

Preference Sets for MIRA

| Primary Level | Region 3 | Region 4 | Region 5 | All Mine Impact | All Environmental Condition | Mine Impact and Mine Footprint | SAD, Stream Length and Conductivity | SAD and Conductivity |
|--------------------------------|----------|----------|----------|-----------------|-----------------------------|--------------------------------|-------------------------------------|----------------------|
| Environmental Condition | 0.350 | 0.400 | 0.400 | 0.000 | 1.000 | 0.150 | 0.150 | 0.150 |
| Mine Impacts | 0.650 | 0.600 | 0.600 | 1.000 | 0.000 | 0.850 | 0.850 | 0.850 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Environmental Condition | | | | | | | | |
| Most Disturbed Areas | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Least Disturbed Areas | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Impacts | | | | | | | | |
| PEOPLE | 0.200 | 0.200 | 0.100 | 0.200 | 0.200 | 0.000 | 0.050 | 0.000 |
| Mine Footprint | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 1.000 | 0.850 | 1.000 |
| Mine Mitigation | 0.100 | 0.100 | 0.200 | 0.100 | 0.100 | 0.000 | 0.100 | 0.000 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Most Disturbed Areas | | | | | | | | |
| Streams-MD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Watershed Land Cover-MD | 0.250 | 0.300 | 0.250 | 0.300 | 0.300 | 0.250 | 0.250 | 0.250 |
| Species-MD | 0.250 | 0.200 | 0.250 | 0.200 | 0.200 | 0.250 | 0.250 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Least Disturbed Areas | | | | | | | | |
| Streams-LD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Watershed Land Cover-LD | 0.250 | 0.300 | 0.250 | 0.300 | 0.300 | 0.250 | 0.250 | 0.250 |
| Species-LD | 0.250 | 0.200 | 0.250 | 0.200 | 0.200 | 0.250 | 0.250 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Footprint | | | | | | | | |
| Proposed Mine | 0.500 | 0.700 | 0.700 | 0.700 | 0.700 | 0.800 | 1.000 | 0.800 |
| ADD_ADD_MINES | 0.250 | 0.150 | 0.150 | 0.150 | 0.150 | 0.100 | 0.000 | 0.100 |
| Additional Proposed Mines | 0.250 | 0.150 | 0.150 | 0.150 | 0.150 | 0.100 | 0.000 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Mitigation | | | | | | | | |
| STRM_RATIO | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.800 | 0.800 | 0.800 |
| WETL_RATIO | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.200 | 0.200 | 0.200 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Streams-MD | | | | | | | | |
| CONDUCTIVITY-MD | 0.350 | 0.250 | 0.250 | 0.250 | 0.250 | 0.200 | 0.200 | 0.200 |
| IBI-MD | 0.400 | 0.500 | 0.500 | 0.500 | 0.500 | 0.550 | 0.550 | 0.550 |

Preference Sets for MIRA

| Primary Level | Mine Impact with an Emphasis on Stream Length | Environmental Condition | Mine Impact with an Emphasis on Avoiding Impacts in Least Disturbed Areas | Mine Impact with an Emphasis on Avoiding Impacts in Most Disturbed Areas | Mine Impact with an Emphasis on Conductivity |
|--------------------------------|---|-------------------------|---|--|--|
| Environmental Condition | 0.150 | 0.850 | 0.400 | 0.400 | 0.300 |
| Mine Impacts | 0.850 | 0.150 | 0.600 | 0.600 | 0.700 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Environmental Condition | | | | | |
| Most Disturbed Areas | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Least Disturbed Areas | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Impacts | | | | | |
| PEOPLE | 0.050 | 0.050 | 0.200 | 0.200 | 0.100 |
| Mine Footprint | 0.850 | 0.850 | 0.700 | 0.700 | 0.800 |
| Mine Mitigation | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Most Disturbed Areas | | | | | |
| Streams-MD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Watershed Land Cover-MD | 0.250 | 0.250 | 0.300 | 0.300 | 0.250 |
| Species-MD | 0.250 | 0.250 | 0.200 | 0.200 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Least Disturbed Areas | | | | | |
| Streams-LD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| Watershed Land Cover-LD | 0.250 | 0.250 | 0.300 | 0.300 | 0.250 |
| Species-LD | 0.250 | 0.250 | 0.200 | 0.200 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Footprint | | | | | |
| Proposed Mine | 0.800 | 0.800 | 0.700 | 0.700 | 0.500 |
| ADD_ADD_MINES | 0.100 | 0.100 | 0.150 | 0.150 | 0.250 |
| Additional Proposed Mines | 0.100 | 0.100 | 0.150 | 0.150 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Mitigation | | | | | |
| STRM_RATIO | 0.800 | 0.800 | 0.500 | 0.500 | 0.500 |
| WETL_RATIO | 0.200 | 0.200 | 0.500 | 0.500 | 0.500 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Streams-MD | | | | | |
| CONDUCTIVITY-MD | 0.200 | 0.200 | 0.250 | 0.250 | 0.300 |
| IBI-MD | 0.550 | 0.550 | 0.500 | 0.500 | 0.350 |

Preference Sets for MIRA

| Primary Level | Region 3 | Region 4 | Region 5 | All Mine Impact | All Environmental Condition | Mine Impact and Mine Footprint | SAD, Stream Length and Conductivity | SAD and Conductivity |
|--|----------|----------|----------|-----------------|-----------------------------|--------------------------------|-------------------------------------|----------------------|
| Other Water Qualities-MD | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Watershed Land Cover-MD | | | | | | | | |
| Forest-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| WETPCT-MD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| DISTURBED_LANDS-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Species-MD | | | | | | | | |
| TE_SPECIES-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| CRIT_HAB-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| RARE_STATE-MD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Streams-LD | | | | | | | | |
| CONDUCTIVITY-LD | 0.350 | 0.250 | 0.250 | 0.250 | 0.250 | 0.200 | 0.200 | 0.200 |
| IBI-LD | 0.400 | 0.500 | 0.500 | 0.500 | 0.500 | 0.550 | 0.550 | 0.550 |
| Other Water Qualities-LD | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Watershed Land Cover-LD | | | | | | | | |
| Forest-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| WETPCT-LD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| DISTURBED_LANDS-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Species-LD | | | | | | | | |
| TE_SPECIES-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| CRIT_HAB-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| RARE_STATE-LD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Proposed Mine | | | | | | | | |
| COAL_REFUSE_DISPOSAL_AREA | 0.05 | 0.200 | 0.200 | 0.200 | 0.200 | 0.05 | 0 | 0 |
| Mine Site | 0.250 | 0.200 | 0.200 | 0.200 | 0.200 | 0.250 | 0.333 | 0.500 |
| Stream Loss | 0.250 | 0.200 | 0.200 | 0.200 | 0.200 | 0.500 | 0.333 | 0.000 |
| Post Mine Downstream Aquatic Impact | 0.200 | 0.200 | 0.350 | 0.200 | 0.200 | 0.150 | 0.333 | 0.500 |
| WETLAND_LOSS | 0.250 | 0.200 | 0.050 | 0.200 | 0.200 | 0.050 | 0.000 | 0.000 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Preference Sets for MIRA

| Primary Level | Mine Impact with an Emphasis on Stream Length | Environmental Condition | Mine Impact with an Emphasis on Avoiding Impacts in Least Disturbed Areas | Mine Impact with an Emphasis on Avoiding Impacts in Most Disturbed Areas | Mine Impact with an Emphasis on Conductivity |
|--|---|-------------------------|---|--|--|
| Other Water Qualities-MD | 0.250 | 0.250 | 0.250 | 0.250 | 0.350 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Watershed Land Cover-MD | | | | | |
| Forest-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| WETPCT-MD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| DISTURBED_LANDS-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Species-MD | | | | | |
| TE_SPECIES-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| CRIT_HAB-MD | 0.400 | 0.400 | 0.400 | 0.400 | 0.200 |
| RARE_STATE-MD | 0.200 | 0.200 | 0.200 | 0.200 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Streams-LD | | | | | |
| CONDUCTIVITY-LD | 0.200 | 0.200 | 0.250 | 0.250 | 0.300 |
| IBI-LD | 0.550 | 0.550 | 0.500 | 0.500 | 0.350 |
| Other Water Qualities-LD | 0.250 | 0.250 | 0.250 | 0.250 | 0.350 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Watershed Land Cover-LD | | | | | |
| Forest-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| WETPCT-LD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| DISTURBED_LANDS-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Species-LD | | | | | |
| TE_SPECIES-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.400 |
| CRIT_HAB-LD | 0.400 | 0.400 | 0.400 | 0.400 | 0.200 |
| RARE_STATE-LD | 0.200 | 0.200 | 0.200 | 0.200 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Proposed Mine | | | | | |
| COAL_REFUSE_DISPOSAL_AREA | 0.05 | 0.05 | 0.200 | 0.200 | 0.01 |
| Mine Site | 0.250 | 0.250 | 0.200 | 0.200 | 0.200 |
| Stream Loss | 0.500 | 0.500 | 0.200 | 0.200 | 0.250 |
| Post Mine Downstream Aquatic Impact | 0.150 | 0.150 | 0.200 | 0.200 | 0.440 |
| WETLAND_LOSS | 0.050 | 0.050 | 0.200 | 0.200 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Preference Sets for MIRA

| Primary Level | Region 3 | Region 4 | Region 5 | All Mine Impact | All Environmental Condition | Mine Impact and Mine Footprint | SAD, Stream Length and Conductivity | SAD and Conductivity |
|--|----------|----------|----------|-----------------|-----------------------------|--------------------------------|-------------------------------------|----------------------|
| Additional Proposed Mines | | | | | | | | |
| ADD_SAD_AREA | 0.333 | 0.700 | 0.700 | 0.700 | 0.700 | 0.300 | 0.300 | 0.300 |
| Addl Stream Loss | 0.333 | 0.150 | 0.150 | 0.150 | 0.150 | 0.650 | 0.650 | 0.650 |
| ADD_WETLAND_LOSS | 0.333 | 0.150 | 0.150 | 0.150 | 0.150 | 0.050 | 0.050 | 0.050 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Other Water Qualities-MD | | | | | | | | |
| HQHV-MD | 0.400 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 |
| 303D-MD | 0.400 | 0.450 | 0.450 | 0.450 | 0.450 | 0.350 | 0.350 | 0.350 |
| NPDES_OUTFALLS-MD | 0.2 | 0.100 | 0.100 | 0.100 | 0.100 | 0.2 | 0.2 | 0.2 |
| | 1.000 | | | | | 1.000 | 1.000 | 1.000 |
| Forest-MD | | | | | | | | |
| CHG_FORPCT-MD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.400 | 0.400 | 0.400 |
| INT250-MD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.300 | 0.300 | 0.300 |
| FORPCT-MD | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Other Water Qualities-LD | | | | | | | | |
| HQHV-LD | 0.400 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 |
| 303D-LD | 0.400 | 0.450 | 0.450 | 0.450 | 0.450 | 0.350 | 0.350 | 0.350 |
| NPDES_OUTFALLS-LD | 0.2 | 0.100 | 0.100 | 0.100 | 0.100 | 0.2 | 0.2 | 0.2 |
| | 1.000 | | | | | 1.000 | 1.000 | 1.000 |
| Forest-LD | | | | | | | | |
| CHG_FORPCT-LD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| INT250-LD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| FORPCT-LD | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Site | | | | | | | | |
| Surface Area Disturbance | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 |
| Quality of Design | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Stream Loss | | | | | | | | |
| Streams | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.700 | 0.700 | 0.700 |
| VF_DRAIN | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.300 | 0.300 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Post Mine Downstream Aquatic Impact | | | | | | | | |

Preference Sets for MIRA

| Primary Level | Mine Impact with an Emphasis on Stream Length | Environmental Condition | Mine Impact with an Emphasis on Avoiding Impacts in Least Disturbed Areas | Mine Impact with an Emphasis on Avoiding Impacts in Most Disturbed Areas | Mine Impact with an Emphasis on Conductivity |
|--|---|-------------------------|---|--|--|
| Additional Proposed Mines | | | | | |
| ADD_SAD_AREA | 0.300 | 0.300 | 0.700 | 0.700 | 0.400 |
| Addl Stream Loss | 0.650 | 0.650 | 0.150 | 0.150 | 0.500 |
| ADD_WETLAND_LOSS | 0.050 | 0.050 | 0.150 | 0.150 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Other Water Qualities-MD | | | | | |
| HQHV-MD | 0.450 | 0.450 | 0.450 | 0.450 | 0.400 |
| 303D-MD | 0.350 | 0.350 | 0.450 | 0.450 | 0.300 |
| NPDES_OUTFALLS-MD | 0.2 | 0.2 | 0.100 | 0.100 | 0.3 |
| | 1.000 | 1.000 | | | 1.000 |
| Forest-MD | | | | | |
| CHG_FORPCT-MD | 0.400 | 0.400 | 0.200 | 0.200 | 0.200 |
| INT250-MD | 0.300 | 0.300 | 0.500 | 0.500 | 0.500 |
| FORPCT-MD | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Other Water Qualities-LD | | | | | |
| HQHV-LD | 0.450 | 0.450 | 0.450 | 0.450 | 0.400 |
| 303D-LD | 0.350 | 0.350 | 0.450 | 0.450 | 0.300 |
| NPDES_OUTFALLS-LD | 0.2 | 0.2 | 0.100 | 0.100 | 0.3 |
| | 1.000 | 1.000 | | | 1.000 |
| Forest-LD | | | | | |
| CHG_FORPCT-LD | 0.200 | 0.200 | 0.200 | 0.200 | 0.200 |
| INT250-LD | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 |
| FORPCT-LD | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Mine Site | | | | | |
| Surface Area Disturbance | 0.900 | 0.900 | 0.500 | 0.500 | 0.600 |
| Quality of Design | 0.100 | 0.100 | 0.500 | 0.500 | 0.400 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Stream Loss | | | | | |
| Streams | 0.700 | 0.700 | 0.500 | 0.500 | 0.500 |
| VF_DRAIN | 0.300 | 0.300 | 0.500 | 0.500 | 0.500 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Post Mine Downstream Aquatic Impact | | | | | |

Preference Sets for MIRA

| Primary Level | Region 3 | Region 4 | Region 5 | All Mine Impact | All Environmental Condition | Mine Impact and Mine Footprint | SAD, Stream Length and Conductivity | SAD and Conductivity | |
|---------------------------------|----------|----------|----------|-----------------|-----------------------------|--------------------------------|-------------------------------------|----------------------|--|
| PMI_LOW | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | |
| PMI_MED | 0.700 | 0.800 | 0.800 | 0.800 | 0.800 | 0.600 | 0.600 | 0.600 | |
| PMI_HIGH | 0.200 | 0.100 | 0.100 | 0.100 | 0.100 | 0.300 | 0.300 | 0.300 | |
| | 1.000 | 1.000 | | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Addl Stream Loss | | | | | | | | | |
| Addl Streams | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.550 | 0.550 | 0.550 | |
| ADD_VF_DRAIN | 0.500 | 0.500 | 0.500 | 0.500 | 0.500 | 0.450 | 0.450 | 0.450 | |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Surface Area Disturbance | | | | | | | | | |
| SAD_AREA | 0.900 | 0.900 | 0.900 | 0.900 | 0.900 | 0.850 | 0.850 | 0.850 | |
| SAD_TYPE | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.150 | 0.150 | 0.150 | |
| | 1.000 | | | | | 1.000 | 1.000 | 1.000 | |
| Quality of Design | | | | | | | | | |
| Efficiency | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 | |
| AOC_80_20_VARIANCE | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 | |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Streams | | | | | | | | | |
| Perennial | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.600 | 0.600 | 0.600 | |
| Intermittent | 0.300 | 0.450 | 0.450 | 0.450 | 0.450 | 0.300 | 0.300 | 0.300 | |
| Ephemeral | 0.250 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Addl Streams | | | | | | | | | |
| Addl Perennial | 0.450 | 0.450 | 0.450 | 0.450 | 0.450 | 0.600 | 0.600 | 0.600 | |
| Addl Intermittent | 0.300 | 0.450 | 0.450 | 0.450 | 0.450 | 0.300 | 0.300 | 0.300 | |
| Addl Ephemeral | 0.250 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | 0.100 | |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Efficiency | | | | | | | | | |
| MINING_EFF | 0.200 | 0.250 | 0.250 | 0.250 | 0.250 | 0.200 | 0.200 | 0.200 | |
| EXCESS_SPOIL_PCT | 0.350 | 0.250 | 0.250 | 0.250 | 0.250 | 0.350 | 0.350 | 0.350 | |
| VF_EFF | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 | |
| EXCESS_SPOIL_EFF | 0.200 | 0.250 | 0.250 | 0.250 | 0.250 | 0.200 | 0.200 | 0.200 | |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | |
| Perennial | | | | | | | | | |
| PERM_P | 0.550 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 | |

Preference Sets for MIRA

| Primary Level | Mine Impact with an Emphasis on Stream Length | Environmental Condition | Mine Impact with an Emphasis on Avoiding Impacts in Least Disturbed Areas | Mine Impact with an Emphasis on Avoiding Impacts in Most Disturbed Areas | Mine Impact with an Emphasis on Conductivity |
|---------------------------------|---|-------------------------|---|--|--|
| PMI_LOW | 0.100 | 0.100 | 0.100 | 0.100 | 0.200 |
| PMI_MED | 0.600 | 0.600 | 0.800 | 0.800 | 0.500 |
| PMI_HIGH | 0.300 | 0.300 | 0.100 | 0.100 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Stream Loss | | | | | |
| Addl Streams | 0.550 | 0.550 | 0.500 | 0.500 | 0.700 |
| ADD_VF_DRAIN | 0.450 | 0.450 | 0.500 | 0.500 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Surface Area Disturbance | | | | | |
| SAD_AREA | 0.850 | 0.850 | 0.900 | 0.900 | 0.900 |
| SAD_TYPE | 0.150 | 0.150 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | | | 1.000 |
| Quality of Design | | | | | |
| Efficiency | 0.700 | 0.700 | 0.700 | 0.700 | 0.700 |
| AOC_80_20_VARIANCE | 0.300 | 0.300 | 0.300 | 0.300 | 0.300 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Streams | | | | | |
| Perennial | 0.600 | 0.600 | 0.450 | 0.450 | 0.400 |
| Intermittent | 0.300 | 0.300 | 0.450 | 0.450 | 0.350 |
| Ephemeral | 0.100 | 0.100 | 0.100 | 0.100 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Streams | | | | | |
| Addl Perennial | 0.600 | 0.600 | 0.450 | 0.450 | 0.400 |
| Addl Intermittent | 0.300 | 0.300 | 0.450 | 0.450 | 0.350 |
| Addl Ephemeral | 0.100 | 0.100 | 0.100 | 0.100 | 0.250 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Efficiency | | | | | |
| MINING_EFF | 0.200 | 0.200 | 0.250 | 0.250 | 0.200 |
| EXCESS_SPOIL_PCT | 0.350 | 0.350 | 0.250 | 0.250 | 0.350 |
| VF_EFF | 0.250 | 0.250 | 0.250 | 0.250 | 0.250 |
| EXCESS_SPOIL_EFF | 0.200 | 0.200 | 0.250 | 0.250 | 0.200 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Perennial | | | | | |
| PERM_P | 0.900 | 0.900 | 0.500 | 0.500 | 0.550 |

Preference Sets for MIRA

| Primary Level | Region 3 | Region 4 | Region 5 | All Mine Impact | All Environmental Condition | Mine Impact and Mine Footprint | SAD, Stream Length and Conductivity | SAD and Conductivity |
|--------------------------|----------|----------|----------|-----------------|-----------------------------|--------------------------------|-------------------------------------|----------------------|
| TEMP_P | 0.450 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Intermittent | | | | | | | | |
| PERM_I | 0.550 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 |
| TEMP_I | 0.450 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Ephemeral | | | | | | | | |
| PERM_E | 0.550 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 |
| TEMP_E | 0.450 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Perennial | | | | | | | | |
| ADD_PERM_P | 0.550 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 |
| ADD_TEMP_P | 0.450 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Intermittent | | | | | | | | |
| ADD_PERM_I | 0.550 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 |
| ADD_TEMP_I | 0.450 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Ephemeral | | | | | | | | |
| ADD_PERM_E | 0.550 | 0.500 | 0.500 | 0.500 | 0.500 | 0.900 | 0.900 | 0.900 |
| ADD_TEMP_E | 0.450 | 0.500 | 0.500 | 0.500 | 0.500 | 0.100 | 0.100 | 0.100 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |

Preference Sets for MIRA

| Primary Level | Mine Impact with an Emphasis on Stream Length | Environmental Condition | Mine Impact with an Emphasis on Avoiding Impacts in Least Disturbed Areas | Mine Impact with an Emphasis on Avoiding Impacts in Most Disturbed Areas | Mine Impact with an Emphasis on Conductivity |
|--------------------------|---|-------------------------|---|--|--|
| TEMP_P | 0.100 | 0.100 | 0.500 | 0.500 | 0.450 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Intermittent | | | | | |
| PERM_I | 0.900 | 0.900 | 0.500 | 0.500 | 0.550 |
| TEMP_I | 0.100 | 0.100 | 0.500 | 0.500 | 0.450 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Ephemeral | | | | | |
| PERM_E | 0.900 | 0.900 | 0.500 | 0.500 | 0.550 |
| TEMP_E | 0.100 | 0.100 | 0.500 | 0.500 | 0.450 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Perennial | | | | | |
| ADD_PERM_P | 0.900 | 0.900 | 0.500 | 0.500 | 0.550 |
| ADD_TEMP_P | 0.100 | 0.100 | 0.500 | 0.500 | 0.450 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Intermittent | | | | | |
| ADD_PERM_I | 0.900 | 0.900 | 0.500 | 0.500 | 0.550 |
| ADD_TEMP_I | 0.100 | 0.100 | 0.500 | 0.500 | 0.450 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| Addl Ephemeral | | | | | |
| ADD_PERM_E | 0.900 | 0.900 | 0.500 | 0.500 | 0.550 |
| ADD_TEMP_E | 0.100 | 0.100 | 0.500 | 0.500 | 0.450 |
| | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |