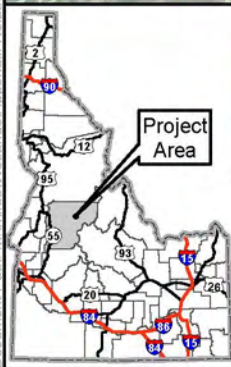
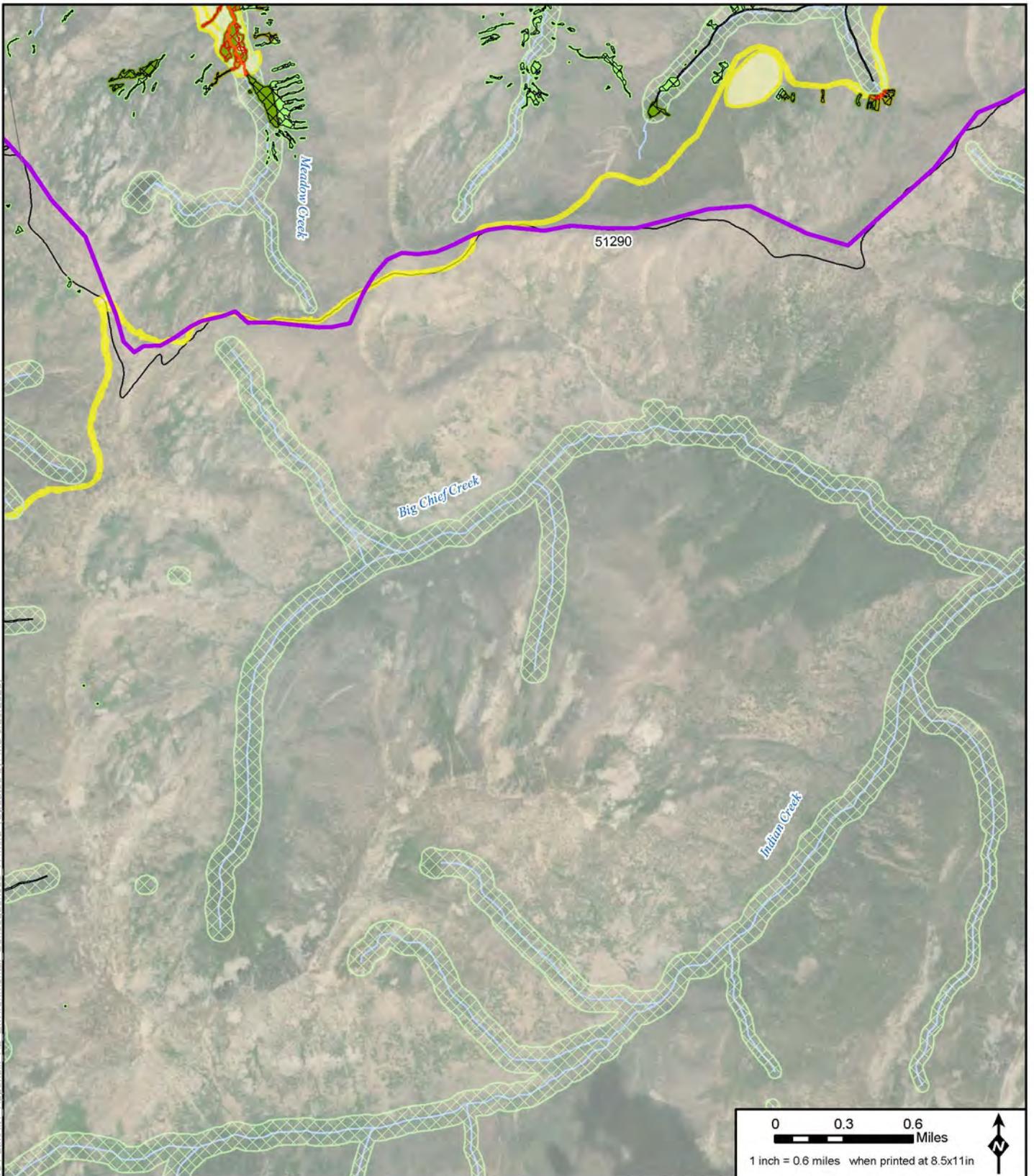


Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

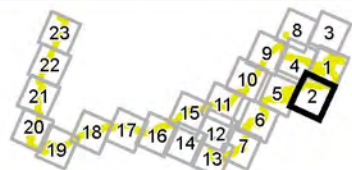


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 A2-Page 1
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| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 1 Project Disturbance Area | Wetland Type | Other Features | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Railroad | |
| Avoided Wetland | Emergent | Highway | |
| | Scrub-Shrub | Road | |

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

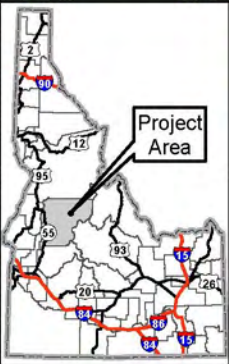
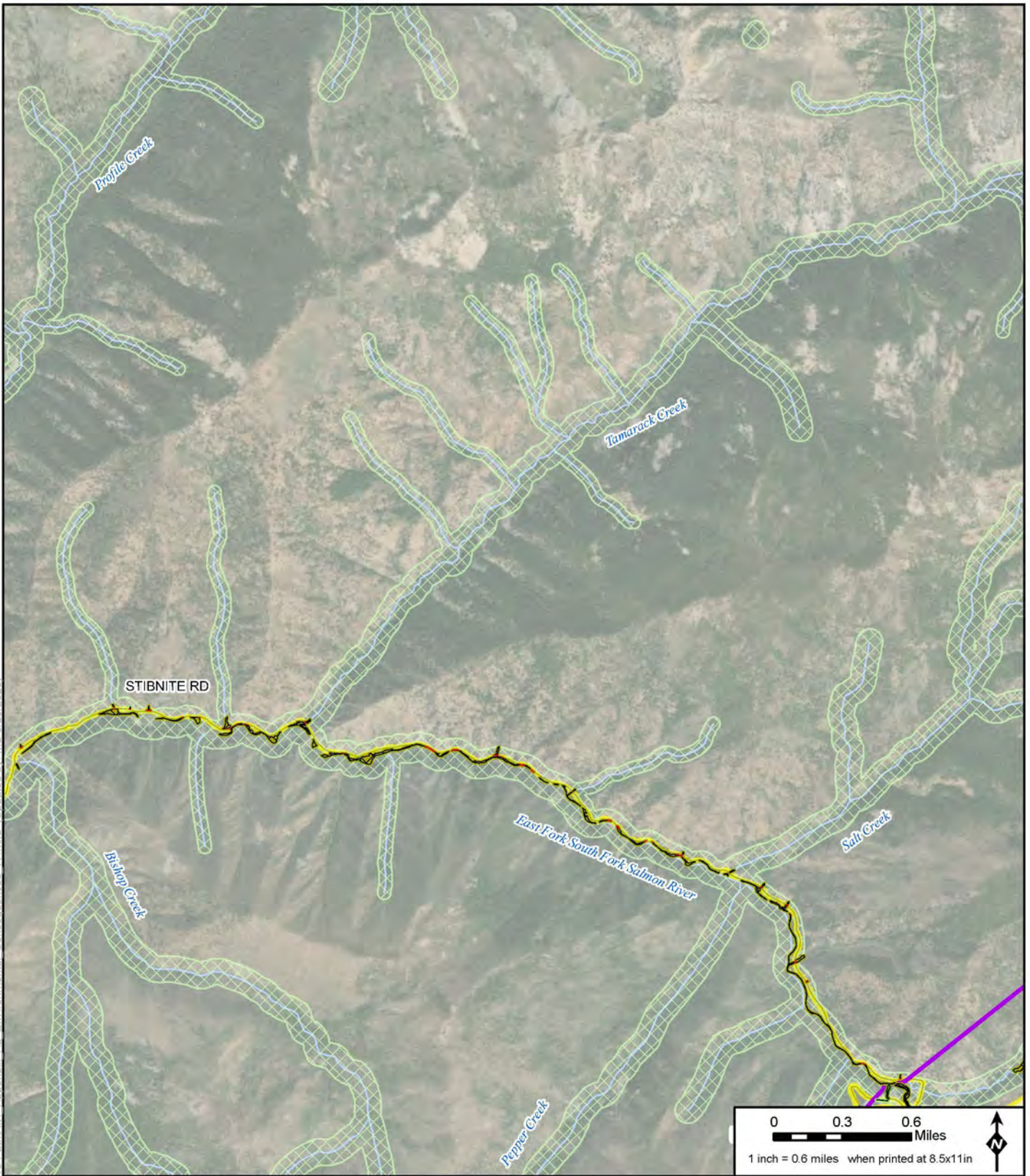


Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

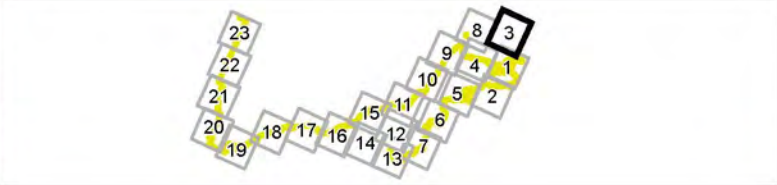
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 Map Date: 5/29/2020



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Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Other Features	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Railroad	
Avoided Wetland	Emergent	Highway	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



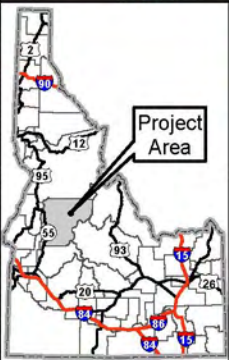
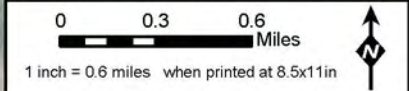
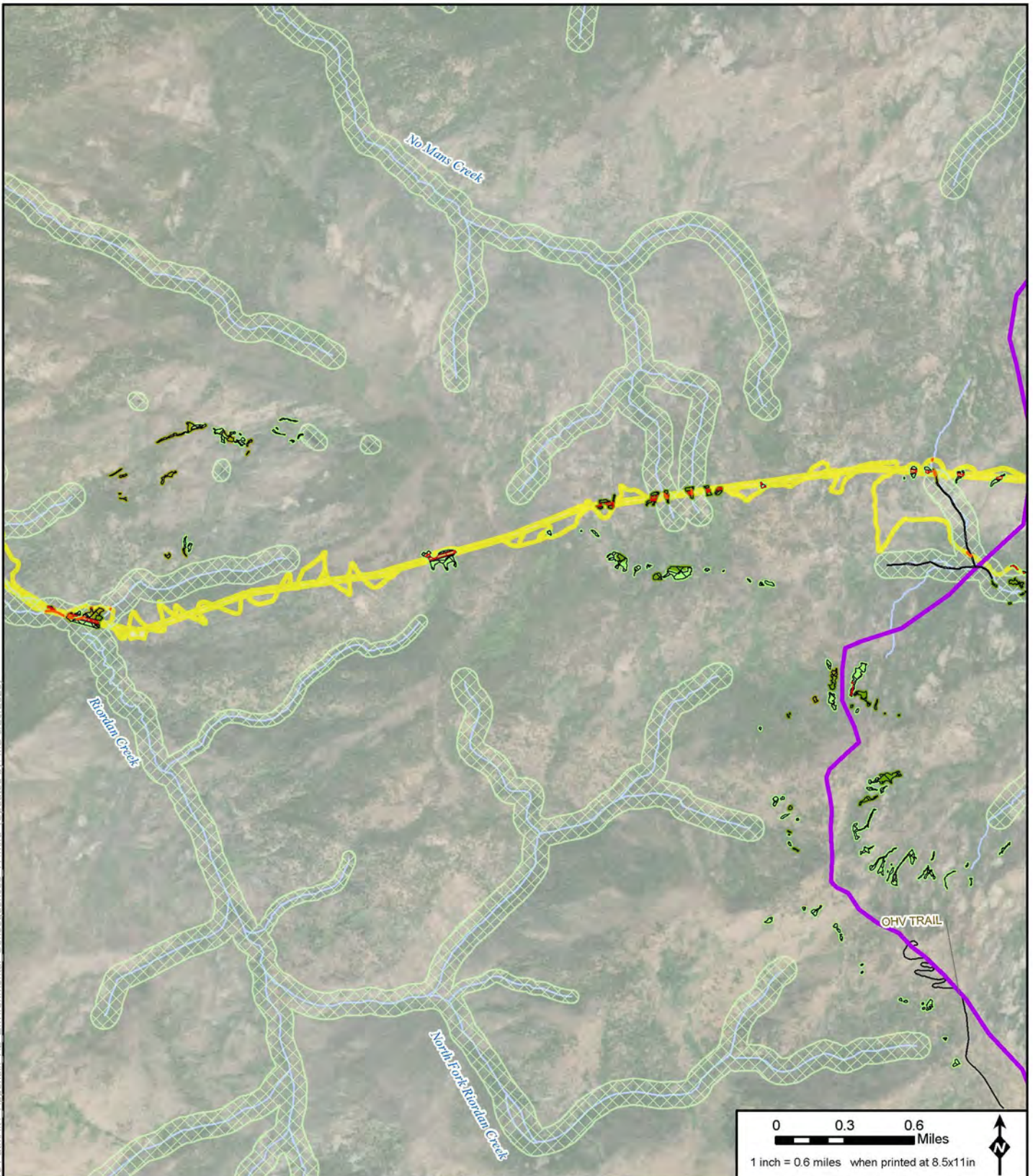
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 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

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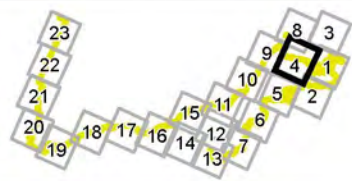
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|--|----------------------------|----------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 1 Project Disturbance Area | Wetland Type | Other Features | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Railroad | |
| Avoided Wetland | Emergent | Highway | |
| | Scrub-Shrub | Road | |

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

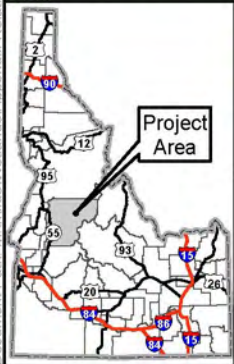
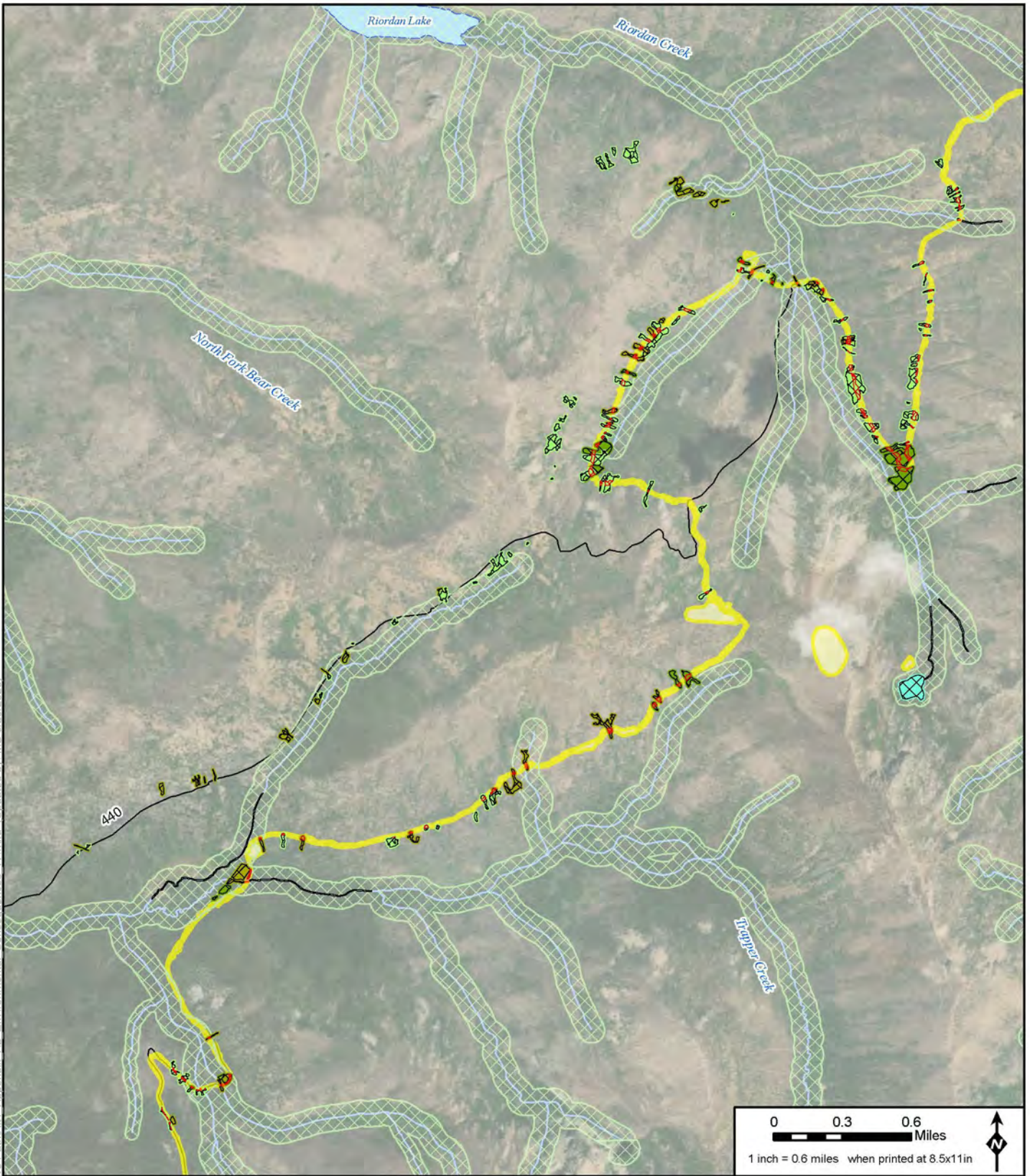


**Environmental Consequences
 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 4
 Map Date:
 5/29/2020



Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Other Features	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Railroad	
Avoided Wetland	Emergent	Highway	
	Scrub-Shrub	Road	

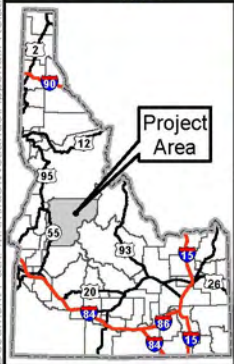
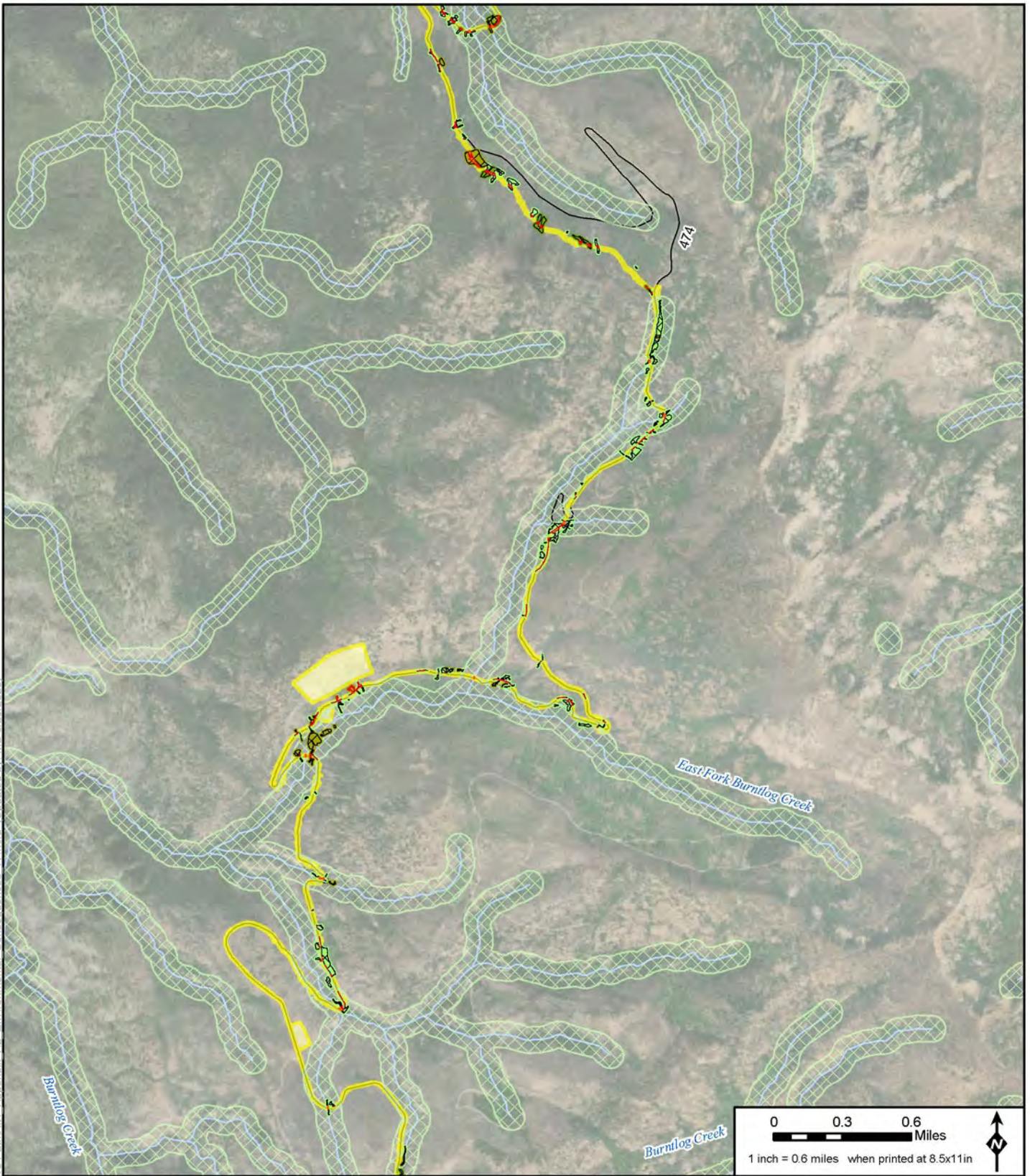
* Project Components are associated with Alternative 1
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**Environmental Consequences
 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 5
 Map Date:
 5/29/2020





Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub		

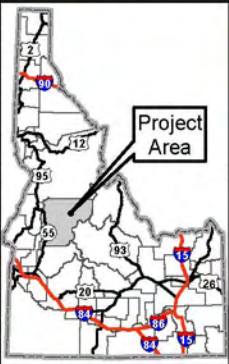
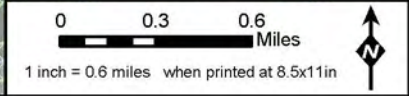
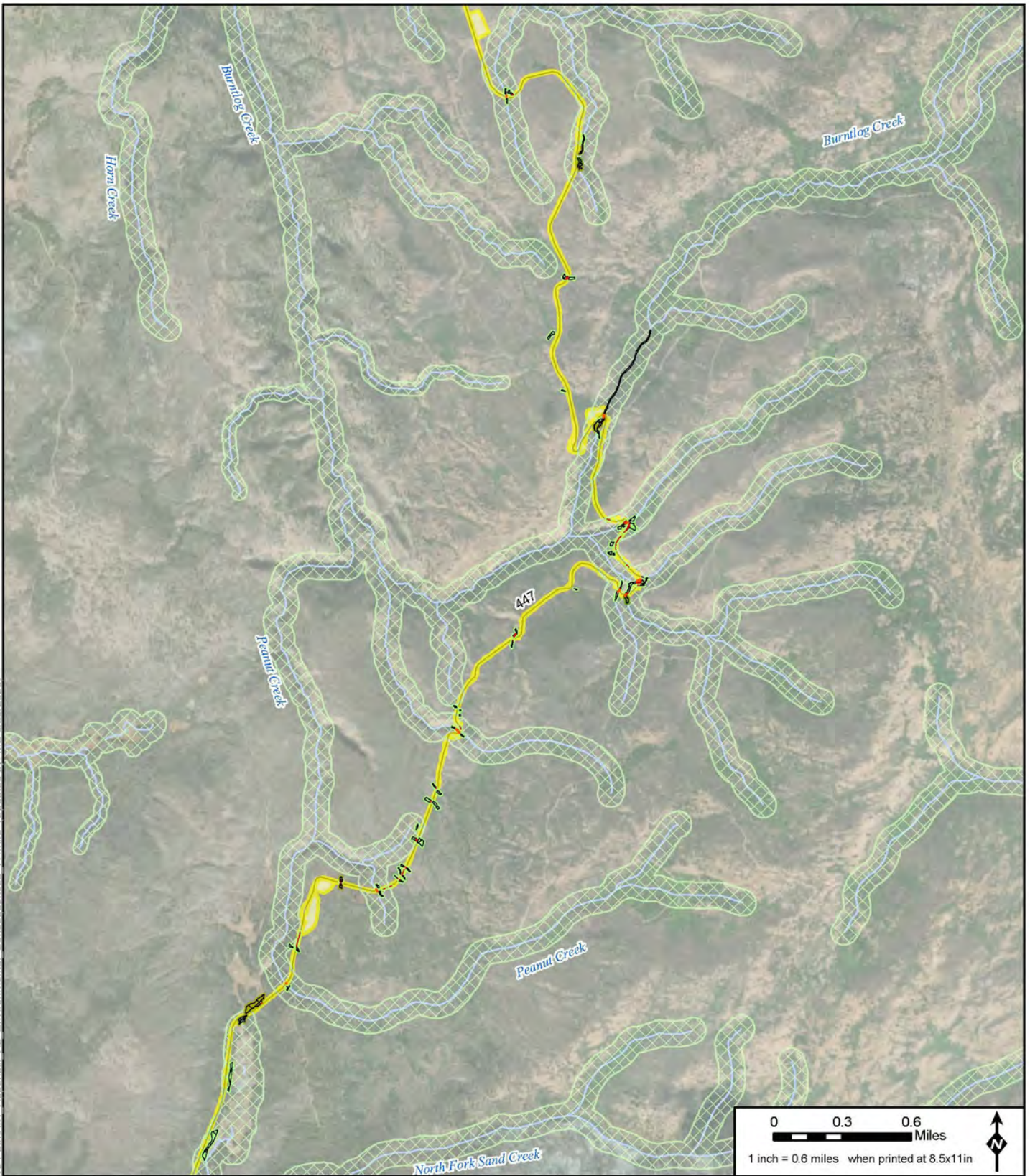
* Project Components are associated with Alternative 1
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**Environmental Consequences
 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

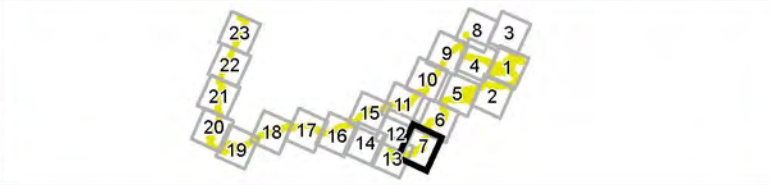



Appendix:
 A2-Page 6
 Map Date:
 5/29/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Stream/River
Other Features	Lake/Reservoir
Railroad	Highway
Highway	Road

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



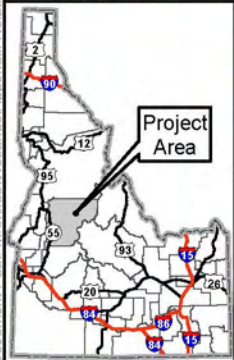
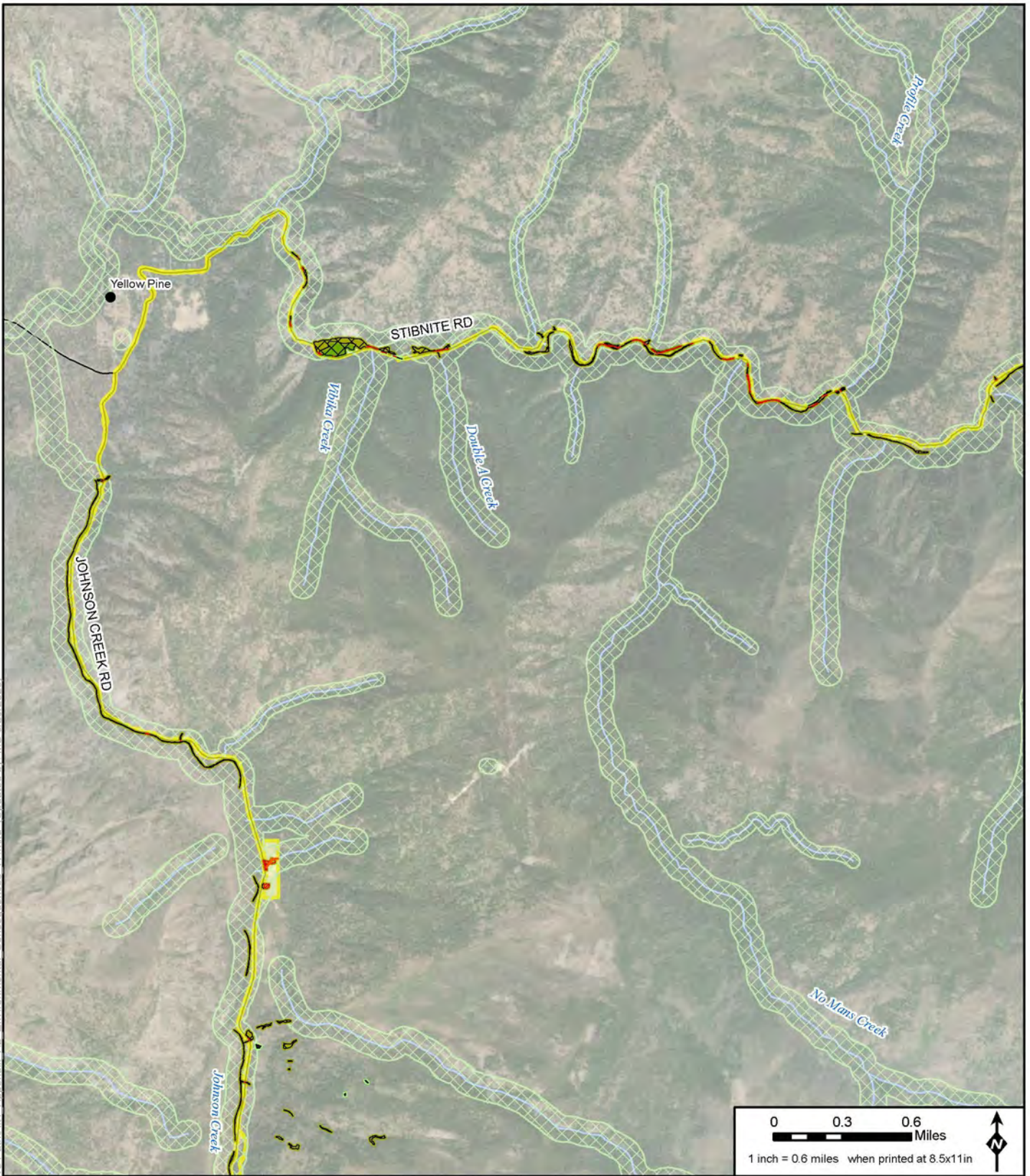
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 7
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A11 Appendix A2 Environmental Consequences v7.mxd (Updated by MS 5/29/2020)





Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub		

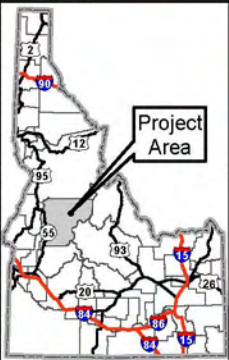
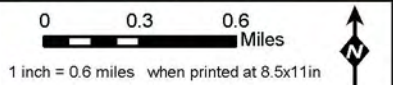
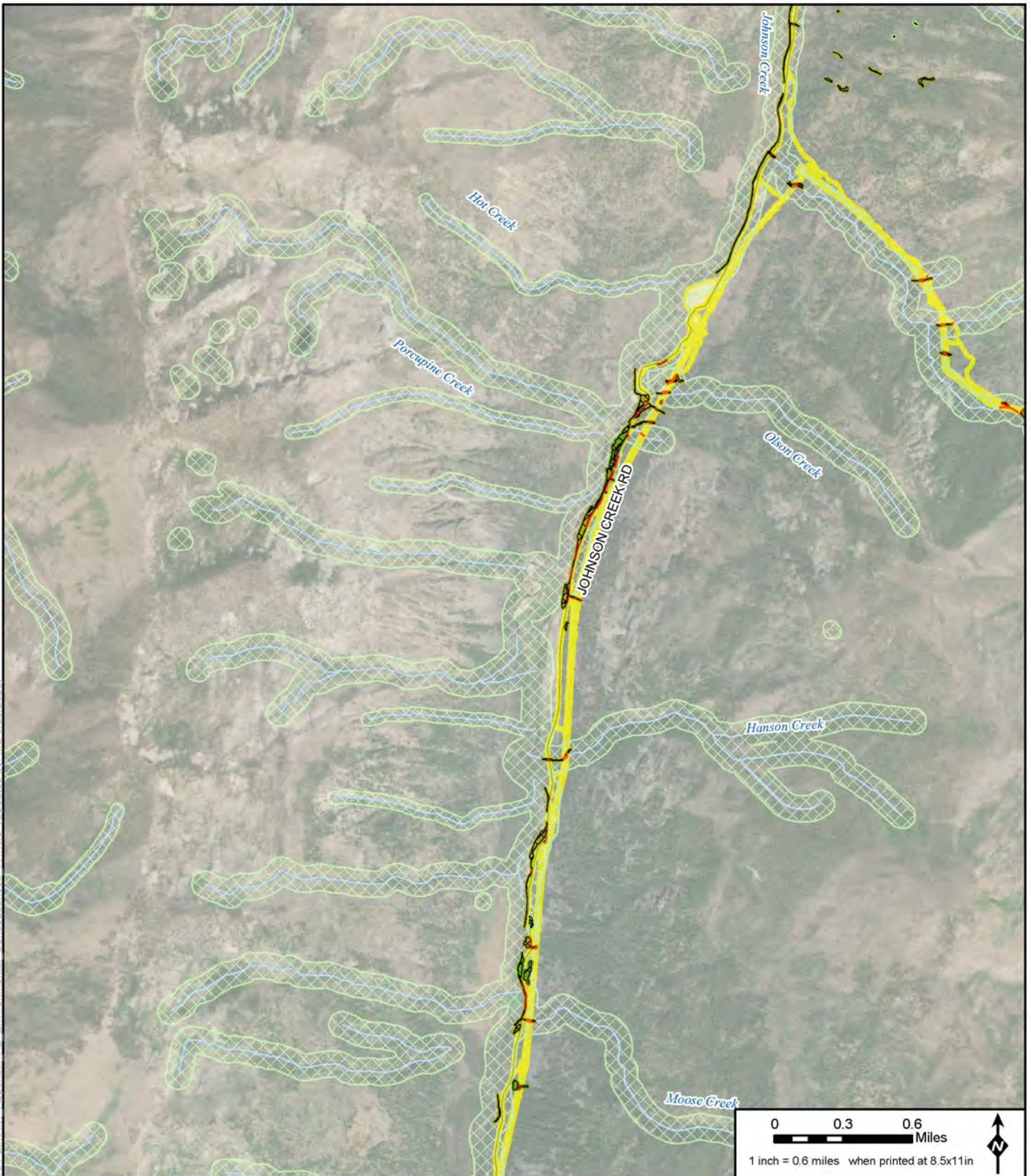
* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

**Environmental Consequences
 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 8
 Map Date:
 5/29/2020





Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Other Features	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Railroad	
Avoided Wetland	Emergent	Highway	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



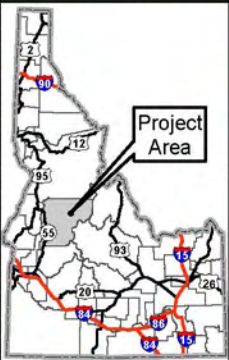
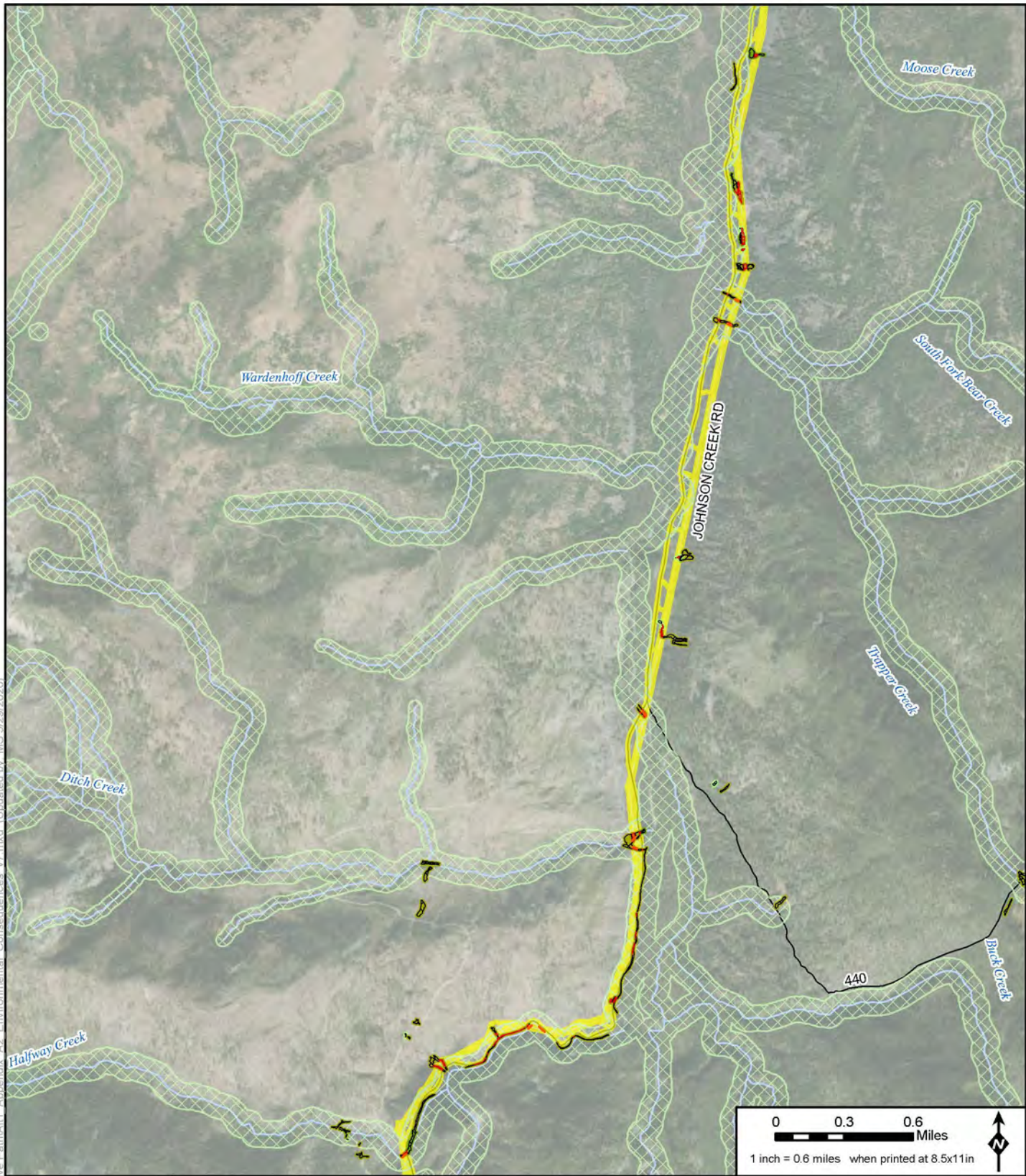
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

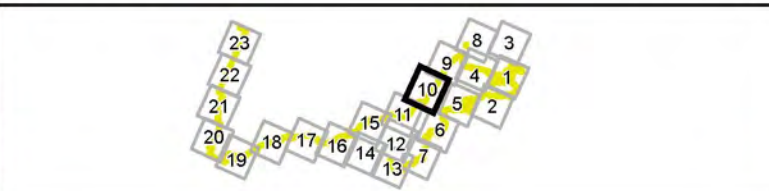
Appendix:
 A2-Page 9
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A111 - Appendix A2 - Environmental Consequences_v7.mxd (Updated by MS 5/29/2020)



Legend



Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub		



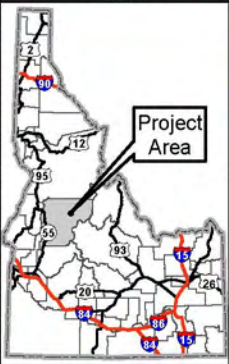
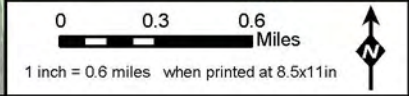
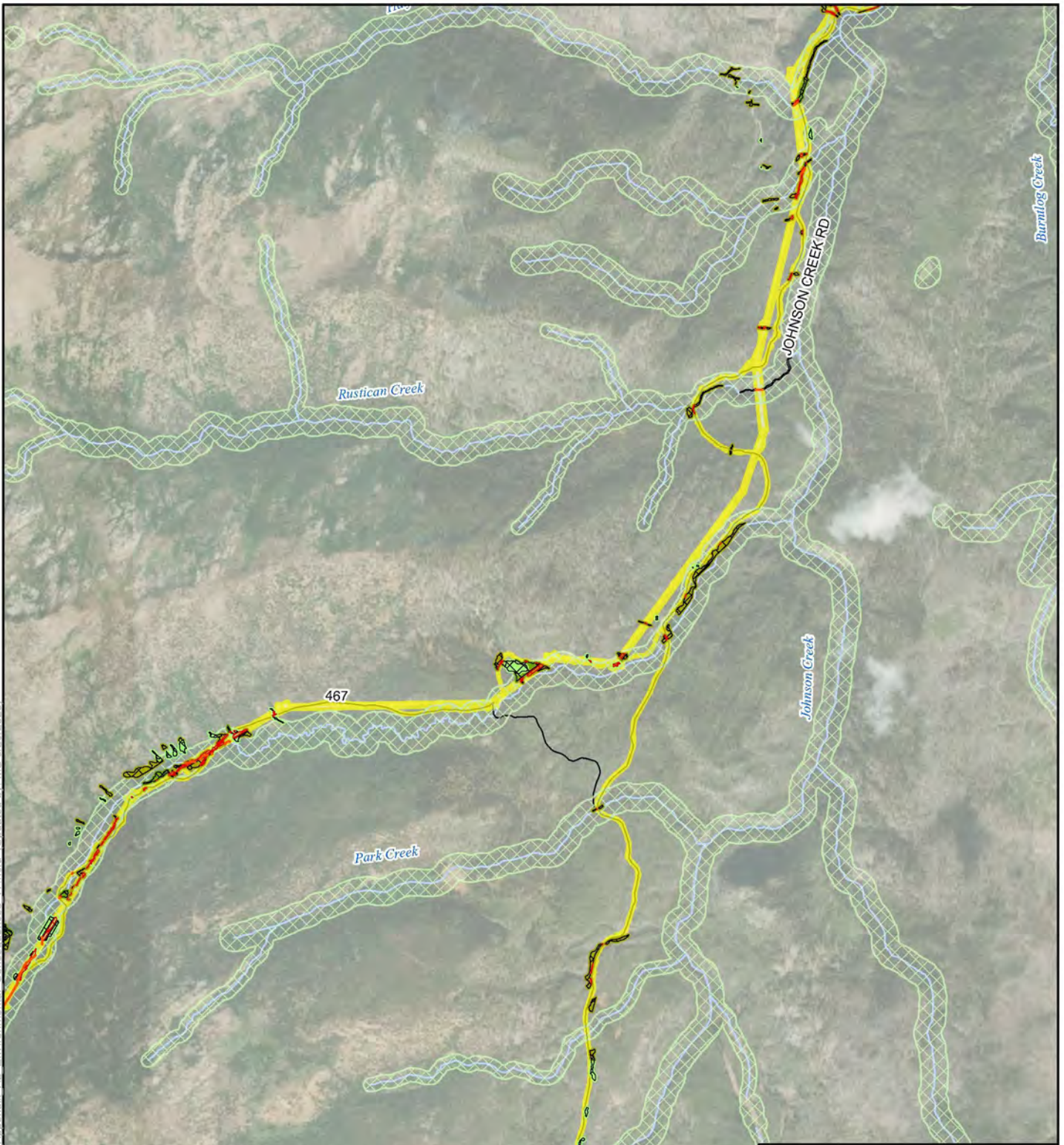
**Environmental Consequences
Alternative 1
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 1
Note: Not all features are visible on this map page

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

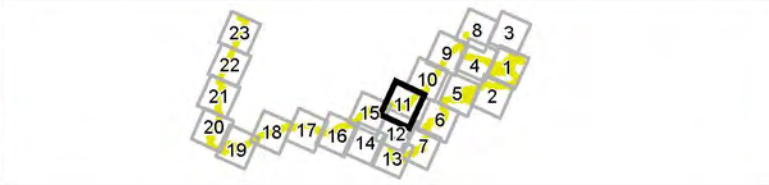



Appendix:
A2-Page 10
Map Date:
5/29/2020





Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Other Features	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Railroad	
Avoided Wetland	Emergent	Highway	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

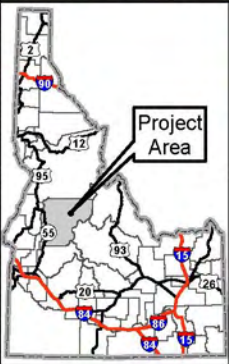
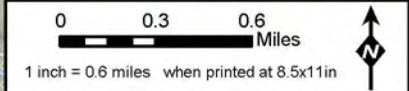
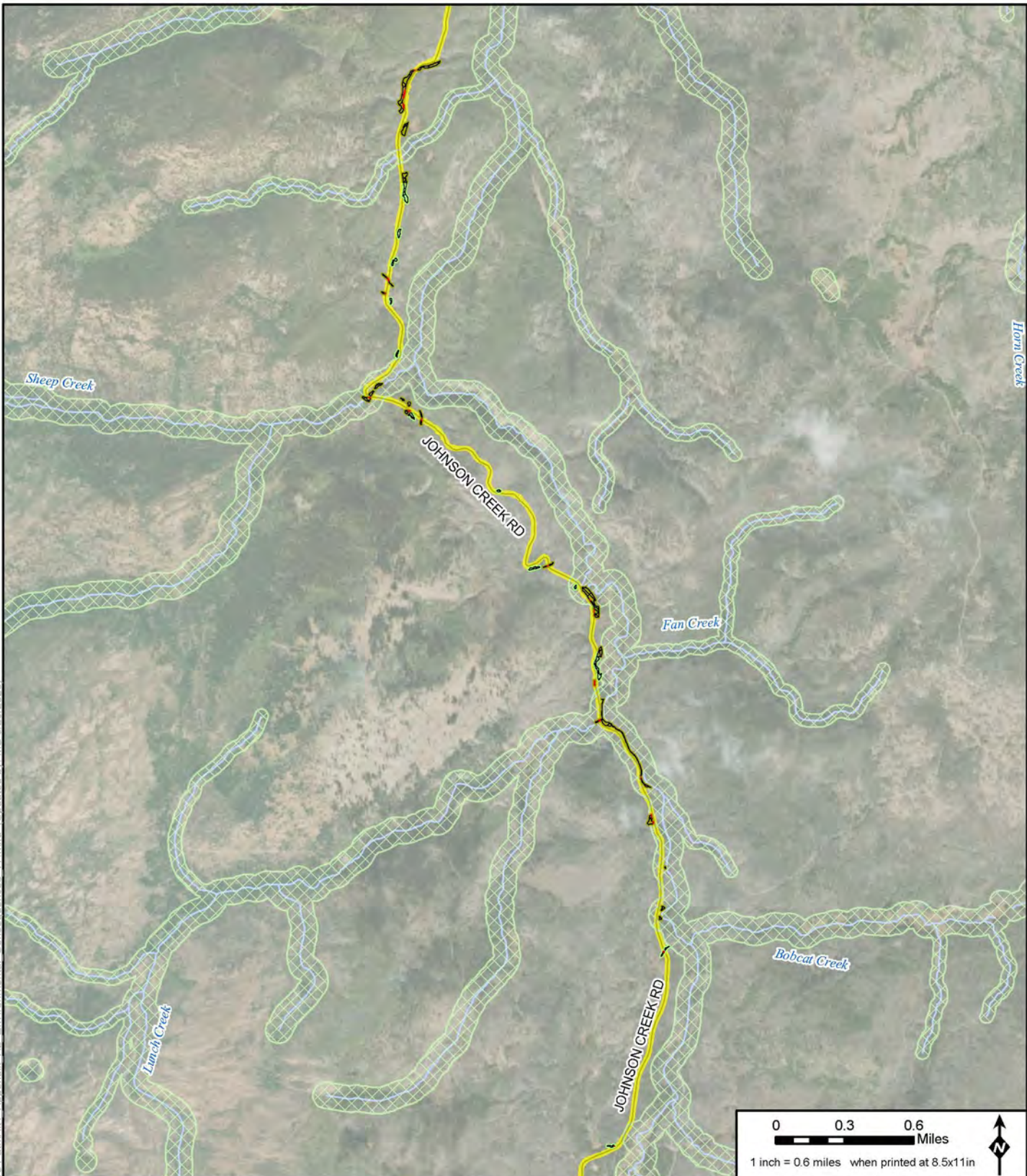


Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 11
 Map Date:
 5/29/2020





- Legend**
- | | | | |
|--|----------------------------|----------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 1 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Road | |
| | Scrub-Shrub | | |

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



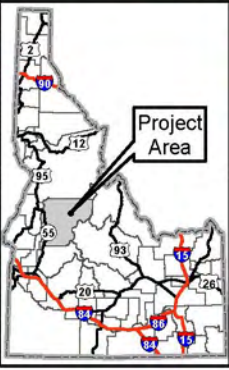
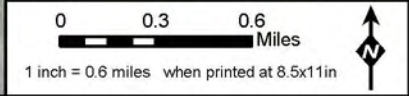
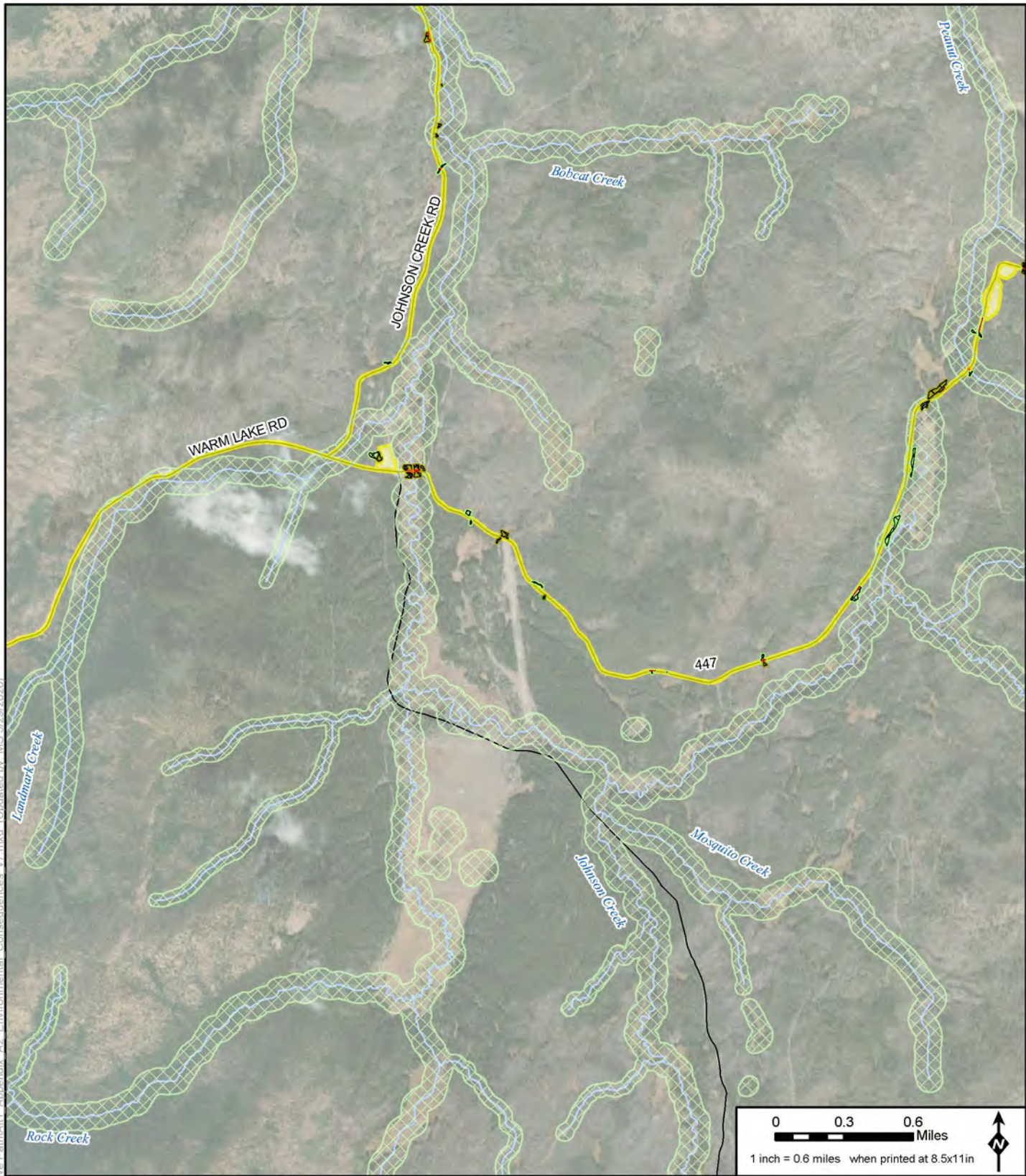
**Environmental Consequences
 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 12
 Map Date:
 5/29/2020

Document Path: M:\wms\Wetlands\Appendix-Relative Path\A111-Appendix A2-Environmental Consequences_v7.mxd (Updated by MS 5/29/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Stream/River
Other Features	Lake/Reservoir
Railroad	Highway
Highway	Road

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



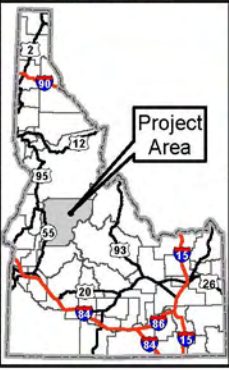
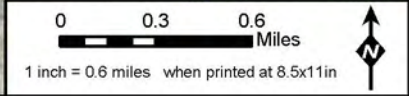
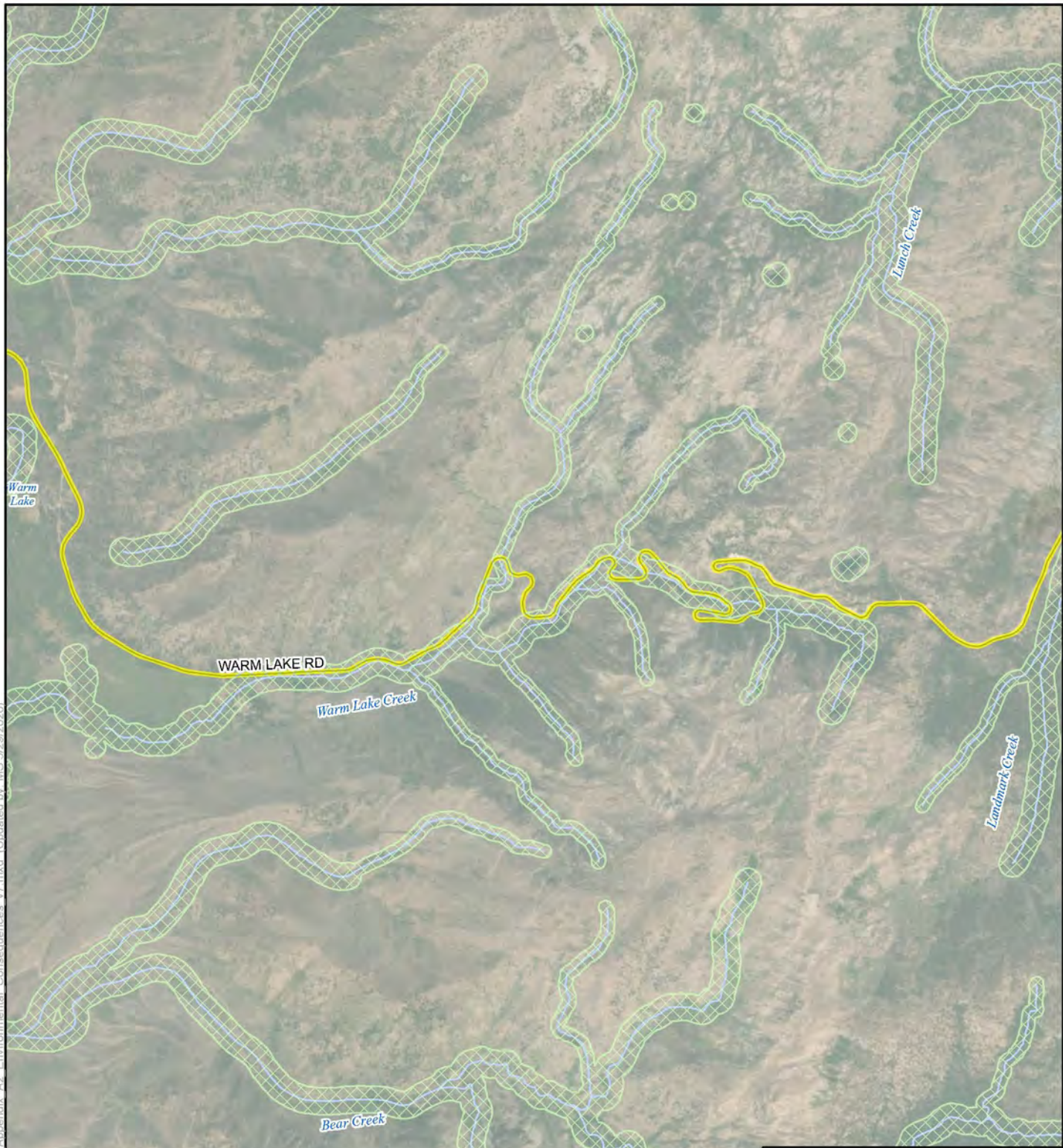
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



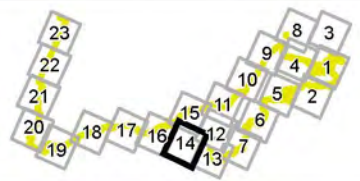

Appendix:
 A2-Page 13
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A111 Appendix A2 Environmental Consequences v7.mxd (Updated by MS 5/29/2020)





Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Other Features	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Railroad	
Avoided Wetland	Emergent	Highway	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



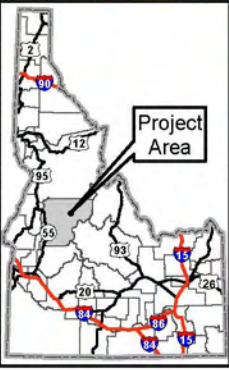
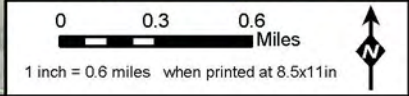
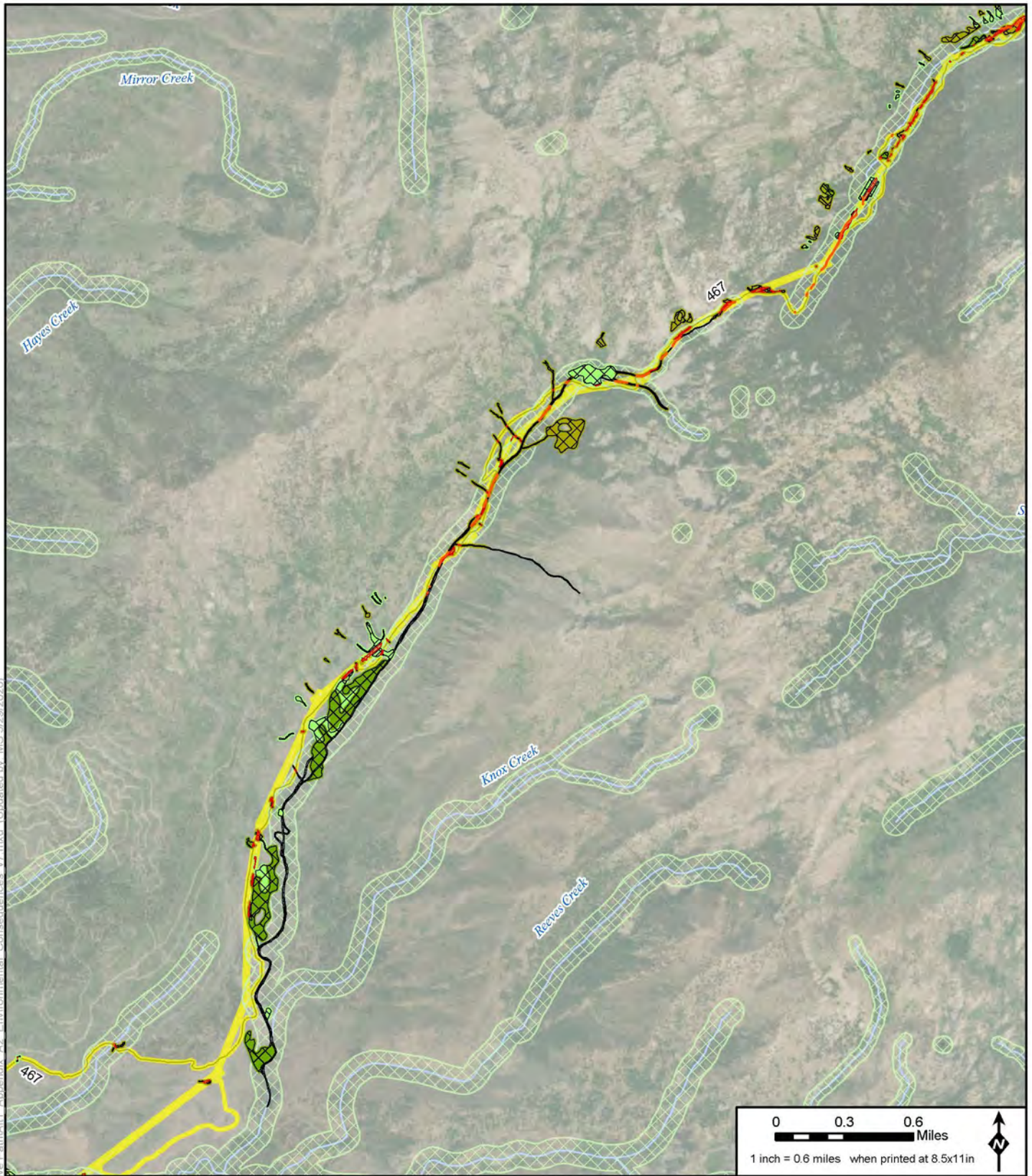
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 14
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix - Relative Path\A11 - Appendix A2 - Environmental Consequences_v7.mxd (Updated by MS 5/29/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Stream/River
Other Features	Lake/Reservoir
Railroad	Highway
Highway	Road

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



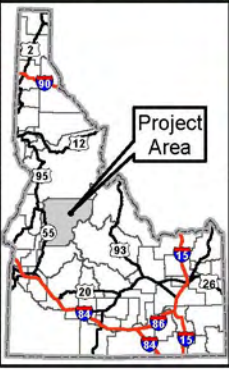
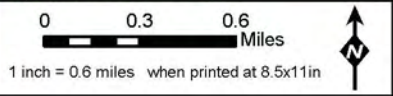
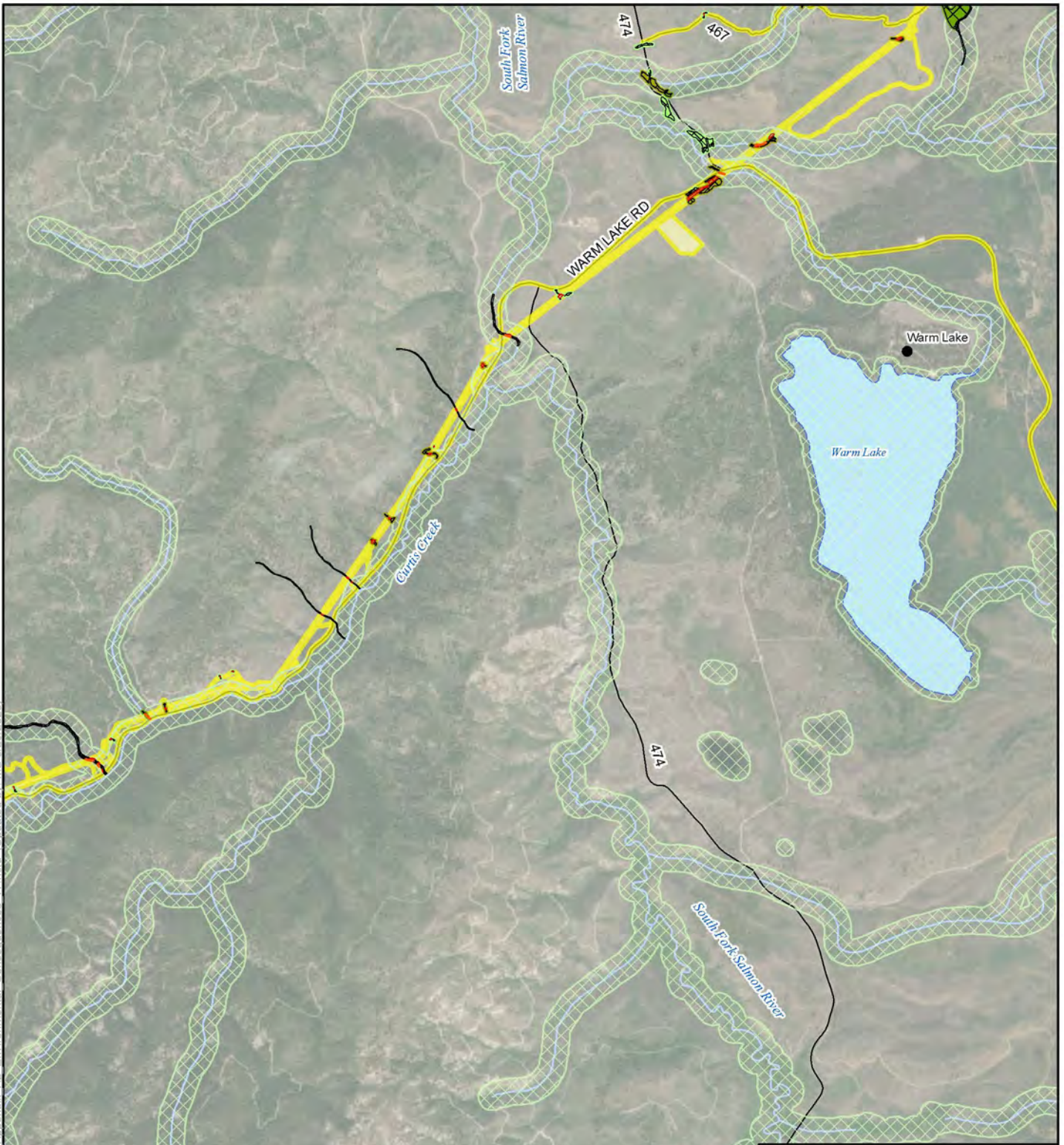
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



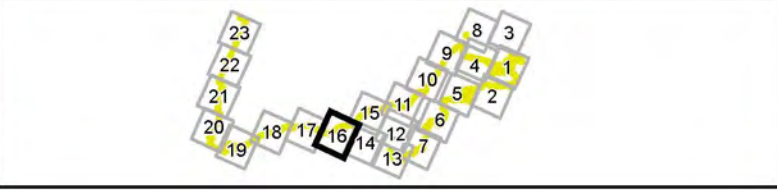

Appendix:
 A2-Page 15
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A11 - Appendix A2 - Environmental Consequences v7.mxd (Updated by MS 5/29/2020)





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Wetland Type
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
Forested	Scrub-Shrub
Other Features	Stream/River
Railroad	Lake/Reservoir
Highway	Road

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page



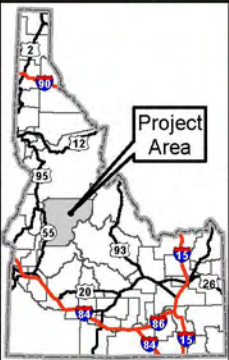
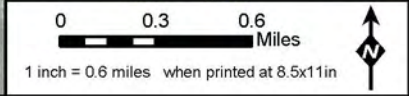
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

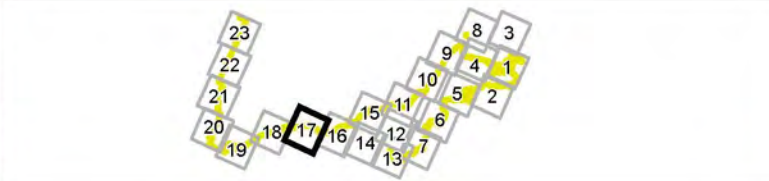
Appendix:
 A2-Page 16
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A111 - Appendix A2 - Environmental Consequences v7.mxd (Updated by MS 5/29/2020)



Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub		

* Project Components are associated with Alternative 1
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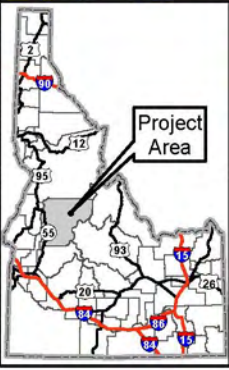
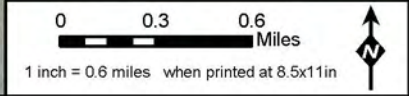
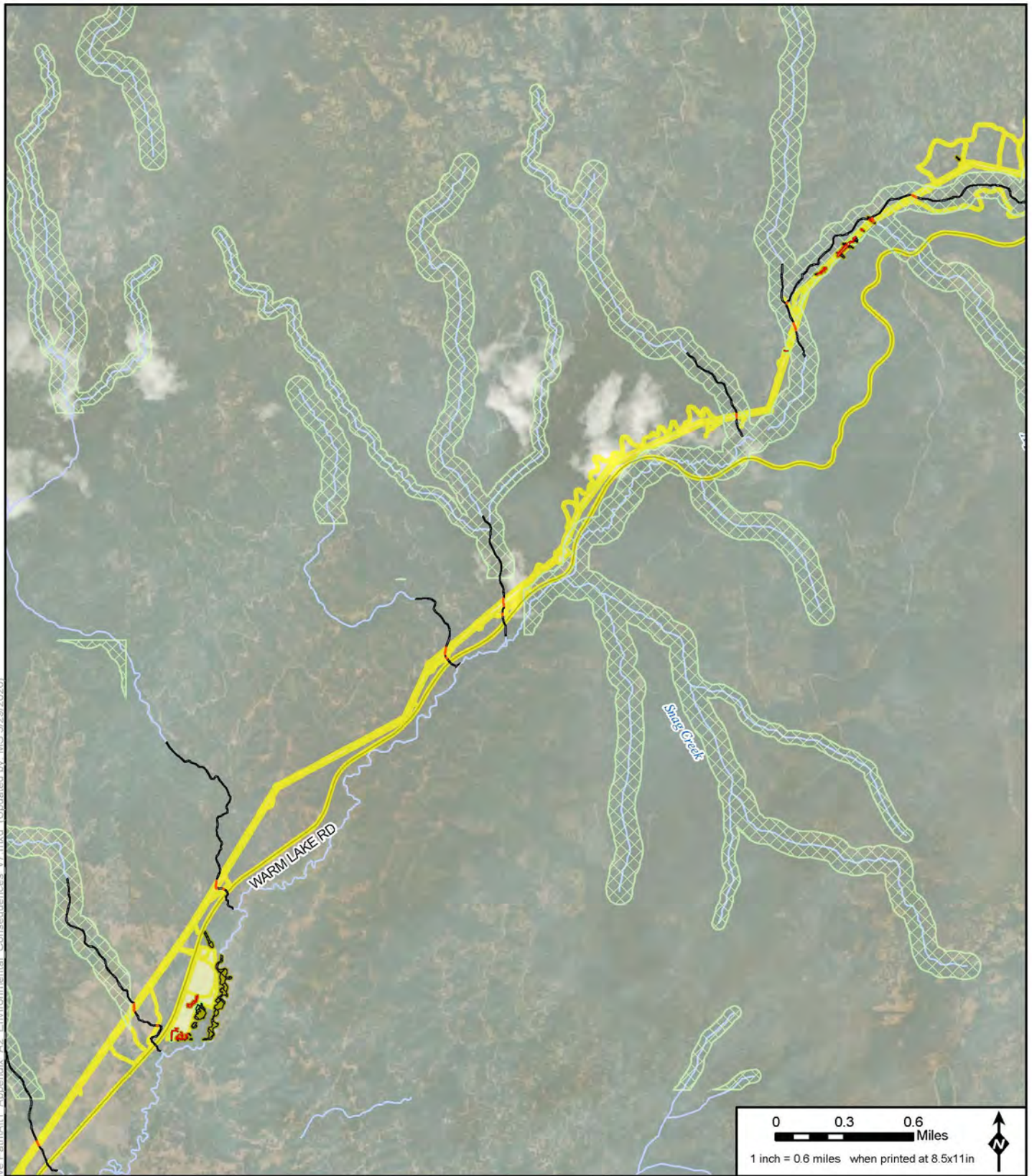
Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



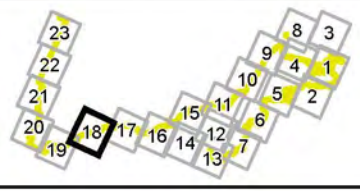
Appendix:
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 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\Alt1 - Appendix A2 Environmental Consequences_v7.mxd (Updated by MS 5/29/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Wetland Type
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
Forested	Scrub-Shrub
Railroad	Other Features
Highway	Stream/River
Road	Lake/Reservoir

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

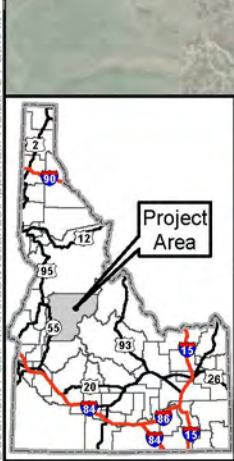
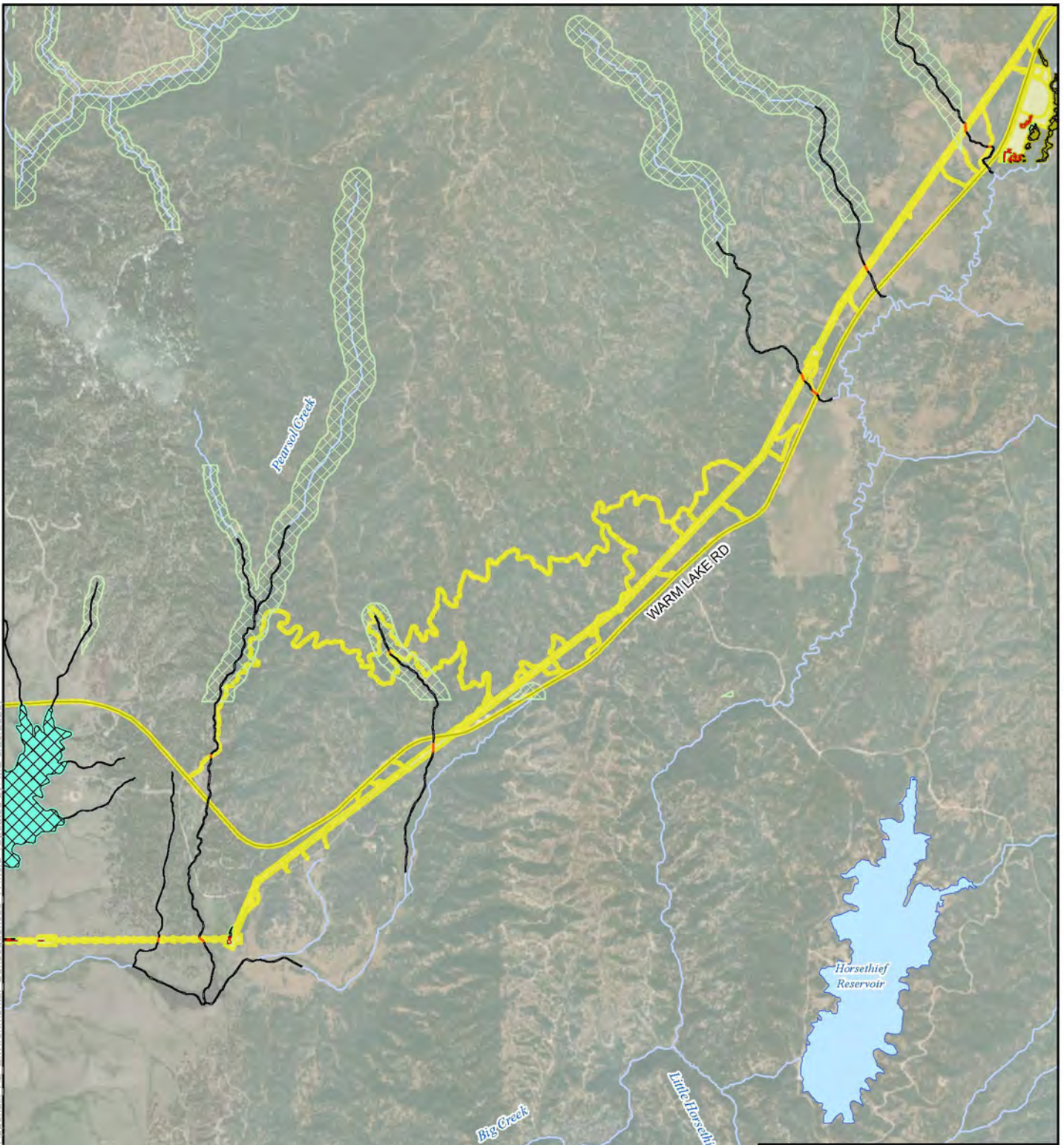


Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

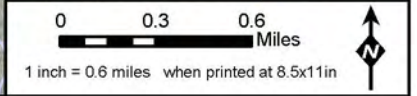
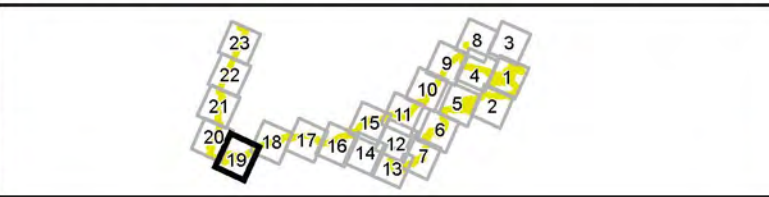
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
 A2-Page 18
 Map Date:
 5/29/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Wetland Type
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
Forested	Scrub-Shrub
Railroad	Other Features
Highway	Stream/River
Road	Lake/Reservoir

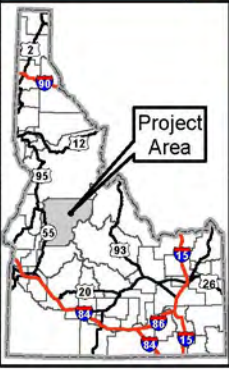
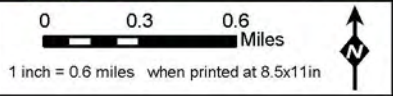
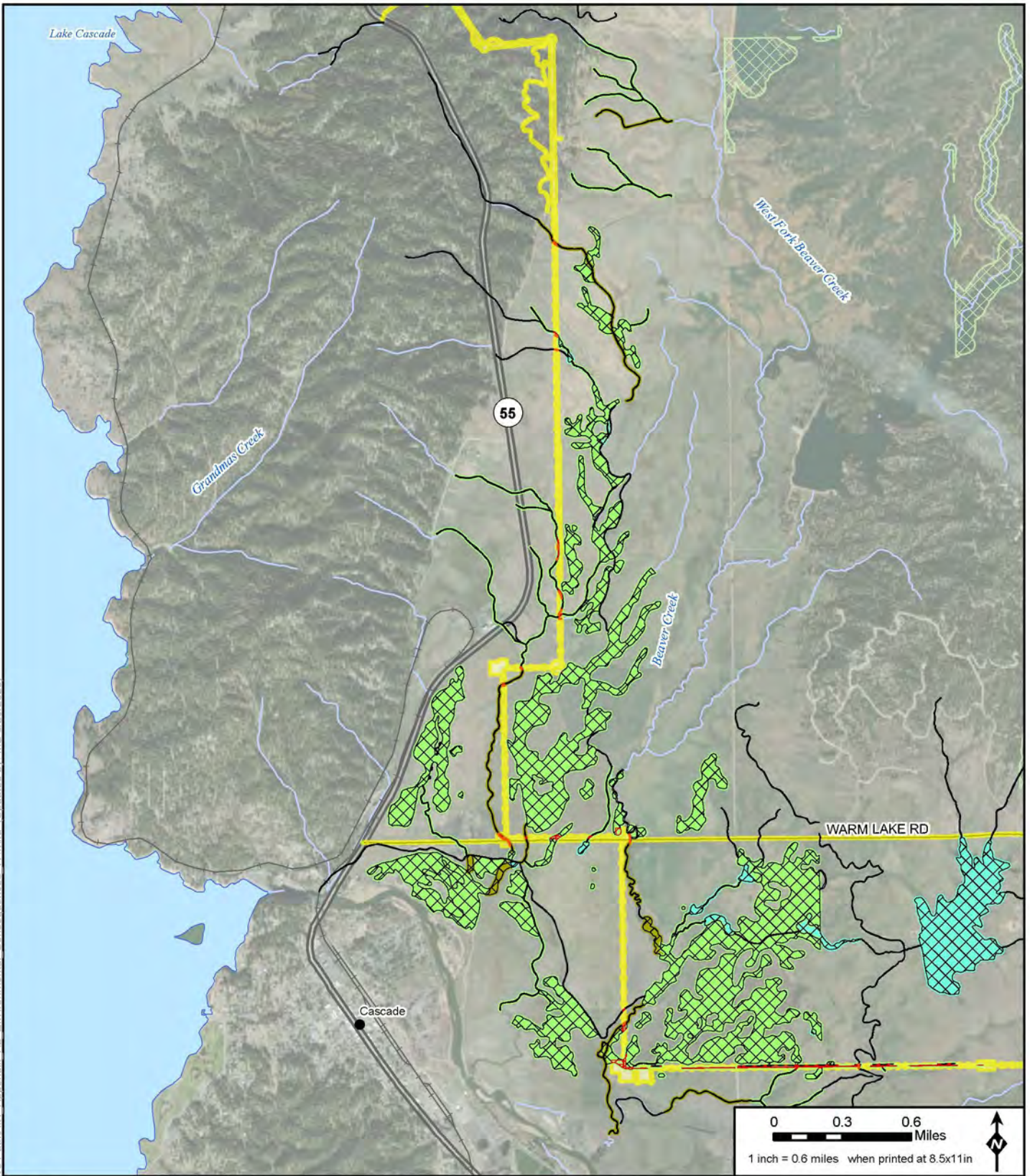


**Environmental Consequences
Alternative 1
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

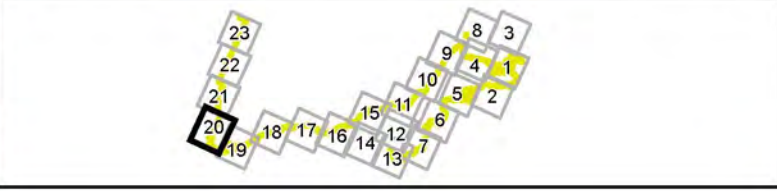



Appendix:
A2-Page 19
Map Date:
5/29/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Wetland Type
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
Forested	Scrub-Shrub
Other Features	Stream/River
Railroad	Lake/Reservoir
Highway	Road

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

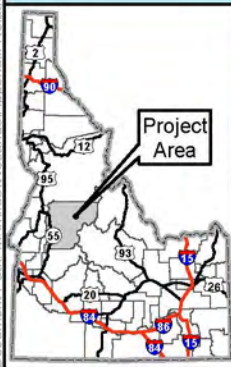
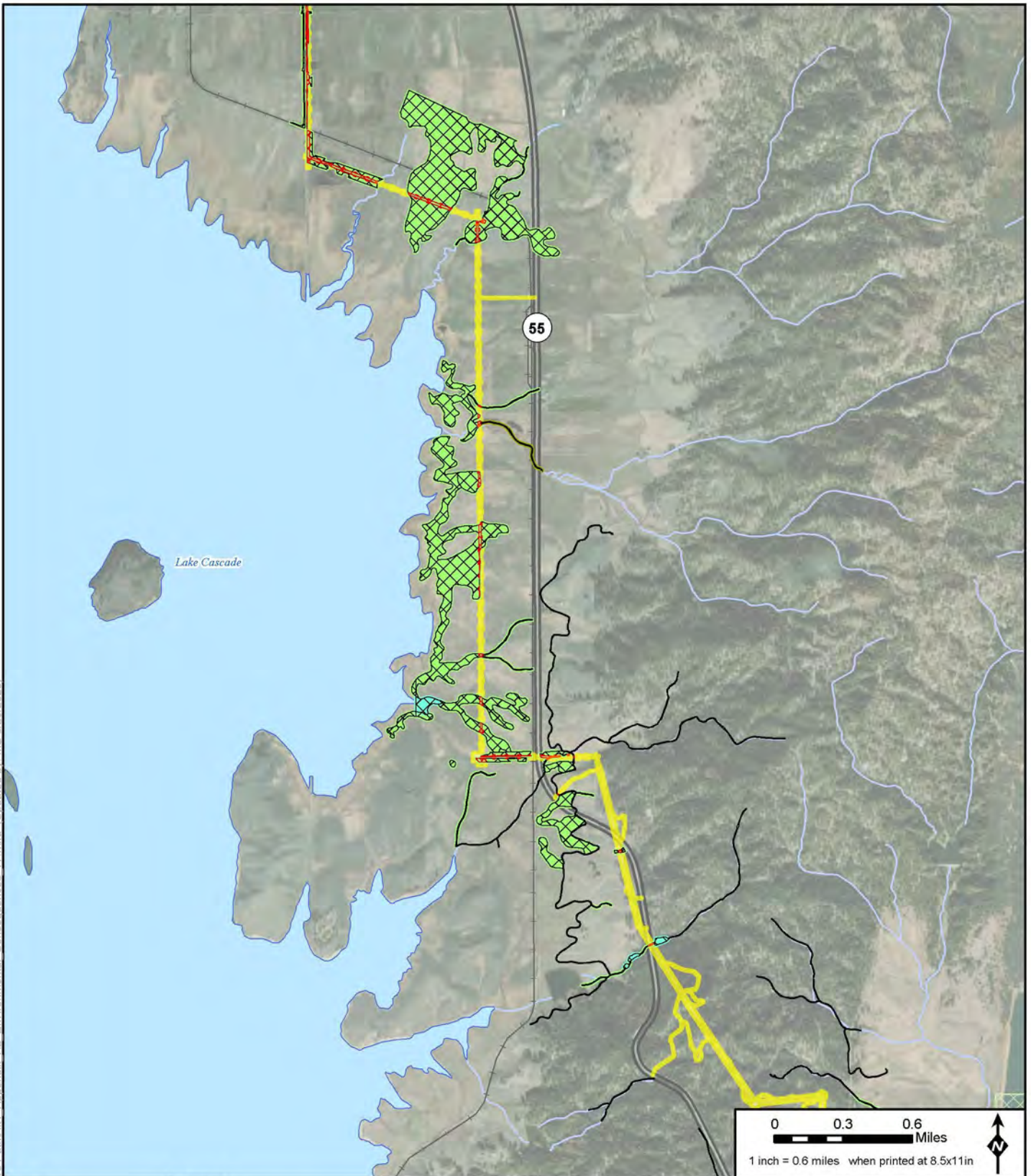


Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

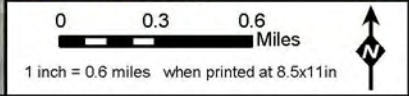
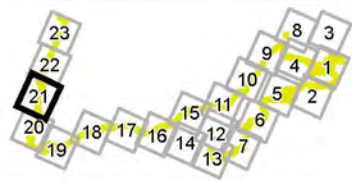



Appendix:
 A2-Page 20
 Map Date:
 5/29/2020



Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 1 Project Disturbance Area	Wetland Type	Other Features	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Railroad	
Avoided Wetland	Emergent	Highway	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

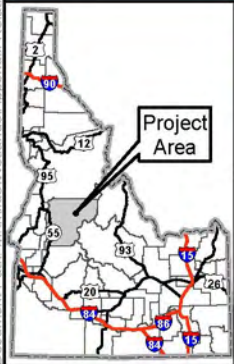
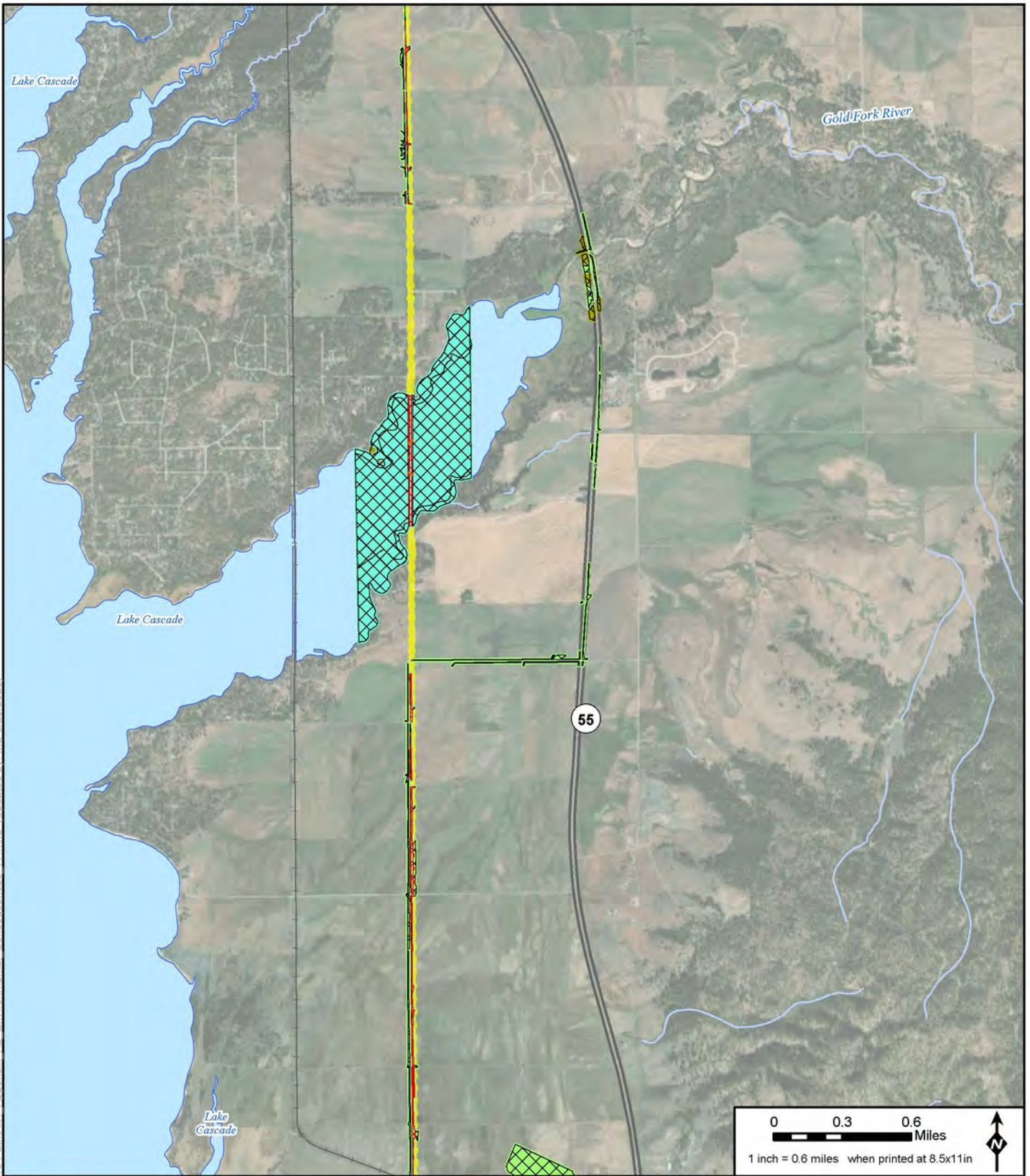


Environmental Consequences Alternative 1 Stibnite Gold Project Stibnite, ID

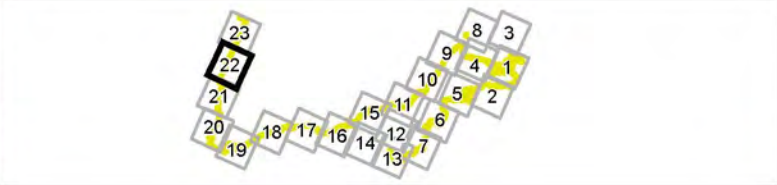
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
 A2-Page 21
 Map Date:
 5/29/2020





- Legend**
- | | | | |
|--|----------------------------|----------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 1 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Road | |
| | Scrub-Shrub | | |
- * Project Components are associated with Alternative 1
 Note: Not all features are visible on this map page

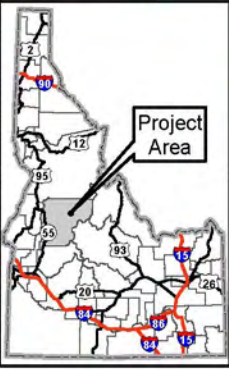
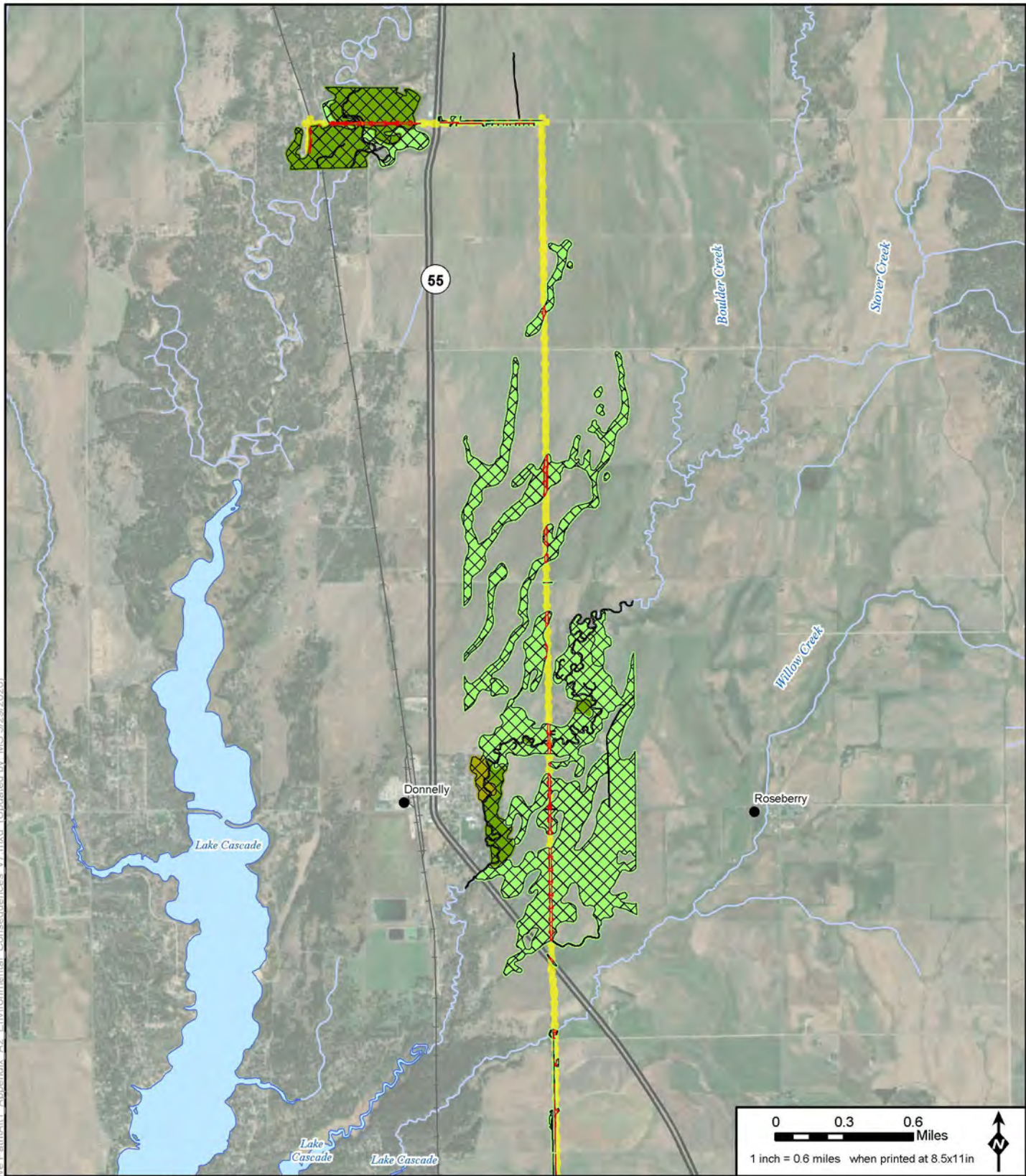


**Environmental Consequences
 Alternative 1
 Stibnite Gold Project
 Stibnite, ID**

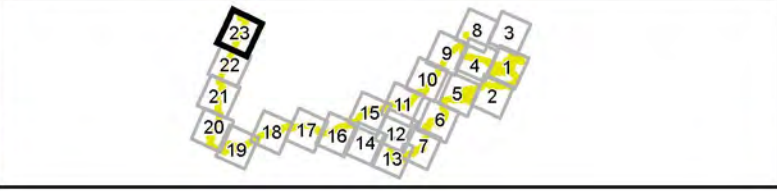
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 22
 Map Date:
 5/29/2020




Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 1 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Stream/River
Other Features	Lake/Reservoir
Railroad	Highway
Highway	Road



**Environmental Consequences
Alternative 1
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 1
Note: Not all features are visible on this map page

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

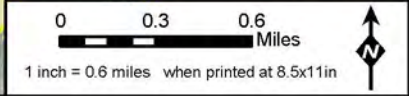
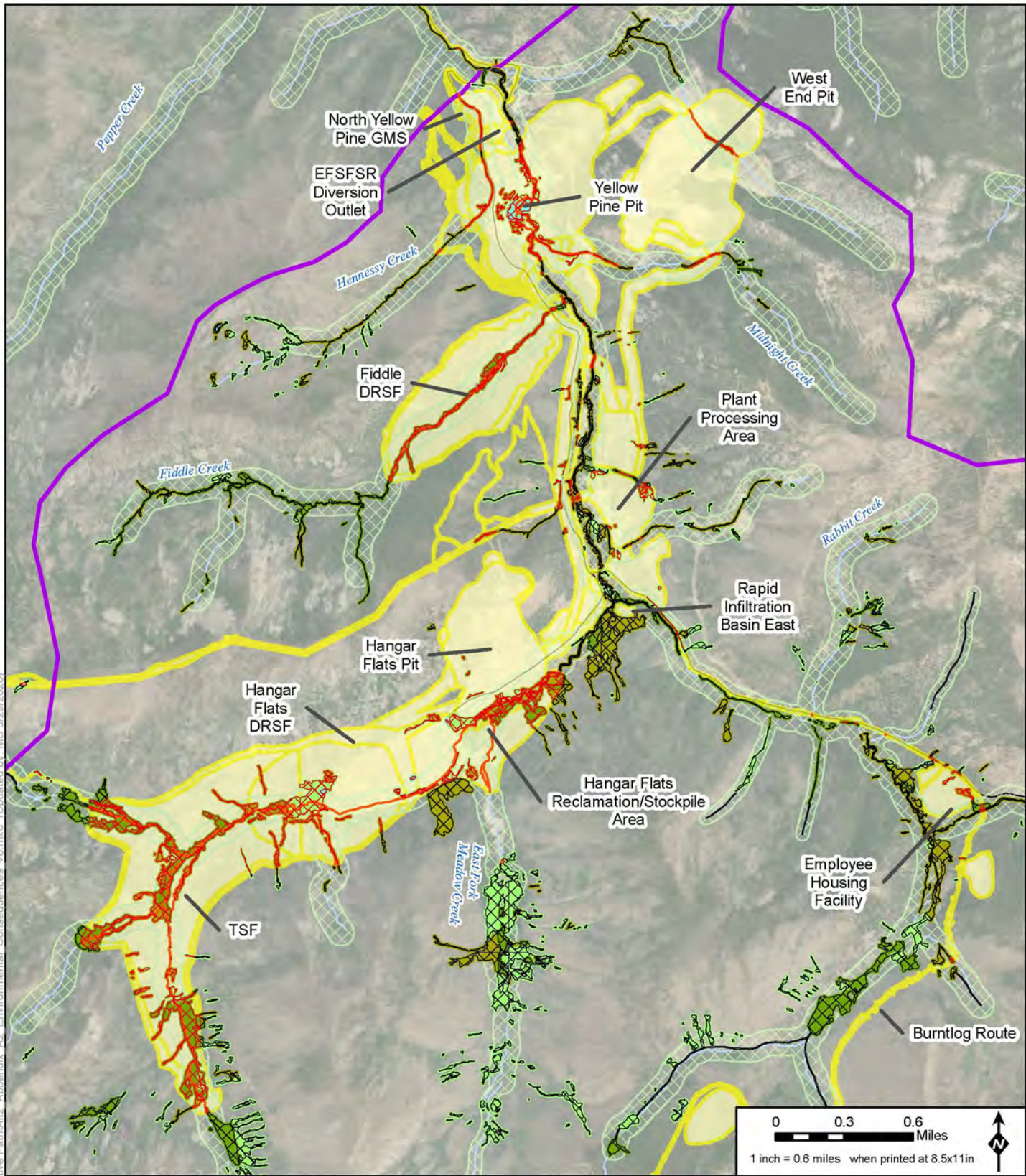
Appendix:
A2-Page 23
Map Date:
5/29/2020

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**Appendix I-3: Impacts to Wetlands and Riparian Resources in the
Analysis Area, Alternative 2**

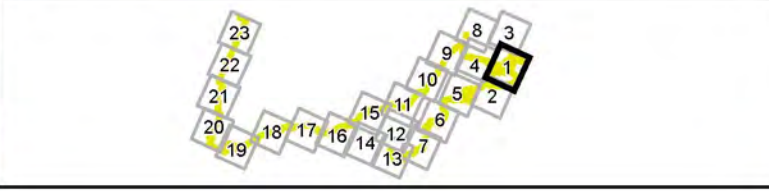
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Legend			
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Lake/Reservoir
Alternative 2 Project Disturbance Area	Wetland Type	Railroad	Highway
Impacted Wetland/Stream	Open Water	Road	Stream/River
Avoided Wetland	Emergent		
	Scrub-Shrub		

* Project Components are associated with Alternative 2
Note: Not all features are visible on this map page

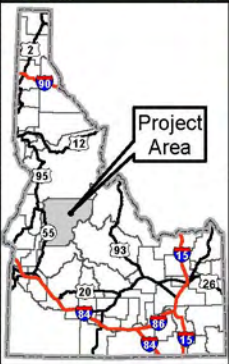
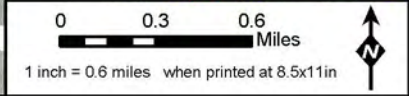
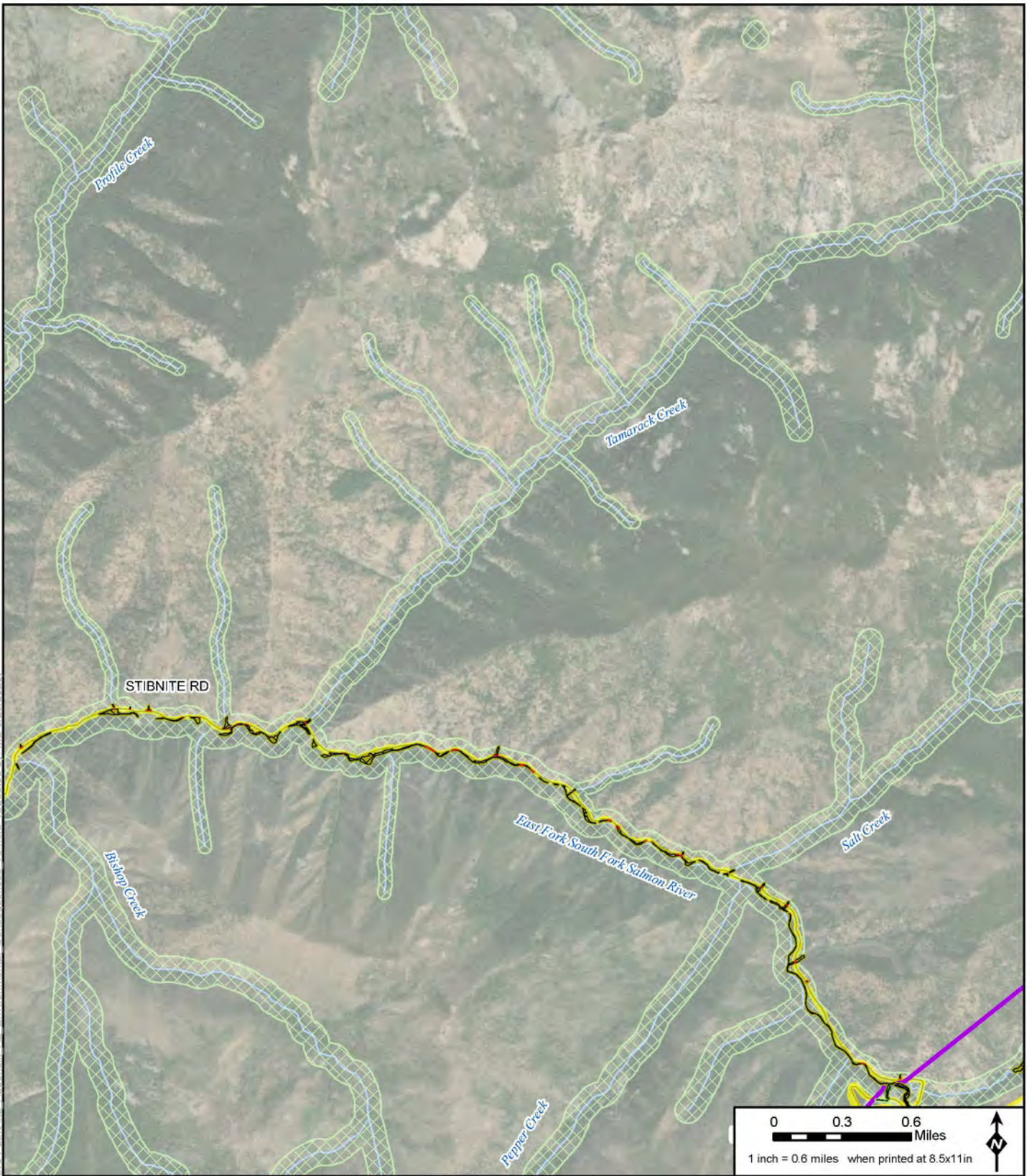


Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

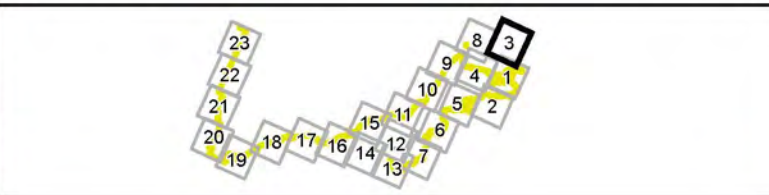
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Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
A2-Page 1
Map Date:
5/29/2020




Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Railroad
Avoided Wetland	Highway
Open Water	Road
Emergent	Stream/River
Scrub-Shrub	Lake/Reservoir



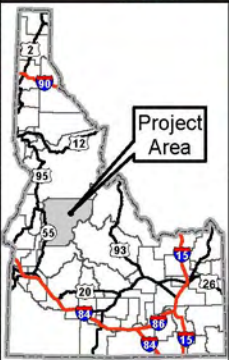
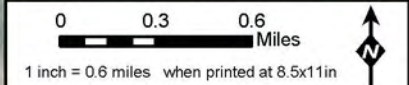
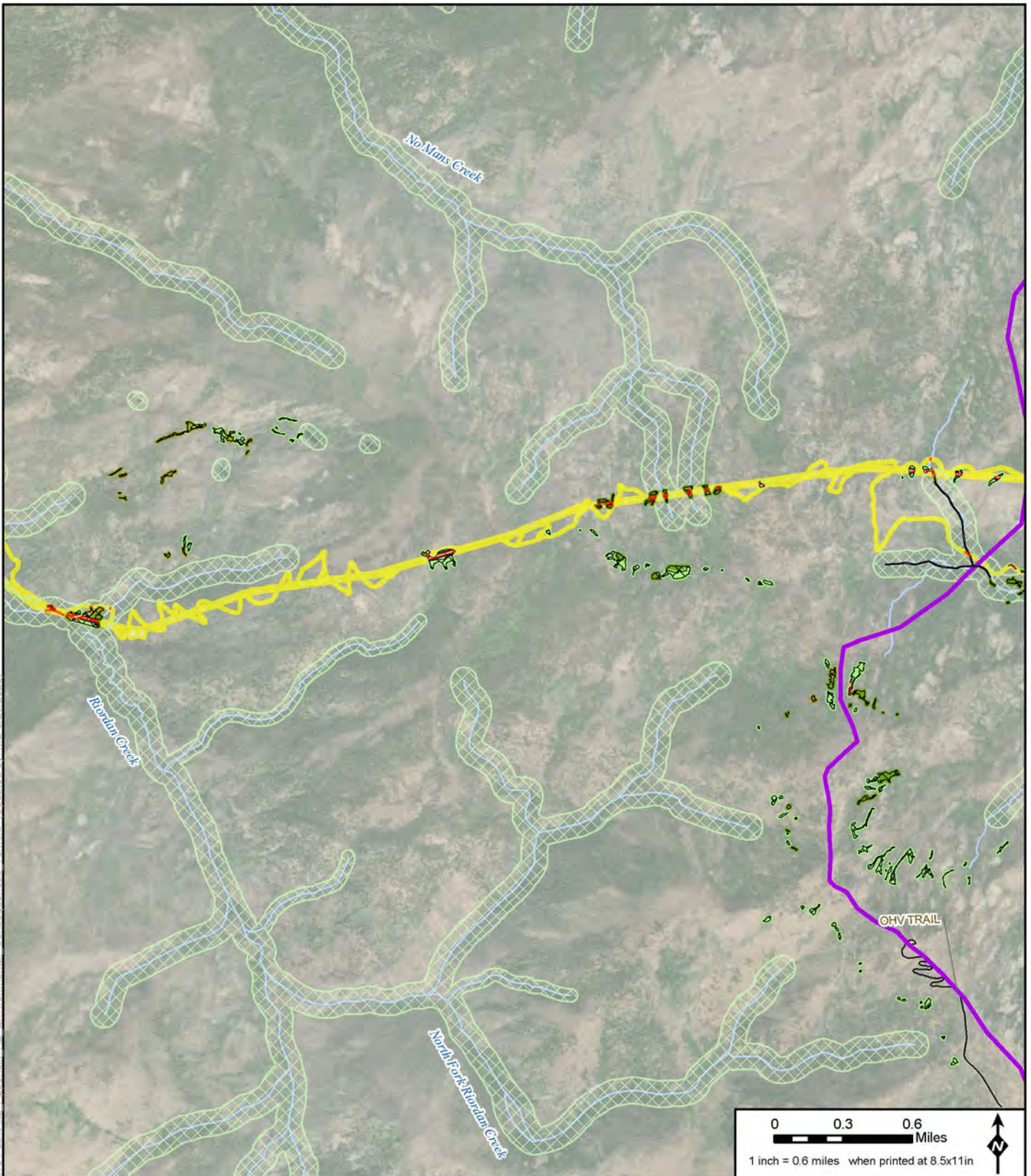
**Environmental Consequences
Alternative 2
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 2
Note: Not all features are visible on this map page

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
A2-Page 3
Map Date:
5/29/2020





- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 2 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

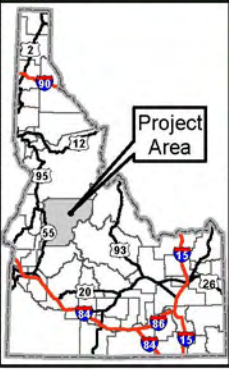
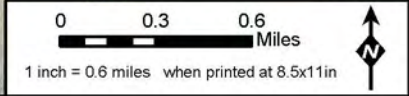
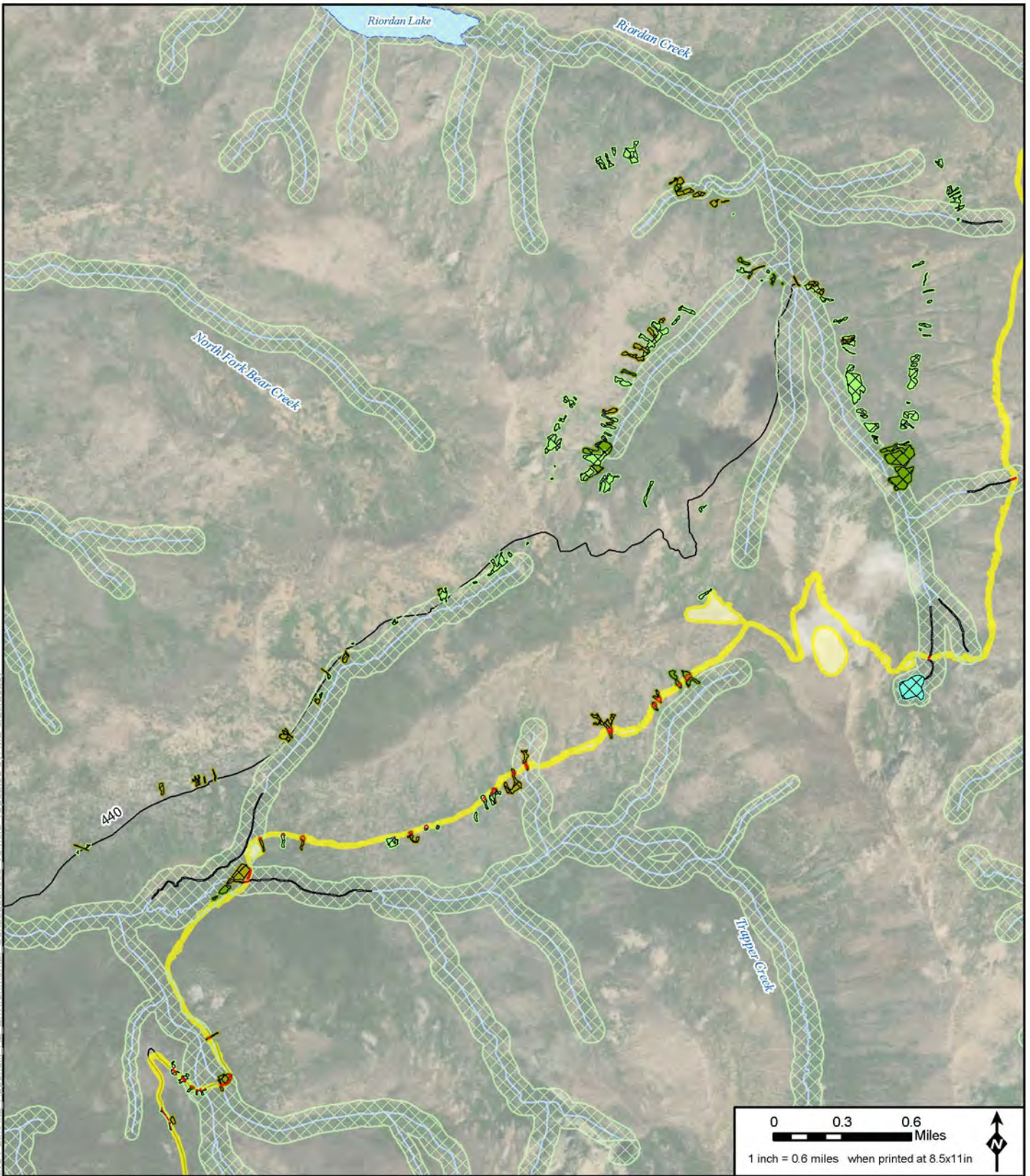


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 4
 Map Date:
 5/29/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Railroad
Avoided Wetland	Highway
	Road
	Stream/River
	Lake/Reservoir
Wetland Type	
Open Water	
Emergent	
Scrub-Shrub	

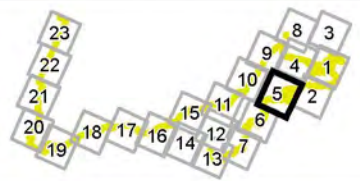
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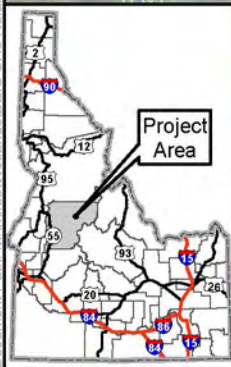
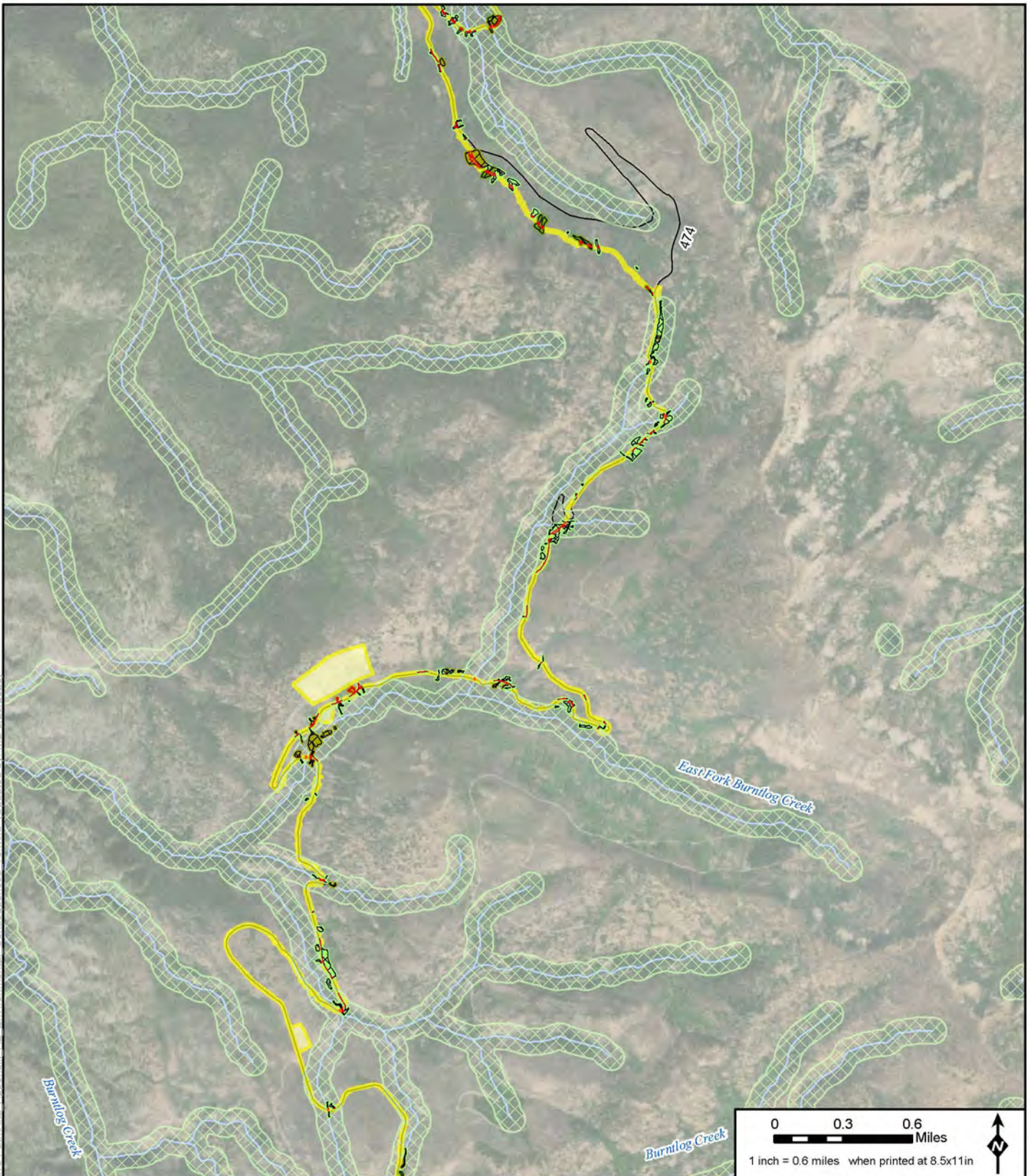
Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



Appendix:
 A2-Page 5
 Map Date:
 5/29/2020







Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Wetland Type
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
Forested	Scrub-Shrub
Railroad	Highway
Highway	Road
Lake/Reservoir	Stream/River

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

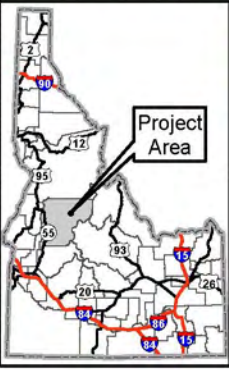
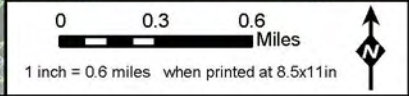
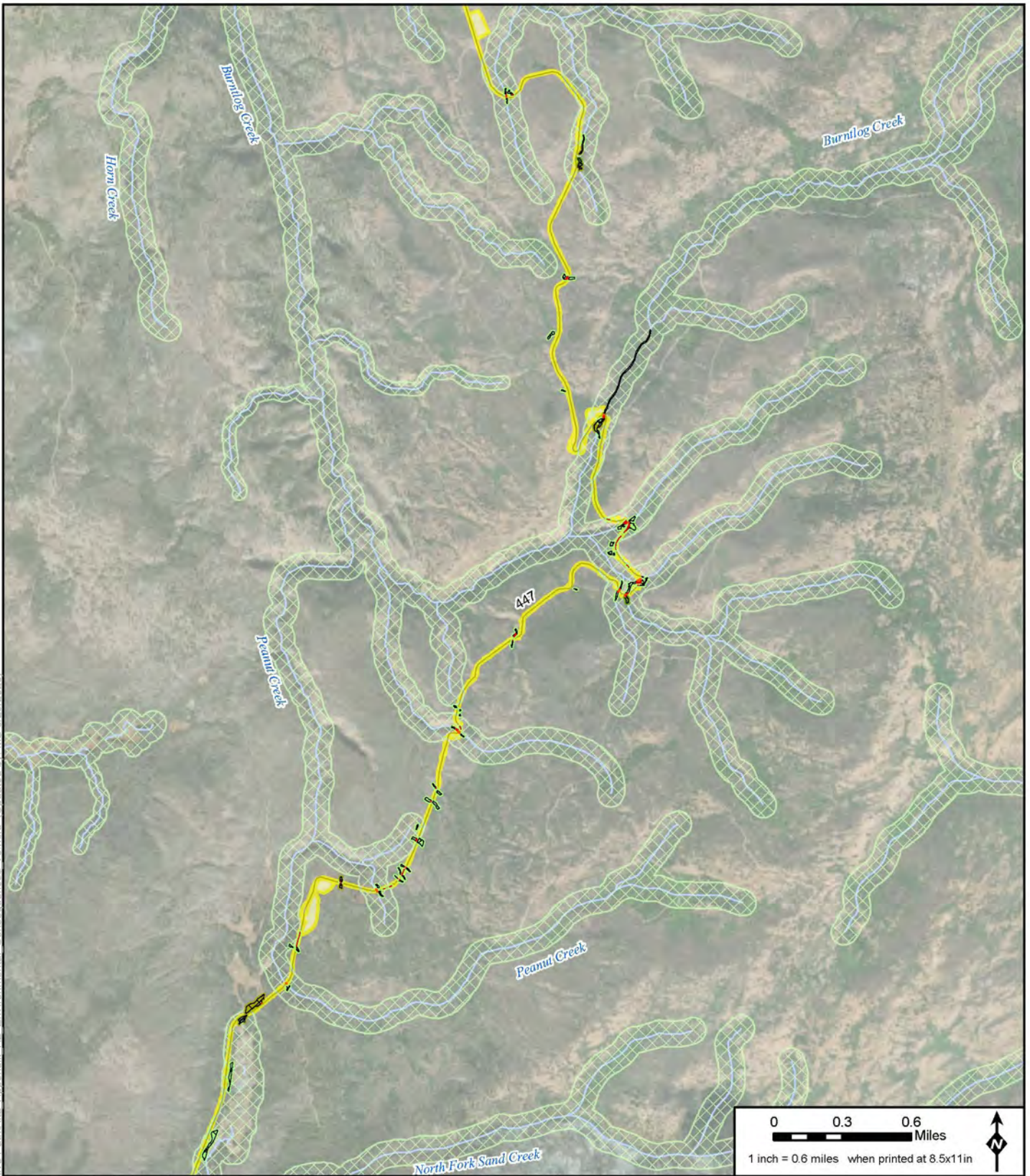


Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

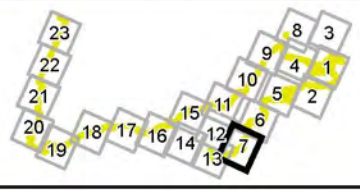
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 6
 Map Date:
 5/29/2020



- Legend**
- | | | | |
|--|----------------------------|--------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Lake/Reservoir |
| Alternative 2 Project Disturbance Area | Wetland Type | Railroad | |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Road | |
| | Scrub-Shrub | Stream/River | |
- * Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

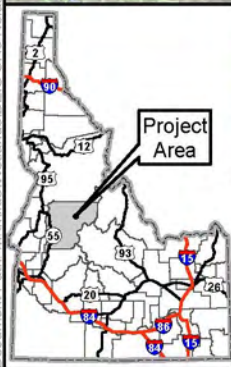
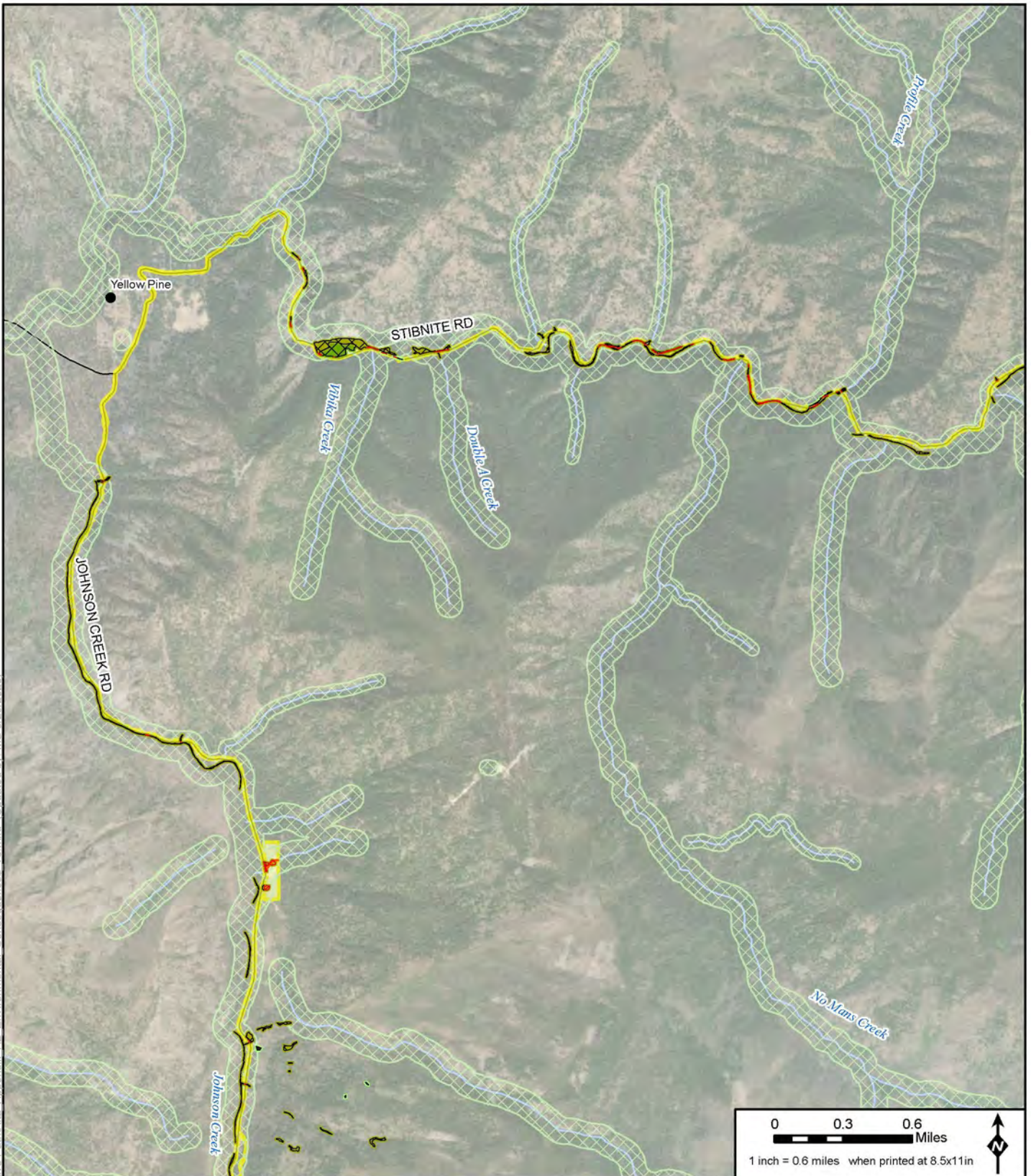


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
 A2-Page 7
 Map Date:
 5/29/2020



Legend

- | | | | |
|--|----------------------------|--------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Lake/Reservoir |
| Alternative 2 Project Disturbance Area | Wetland Type | Railroad | |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Road | |
| | Scrub-Shrub | Stream/River | |

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

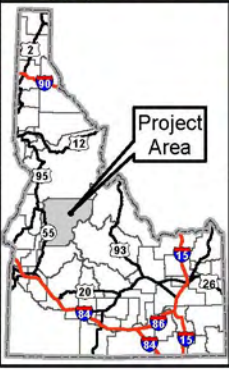
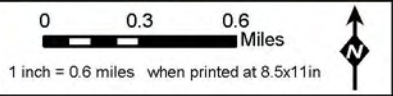
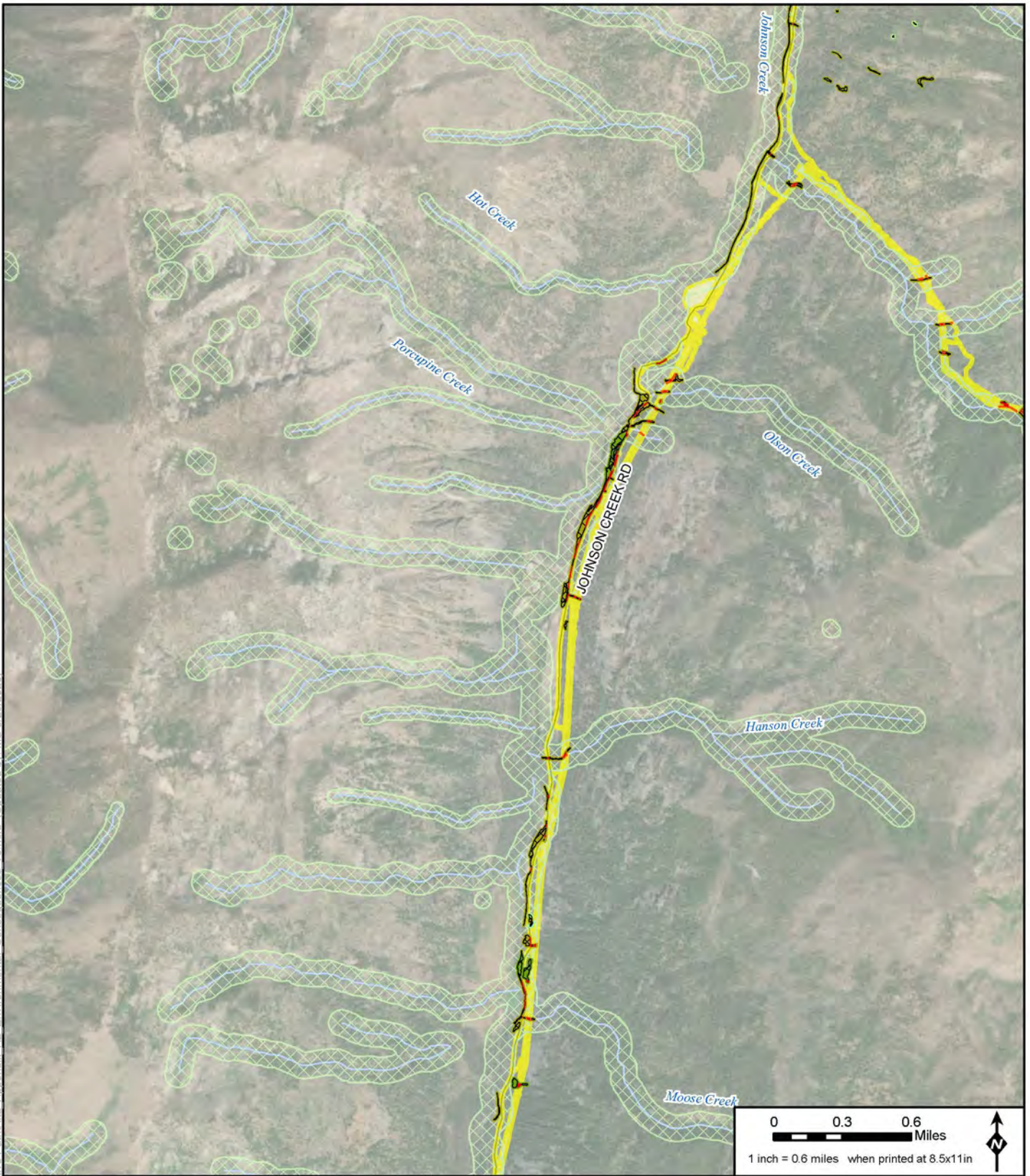


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

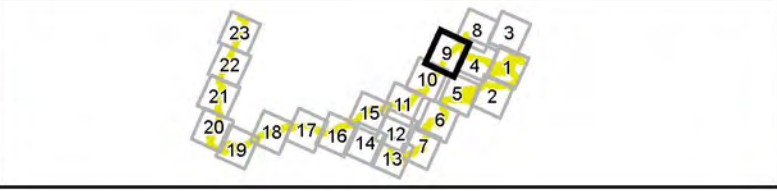


Appendix:
 A2-Page 8
 Map Date:
 5/29/2020




Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
	Scrub-Shrub
	Railroad
	Highway
	Road
	Stream/River
	Lake/Reservoir

* Project Components are associated with Alternative 2
Note: Not all features are visible on this map page



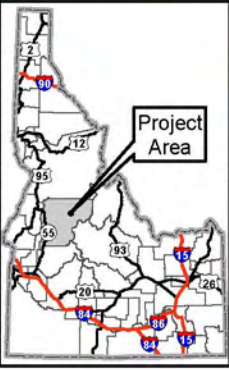
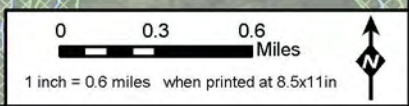
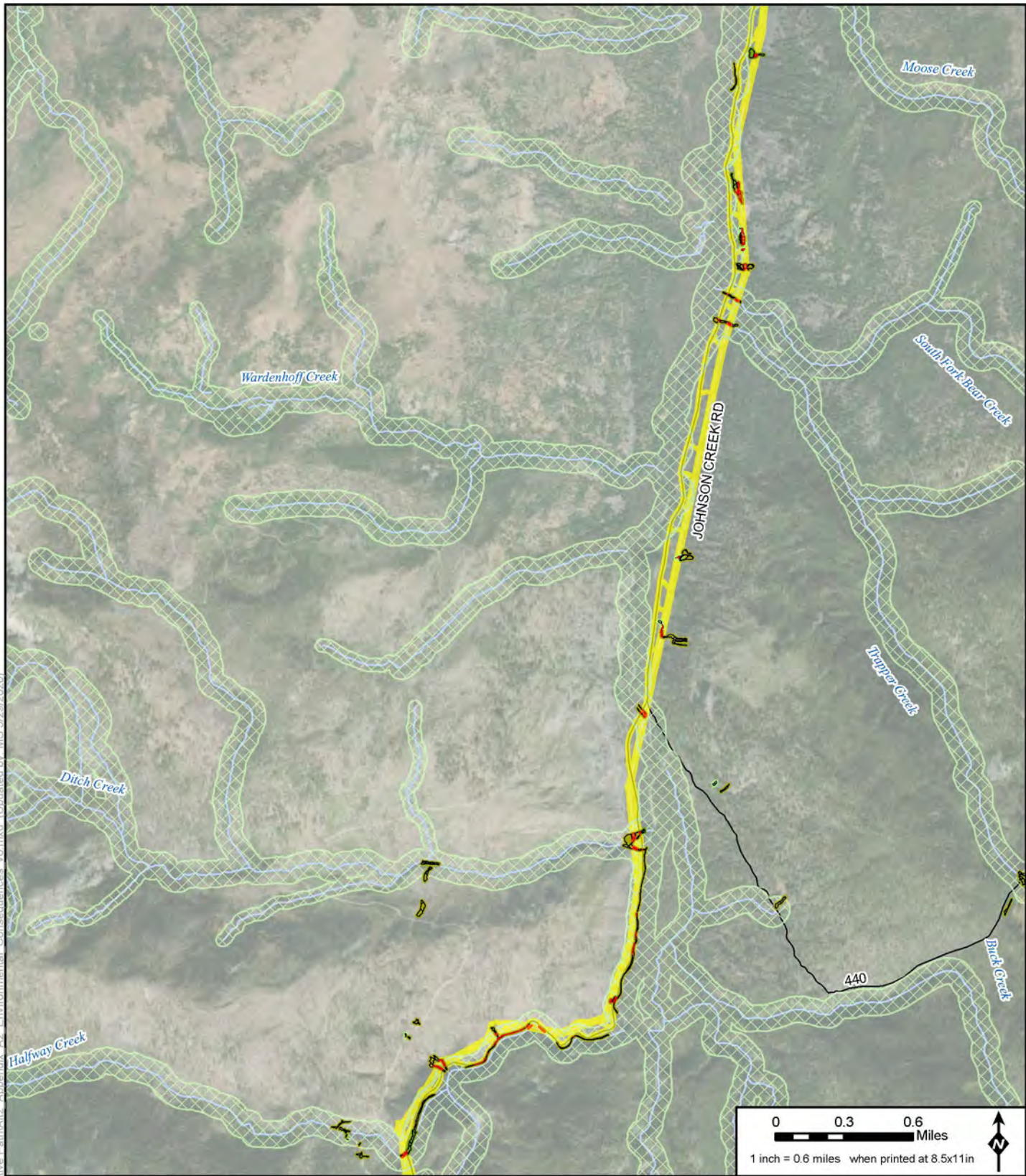
Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

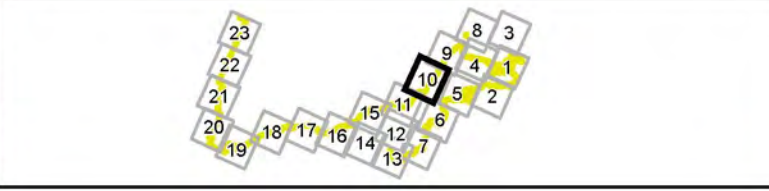



Appendix:
A2-Page 9
Map Date:
5/29/2020

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Legend	
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Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
	Scrub-Shrub
	Railroad
	Highway
	Road
	Stream/River
	Lake/Reservoir



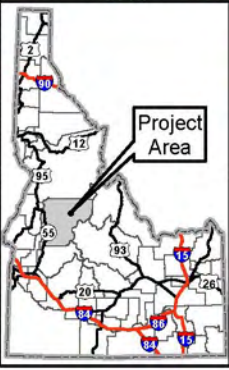
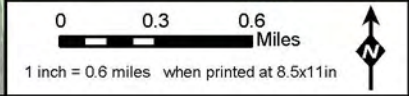
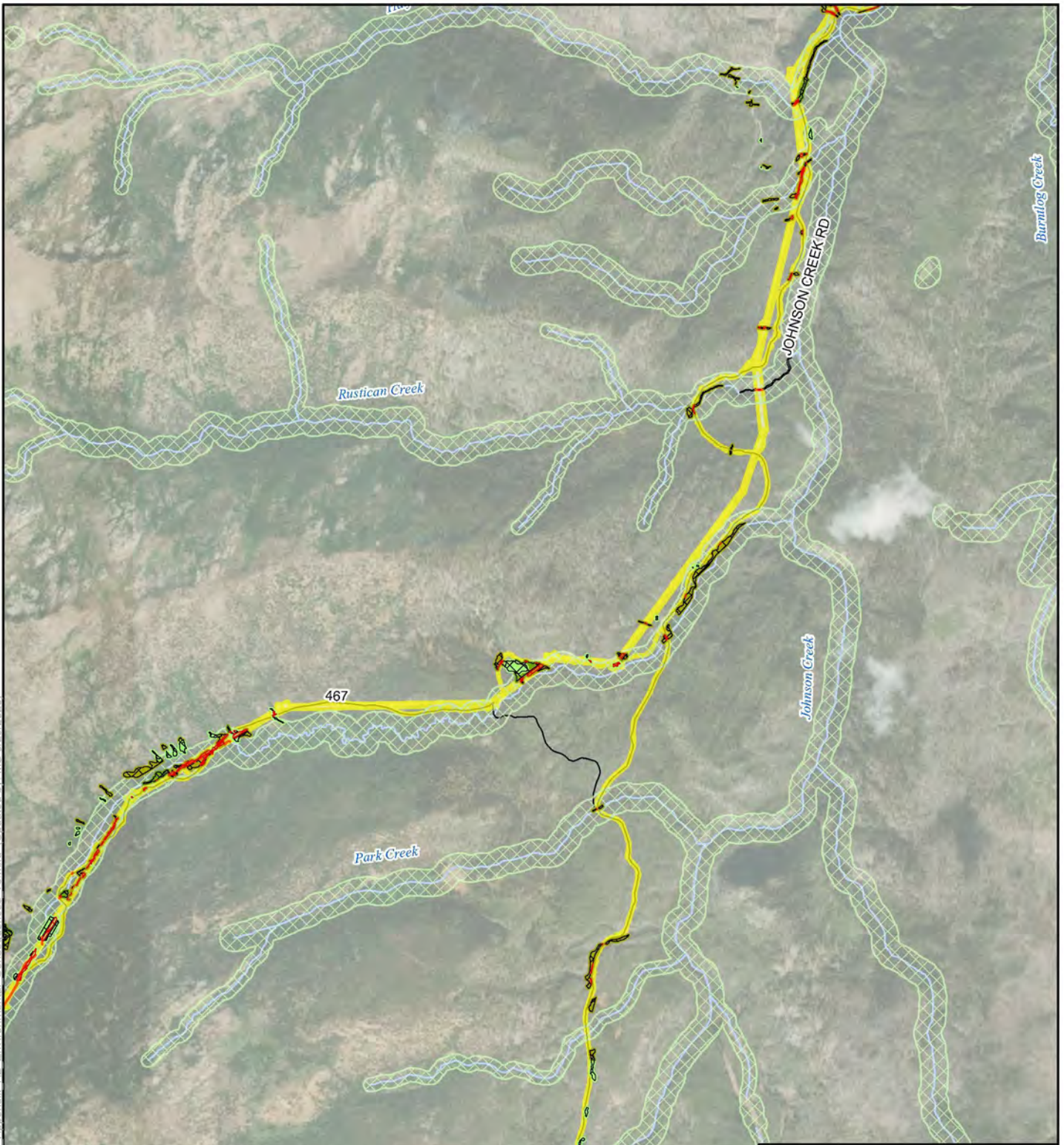
**Environmental Consequences
Alternative 2
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 2
Note: Not all features are visible on this map page

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
A2-Page 10
Map Date:
5/29/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Railroad
Avoided Wetland	Highway
	Road
	Stream/River
	Lake/Reservoir
Wetland Type	
Open Water	
Emergent	
Scrub-Shrub	

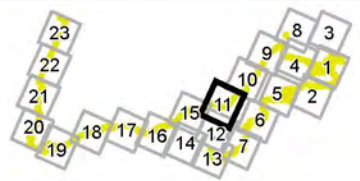
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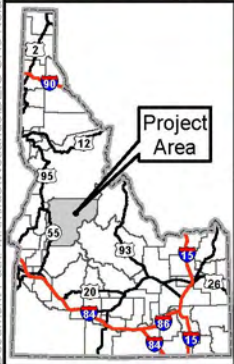
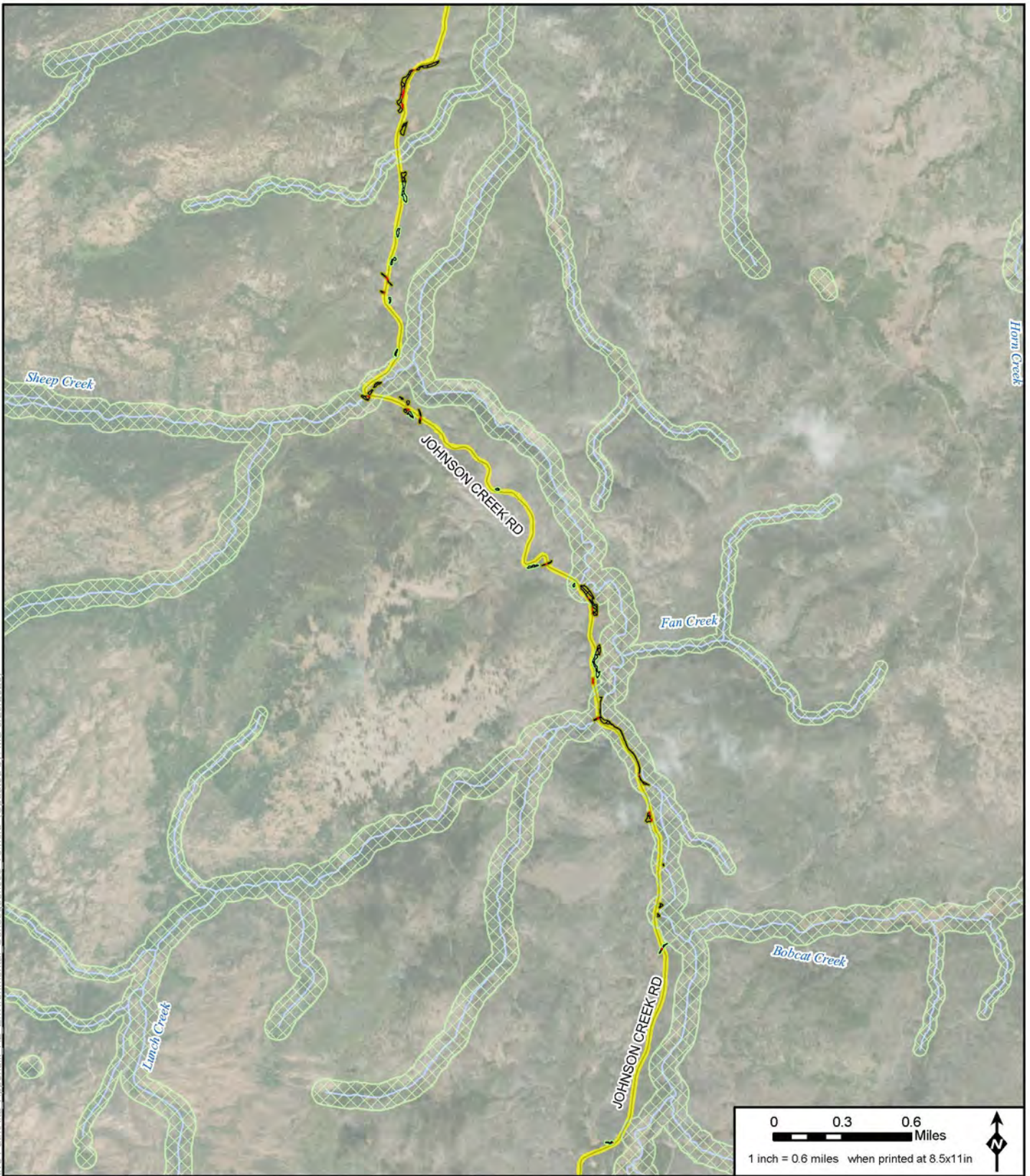
Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
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Appendix:
 A2-Page 11
 Map Date:
 5/29/2020

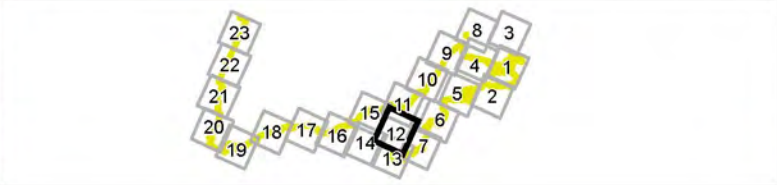




Legend



Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Lake/Reservoir
Alternative 2 Project Disturbance Area	Wetland Type	Railroad	
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub	Stream/River	

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

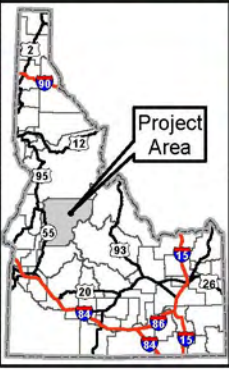
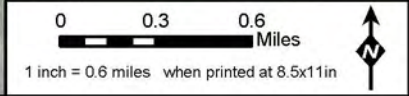
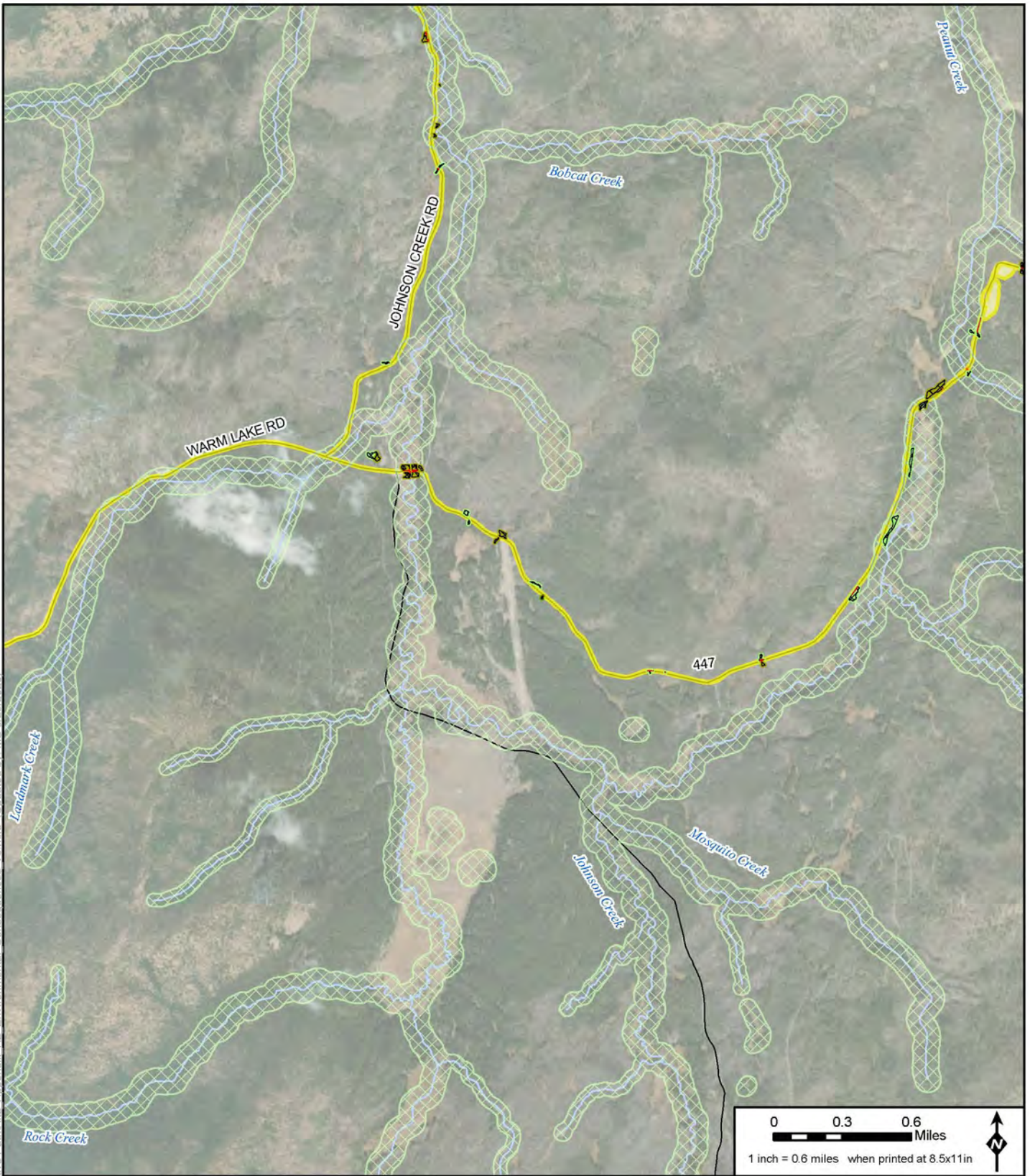


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

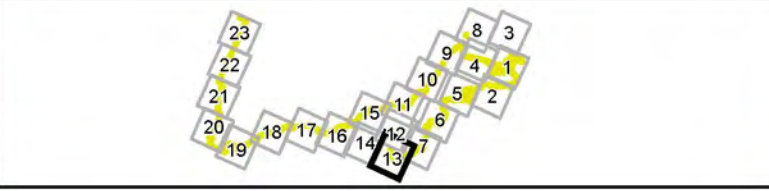



Appendix:
 A2-Page 12
 Map Date:
 5/29/2020



Legend	
	Wetland Analysis Area at Mine Site
	Alternative 2 Project Disturbance Area
	Impacted Wetland/Stream
	Avoided Wetland
	Riparian Conservation Area
	Open Water
	Emergent
	Scrub-Shrub
	Forested
	Railroad
	Highway
	Road
	Stream/River
	Lake/Reservoir

* Project Components are associated with Alternative 2
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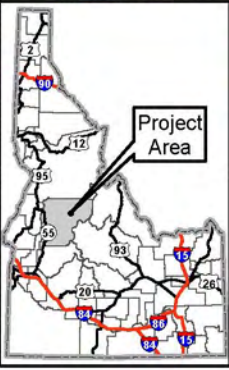
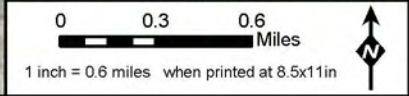
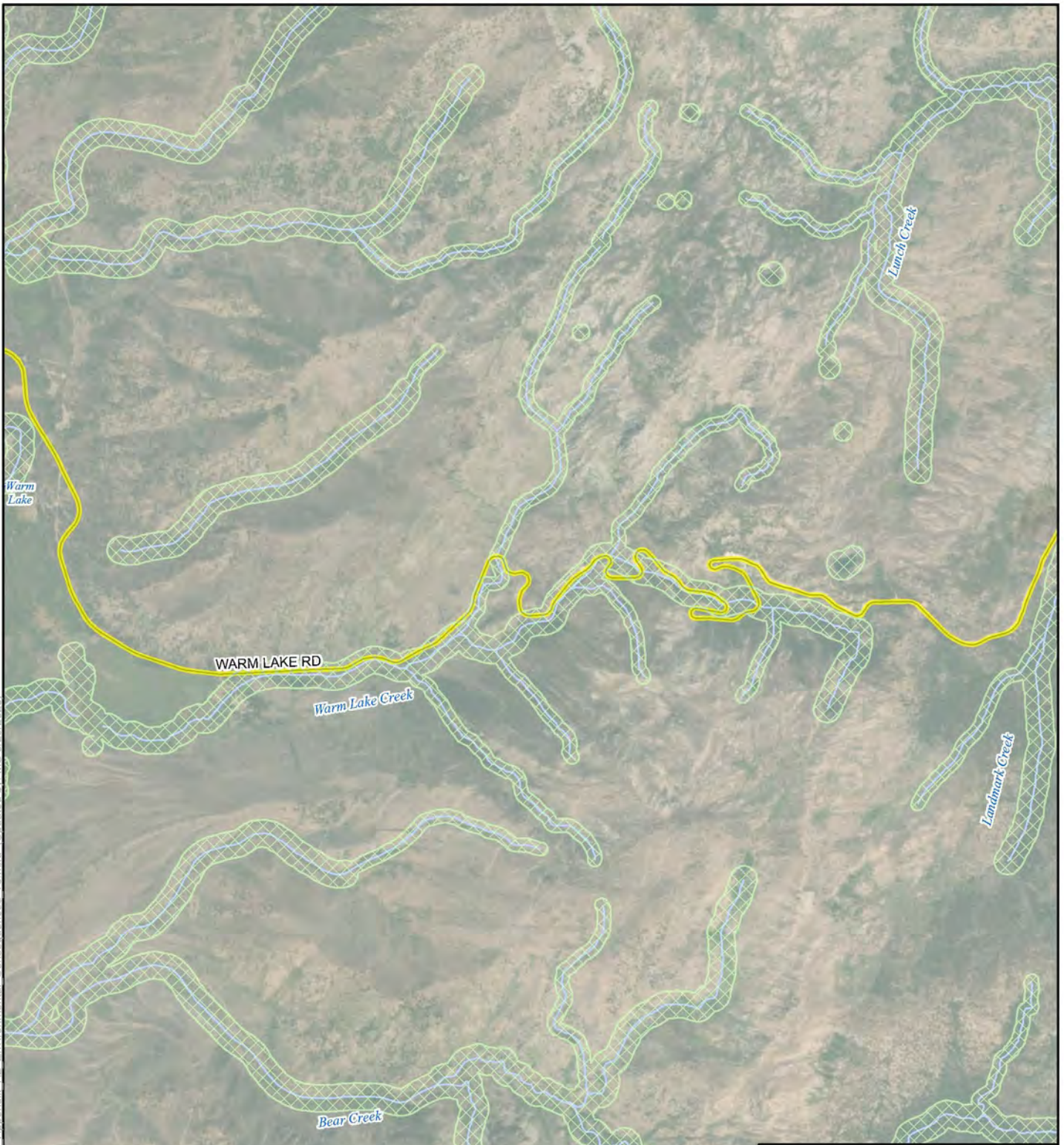
Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
 A2-Page 13
 Map Date:
 5/29/2020

Document Path: M:\mxd\Wetlands\DEIS CH3 Relative Path\A12 Appendix A2 Environmental Consequences_v6.mxd (Updated by: MS 5/29/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Railroad
Avoided Wetland	Highway
	Road
	Stream/River
	Lake/Reservoir
Wetland Type	
Open Water	
Emergent	
Scrub-Shrub	

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

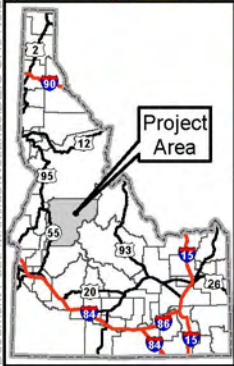
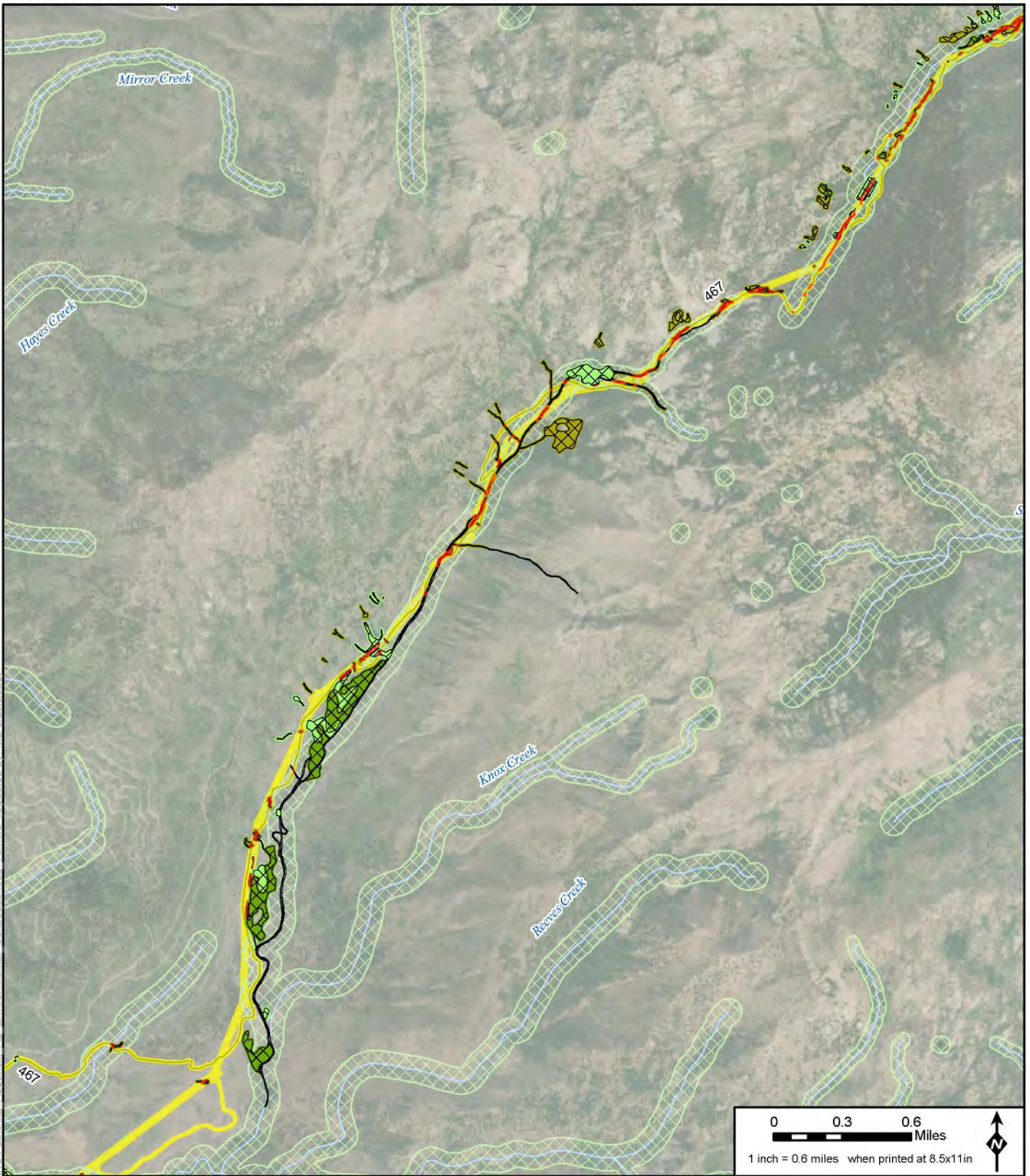


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



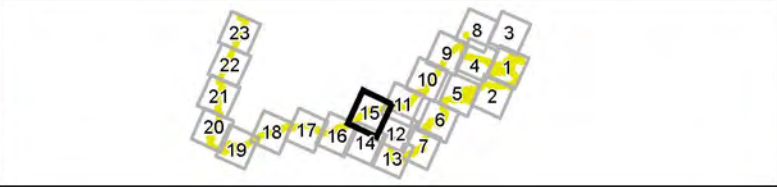

Appendix:
 A2-Page 14
 Map Date:
 5/29/2020



Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Lake/Reservoir
Alternative 2 Project Disturbance Area	Wetland Type	Railroad	
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub	Stream/River	

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page



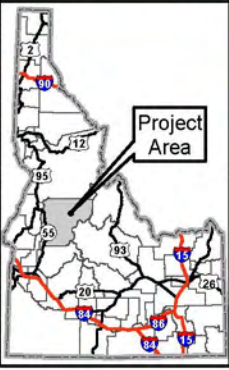
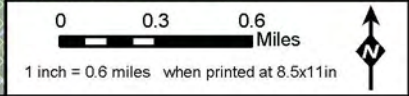
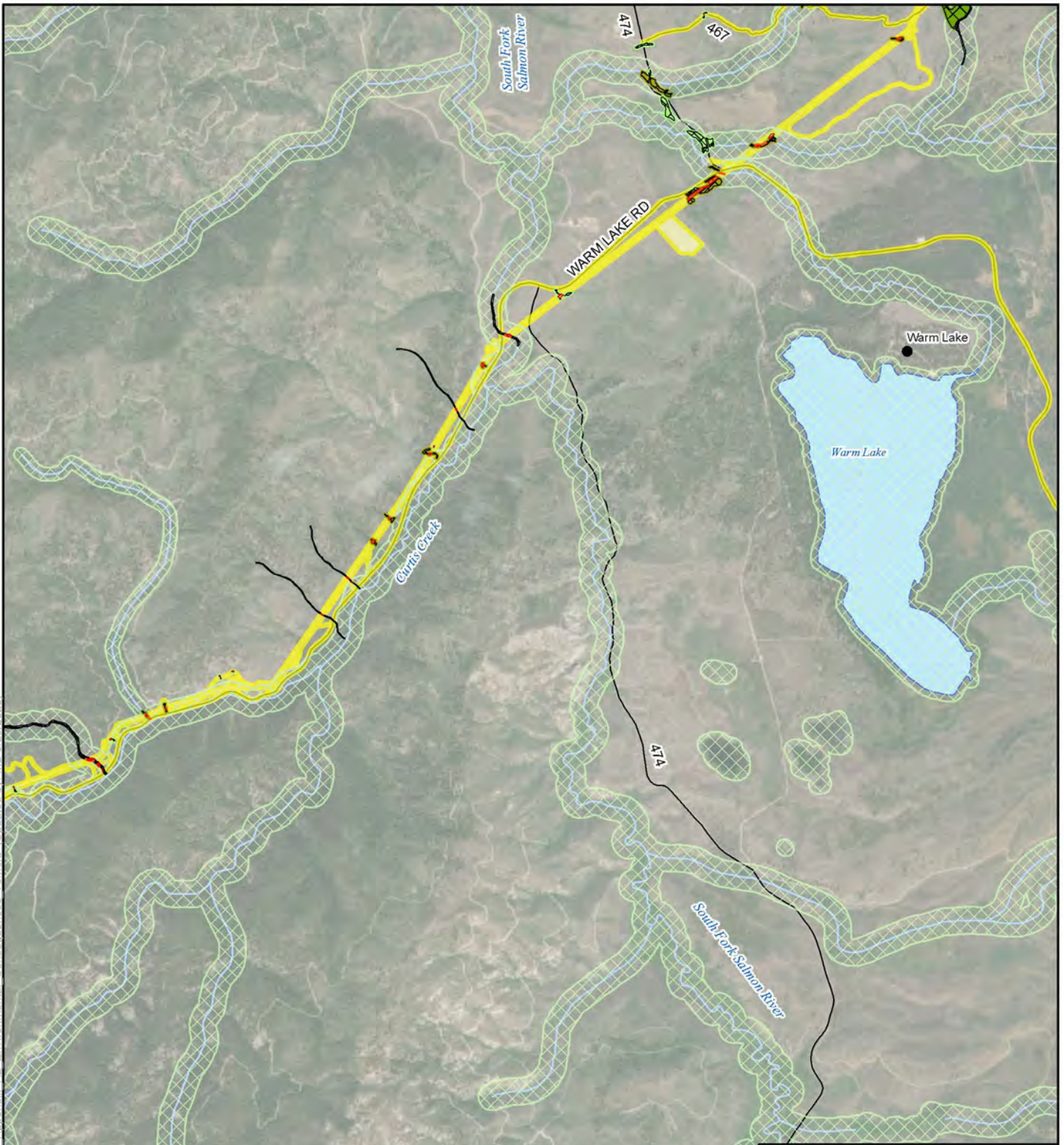
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**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

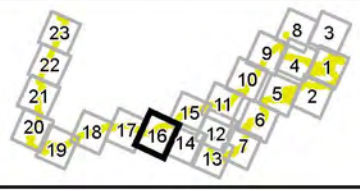



Appendix:
 A2-Page 15
 Map Date:
 5/29/2020




Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Forested
Impacted Wetland/Stream	Railroad
Avoided Wetland	Highway
	Road
	Stream/River
	Lake/Reservoir
Wetland Type	
Open Water	
Emergent	
Scrub-Shrub	

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

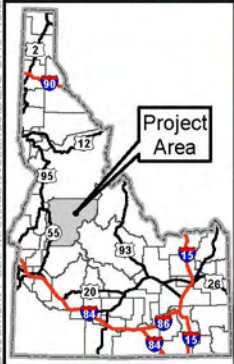
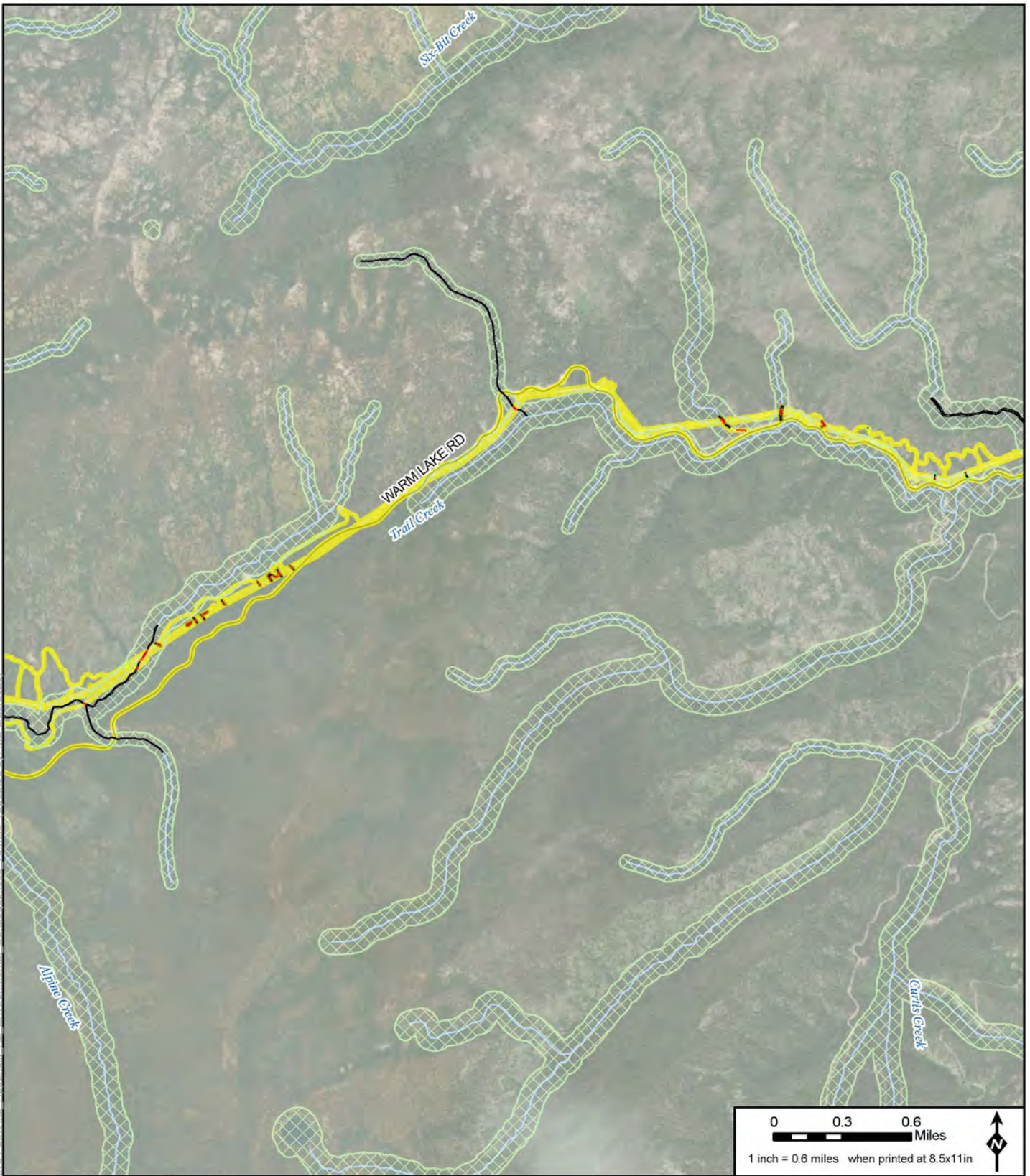


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
 A2-Page 16
 Map Date:
 5/29/2020



Legend

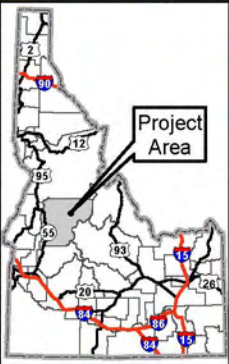
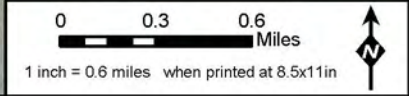
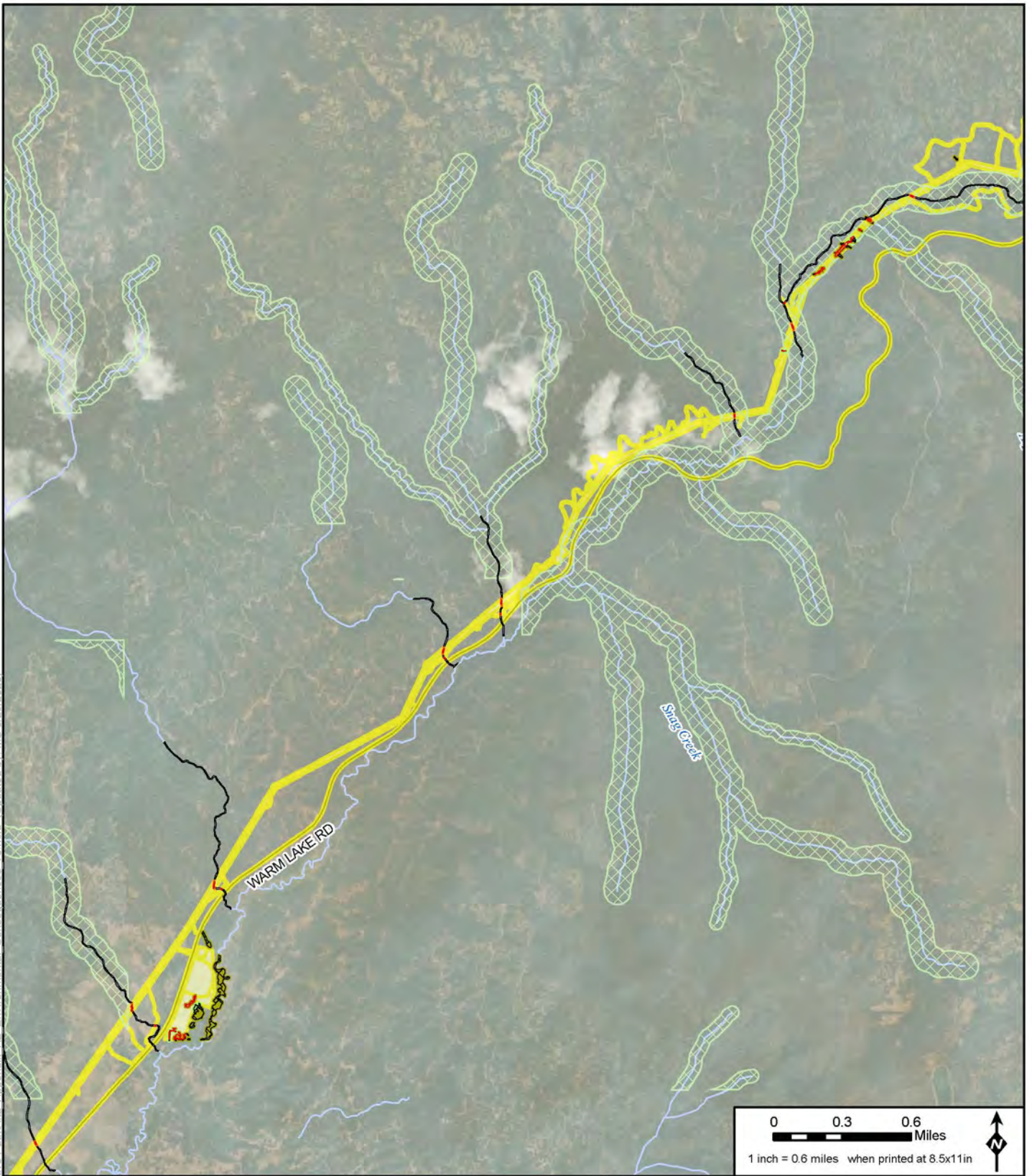
Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Lake/Reservoir
Alternative 2 Project Disturbance Area	Wetland Type	Railroad	
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub	Stream/River	

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

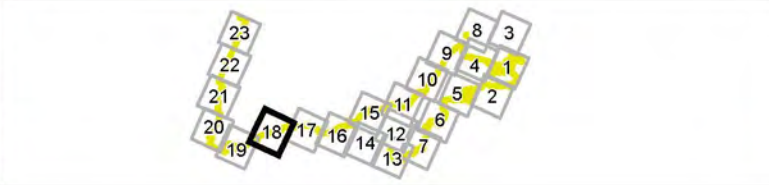
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 17
 Map Date:
 5/29/2020





- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 2 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page



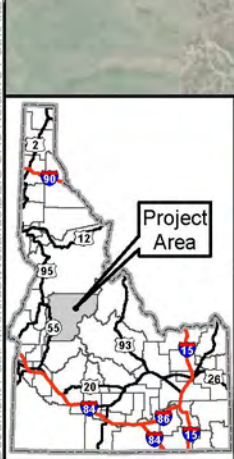
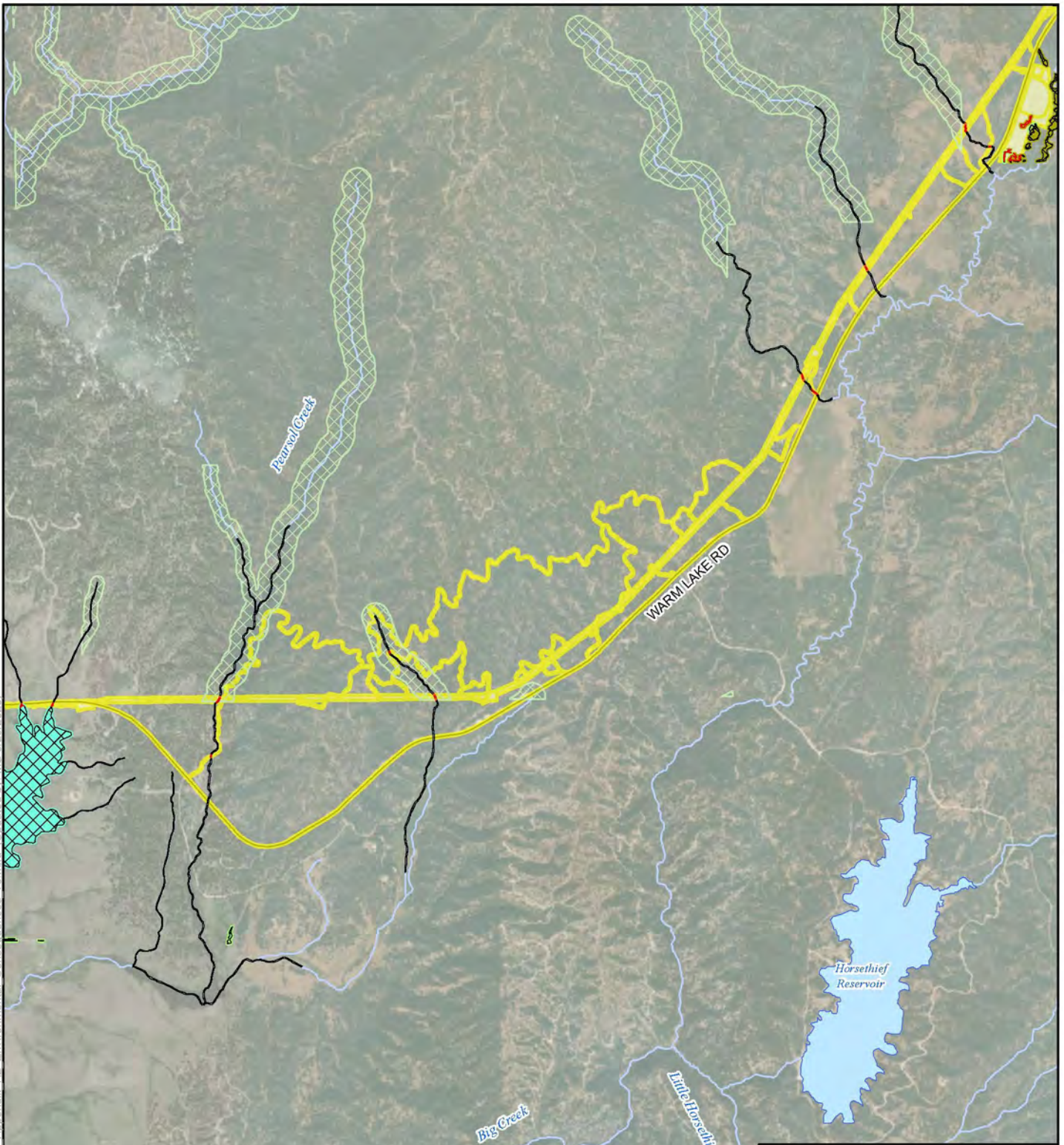
**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 18
 Map Date:
 5/29/2020

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Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Lake/Reservoir
Alternative 2 Project Disturbance Area	Wetland Type	Railroad	
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub	Stream/River	

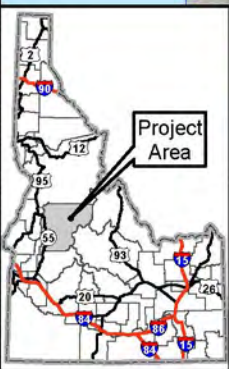
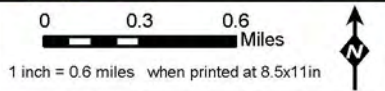
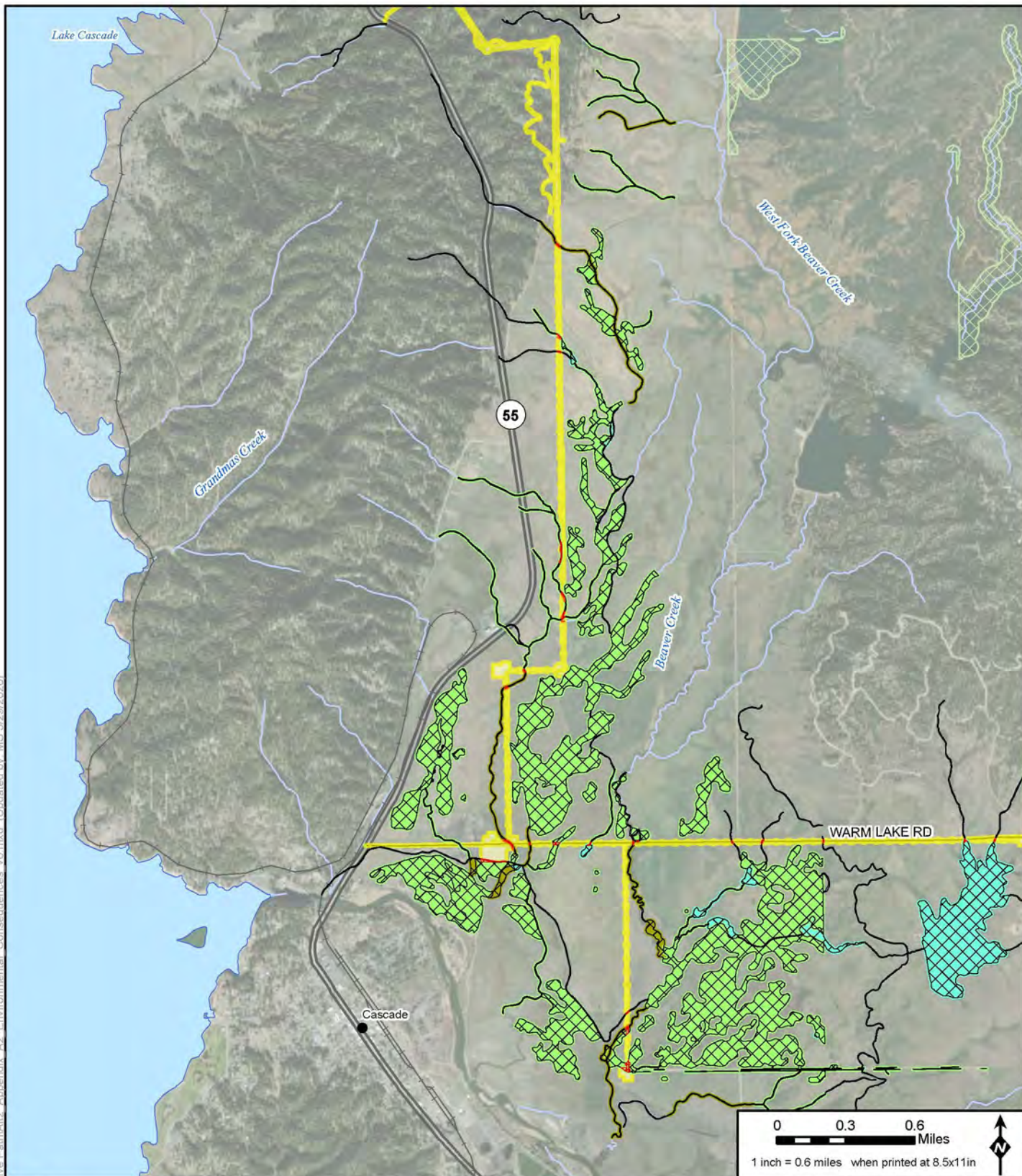
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**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

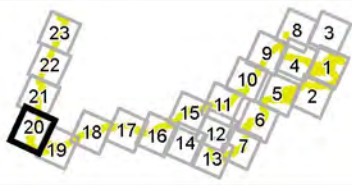
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 19
 Map Date:
 5/29/2020





- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 2 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Road
 - Stream/River
 - Lake/Reservoir
- * Project Components are associated with Alternative 2
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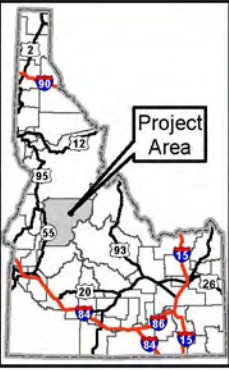
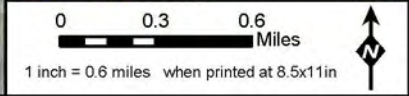
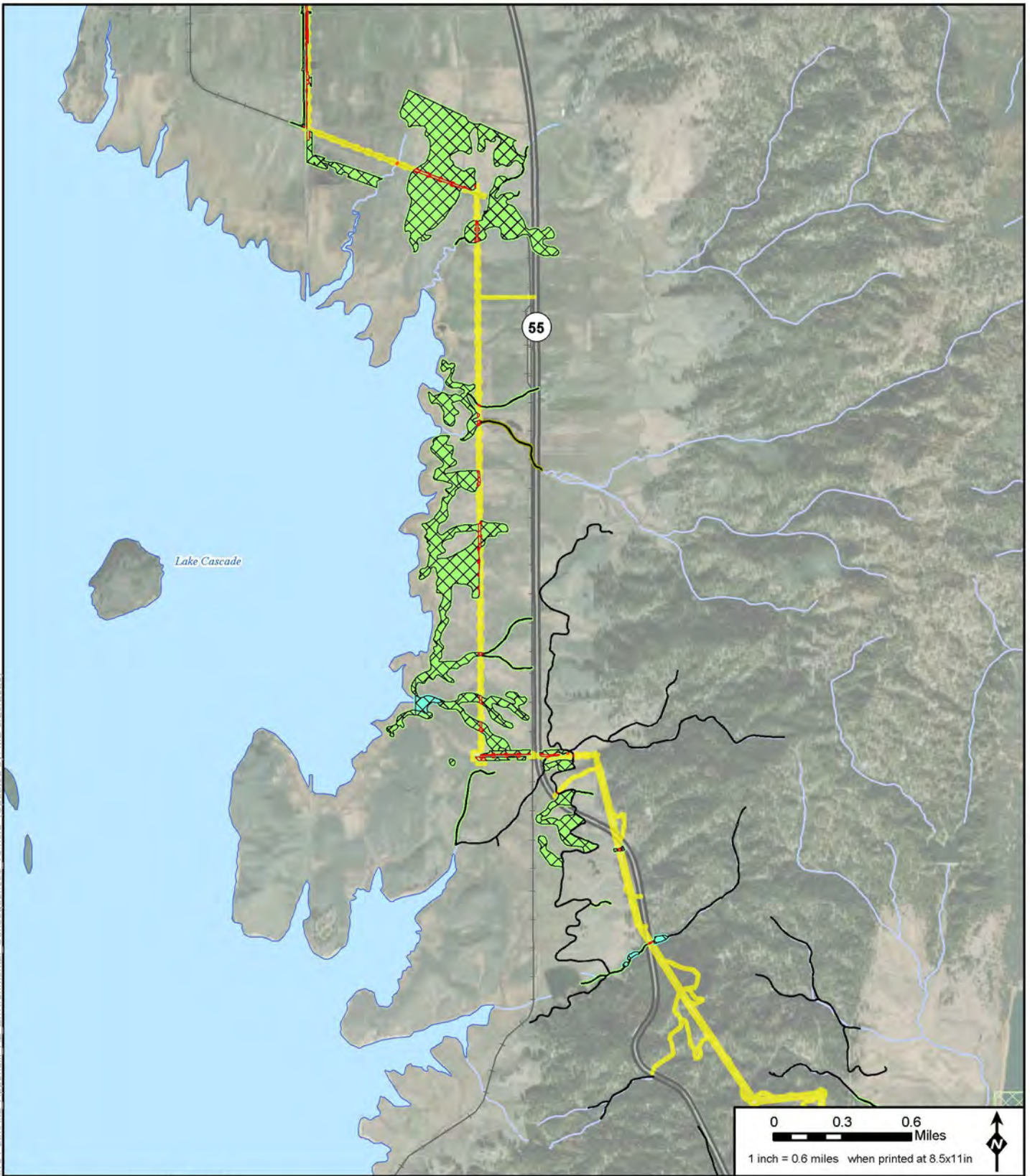


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
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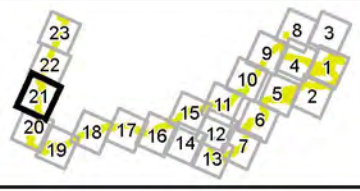
Appendix:
 A2-Page 20
 Map Date:
 5/29/2020



Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Lake/Reservoir
Alternative 2 Project Disturbance Area	Wetland Type	Railroad	
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Road	
	Scrub-Shrub	Stream/River	

* Project Components are associated with Alternative 2
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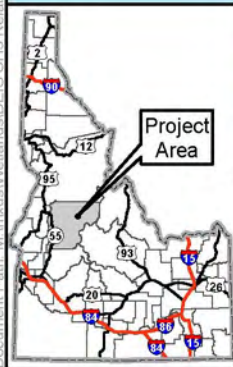
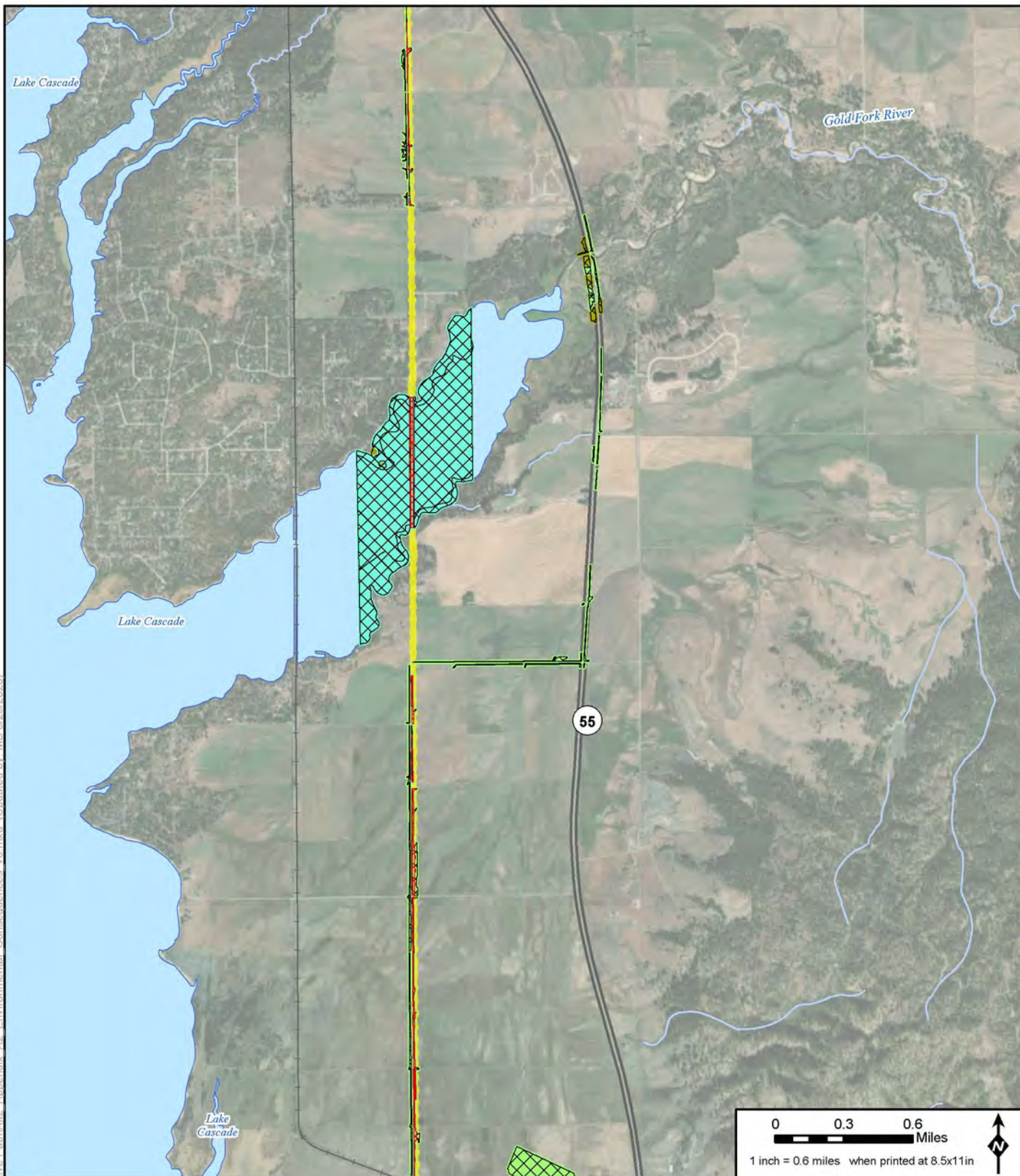


**Environmental Consequences
 Alternative 2
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

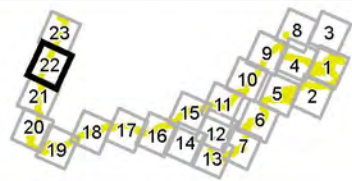



Appendix:
 A2-Page 21
 Map Date:
 5/29/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Wetland Type
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
Forested	Scrub-Shrub
Railroad	Lake/Reservoir
Highway	Road
Stream/River	

* Project Components are associated with Alternative 2
 Note: Not all features are visible on this map page

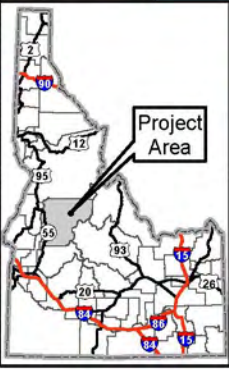
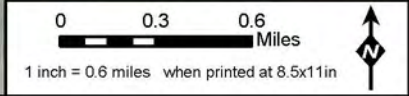
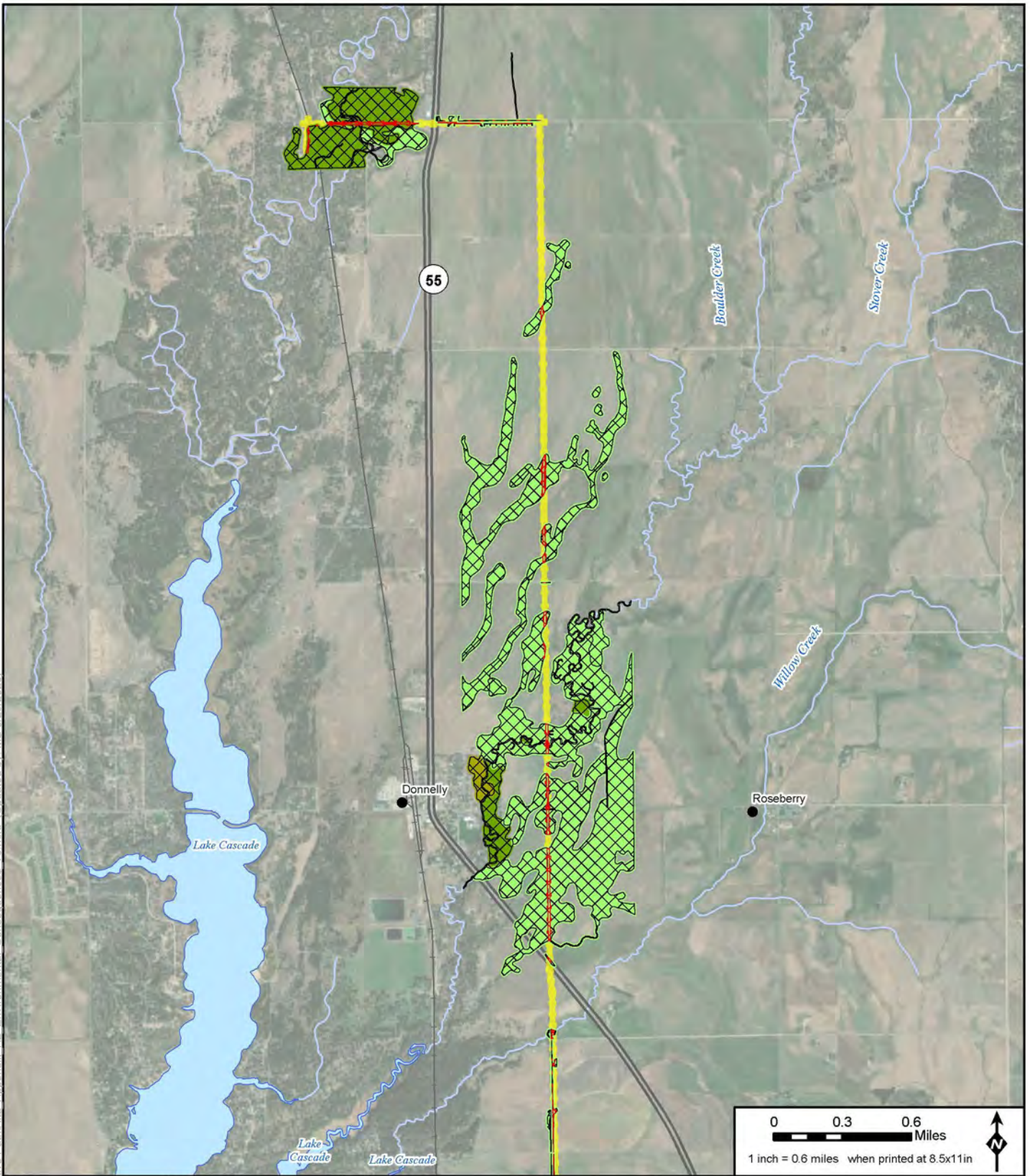


Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
 A2-Page 22
 Map Date:
 5/29/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 2 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Railroad
Lake/Reservoir	Highway
Road	Stream/River

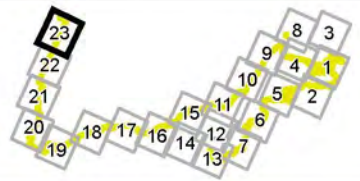
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Environmental Consequences Alternative 2 Stibnite Gold Project Stibnite, ID

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Appendix:
 A2-Page 23
 Map Date:
 5/29/2020

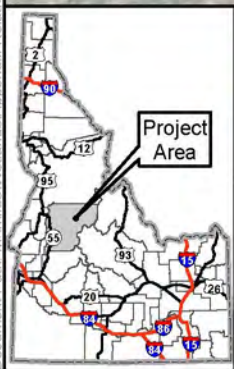
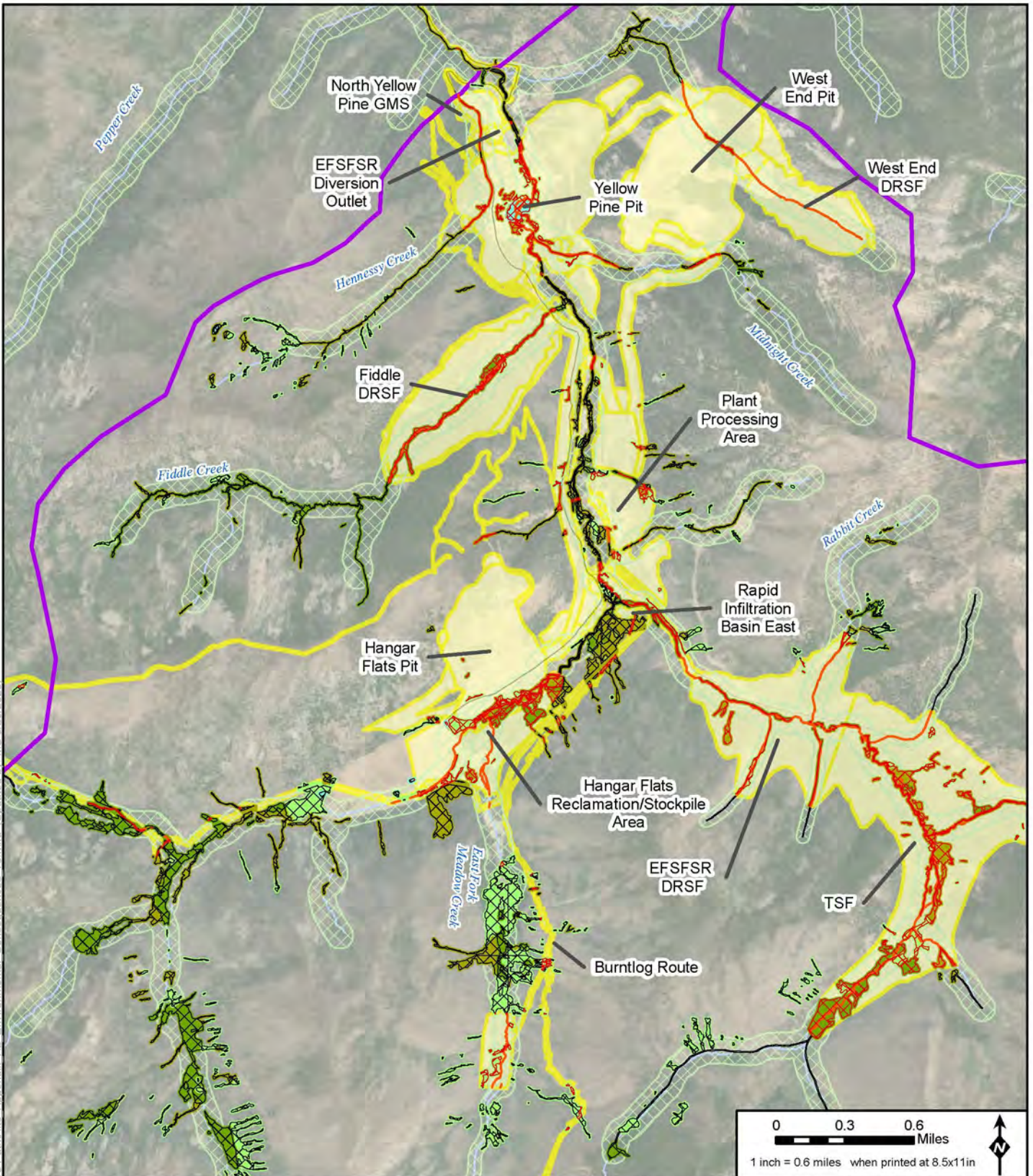


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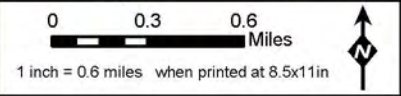
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Analysis Area, Alternative 3**

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Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road



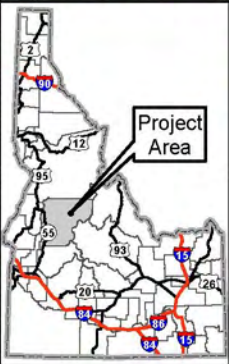
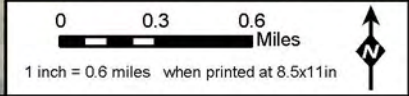
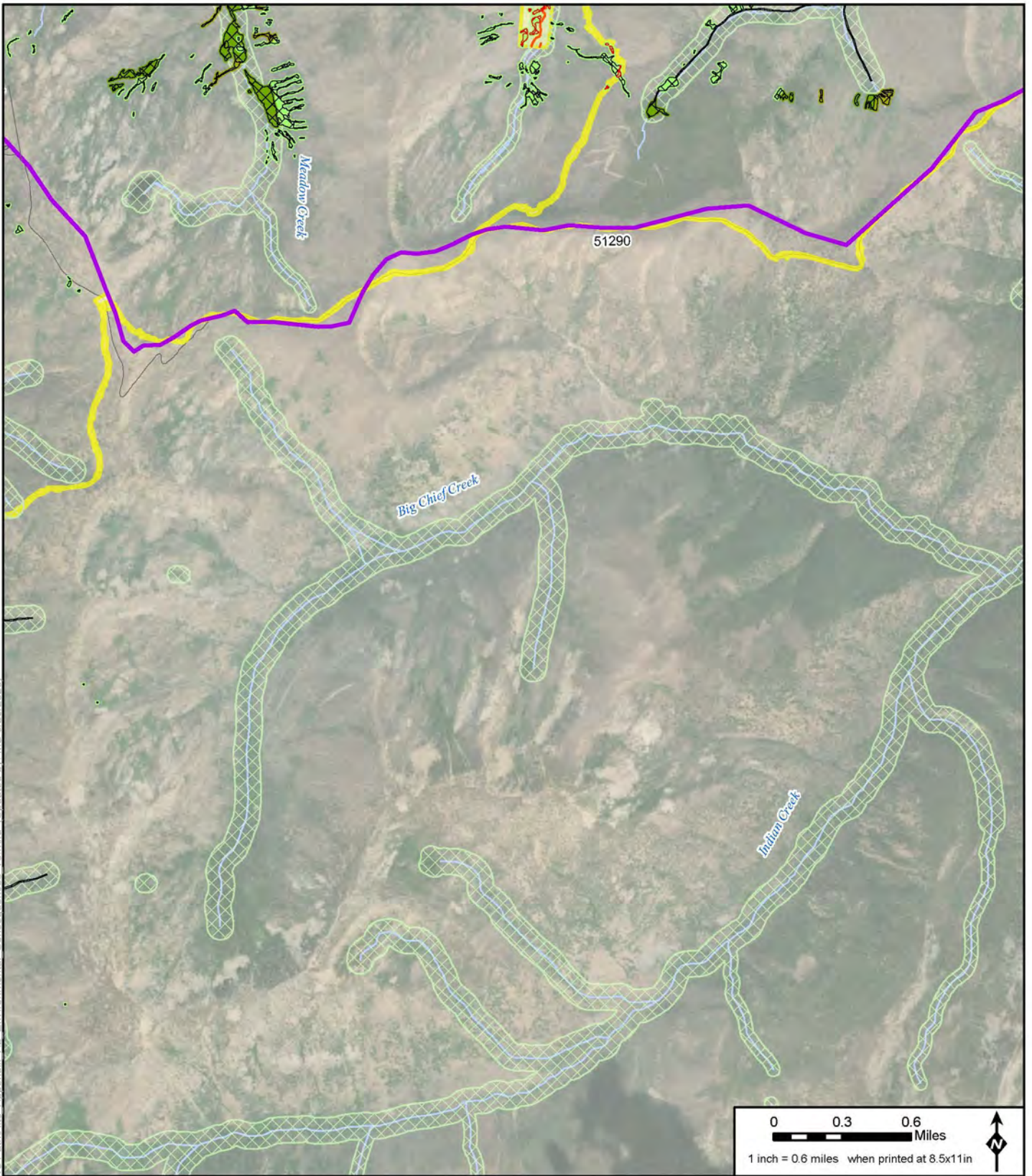
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Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

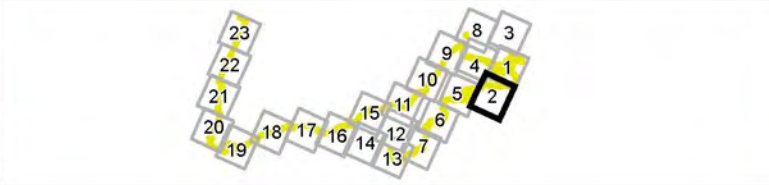
* Project Components are associated with Alternative 3
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Appendix:
A2-Page 1
Map Date:
5/28/2020





Legend	
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Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

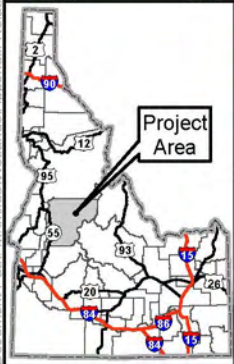


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

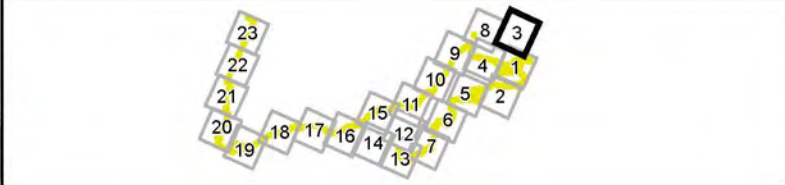
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Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
A2-Page 2
Map Date:
5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Railroad
Highway	Stream/River
Access Road	Lake/Reservoir
Road	



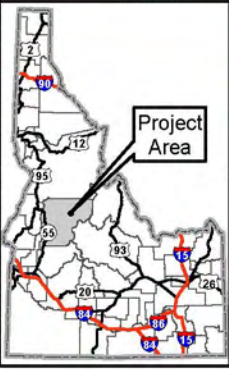
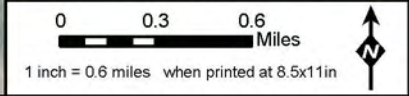
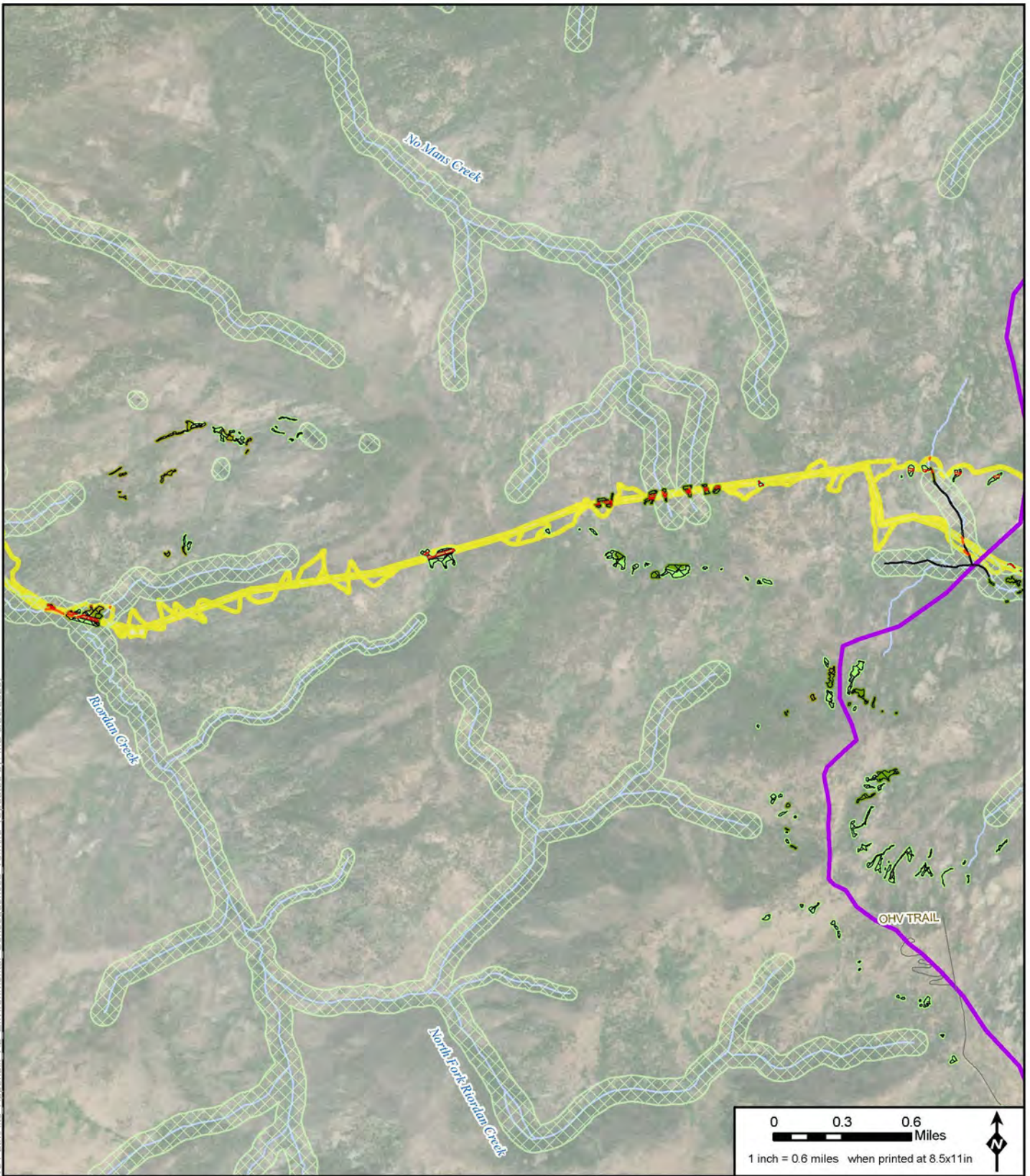
**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

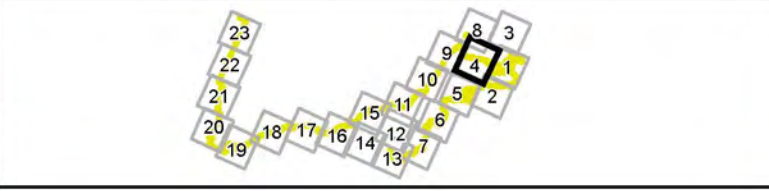



Appendix:
A2-Page 3
Map Date:
5/28/2020

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- Legend**
- | | | | |
|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 3 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |
- * Project Components are associated with Alternative 3
Note: Not all features are visible on this map page

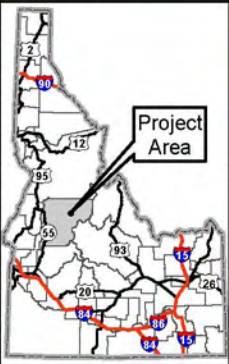
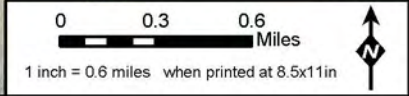
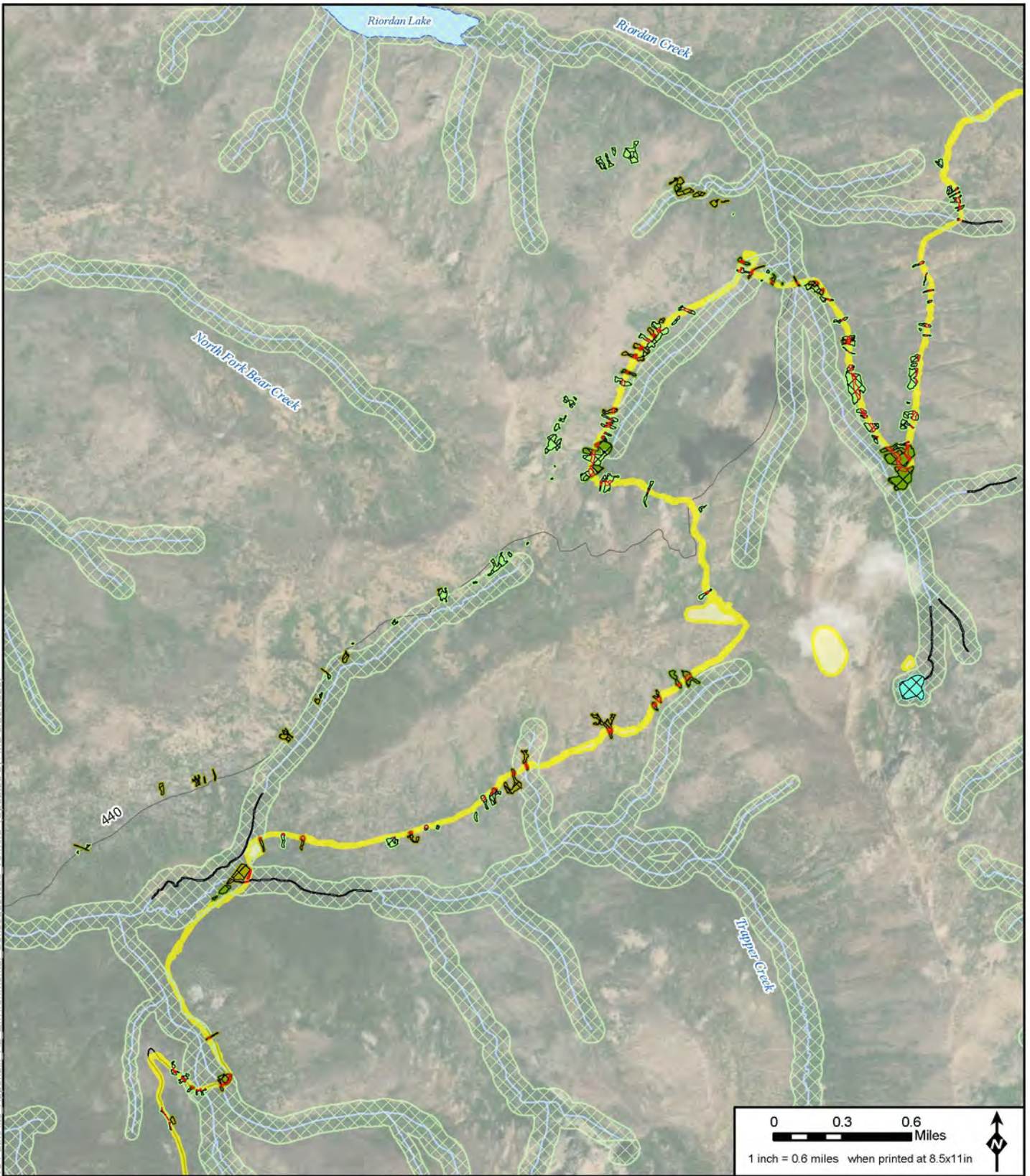


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

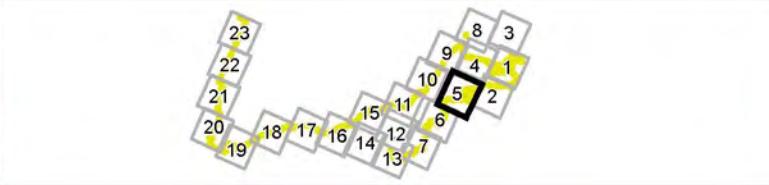



Appendix:
A2-Page 4
Map Date:
5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page

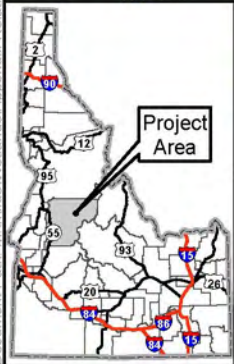
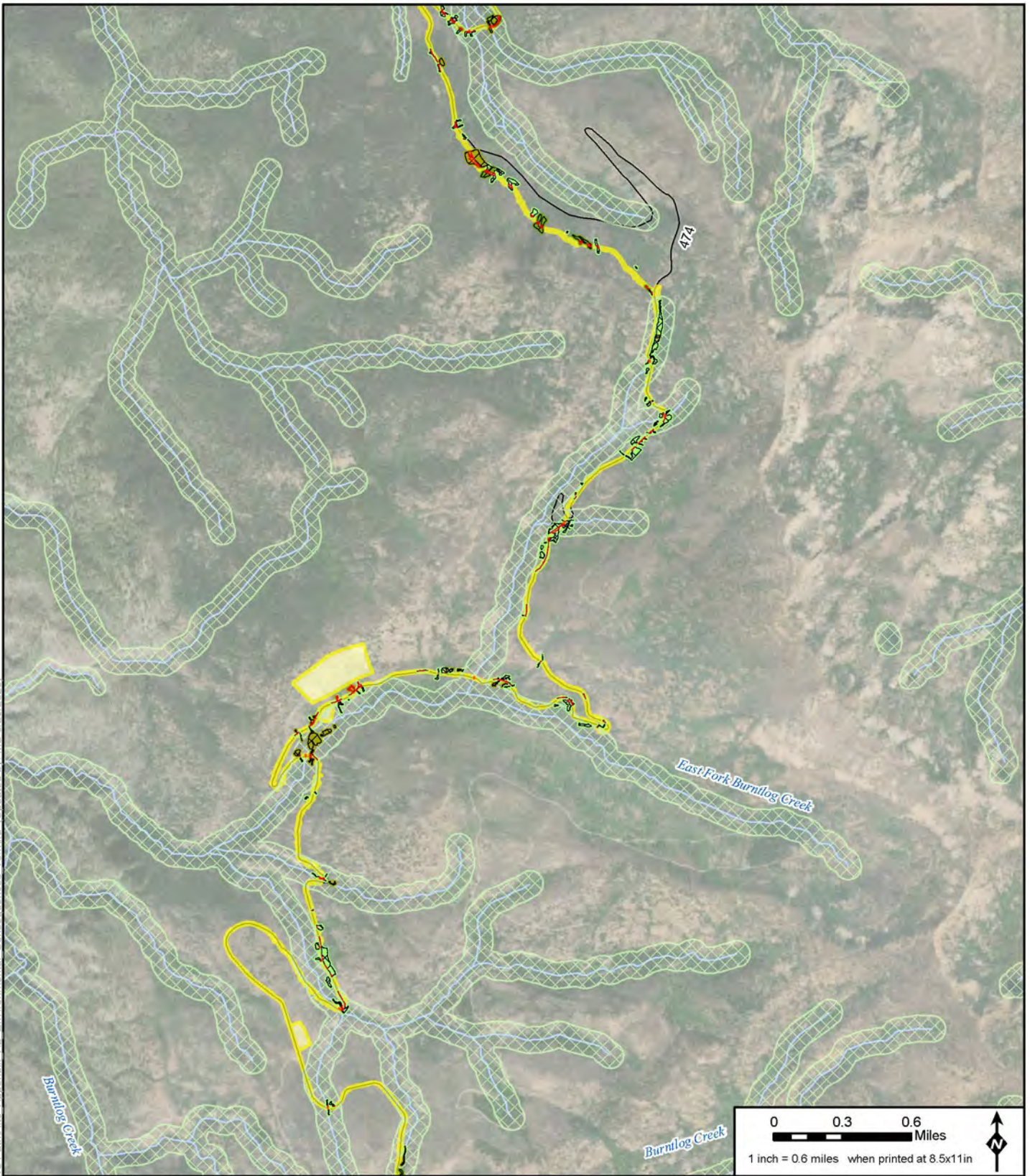


Environmental Consequences Alternative 3 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

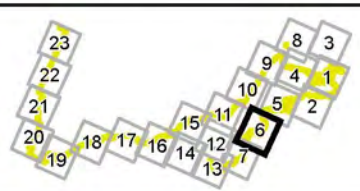
Appendix:
 A2-Page 5
 Map Date:
 5/28/2020



Legend



Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 3 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page

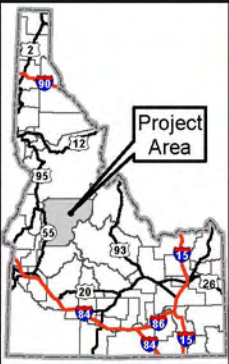
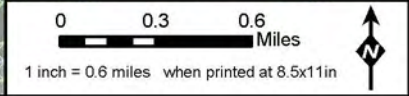
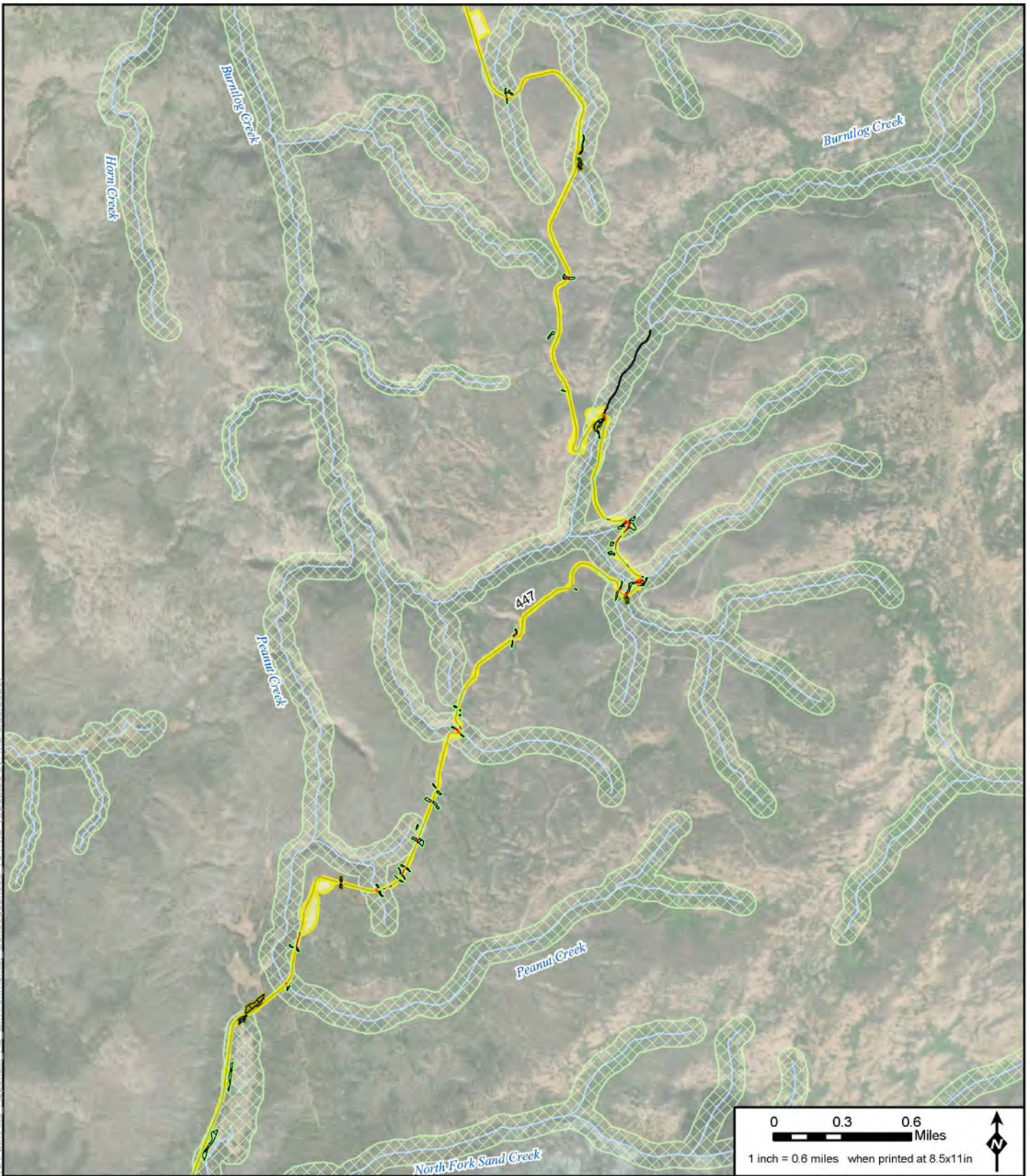


**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

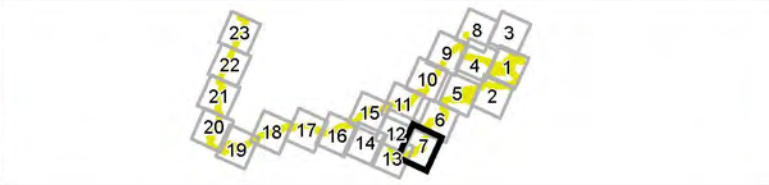
Appendix:
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 Map Date:
 5/28/2020



Legend



Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 3 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 3
Note: Not all features are visible on this map page



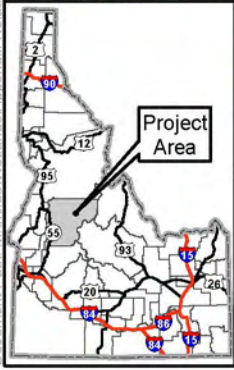
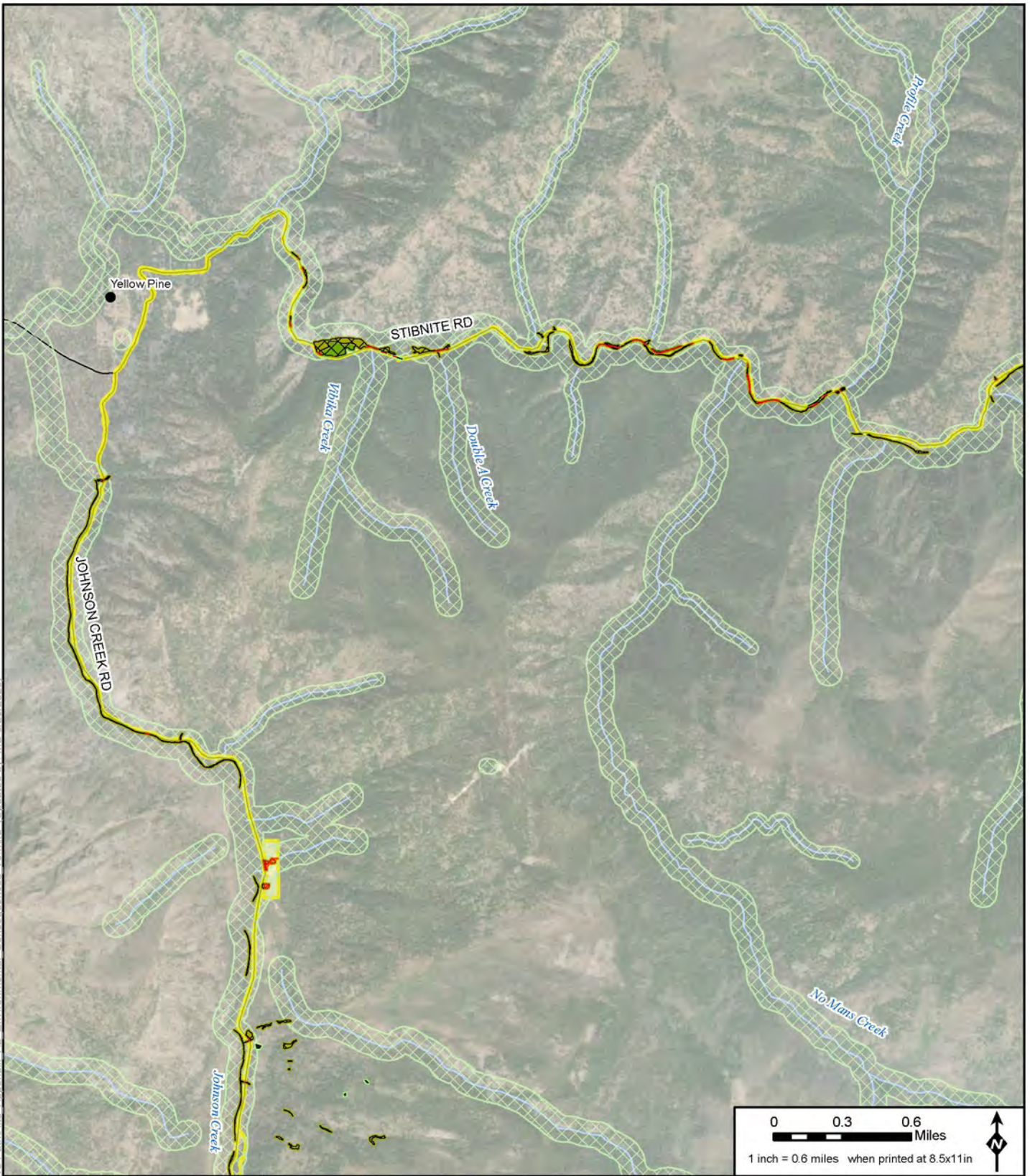
**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
A2-Page 7
Map Date:
5/28/2020

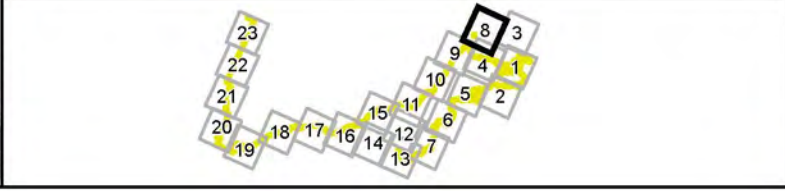
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Legend


Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 3 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 3
Note: Not all features are visible on this map page

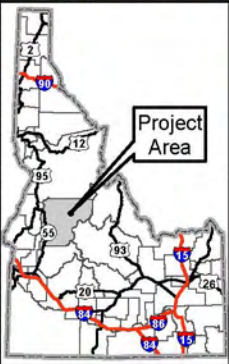
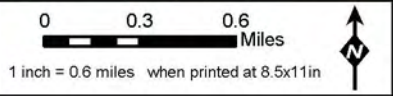
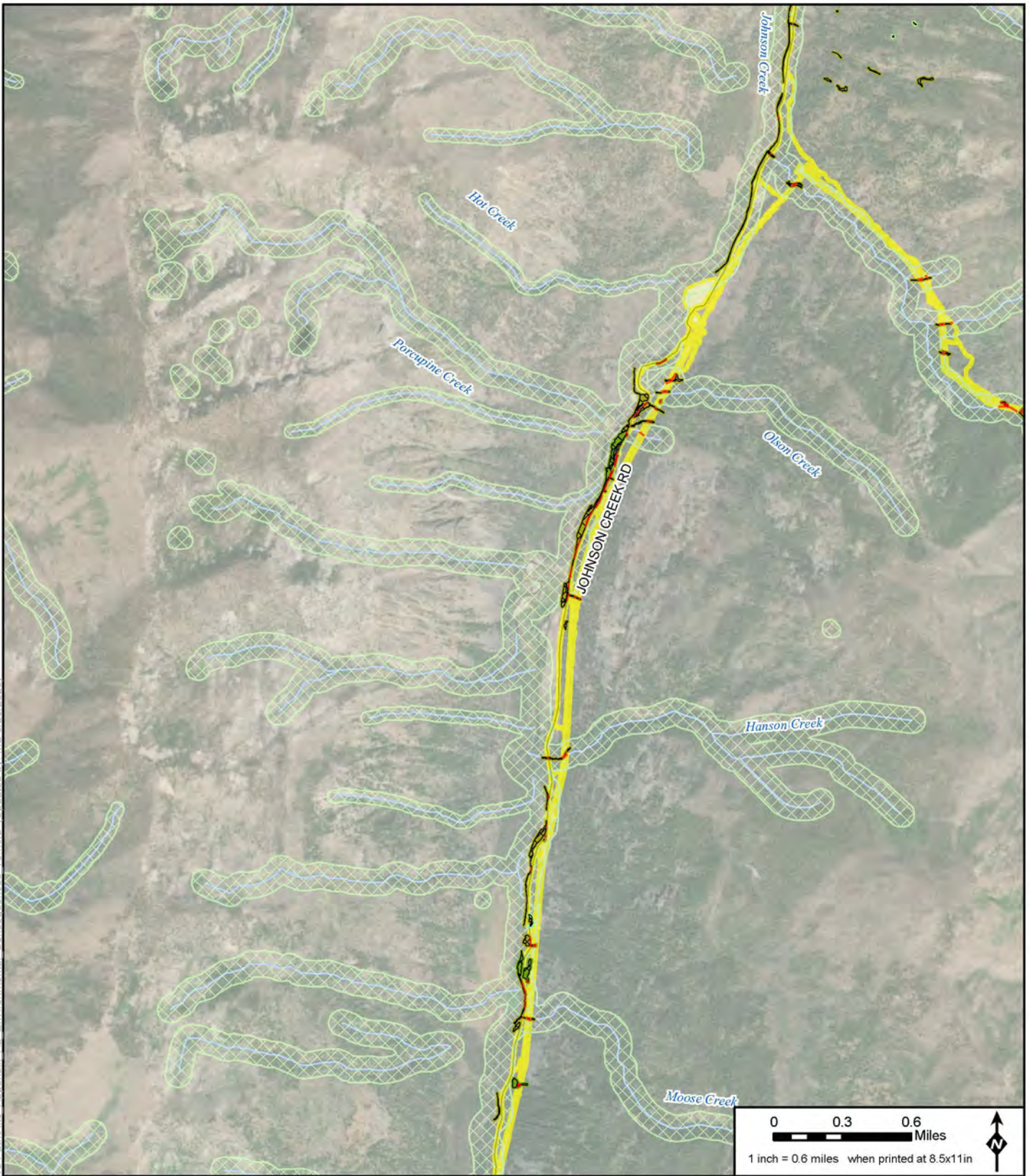


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

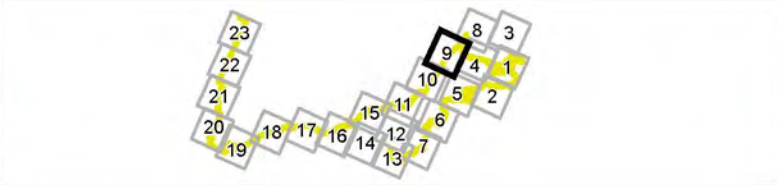
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Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
A2-Page 8
Map Date:
5/28/2020




Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road



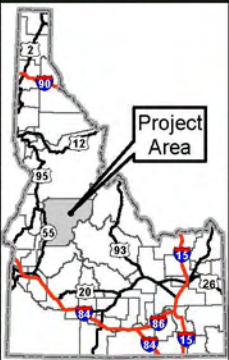
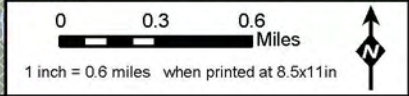
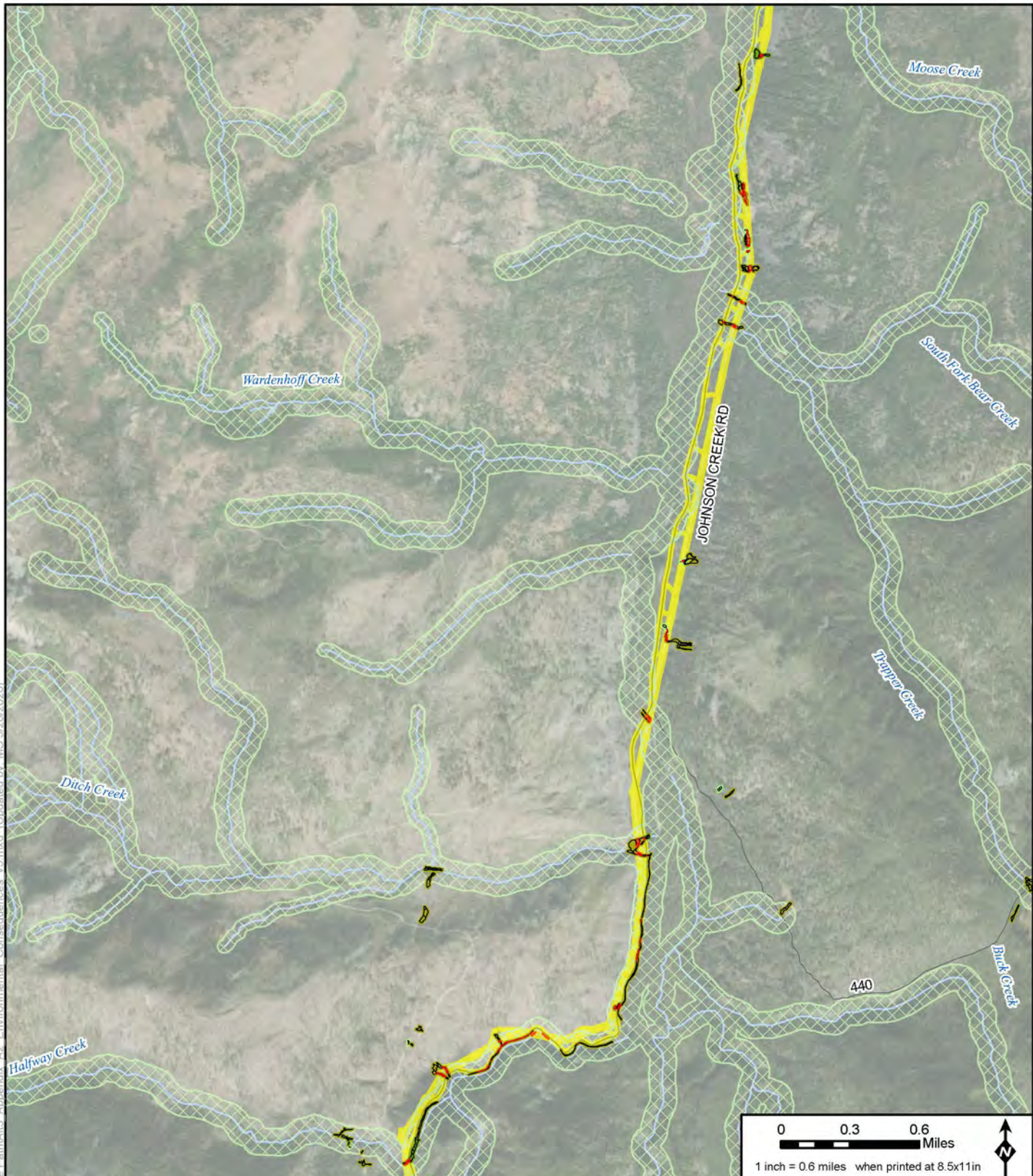
**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
A2-Page 9
Map Date:
5/28/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A113_Appendix A2 Environmental Consequences_v5.mxd (Updated by MS 5/28/2020)





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

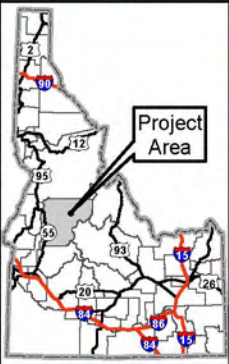
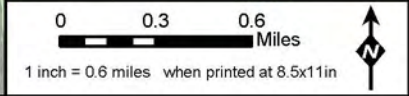
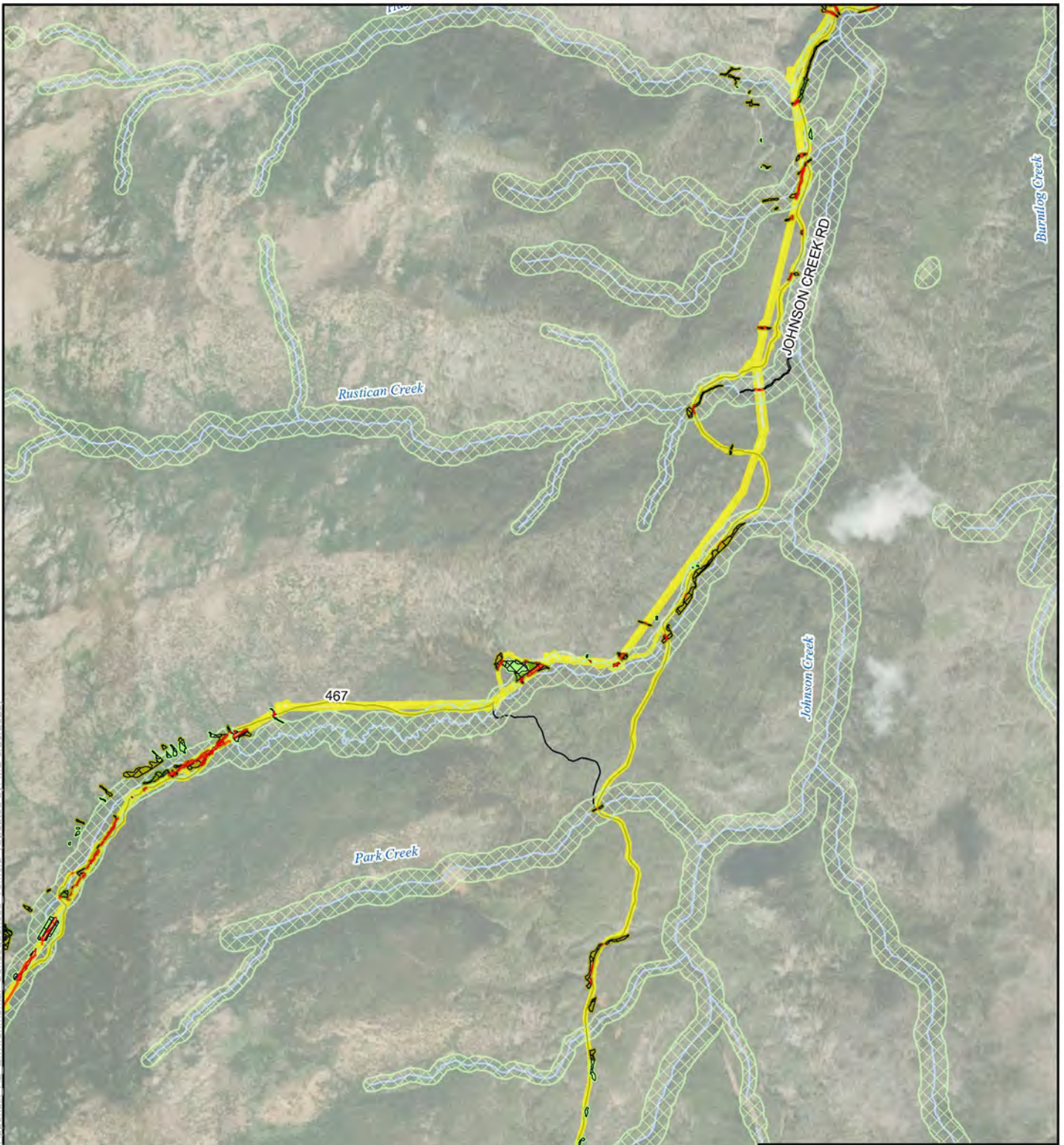


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

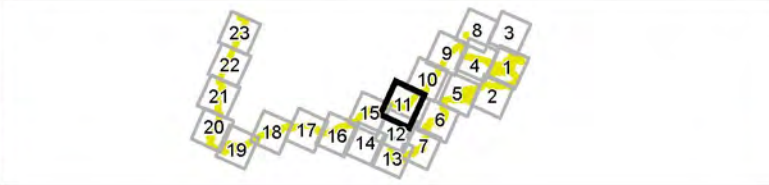
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Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
A2-Page 10
Map Date:
5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

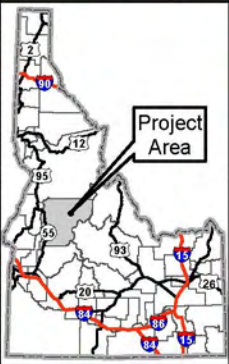
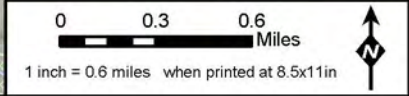
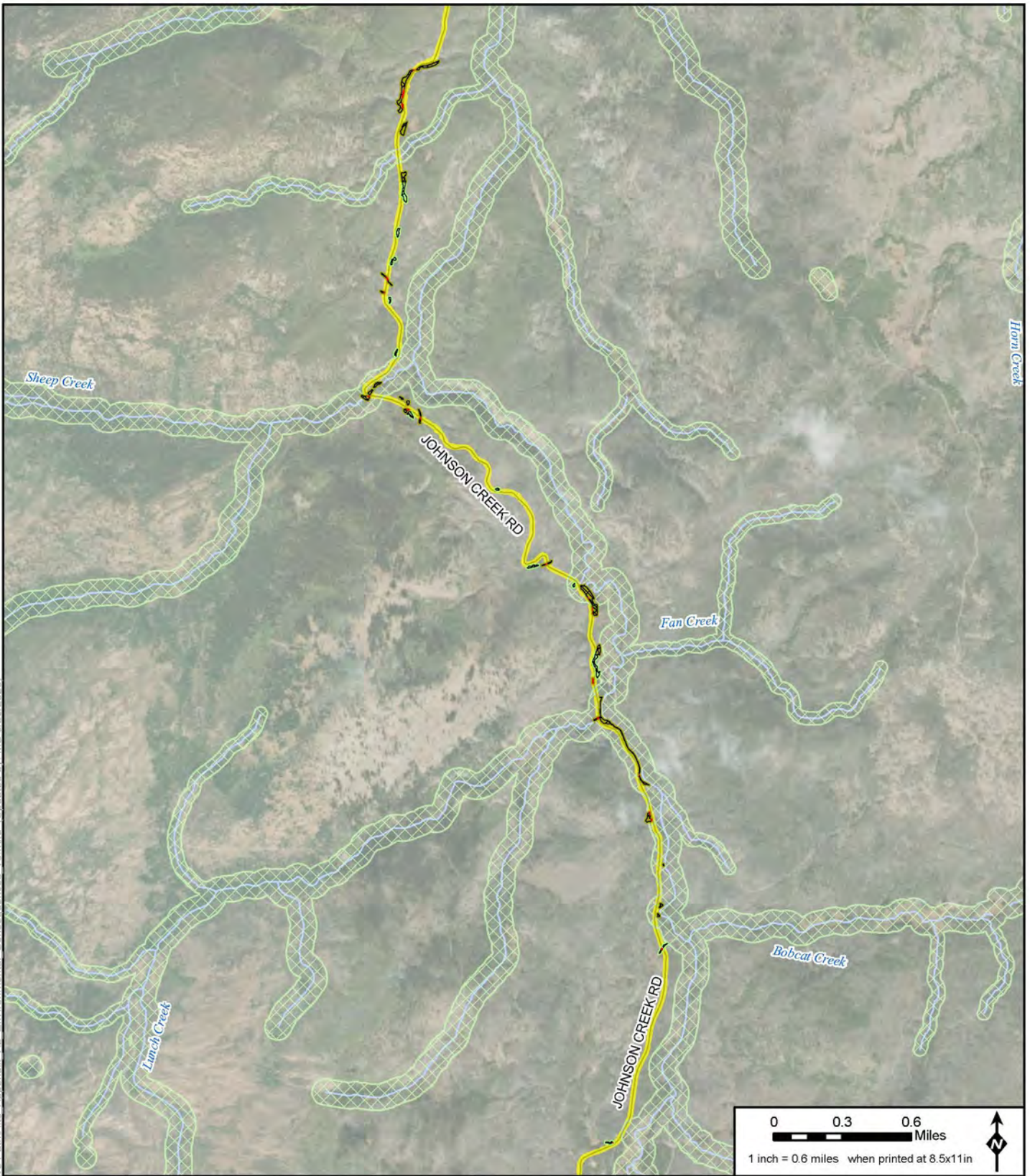


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

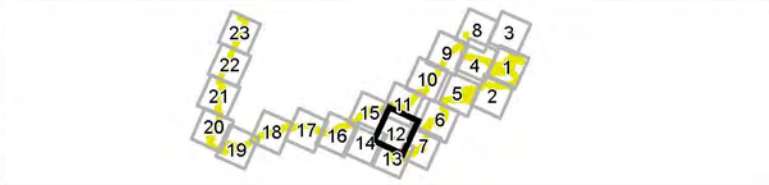
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Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
A2-Page 11
Map Date:
5/28/2020





- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 3 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Access Road
 - Road
 - Stream/River
 - Lake/Reservoir
- * Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page

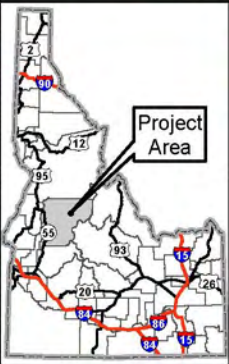
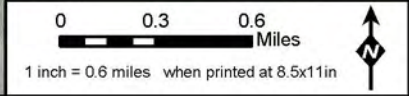
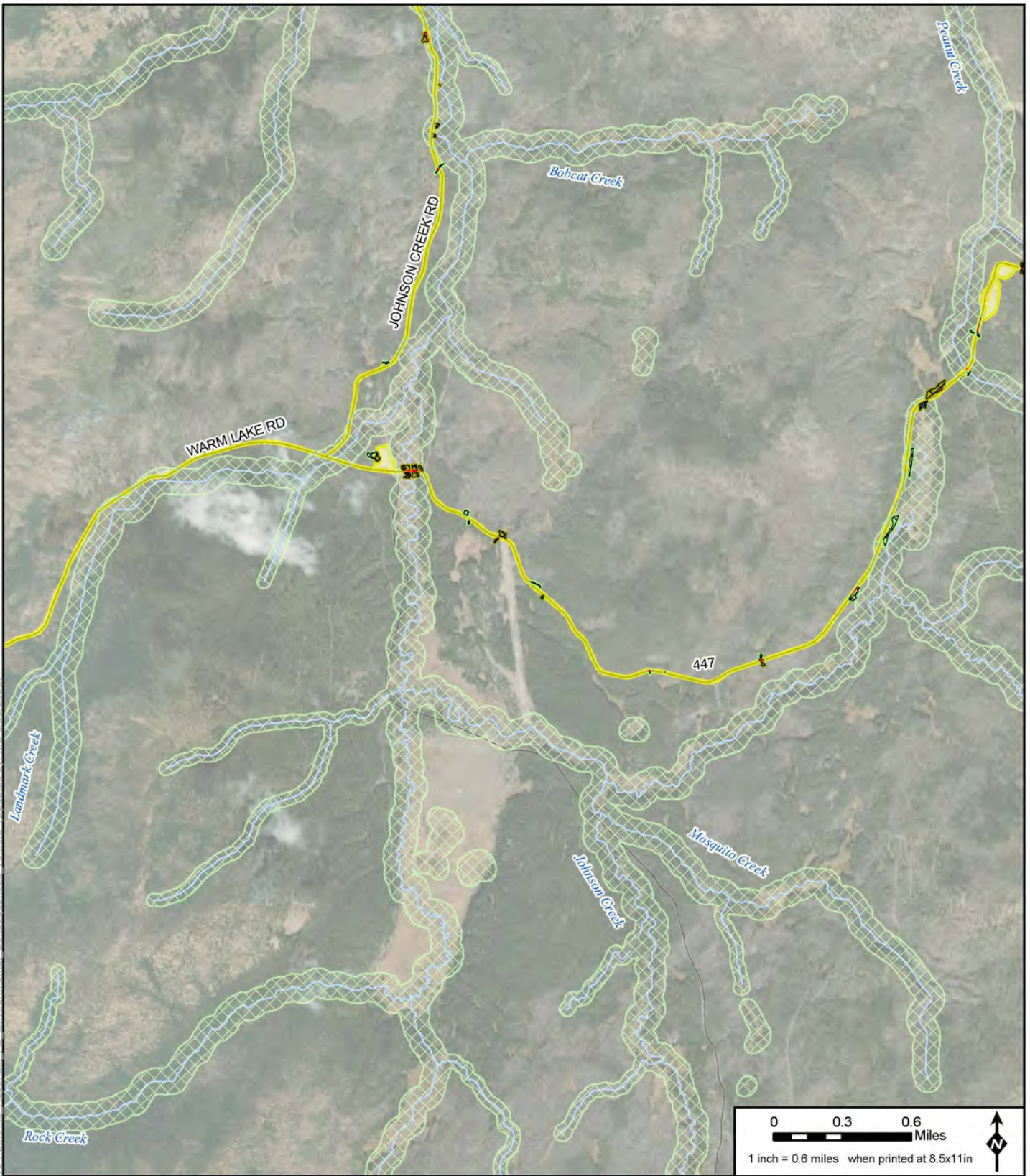


**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

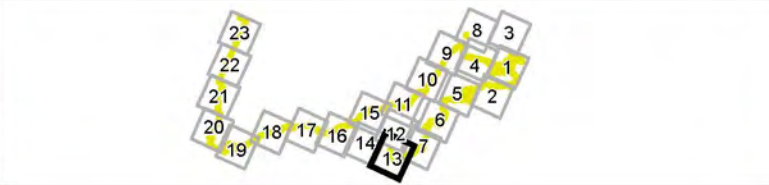
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 12
 Map Date:
 5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

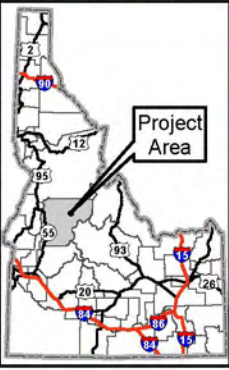
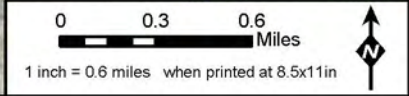
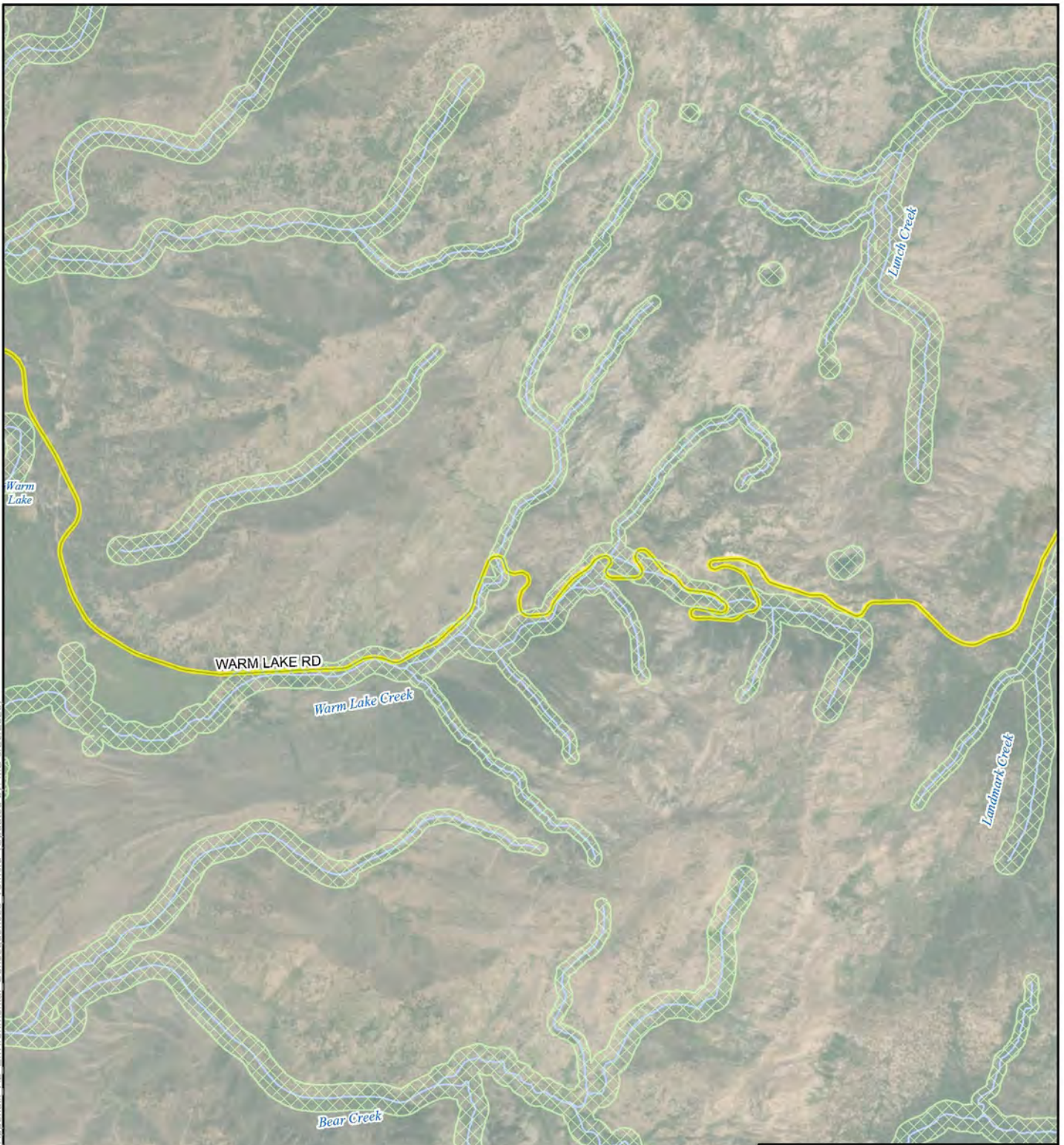


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

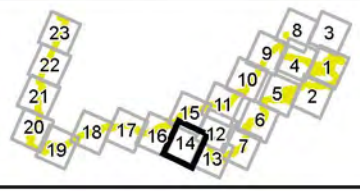



Appendix:
A2-Page 13
Map Date:
5/28/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page



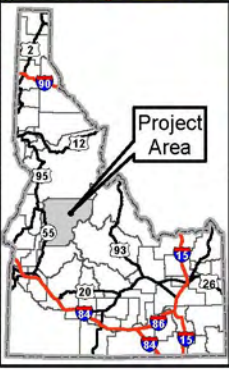
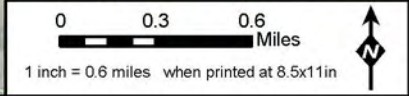
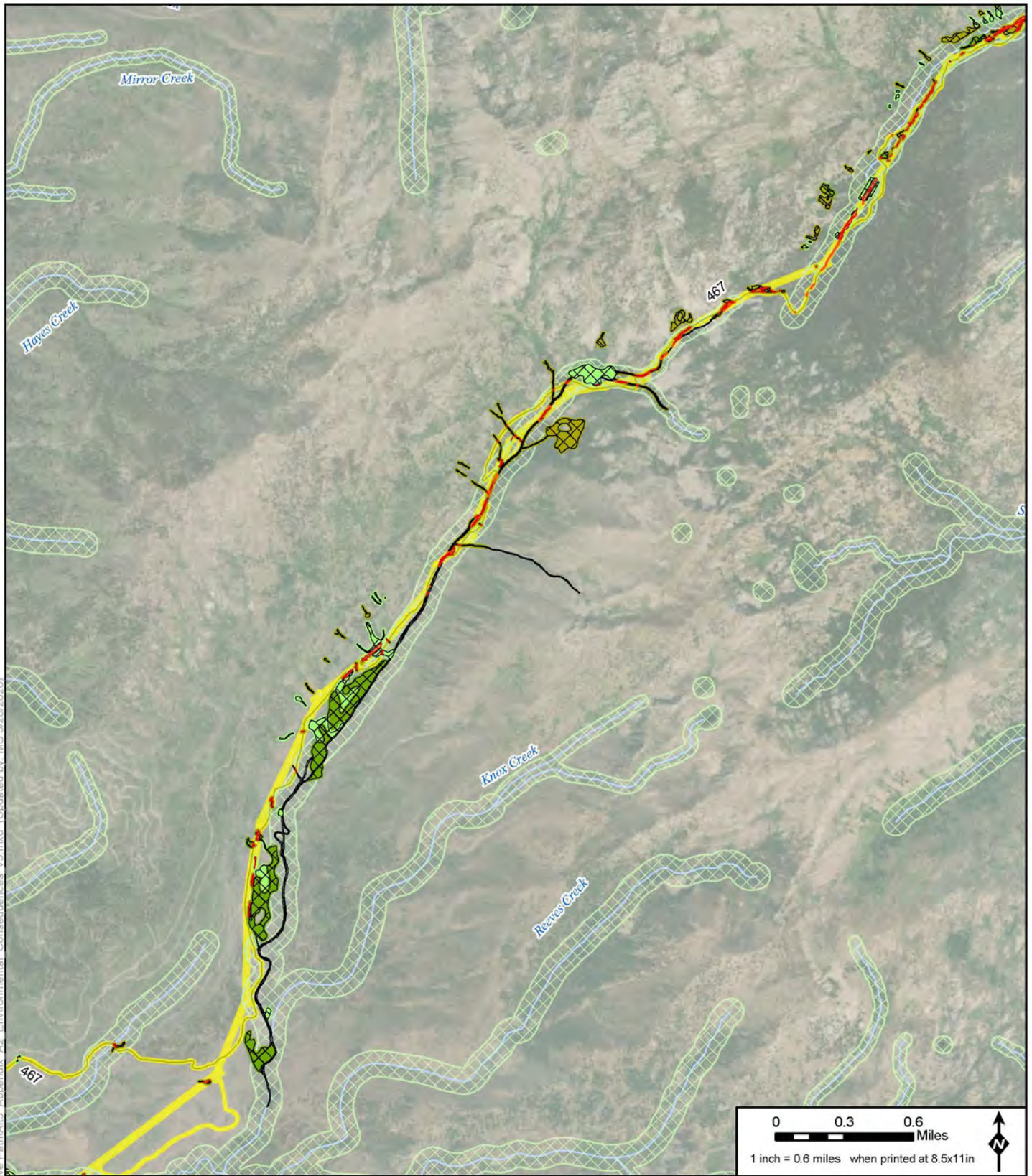
Environmental Consequences Alternative 3 Stibnite Gold Project Stibnite, ID

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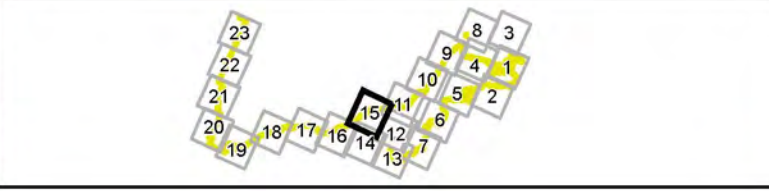

Appendix:
 A2-Page 14
 Map Date:
 5/28/2020

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Legend	
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Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page



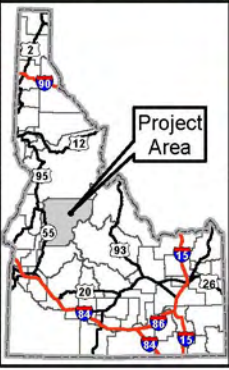
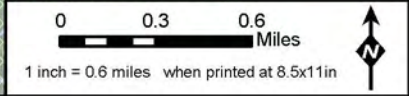
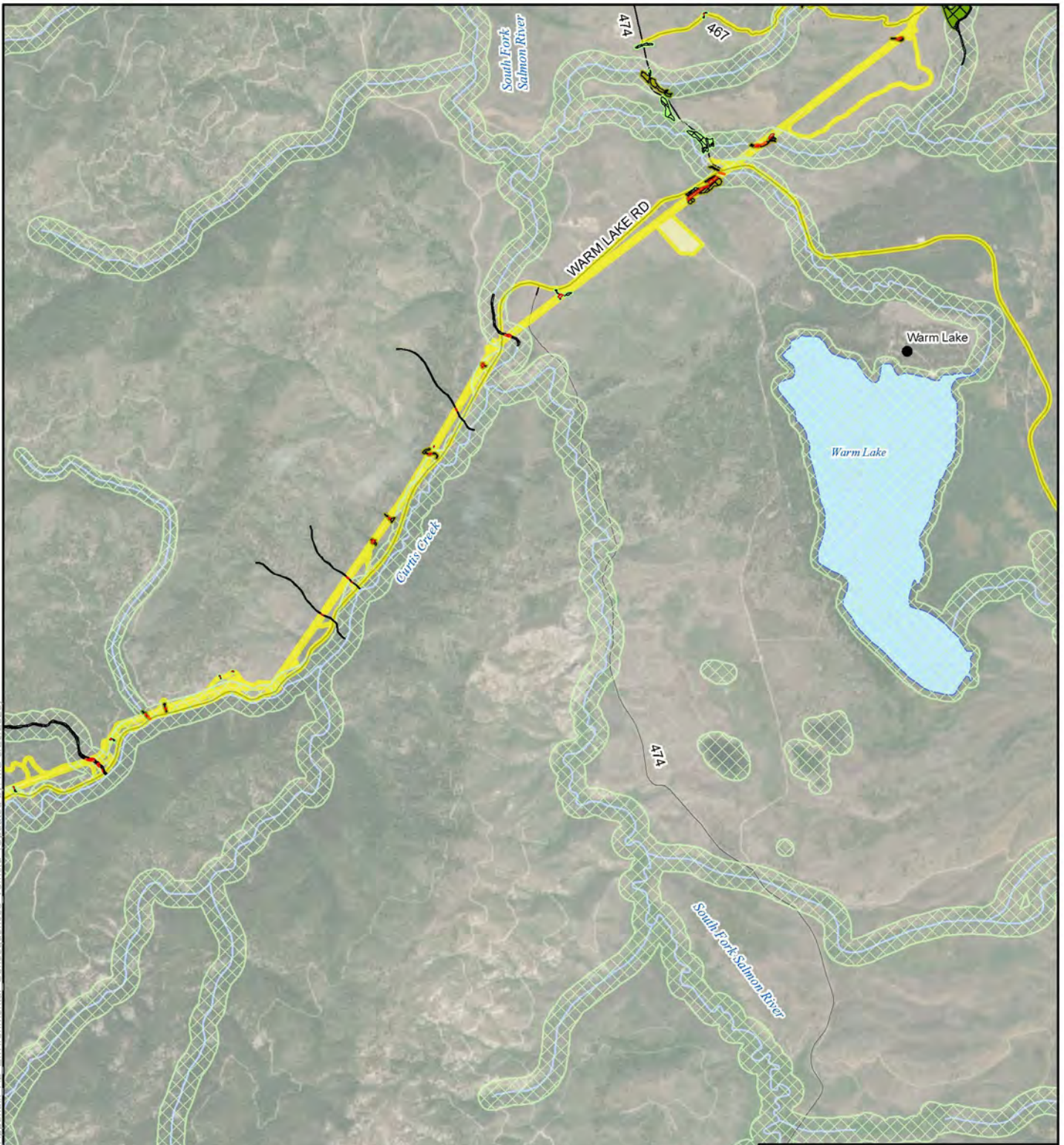
Environmental Consequences Alternative 3 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

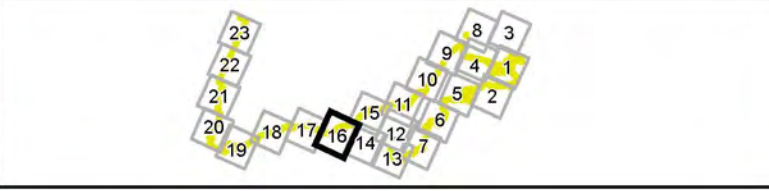



Appendix:
 A2-Page 15
 Map Date:
 5/28/2020

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Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road



**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

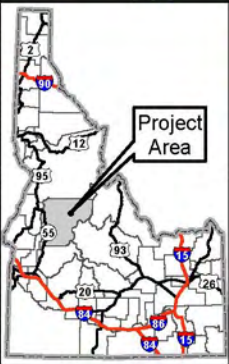
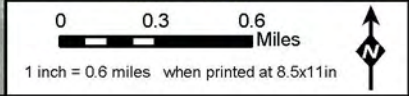
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Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



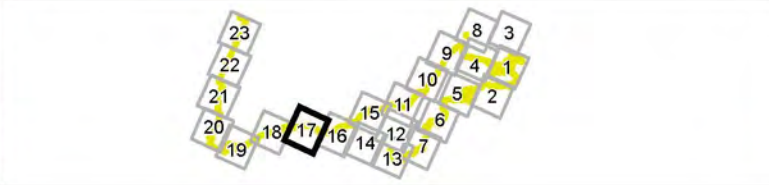

Appendix:
A2-Page 16
Map Date:
5/28/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A113_Appendix A2 Environmental Consequences v5.mxd (Updated by MS 5/28/2020)





- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 3 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Access Road
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page

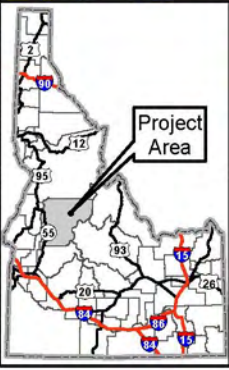
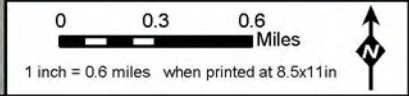
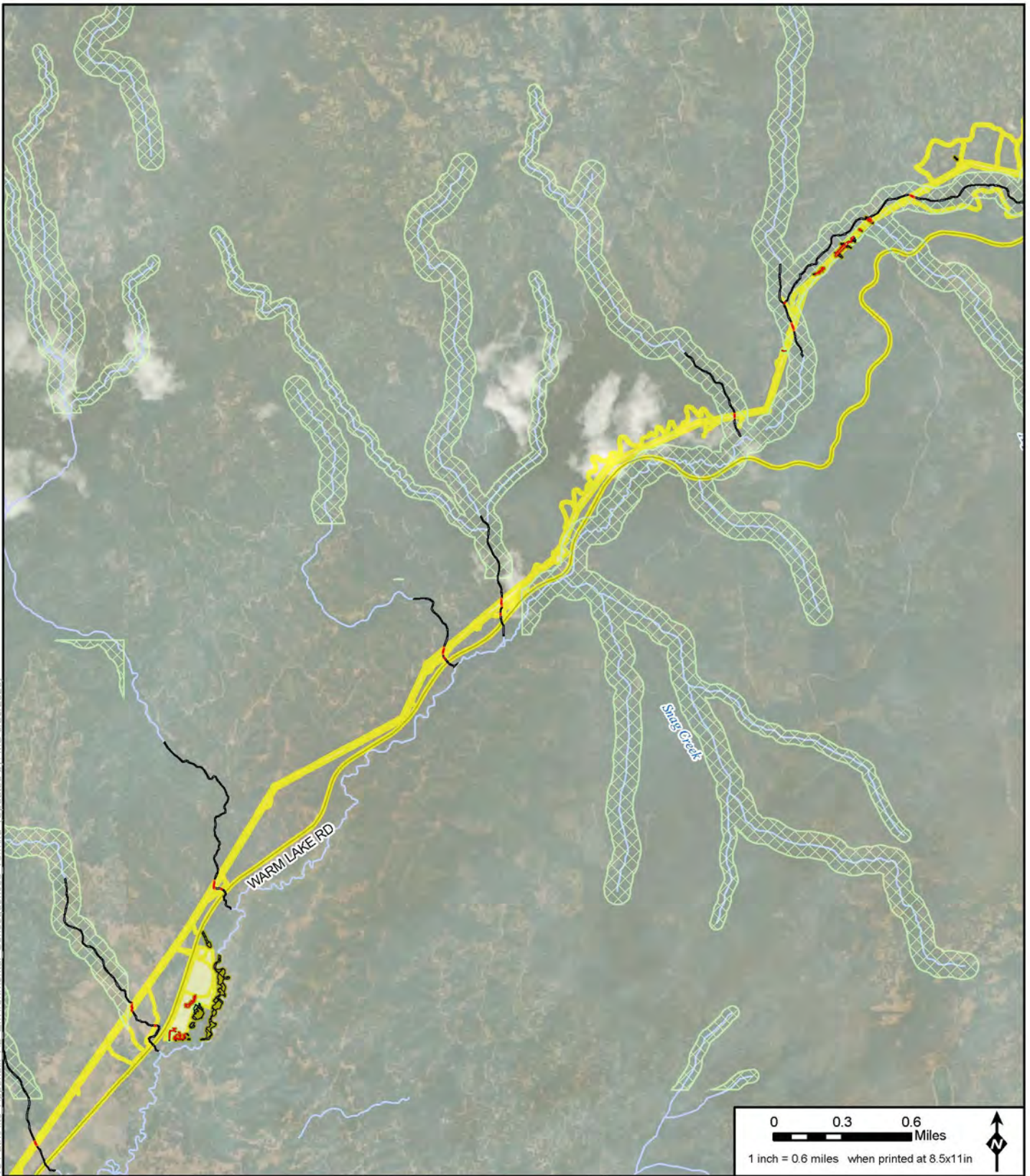


**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 17
 Map Date:
 5/28/2020



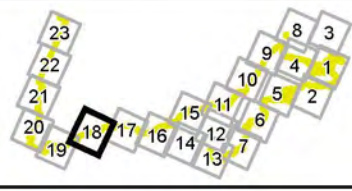
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| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 3 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |
- * Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page

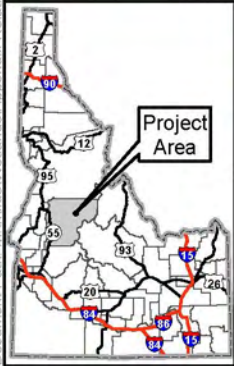
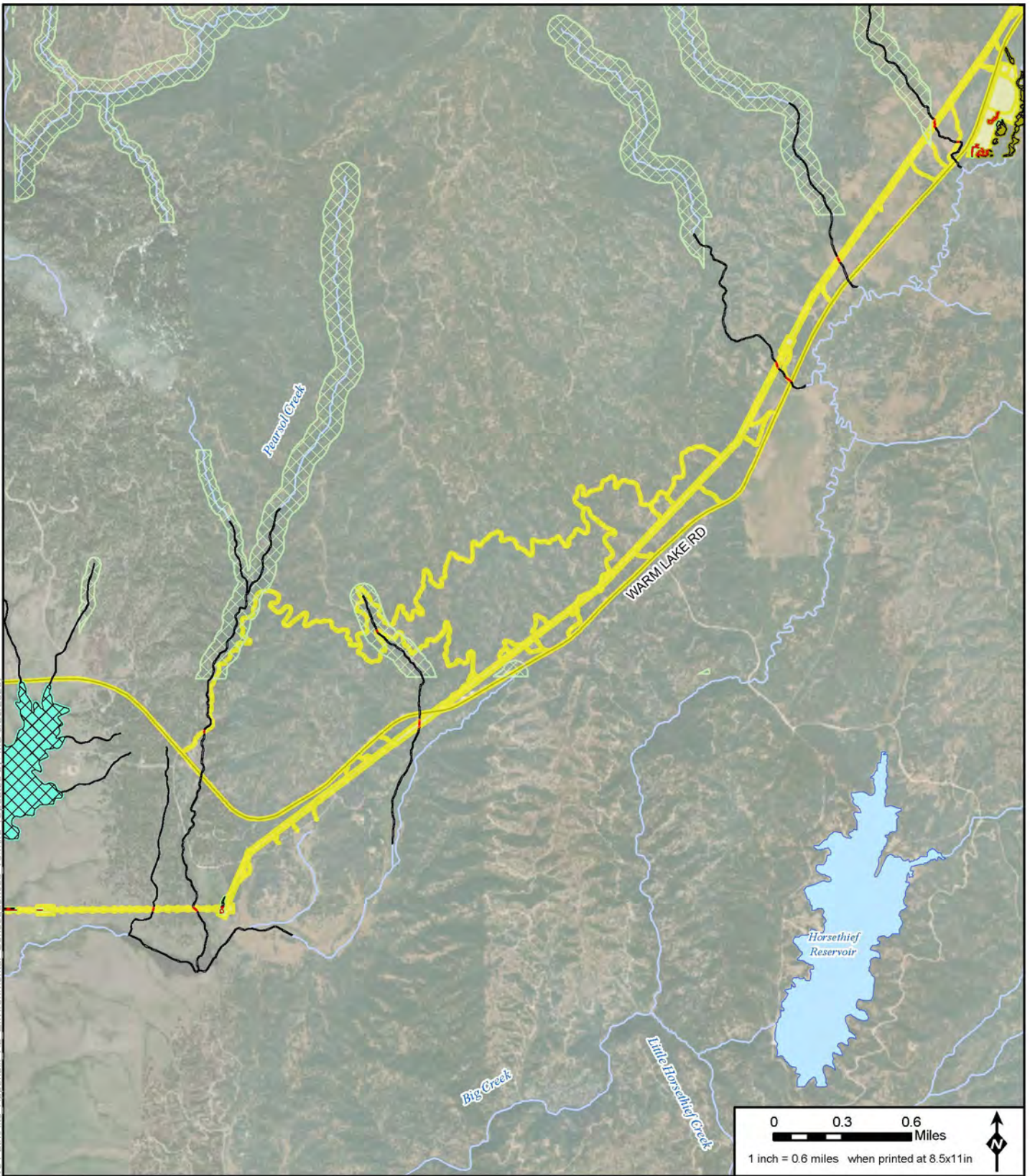
**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

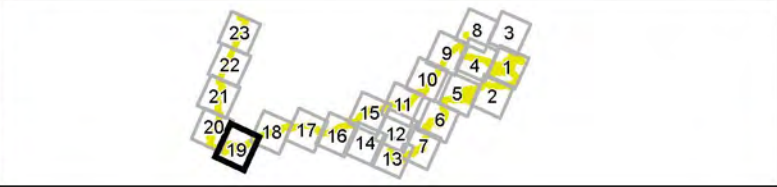



Appendix:
 A2-Page 18
 Map Date:
 5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 3 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road



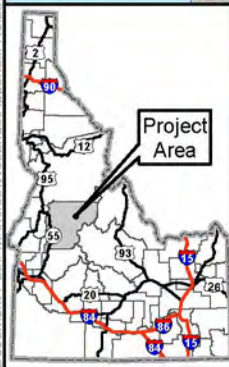
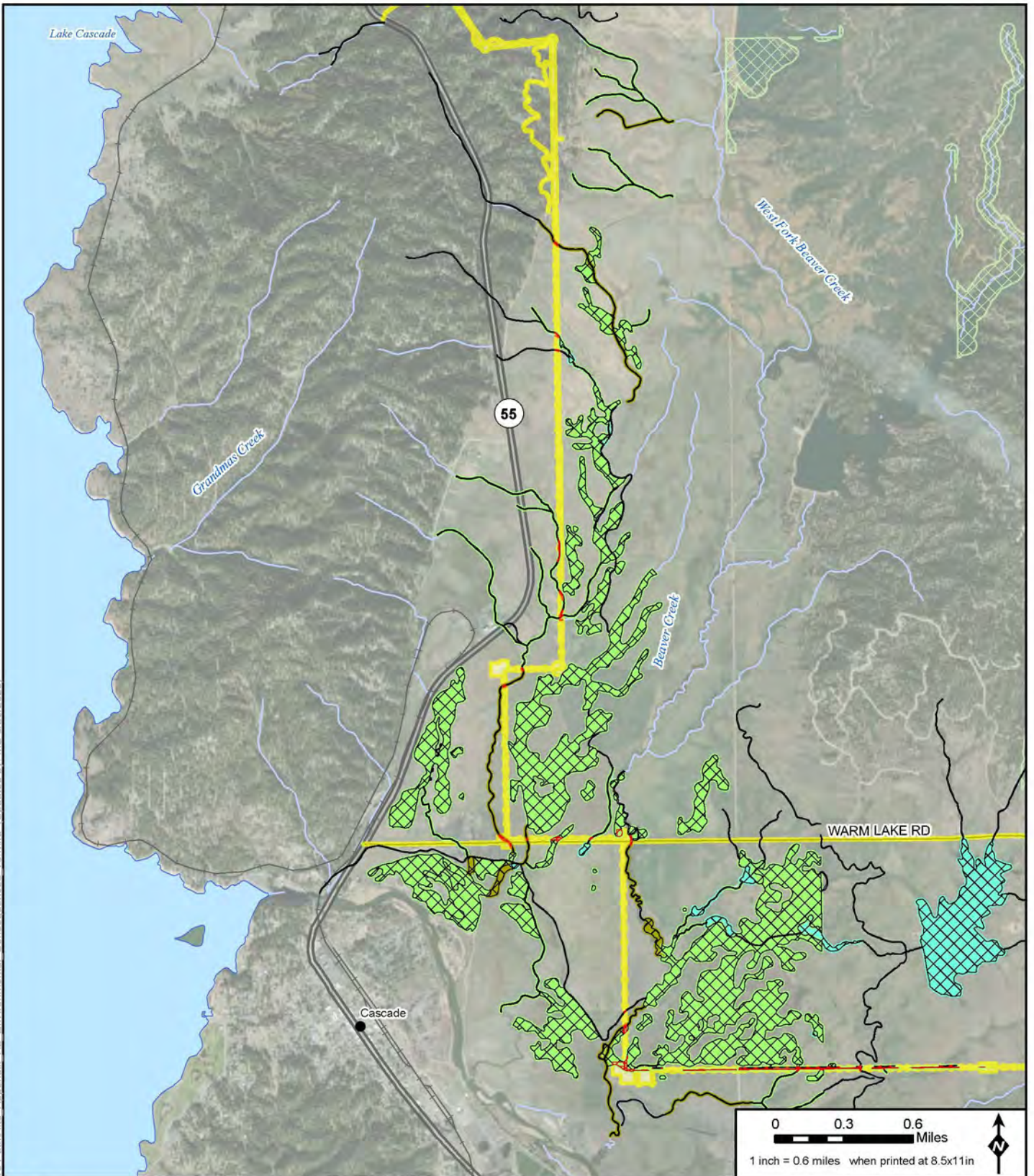
**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 3
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Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



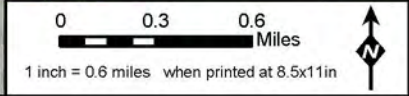
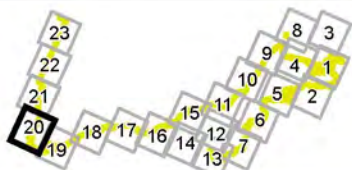

Appendix:
A2-Page 19
Map Date:
5/28/2020



Legend



- | | | | |
|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 3 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page

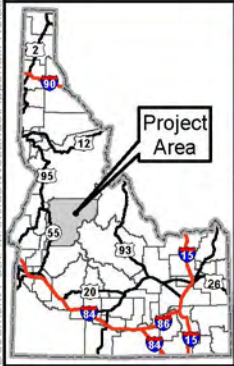
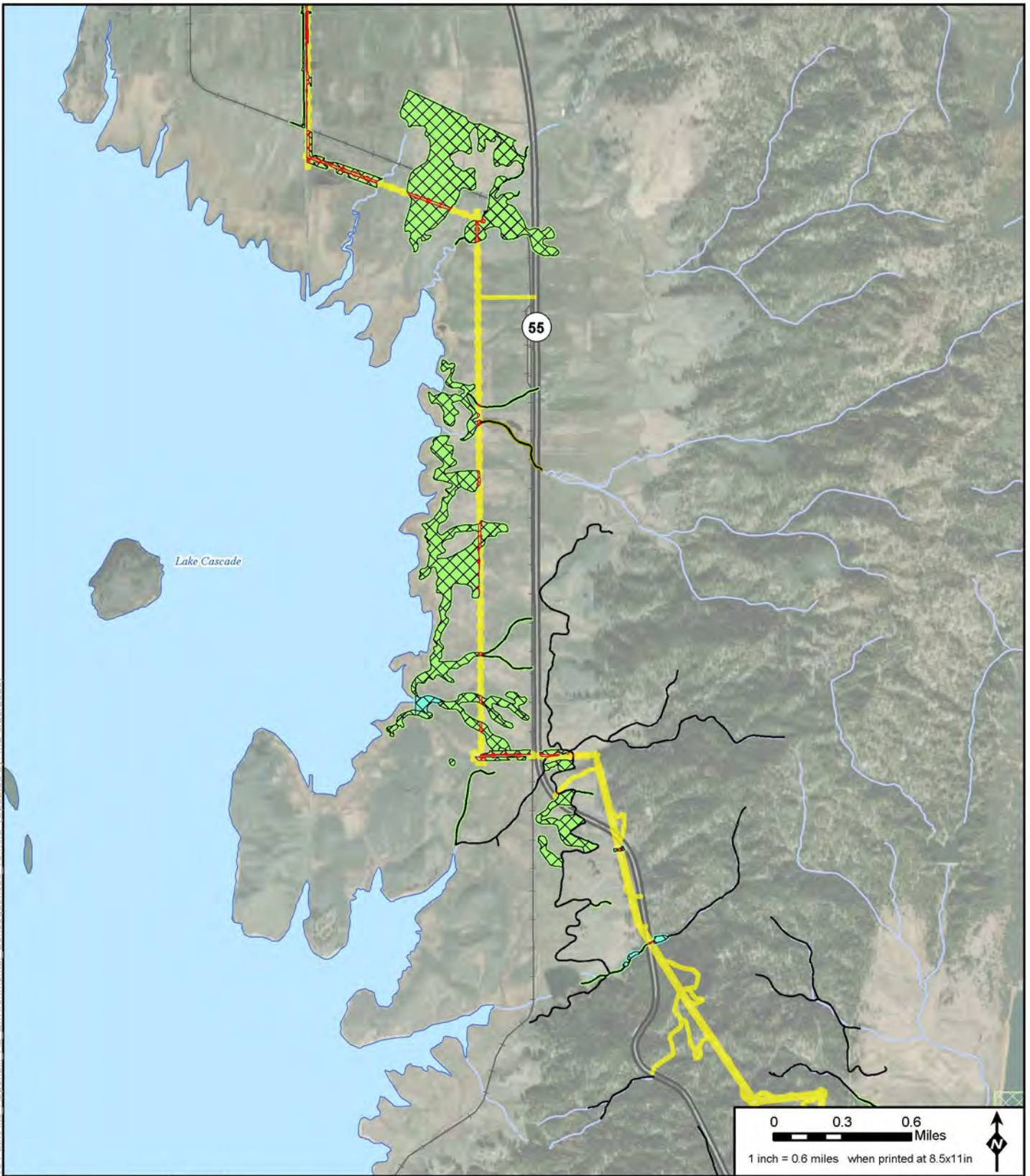


**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

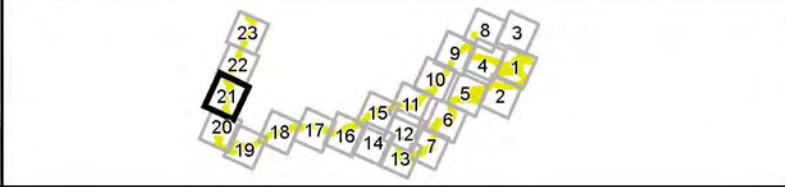
Appendix:
 A2-Page 20
 Map Date:
 5/28/2020



Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 3 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 3
Note: Not all features are visible on this map page

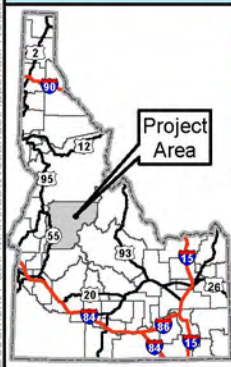
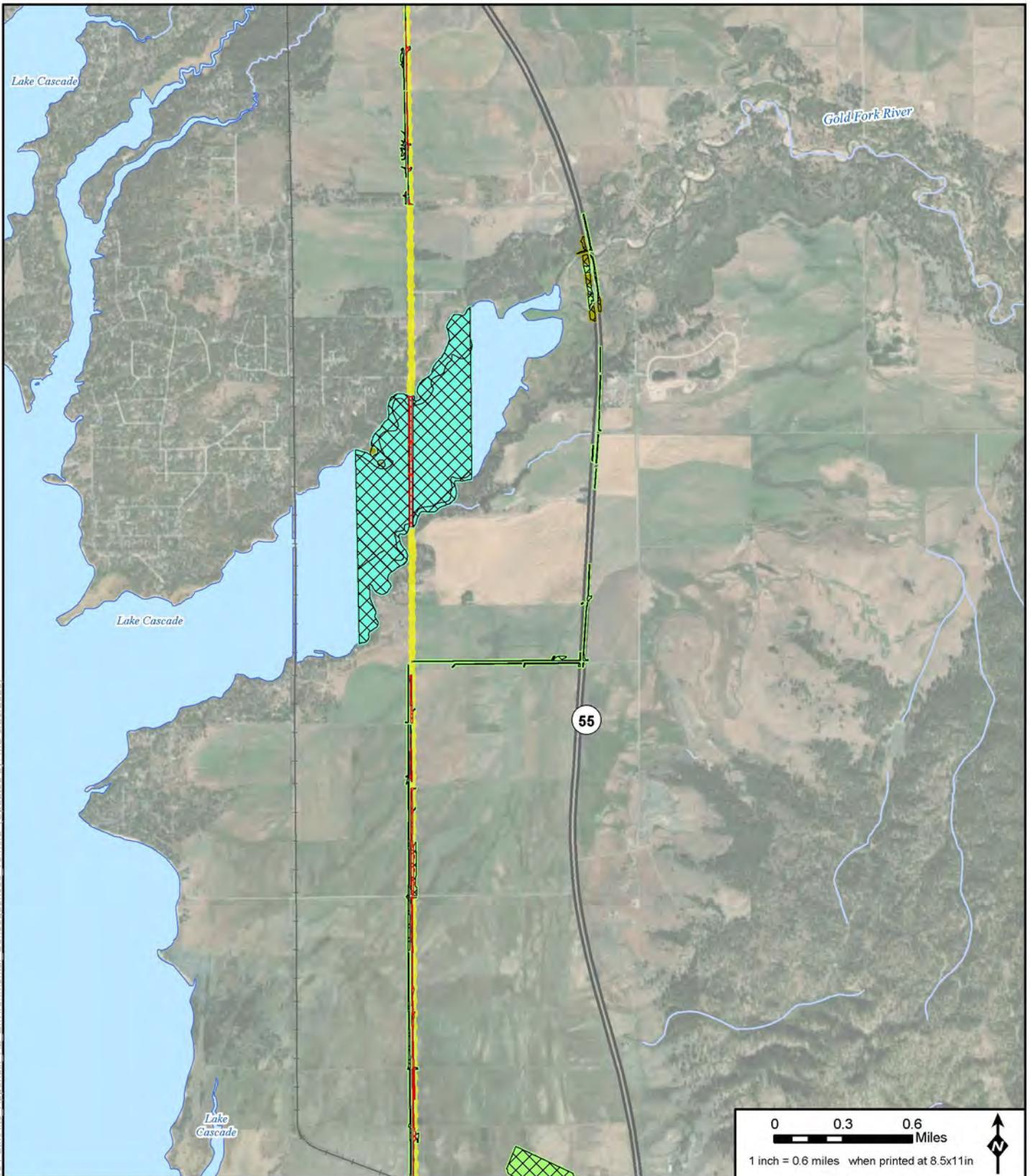


**Environmental Consequences
Alternative 3
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

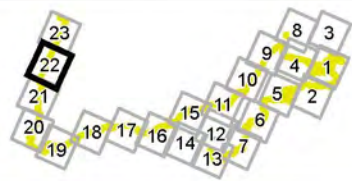



Appendix:
A2-Page 21
Map Date:
5/28/2020





Legend

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|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 3 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |
- * Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page



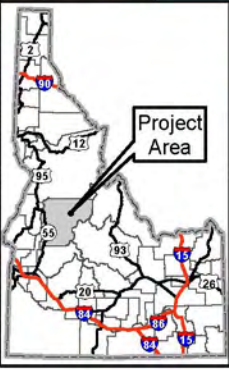
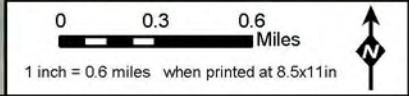
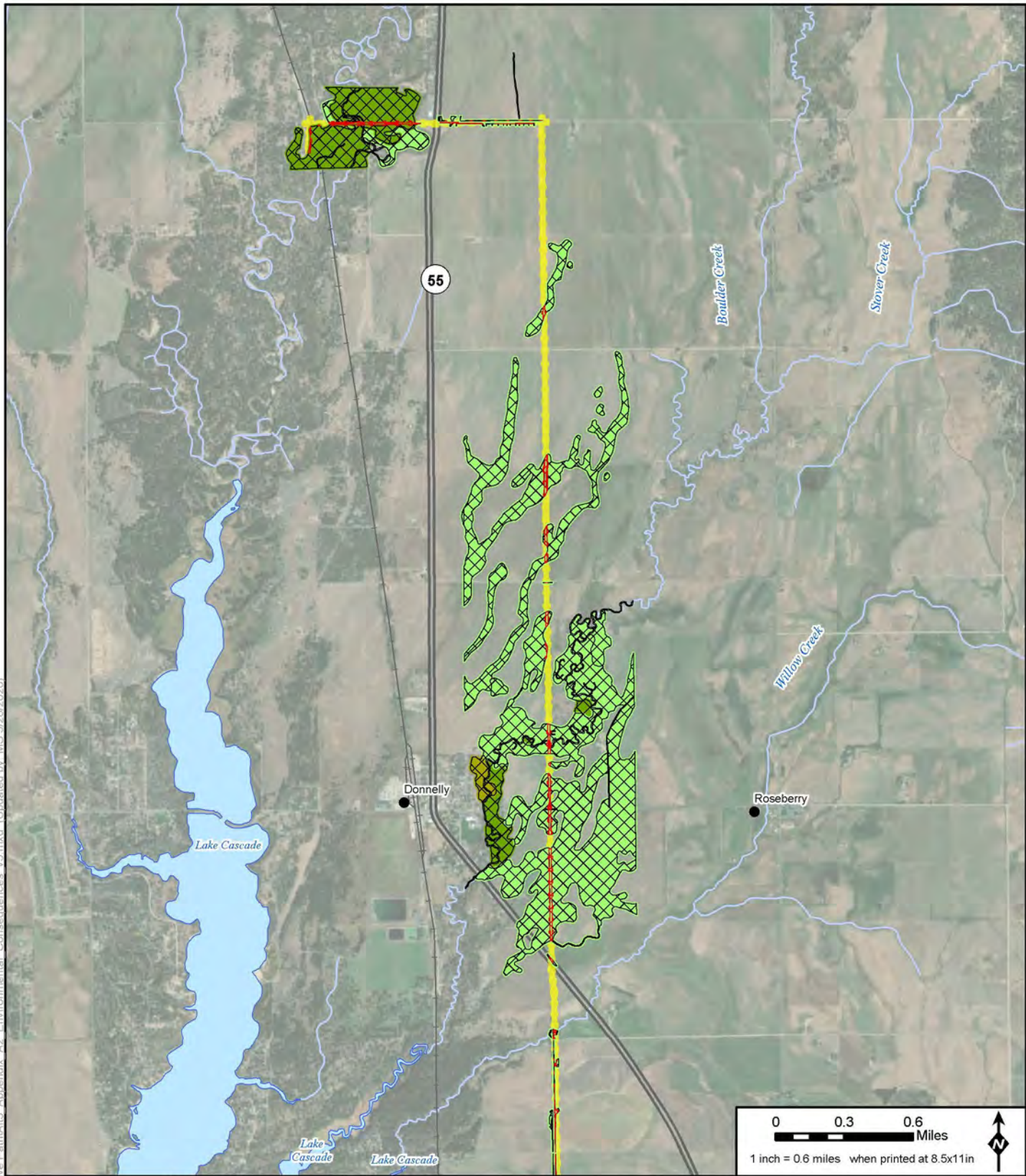
**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
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Appendix:
 A2-Page 22
 Map Date:
 5/28/2020

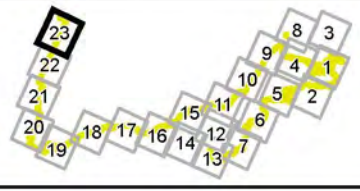
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Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 3 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 3
 Note: Not all features are visible on this map page



**Environmental Consequences
 Alternative 3
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



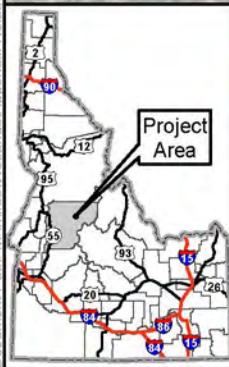
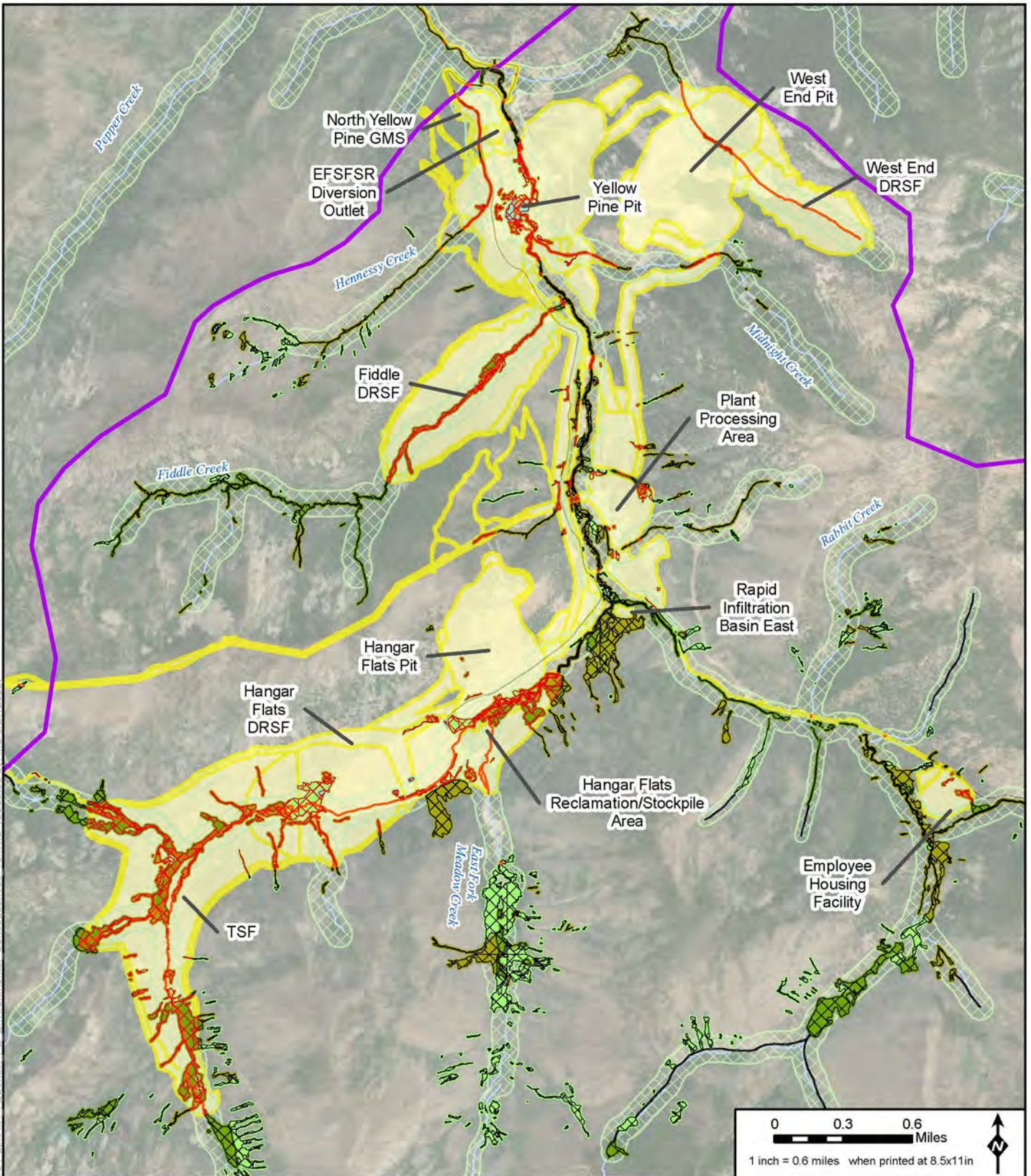

Appendix:
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 Map Date:
 5/28/2020

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**Appendix I-5: Impacts to Wetlands and Riparian Resources in the
Analysis Area, Alternative 4**

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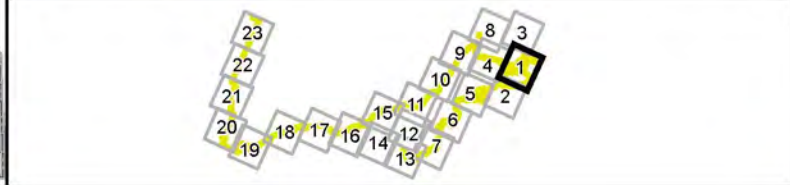
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Legend

Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 4 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	



* Project Components are associated with Alternative 4
Note: Not all features are visible on this map page



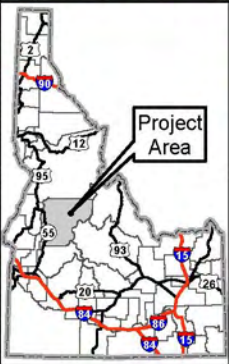
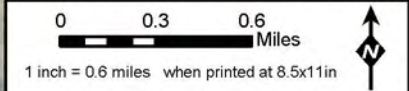
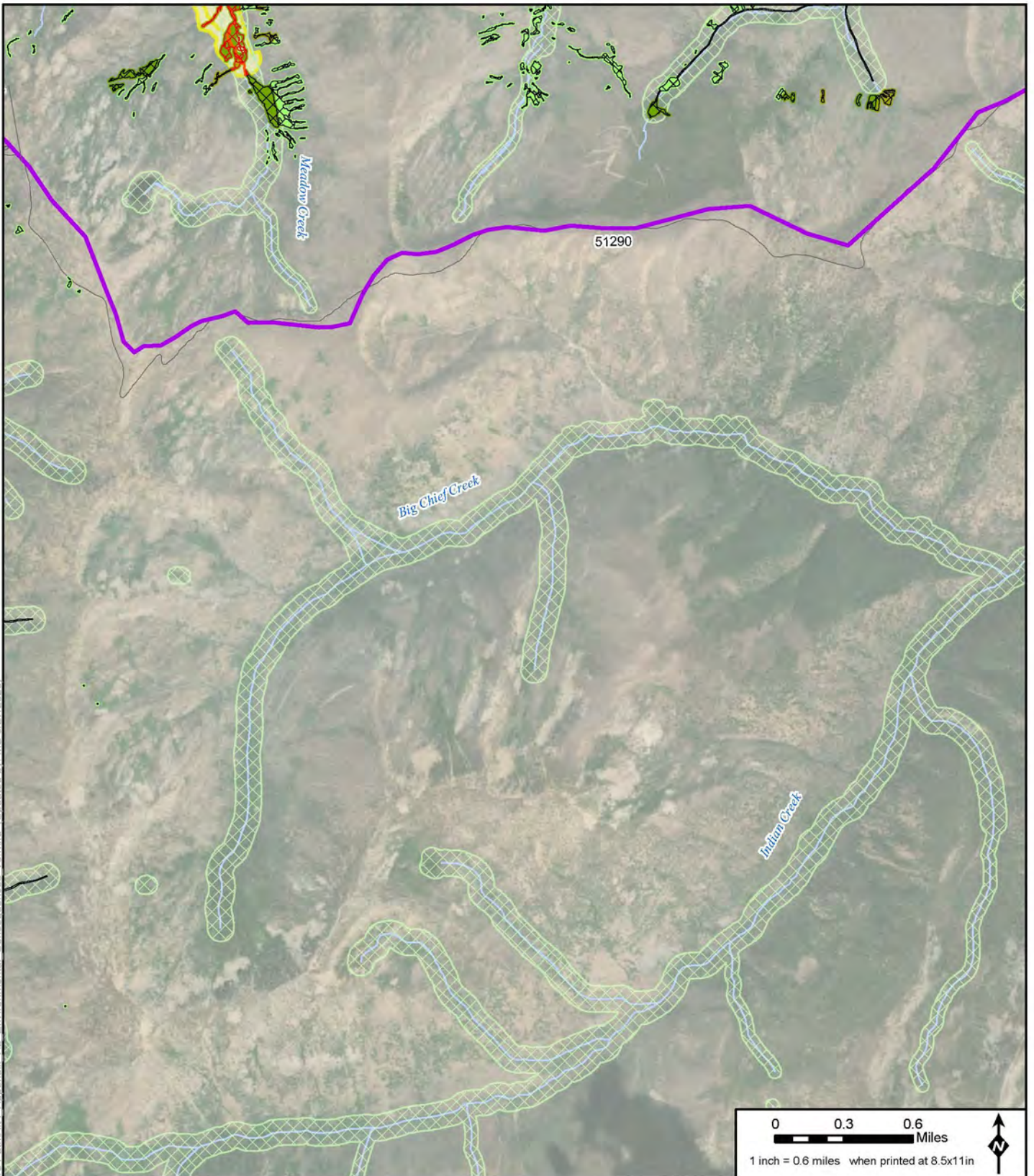
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**Environmental Consequences
Alternative 4
Stibnite Gold Project
Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
A2-Page 1
Map Date:
5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Open Water
Avoided Wetland	Emergent
	Scrub-Shrub
Railroad	Stream/River
Highway	Lake/Reservoir
Access Road	
Road	

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

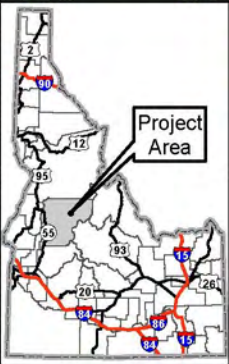
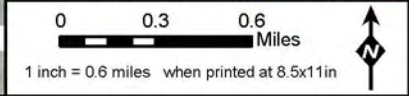
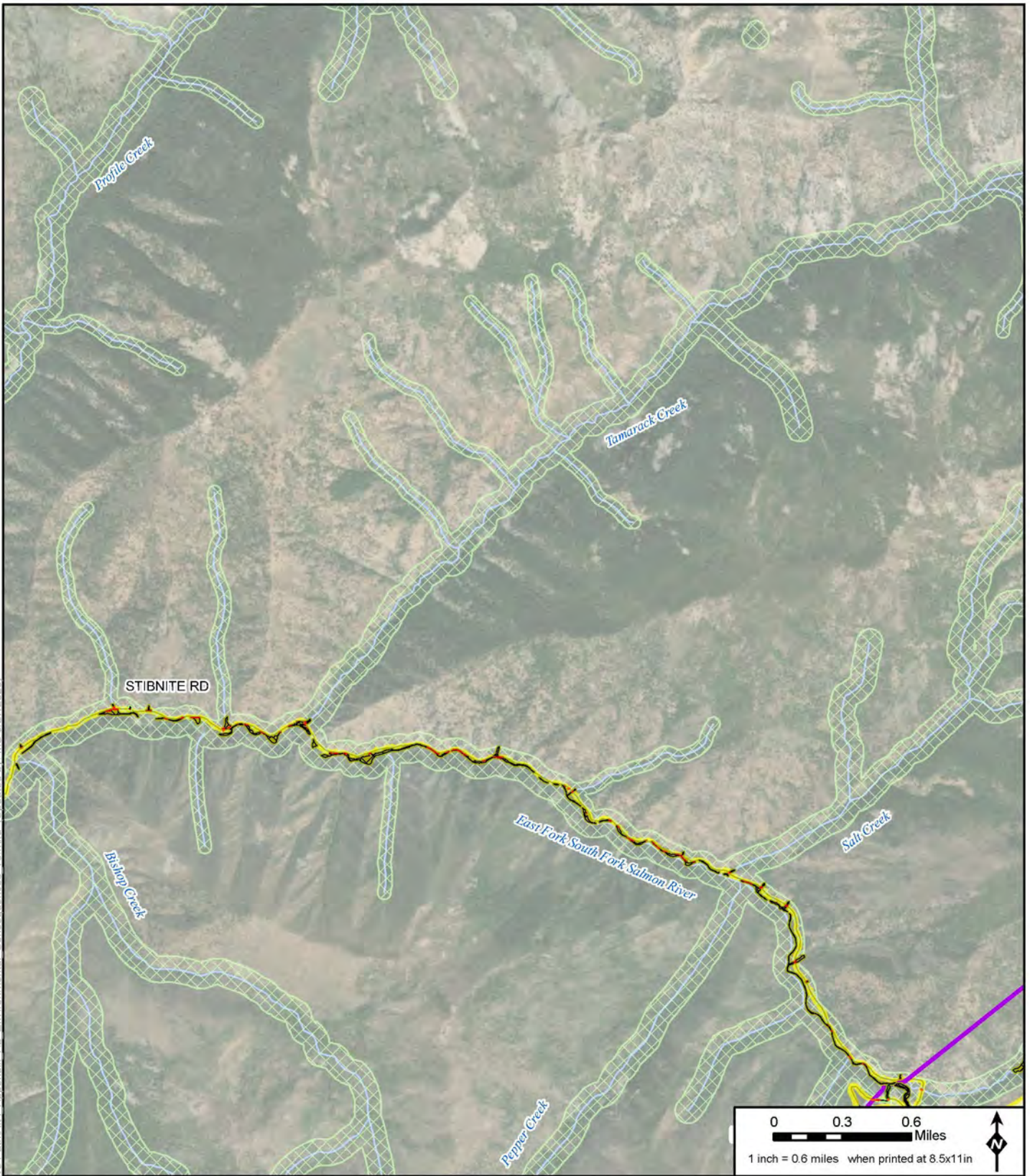


Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

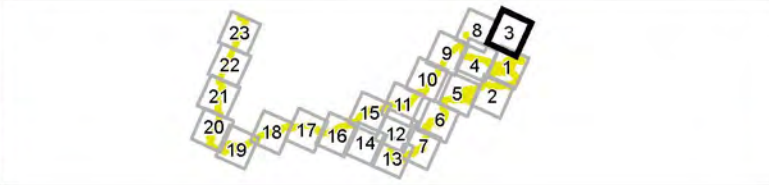



Appendix:
 A2-Page 2
 Map Date:
 5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



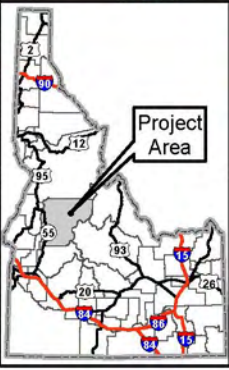
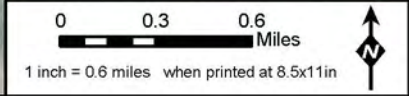
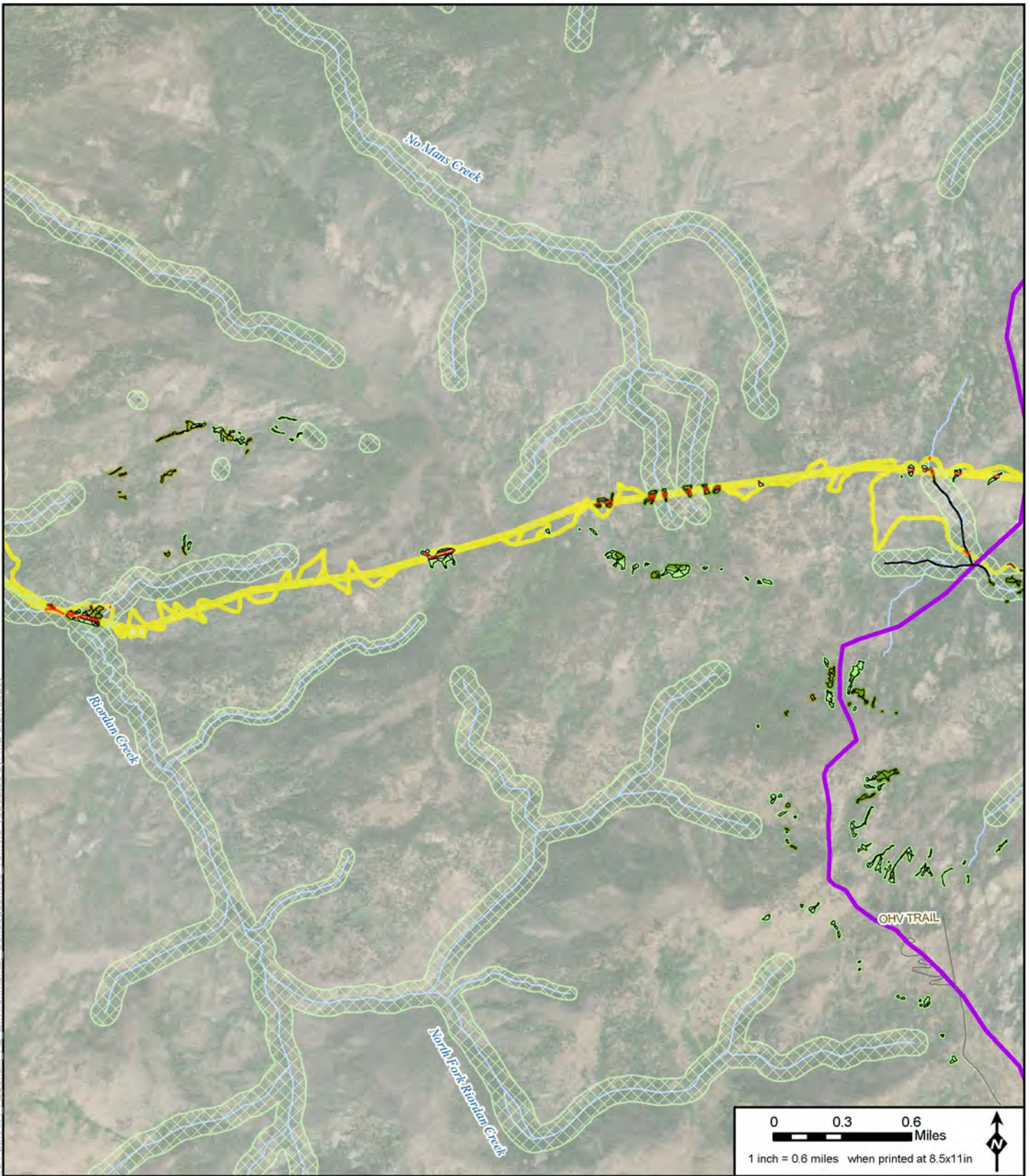
Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

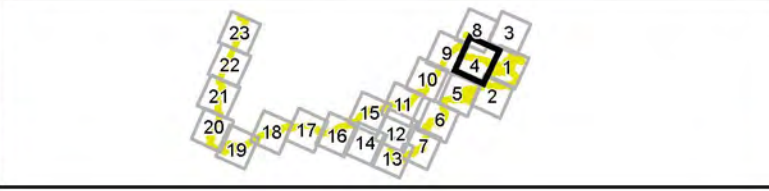



Appendix:
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- Legend**
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|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 4 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |
- * Project Components are associated with Alternative 4
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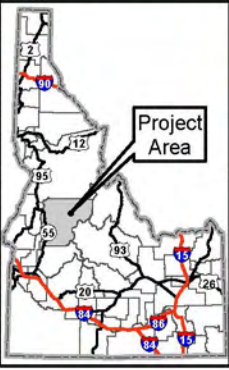
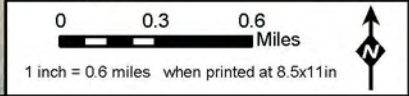
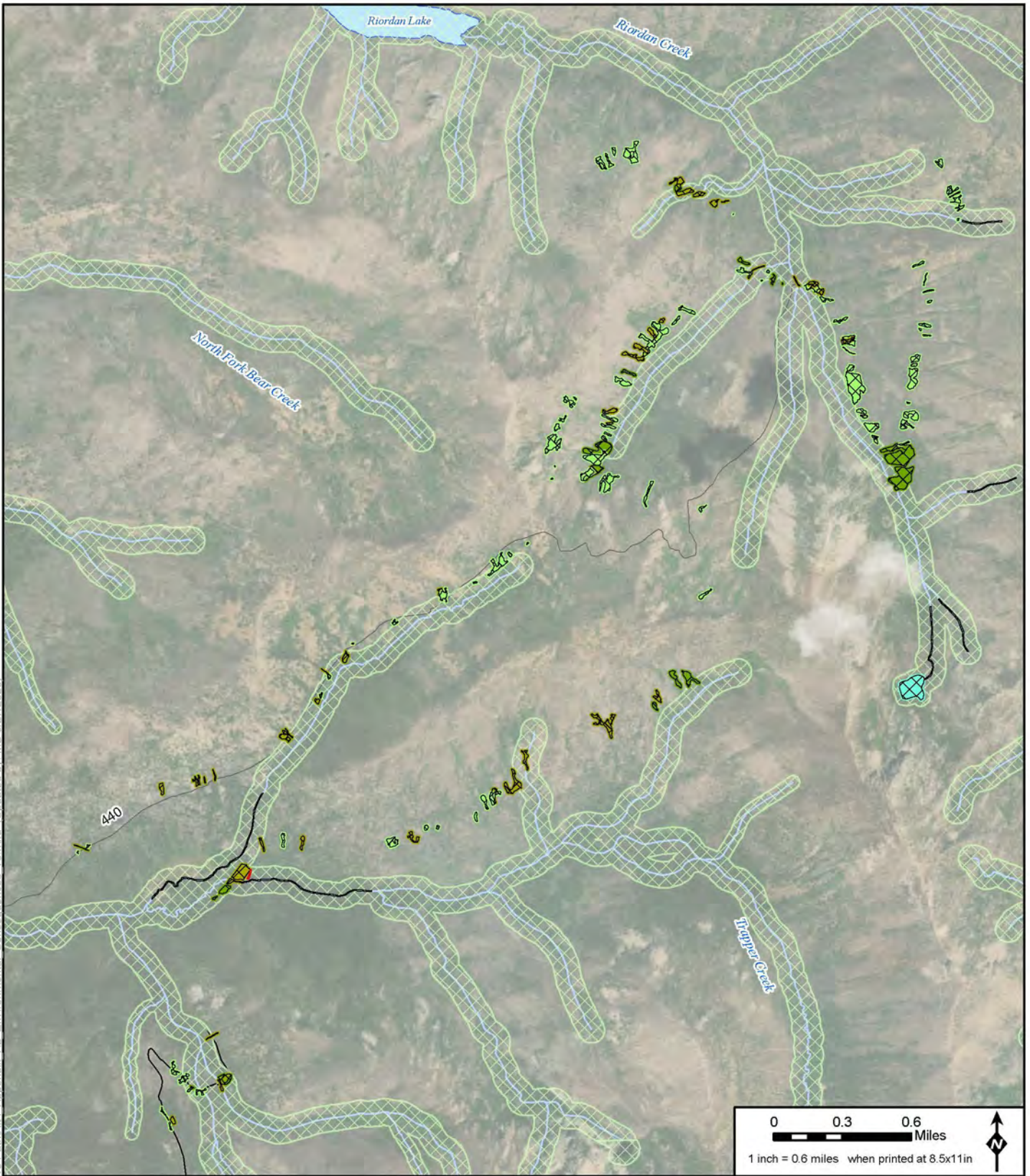


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

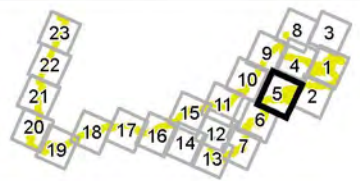



Appendix:
 A2-Page 4
 Map Date:
 5/28/2020



- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 4 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Access Road
 - Road
 - Stream/River
 - Lake/Reservoir

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

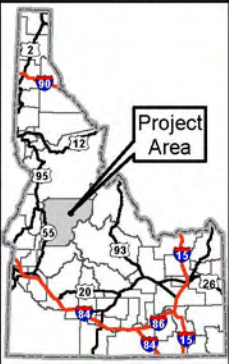
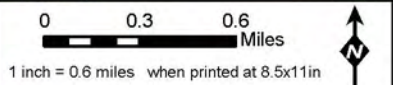
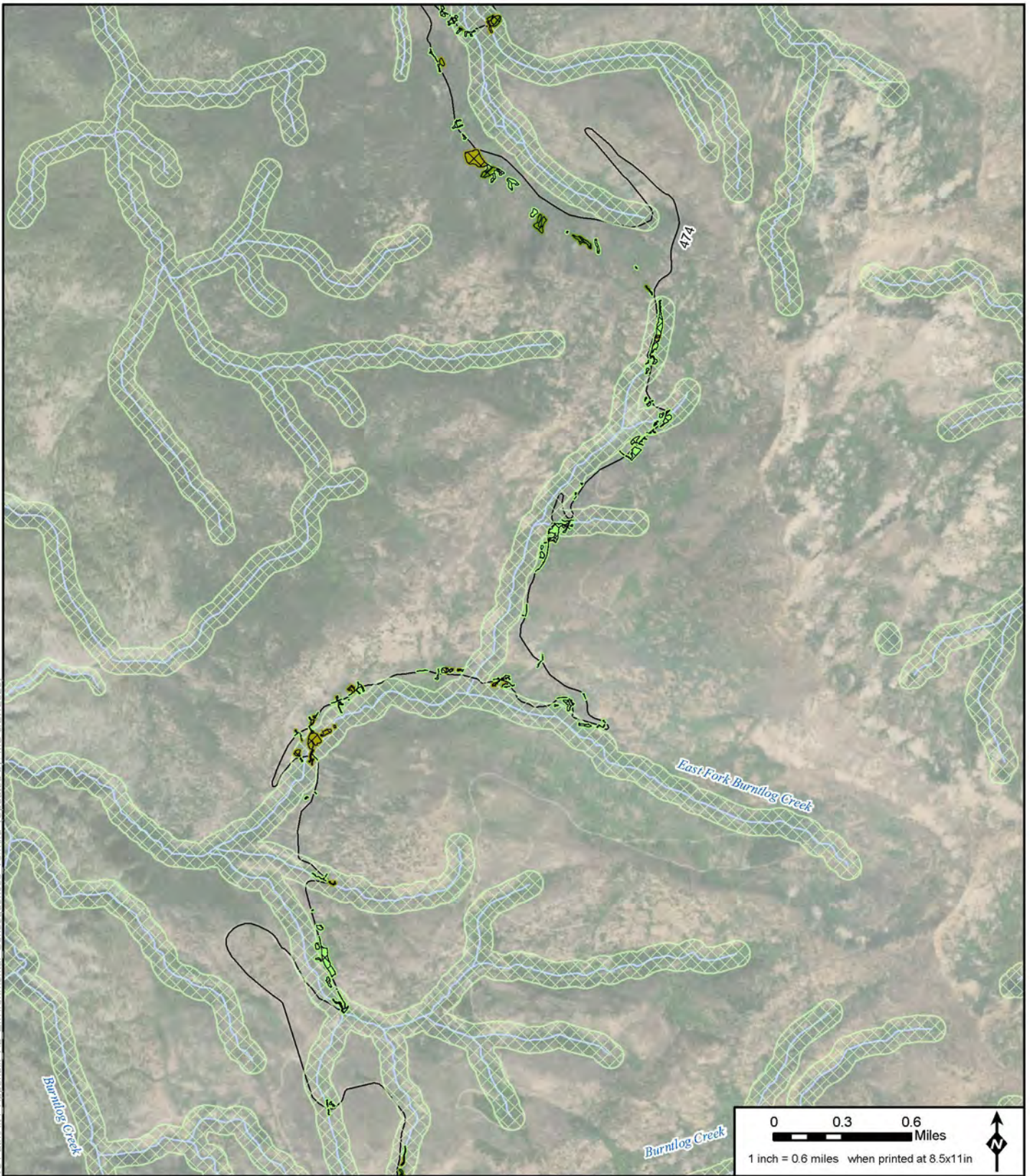


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

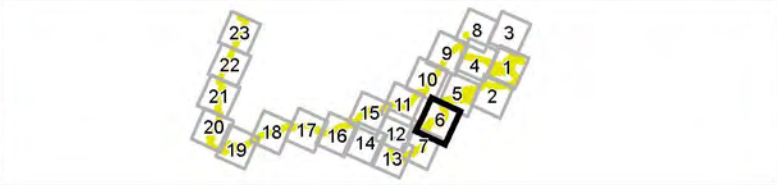



Appendix:
 A2-Page 5
 Map Date:
 5/28/2020




Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Stream/River
Railroad	Lake/Reservoir
Highway	Access Road
Road	

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



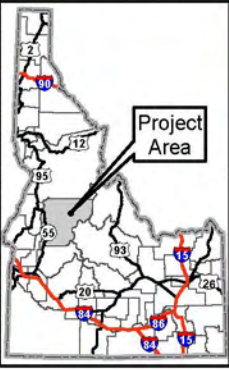
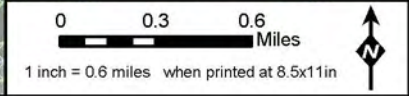
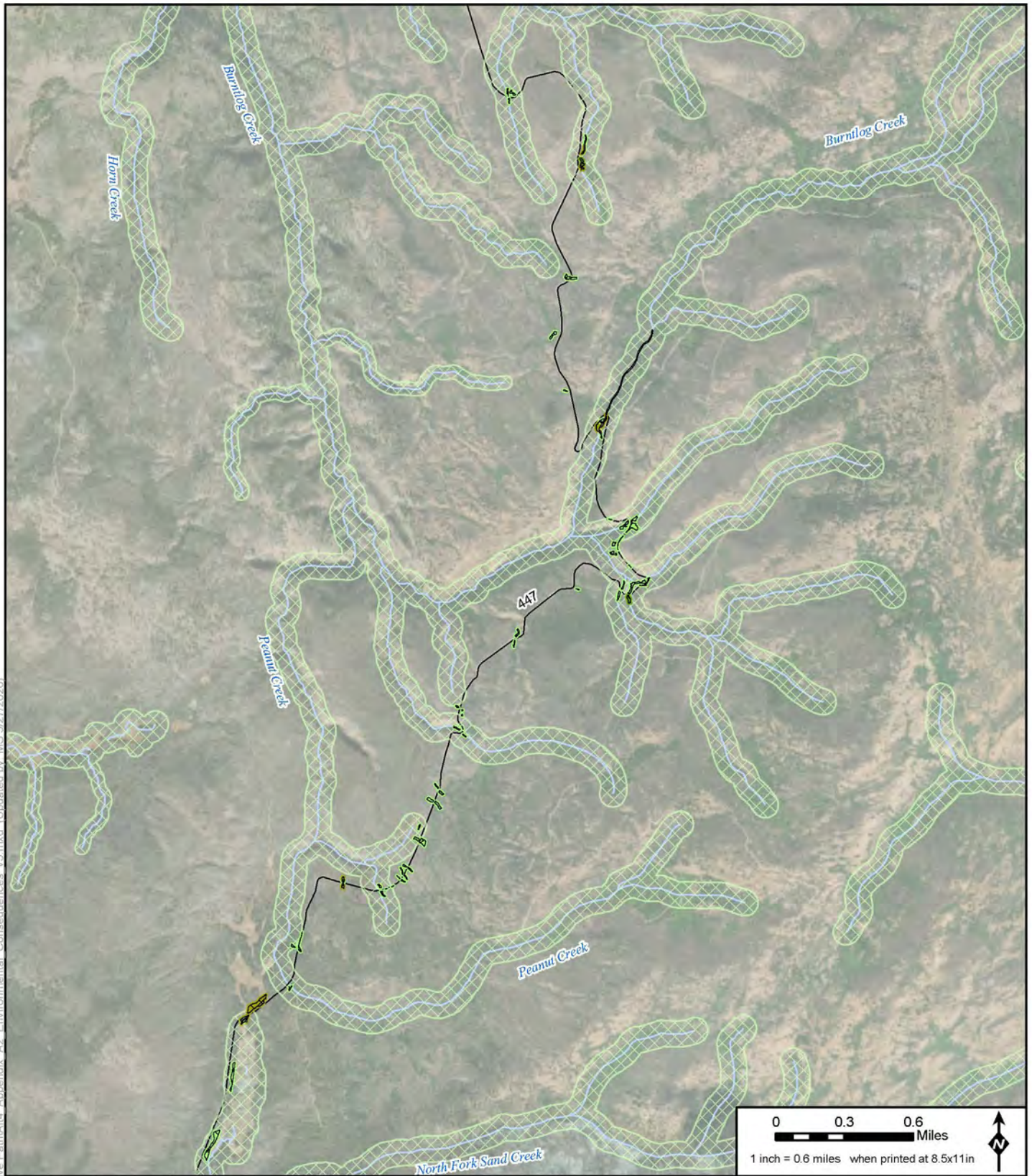
**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

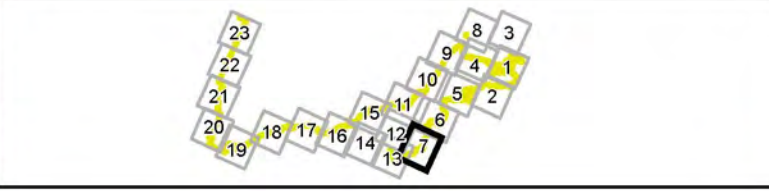



Appendix:
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- Legend**
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|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 4 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |
- * Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

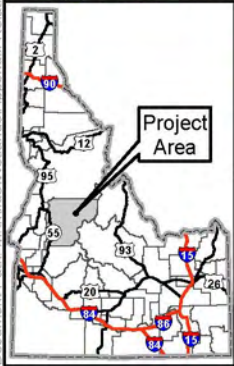
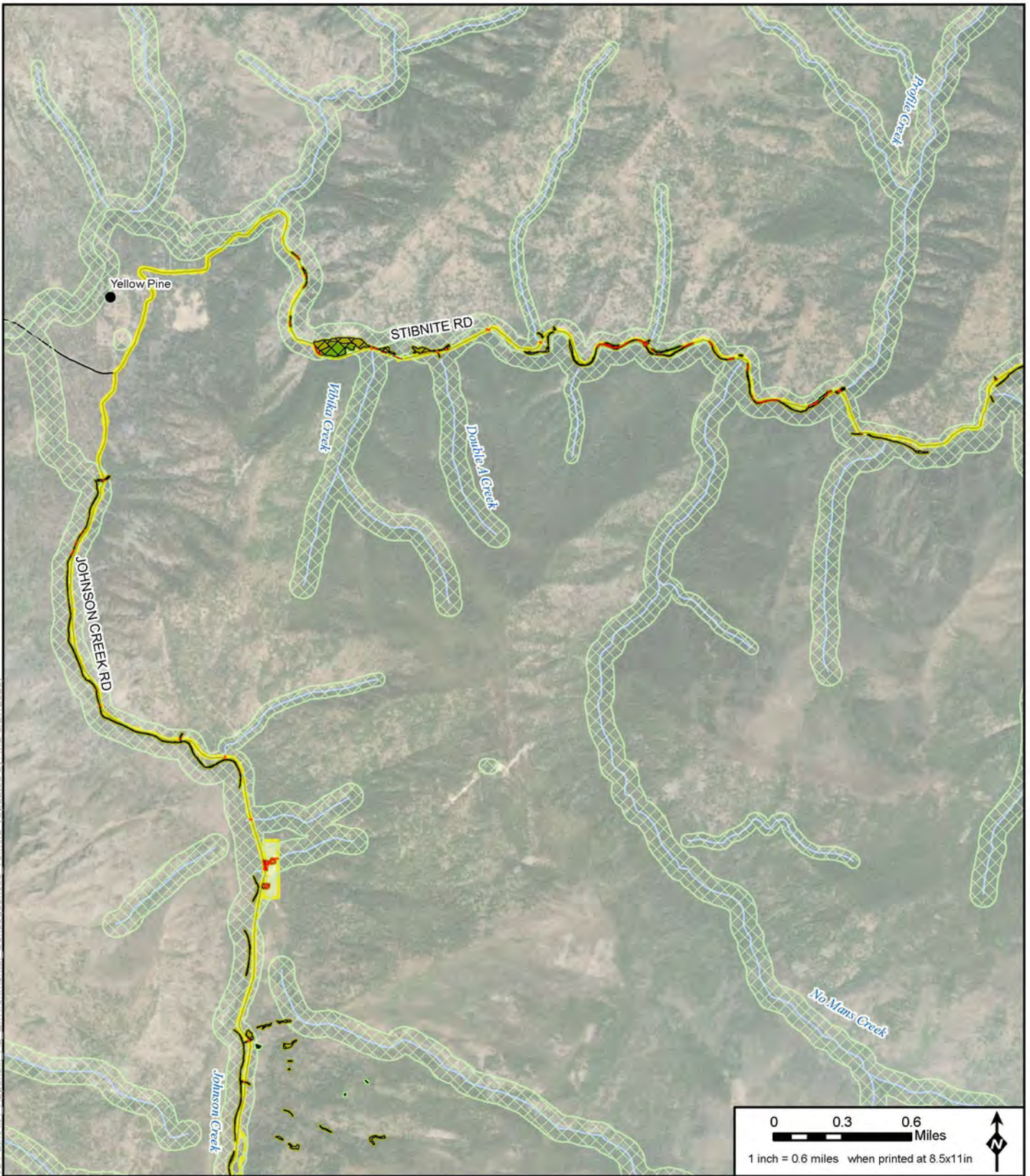


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
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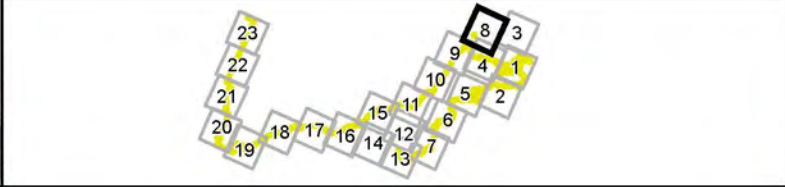

Appendix:
 A2-Page 7
 Map Date:
 5/28/2020



Legend



Wetland Analysis Area at Mine Site	Riparian Conservation Area	Forested	Stream/River
Alternative 4 Project Disturbance Area	Wetland Type	Railroad	Lake/Reservoir
Impacted Wetland/Stream	Open Water	Highway	
Avoided Wetland	Emergent	Access Road	
	Scrub-Shrub	Road	

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

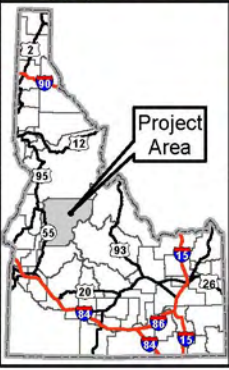
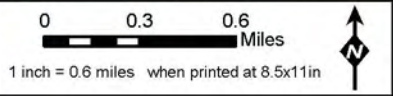
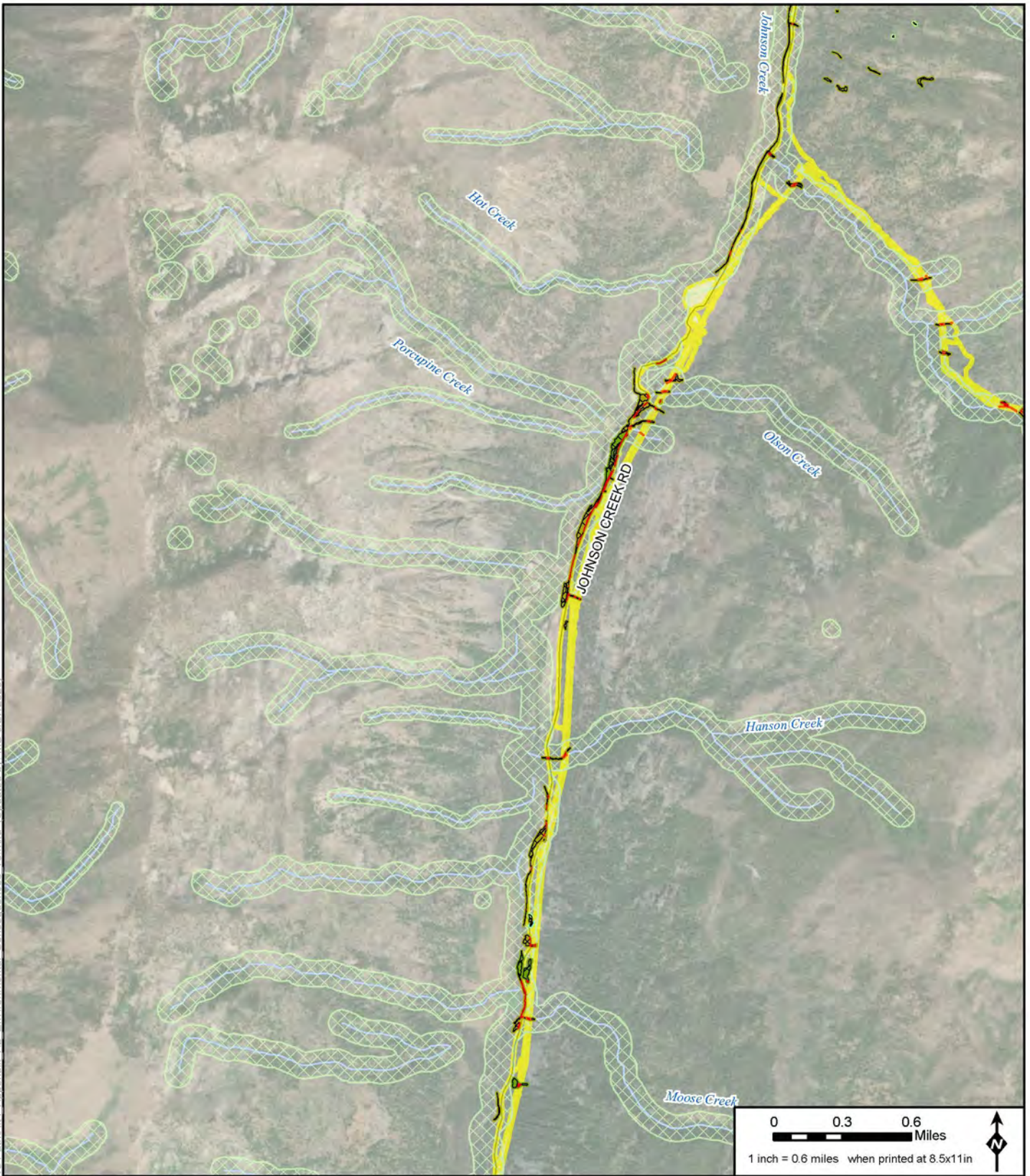


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

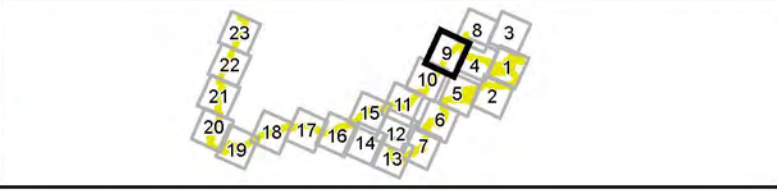



Appendix:
 A2-Page 8
 Map Date:
 5/28/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



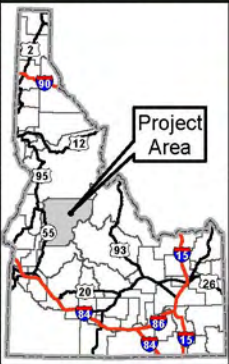
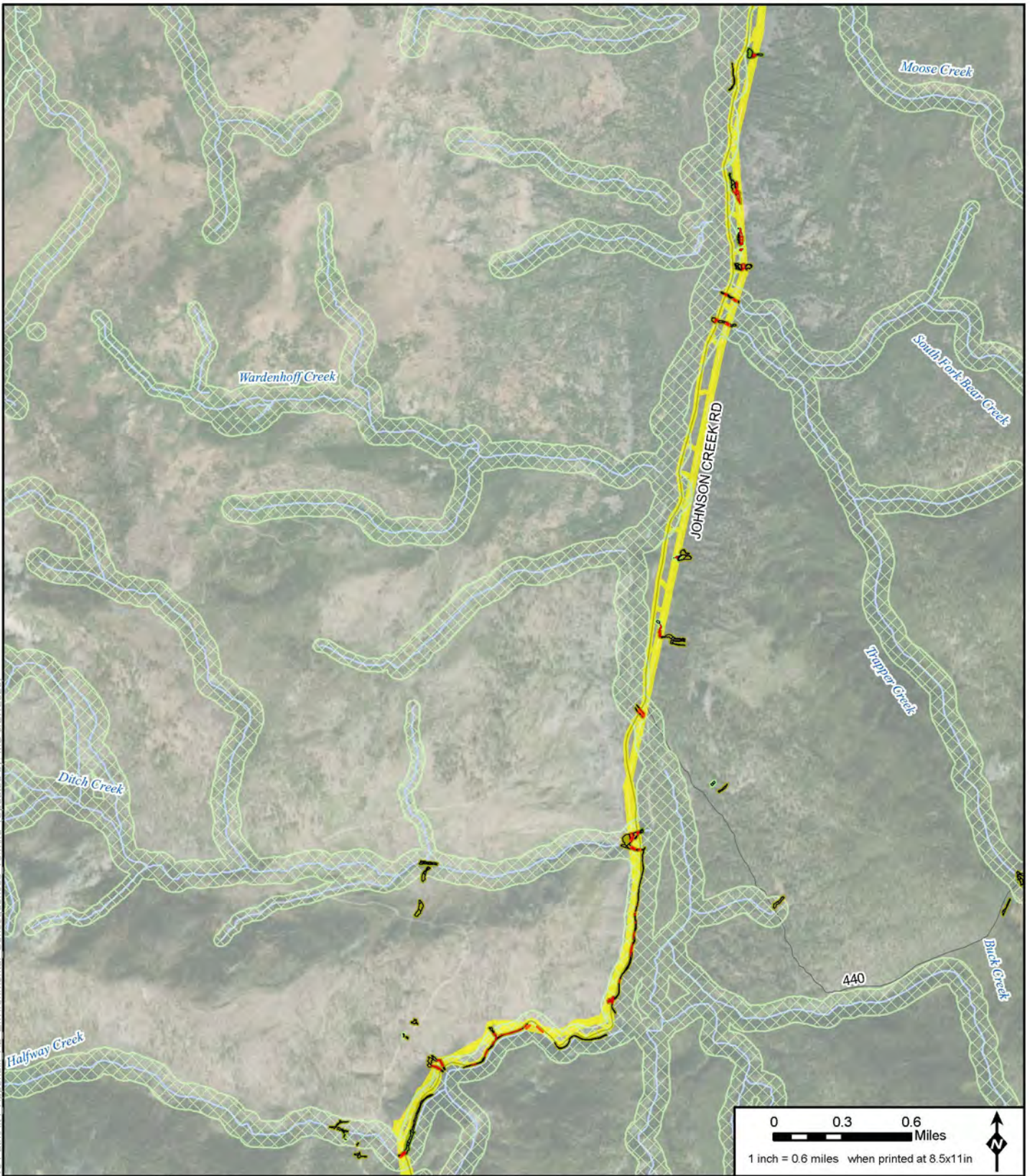
Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

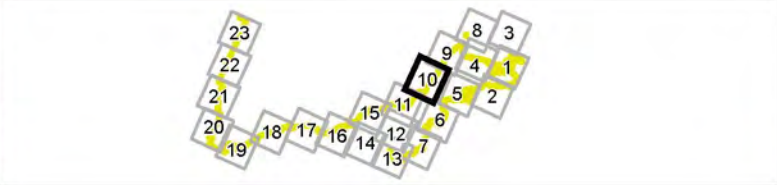



Appendix:
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 Map Date:
 5/28/2020

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Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road



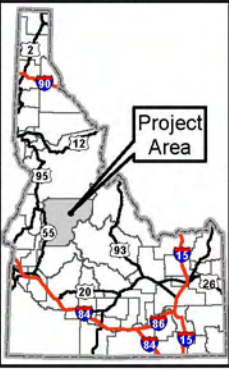
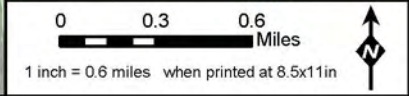
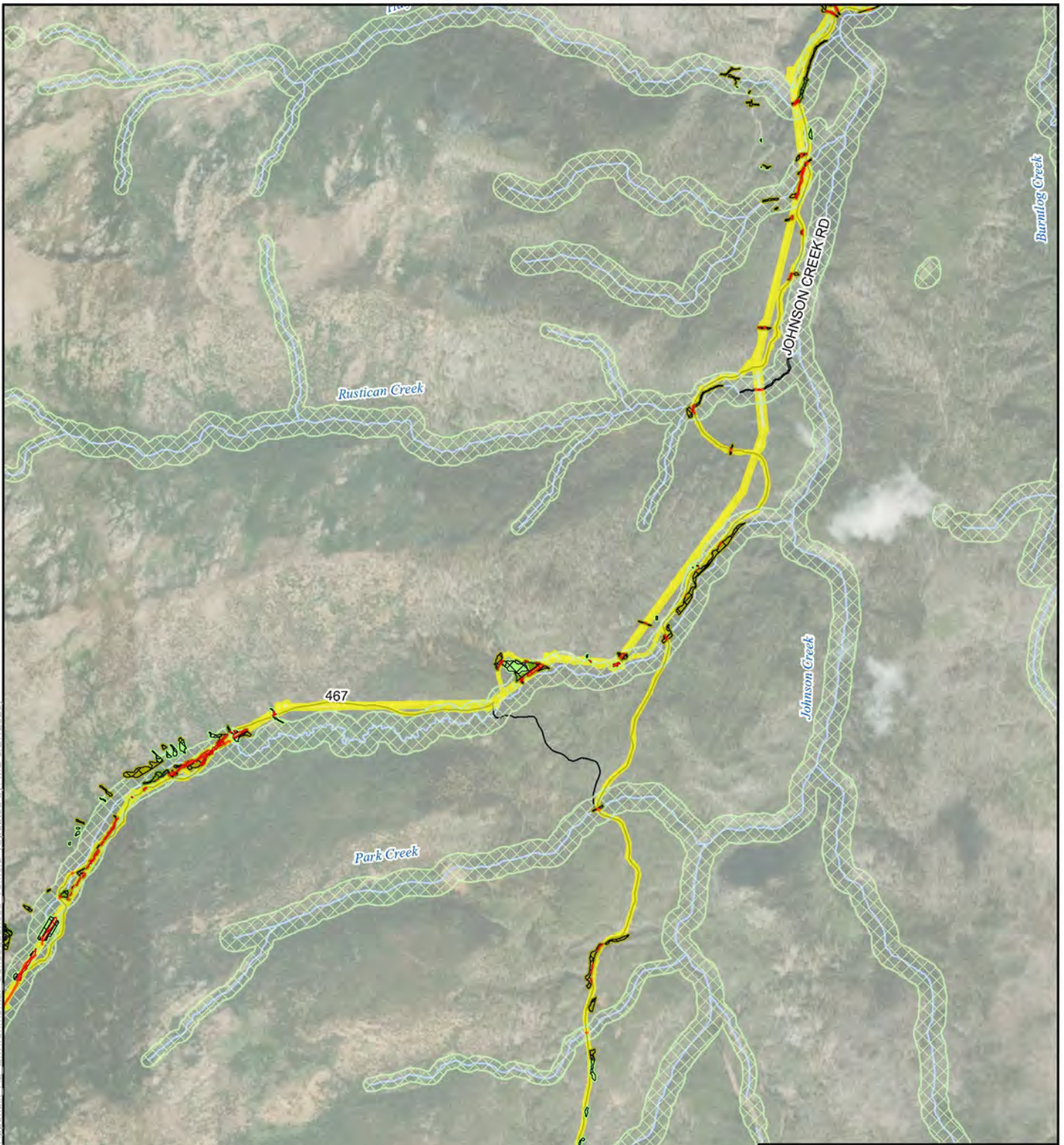
**Environmental Consequences
Alternative 4
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 4
Note: Not all features are visible on this map page

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

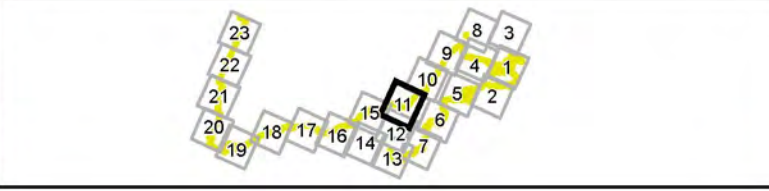



Appendix:
A2-Page 10
Map Date:
5/28/2020



Legend	
	Wetland Analysis Area at Mine Site
	Alternative 4 Project Disturbance Area
	Impacted Wetland/Stream
	Avoided Wetland
	Riparian Conservation Area
	Open Water
	Emergent
	Scrub-Shrub
	Forested
	Railroad
	Highway
	Access Road
	Road
	Stream/River
	Lake/Reservoir

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

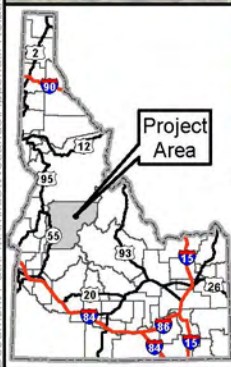
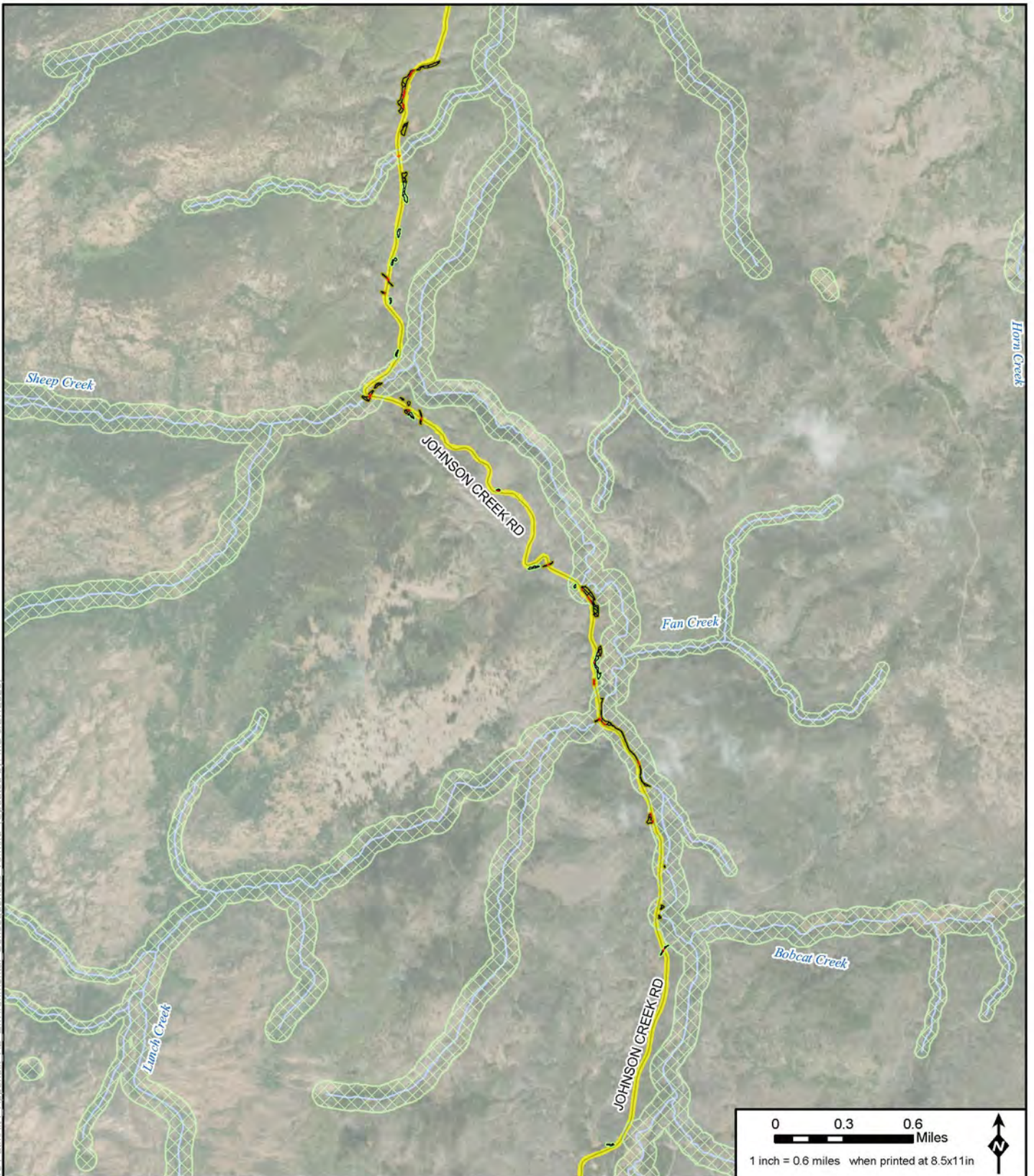


Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



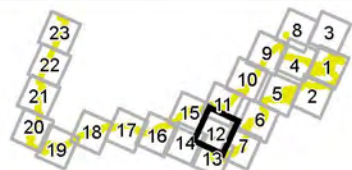

Appendix:
 A2-Page 11
 Map Date:
 5/28/2020



Legend



- | | | | |
|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 4 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

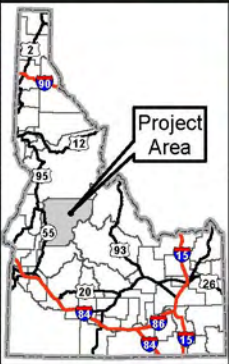
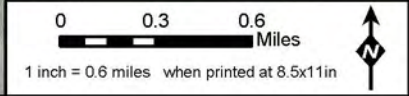


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 12
 Map Date:
 5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



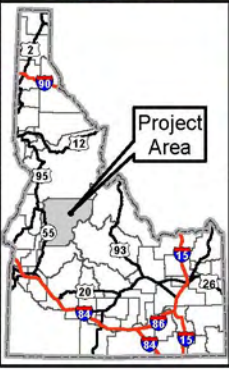
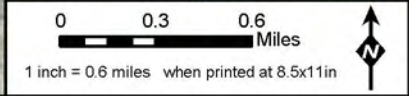
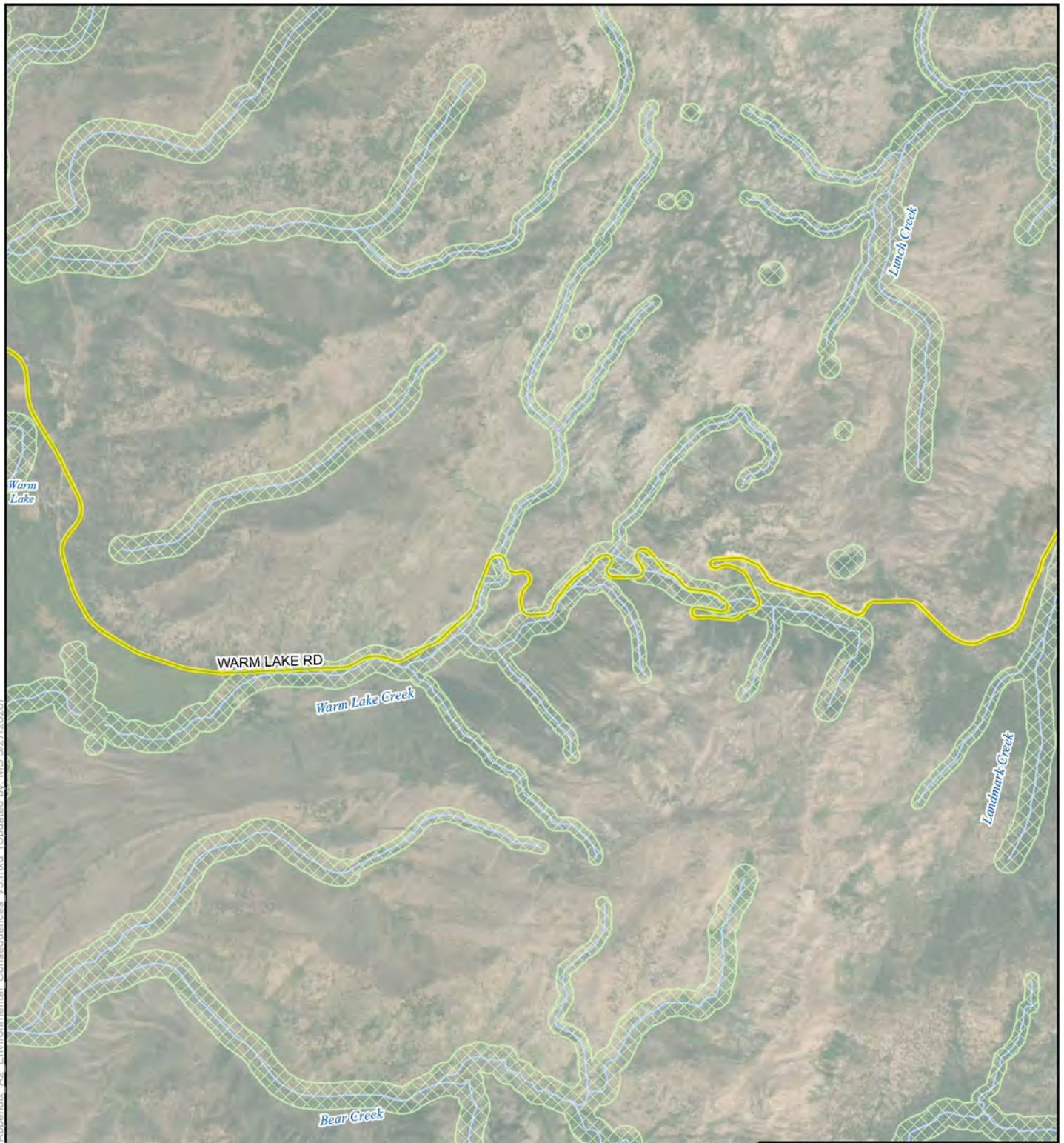
Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 13
 Map Date:
 5/28/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A114 Appendix A2 Environmental Consequences v5.mxd (Updated by MS 5/27/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Railroad
Highway	Stream/River
Access Road	Lake/Reservoir
Road	

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



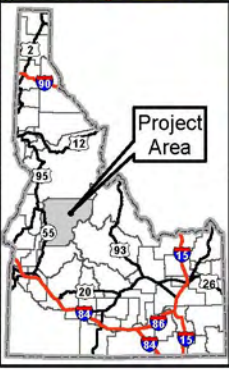
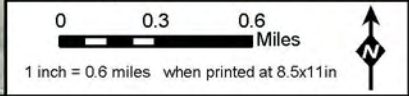
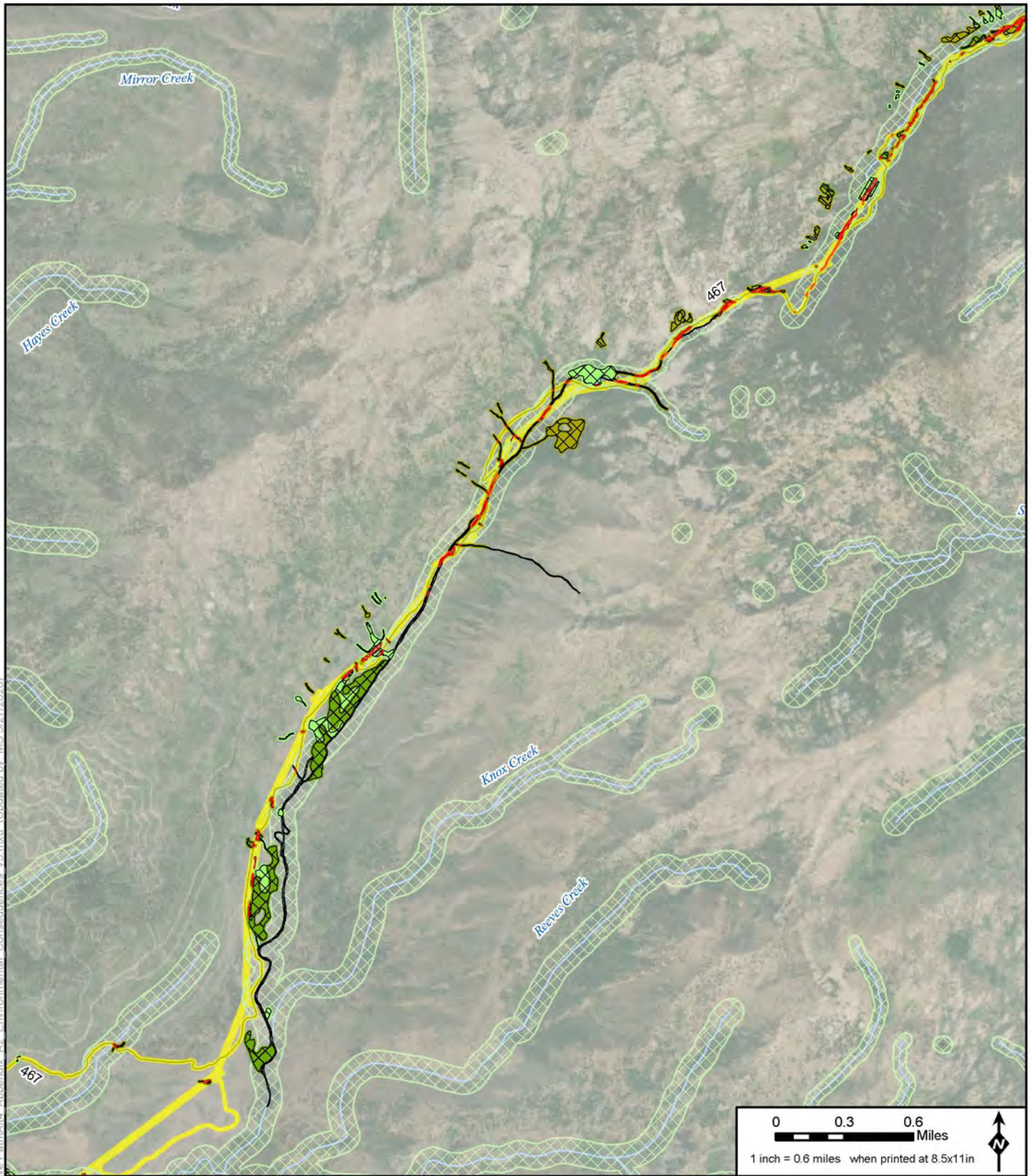
Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



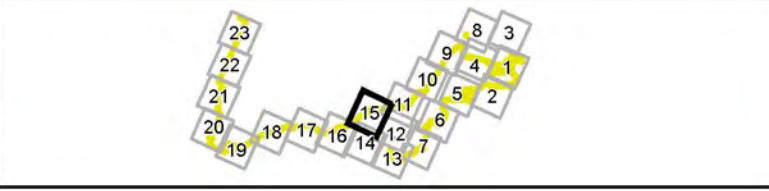

Appendix:
 A2-Page 14
 Map Date:
 5/28/2020

Document Path: M:\wms\Wetlands\Appendix-Relative-Path\A14-Appendix A2-Environmental-Consequences_v5.mxd (Updated by MS 5/27/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



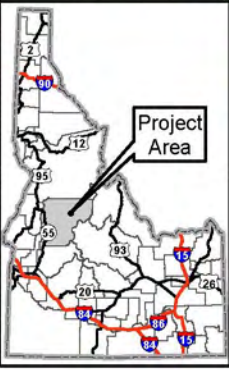
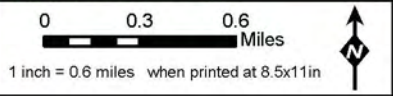
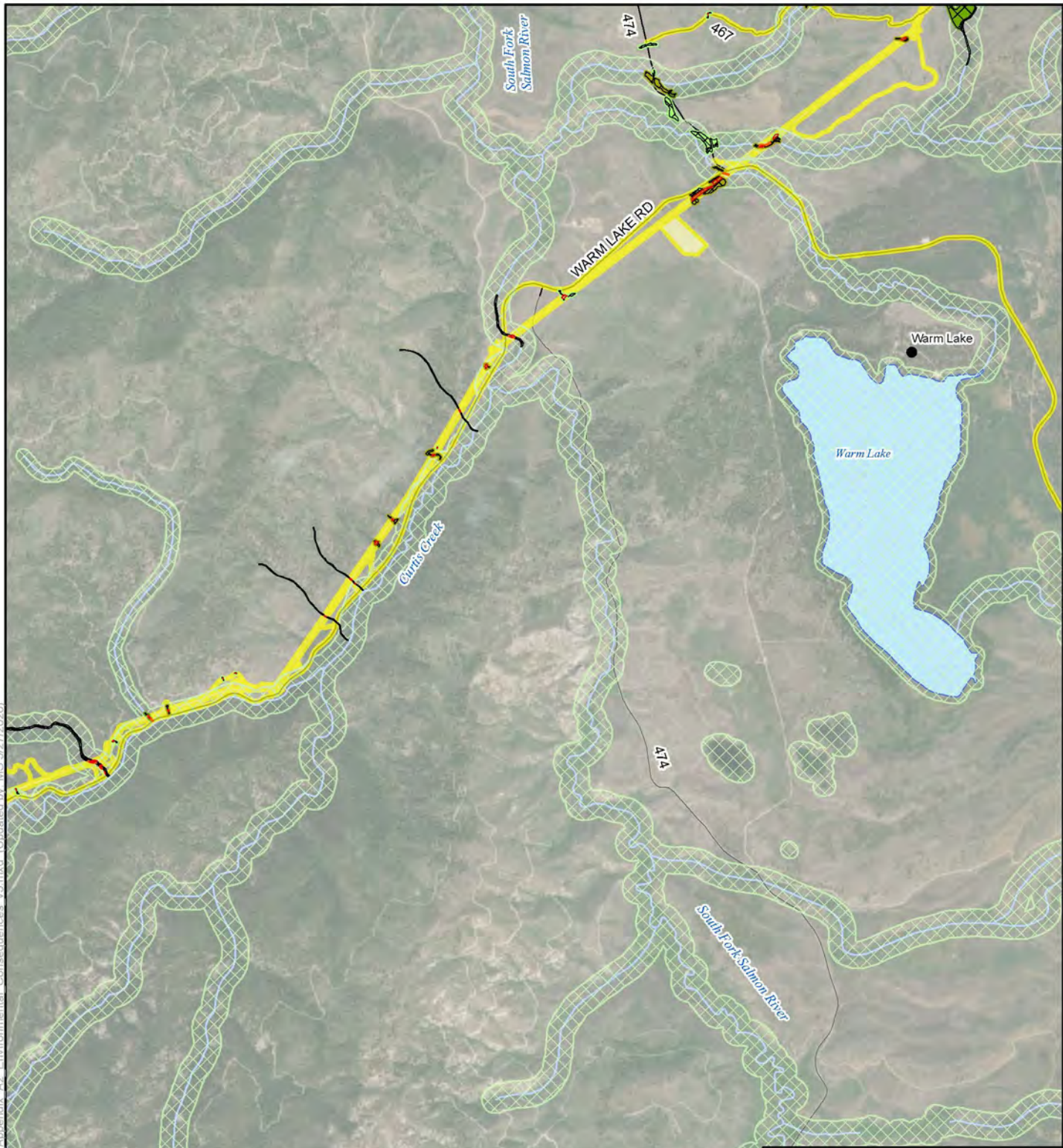
Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

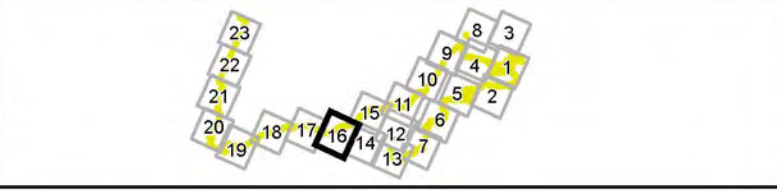


Appendix:
 A2-Page 15
 Map Date:
 5/28/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A14 - Appendix A2 - Environmental Consequences v5.mxd (Updated by MS 5/27/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
Open Water	Railroad
Emergent	Highway
Scrub-Shrub	Access Road
	Road



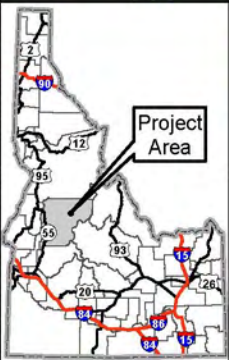
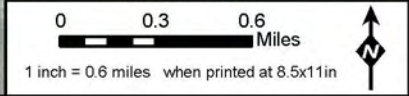
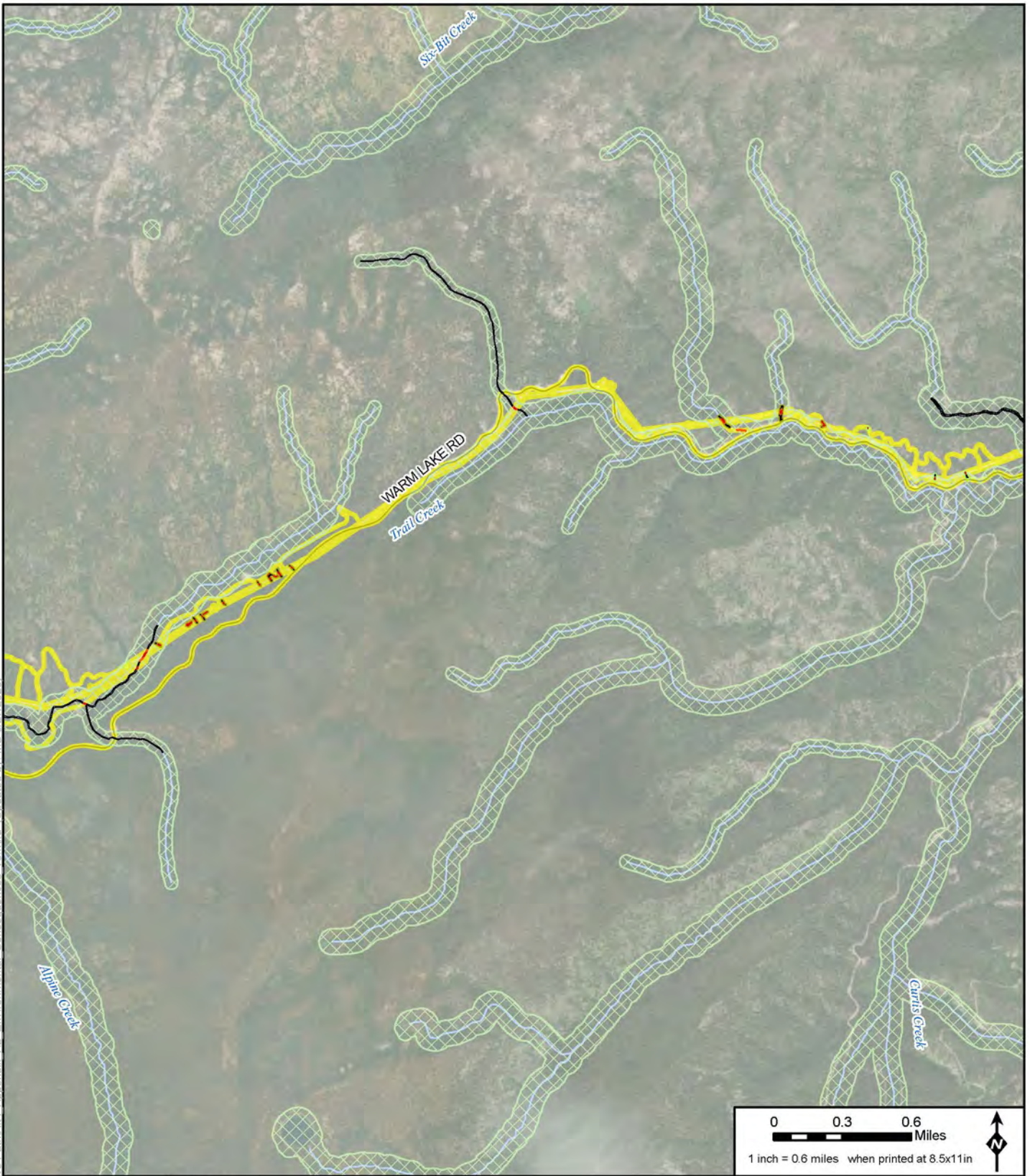
Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



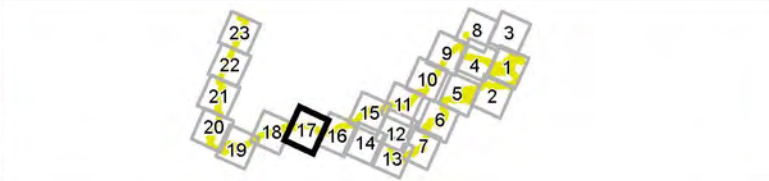
Appendix:
A2-Page 16
Map Date:
5/28/2020

Document Path: M:\mxd\Wetlands\Appendix Relative Path\A114 Appendix A2 Environmental Consequences v5.mxd (Updated by MS 5/27/2020)



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Railroad
Highway	Highway
Access Road	Stream/River
Road	Lake/Reservoir

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

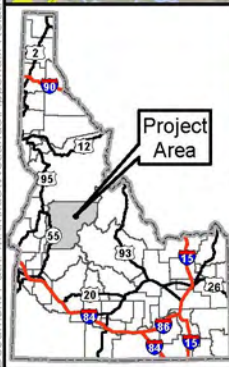
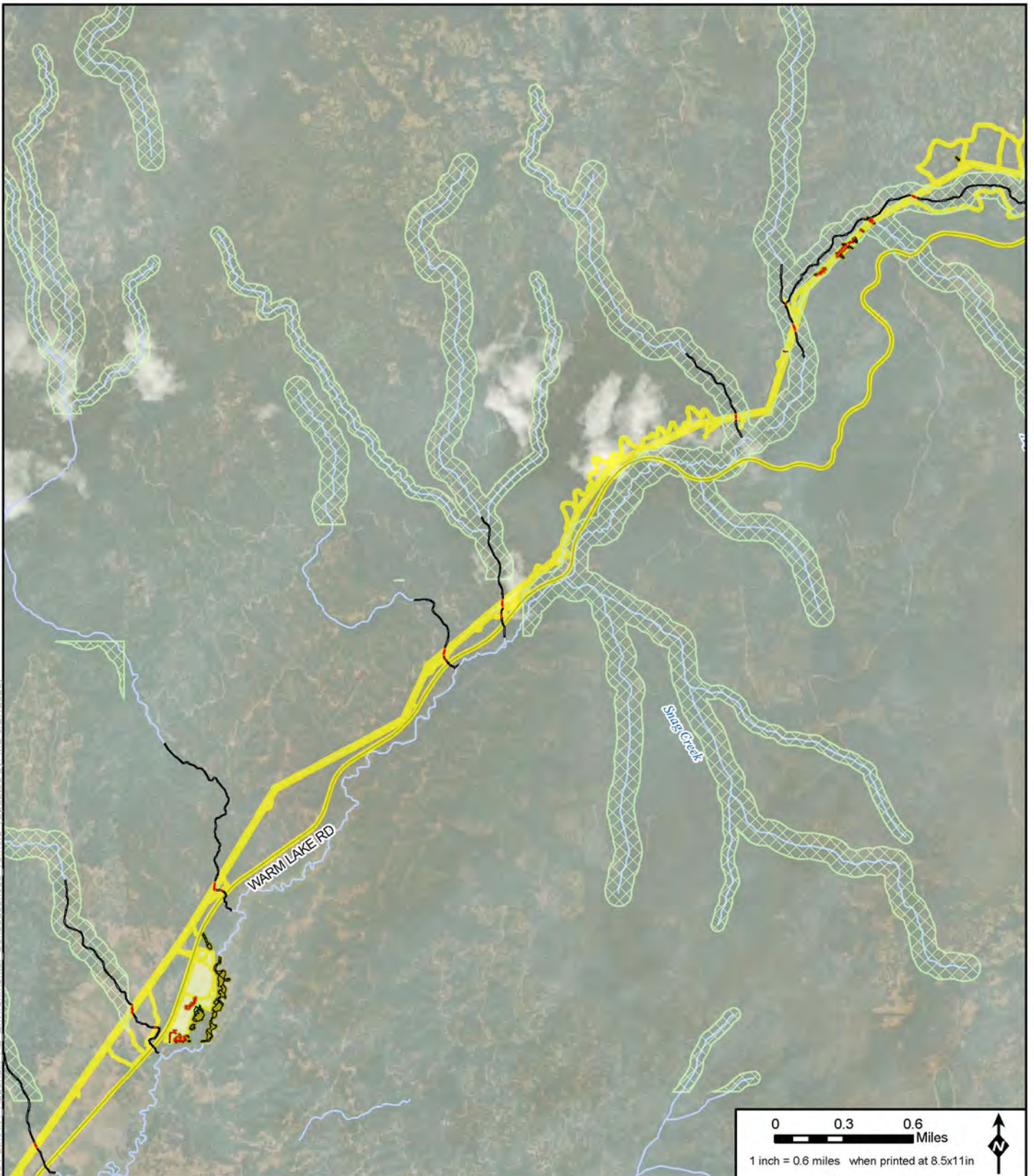


Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

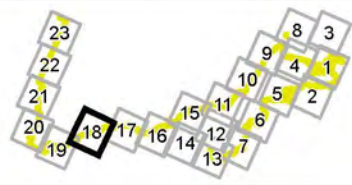
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



Appendix:
 A2-Page 17
 Map Date:
 5/28/2020



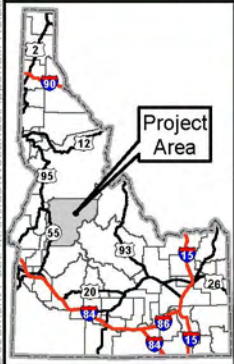
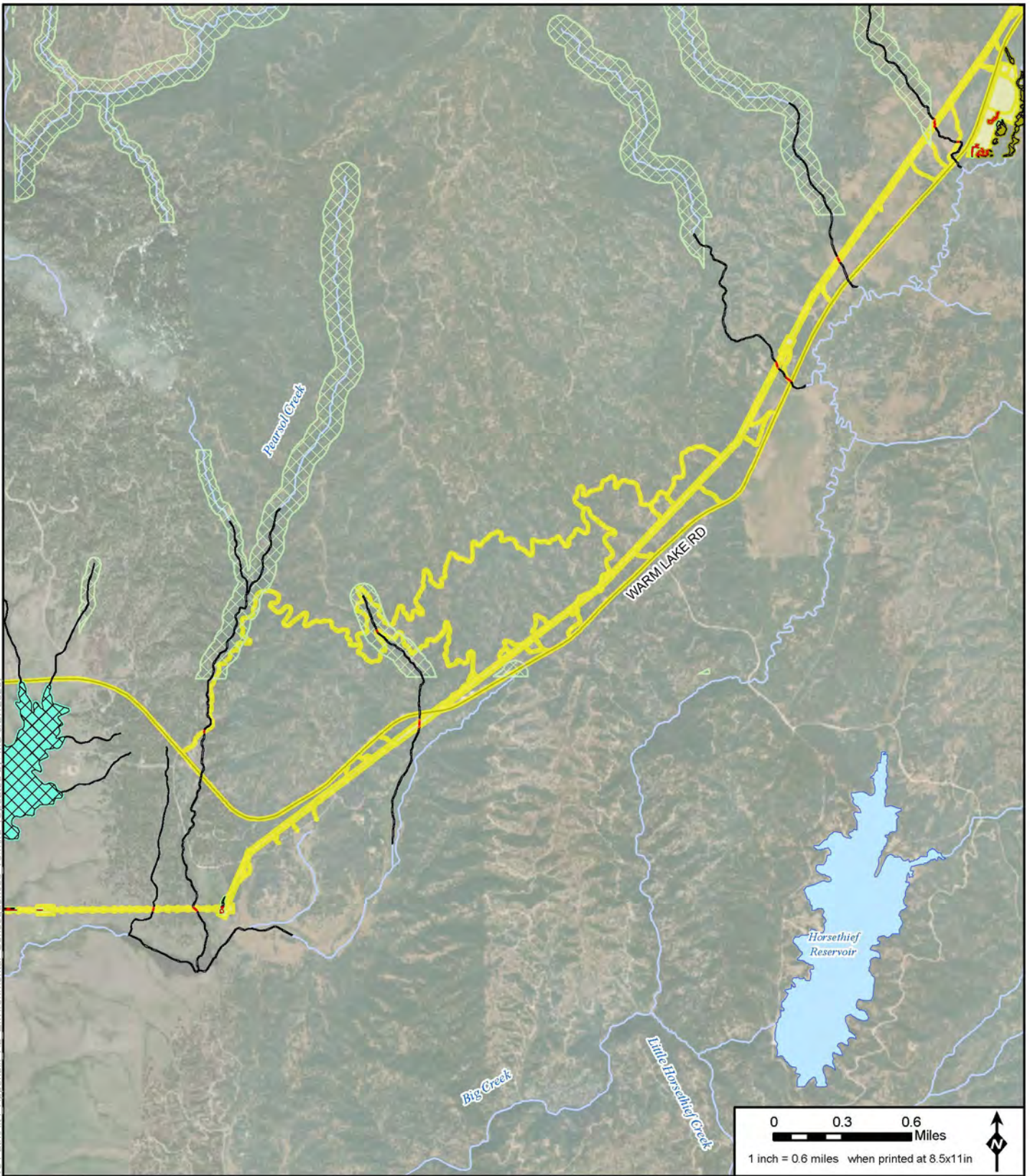
- Legend**
- Wetland Analysis Area at Mine Site
 - Alternative 4 Project Disturbance Area
 - Impacted Wetland/Stream
 - Avoided Wetland
 - Riparian Conservation Area
 - Wetland Type**
 - Open Water
 - Emergent
 - Scrub-Shrub
 - Forested
 - Railroad
 - Highway
 - Access Road
 - Road
 - Stream/River
 - Lake/Reservoir
- * Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page



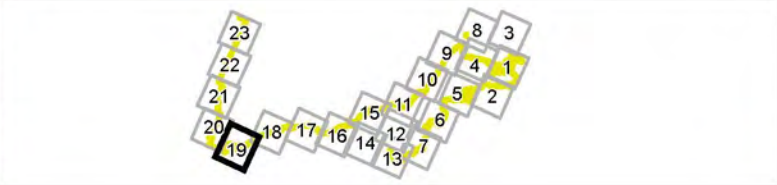
**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
 A2-Page 18
 Map Date:
 5/28/2020





Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Forested
Impacted Wetland/Stream	Stream/River
Avoided Wetland	Lake/Reservoir
	Wetland Type
	Open Water
	Emergent
	Scrub-Shrub
	Railroad
	Highway
	Access Road
	Road

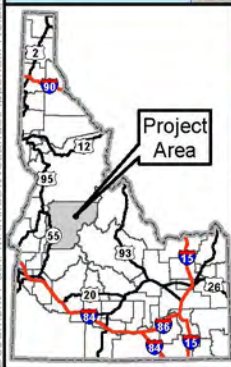
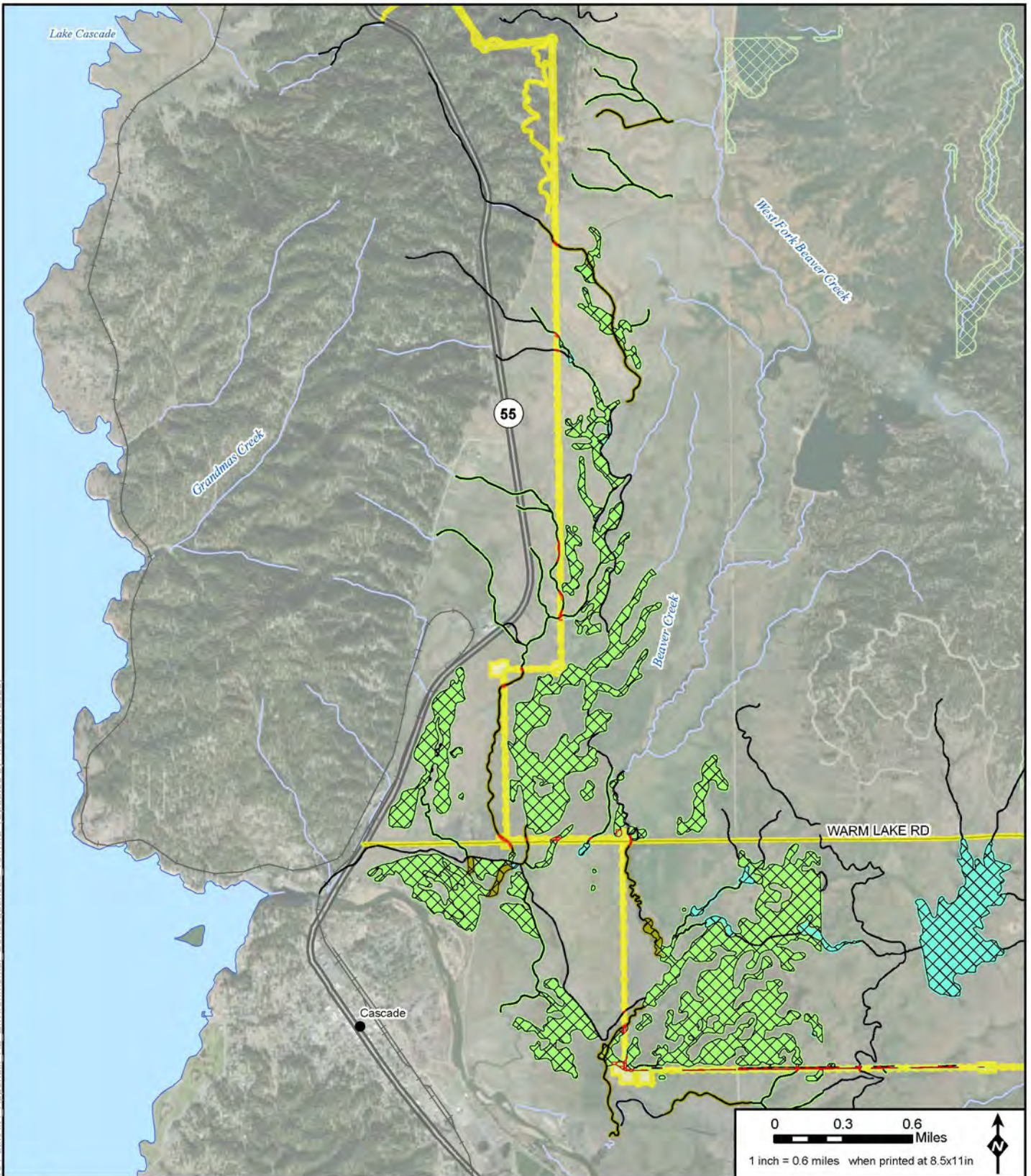


Environmental Consequences Alternative 4 Stibnite Gold Project Stibnite, ID

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

Appendix:
A2-Page 19
Map Date:
5/28/2020



Legend

- | | | | |
|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 4 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |
- * Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

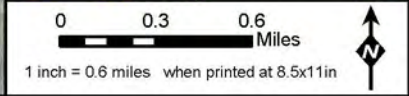
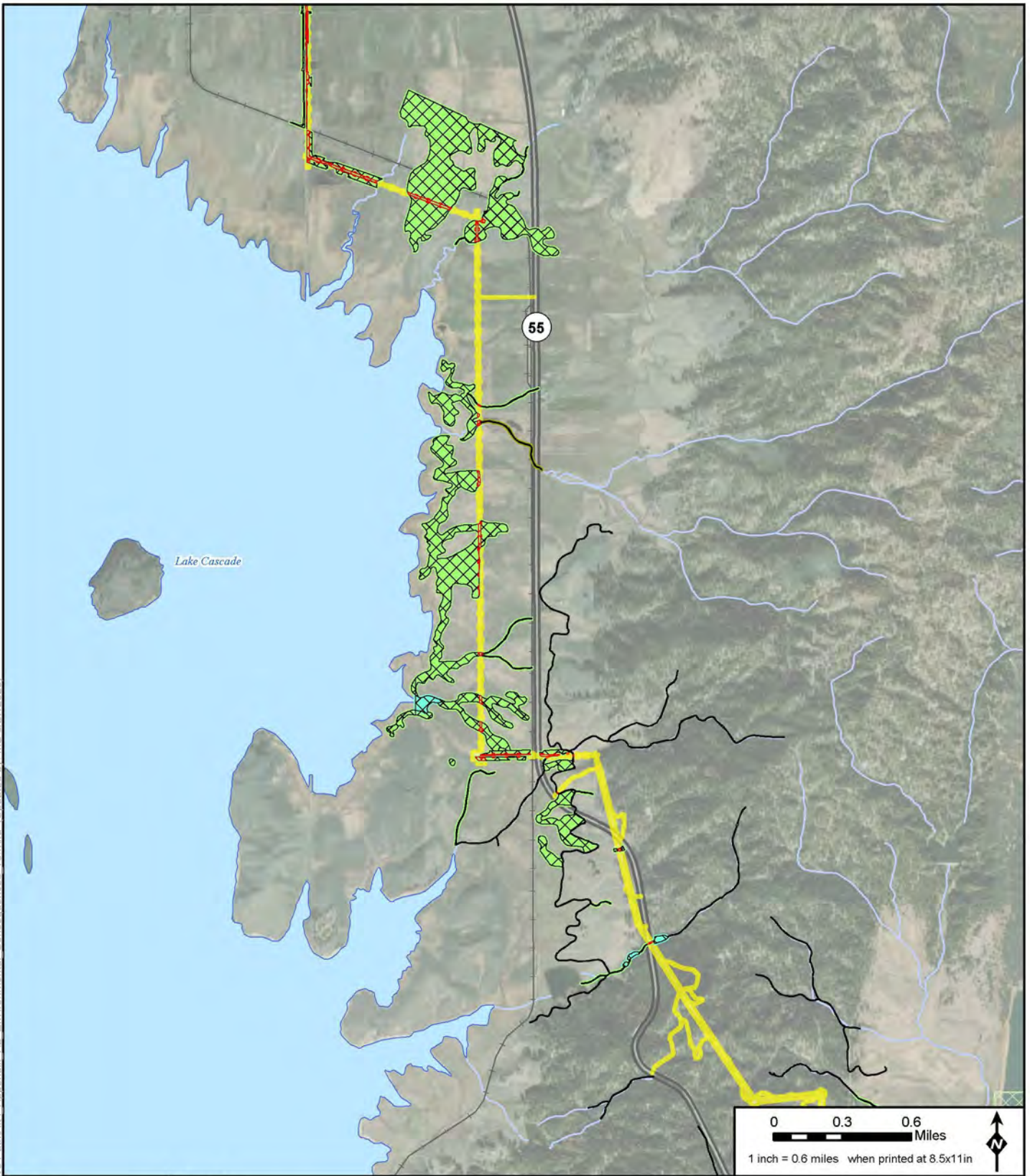


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold

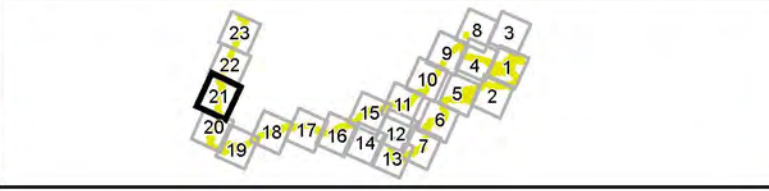


Appendix:
 A2-Page 20
 Map Date:
 5/28/2020



Legend	
	Wetland Analysis Area at Mine Site
	Alternative 4 Project Disturbance Area
	Impacted Wetland/Stream
	Avoided Wetland
	Riparian Conservation Area
Wetland Type	
	Open Water
	Emergent
	Scrub-Shrub
	Forested
	Railroad
	Highway
	Access Road
	Road
	Stream/River
	Lake/Reservoir

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

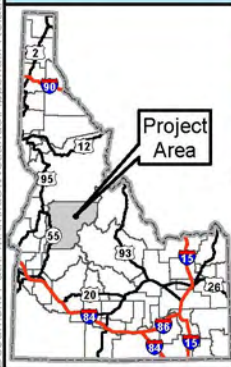
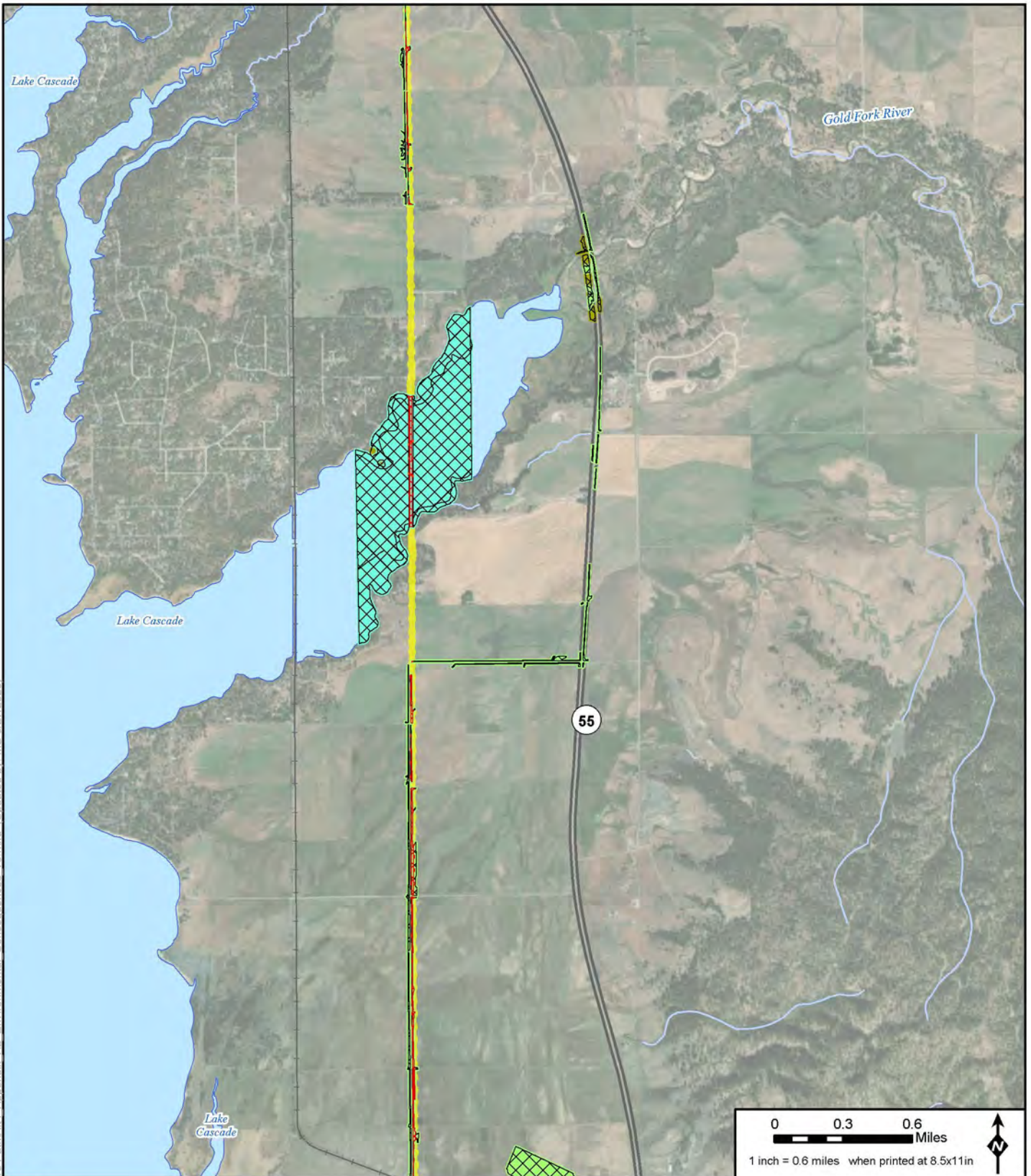


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



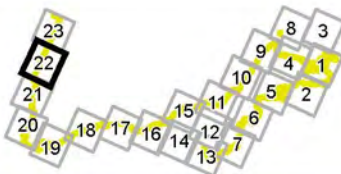

Appendix:
 A2-Page 21
 Map Date:
 5/28/2020



Legend

- | | | | |
|--|----------------------------|-------------|----------------|
| Wetland Analysis Area at Mine Site | Riparian Conservation Area | Forested | Stream/River |
| Alternative 4 Project Disturbance Area | Wetland Type | Railroad | Lake/Reservoir |
| Impacted Wetland/Stream | Open Water | Highway | |
| Avoided Wetland | Emergent | Access Road | |
| | Scrub-Shrub | Road | |

* Project Components are associated with Alternative 4
 Note: Not all features are visible on this map page

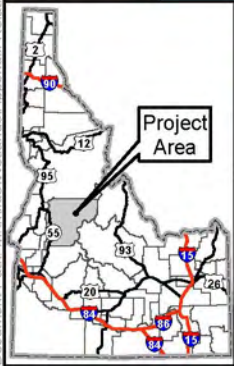
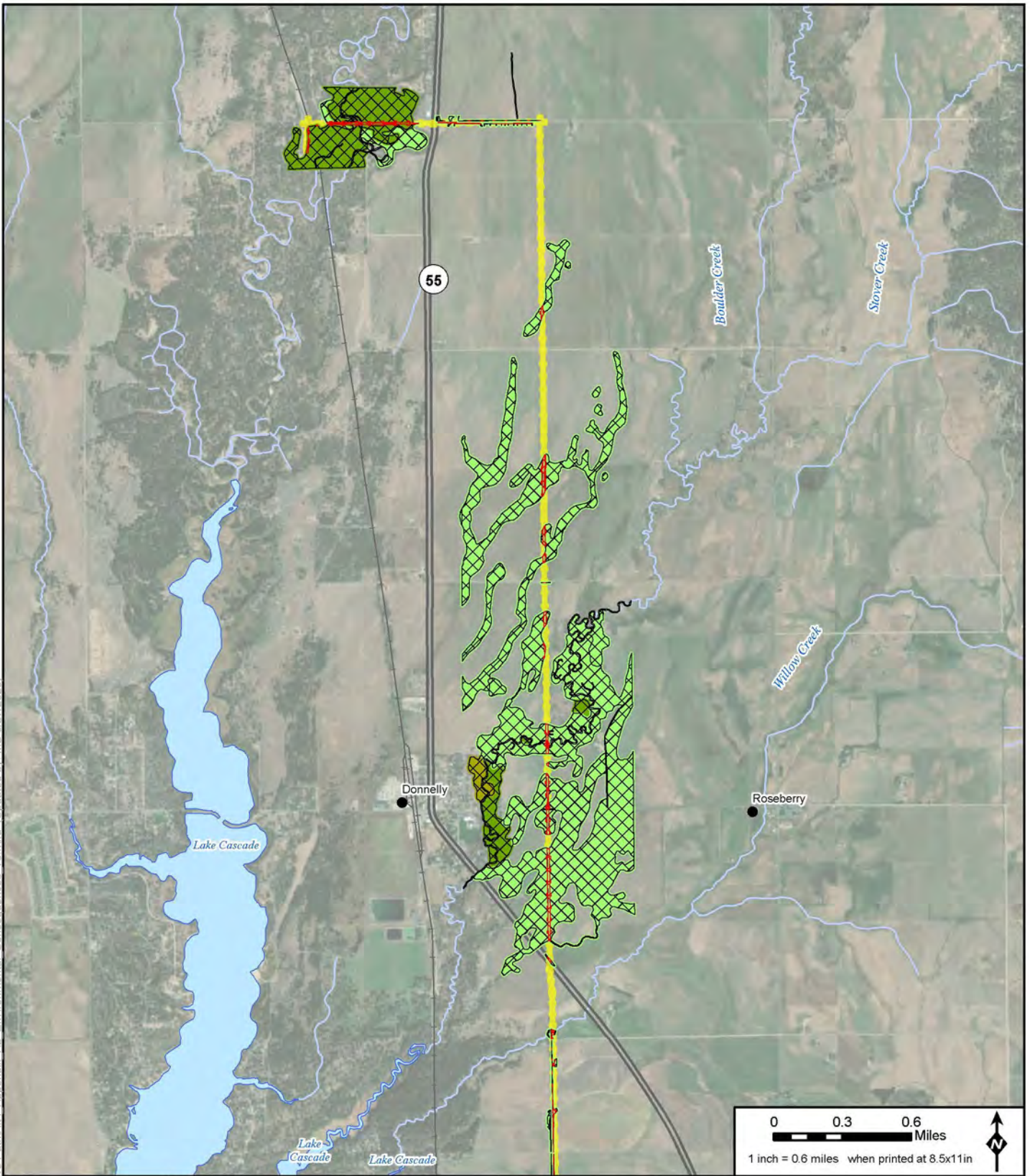


**Environmental Consequences
 Alternative 4
 Stibnite Gold Project
 Stibnite, ID**

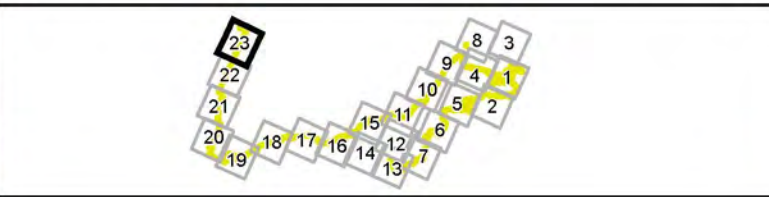
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 Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold



Appendix:
 A2-Page 22
 Map Date:
 5/28/2020



Legend	
Wetland Analysis Area at Mine Site	Riparian Conservation Area
Alternative 4 Project Disturbance Area	Open Water
Impacted Wetland/Stream	Emergent
Avoided Wetland	Scrub-Shrub
Forested	Stream/River
Railroad	Lake/Reservoir
Highway	Access Road
Road	



**Environmental Consequences
Alternative 4
Stibnite Gold Project
Stibnite, ID**

* Project Components are associated with Alternative 4
Note: Not all features are visible on this map page

Base Layer: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community
Other Data Sources: State of Idaho Geospatial Gateway (INSIDE Idaho); Boise National Forest; Payette National Forest; Midas Gold




Appendix:
A2-Page 23
Map Date:
5/28/2020

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