

| Field | Definition |
|--------------|--|
| ForageSite | arbitrary number assigned; unique ID |
| Person | Name of person who clipped samples |
| Date | Year-month-day |
| Year_Clipped | Year clipped |
| GPS_ID | Geographic descriptor given to some sites |
| Plant_Comm | Name of plant community. Identified in field |
| Year_Logged | Year logged, if known. May be a result of GIS analysis from point data |
| X_Coord | X coordinate in Albers |
| Y_Coord | Y coordinate in Albers |
| UTM | UTM Zone if applicable |
| X | Original x coordinate in lat-long or UTM |
| Y | Original y coordinate in lat-long or UTM |
| BEC | Biogeoclimatic Zone, Subzone, Phase, Variant |
| Site_Series | BEC Site Series |
| Elevation | Estimated in field |
| Slope | Estimated in field |
| Aspect | Estimated in field |
| Slope_posi | Slope Position, from field |
| Grazed_pre | Previously grazed YES, NO |
| Picture_2m | Name of photo taken at 10m |
| Picture_10m | Name of photo taken at 2m |
| Weight1gr | weight of total clipping of palatable species in grams -dried clipping |
| Weight2gr | |
| Weight3gr | |
| Weight4gr | |
| Weight5gr | |
| Average | Average of Clipping Weights |
| CV | Coefficient of Variation |
| Grass1 | Species Name of most common |
| Grass1Cov | Estimated Percent Cover |
| Grass2 | Species Name of 2nd most common |
| Grass2Cov | Estimated Percent Cover |
| Grass3 | Species Name of 3rd most common |
| Grass3Cov | Estimated Percent Cover |
| Forb1 | Species Name of most common |
| Forb1Cov | Estimated Percent Cover |
| Forb2 | Species Name of 2nd most common |
| Forb2Cov | Estimated Percent Cover |
| Forb3 | Species Name of 3rd most common |
| Forb3Cov | Estimated Percent Cover |
| Forb4 | Species Name of 4th most common |
| Forb4Cov | Estimated Percent Cover |
| Forb5 | Species Name of 5th most common |
| Forb5Cov | Estimated Percent Cover |
| Shrub1 | Species Name of most common |
| Shrub1Cov | Estimated Percent Cover |

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|-------------|--|
| Shrub2 | Species Name of 2nd most common |
| Shrub2Cov | Estimated Percent Cover |
| Shrub3 | Species Name of 3rd most common |
| Shrub3Cov | Estimated Percent Cover |
| Tree1 | Species Name of most common |
| Tree1Cov | Estimated Percent Cover |
| Tree2 | Species Name of 2nd most common |
| Tree2Cov | Estimated Percent Cover |
| Tree3 | Species Name of 3rd most common |
| Tree3Cov | Estimated Percent Cover |
| Tree4 | Species Name of 4th most common |
| Tree4Cov | Estimated Percent Cover |
| Tree5 | Species Name of 5th most common |
| Tree5Cov | Estimated Percent Cover |
| Tree6 | Species Name of 6th most common |
| Tree6Cov | Estimated Percent Cover |
| Tree7 | Species Name of 7th most common |
| Tree7Cov | Estimated Percent Cover |
| Tree8 | Species Name of 8th most common |
| Tree8Cov | Estimated Percent Cover |
| ExclSpecies | Species excluded from clipping - not palatable |
| Comments | Additional comments |
| DEM_ELEV | Elevation calculated via GIS |
| DEM_Aspect | Aspect calculated via GIS |
| DEM_Slope | Slope calculated via GIS |

ach site

Appendix 1: RVI Data Dictionary (Revised 2023)

| Field | Alias | Type | Width |
|-----------------|-----------------------------|--------|-------|
| RVI_ID | RVI ID | Long | |
| Range_Type | Range Type | Text | 100 |
| Plant_Comm | Plant Community | Text | 100 |
| Productivity | Clipped Productivity | Short | |
| LF_Desc | Limiting Factor Description | Text | 25 |
| LF_Perc | Limiting Factor Percent | Short | |
| | | | |
| Safe_Use_Level | Safe Use Level | Long | |
| Logged | Logged_YN | Text | 1 |
| | | | |
| Yr_Logged | Year Logged | Short | |
| Log_Class | Log Class | Text | 25 |
| Raw_no_Deduc | Productivity no Deductions | Double | |
| | | | |
| Prod_Avail | Available for Use | Double | |
| Forage_Ha | Forage Hectares | Double | |
| HaXAvail | HA x Available for Use | Double | |
| | | | |
| AUM_Factor | AUM Size Factor | Short | |
| TOTAL_AUMs | Total AUMs | Double | |
| Acres_Per_AUM | Acres per AUM | Double | |
| Map_Label_Short | Map Label Short | Text | 5 |
| Map_Label_Long | Map Label Long | Text | 20 |

| Definition | |
|---|----|
| Unique ID | |
| Range Type is assigned by SQL or manually from local knowledge | |
| More specific label based on fieldwork observations on plant community. | |
| Productivity of palatable plants clipped from sample plot and oven dried, in Kg/Ha. | |
| Descriptor for Limiting Factor, which reduces utilization of forage | |
| | 25 |
| | 35 |
| Yes or No flag used when calculating if a polygon has been logged, from VRI or Consolidated Cutblock data. | |
| Calculated 4-digit year of year of last logged disturbance, from VRI or Consolidated Cutblock data. Used in classifying into logged class | |
| Classification of year logged into five year increments | |
| Carried forward from Productivity above | |
| Calculation reducing Productivity Availability by Limiting Factors and Safe Use (Productivity Available x (100-Limiting Factor) x Safe Use) / 10000 | |
| Area Geomatics system-generated in Ha | |
| Area x Productivity Available | |
| Can be adjusted but default uses the 450 kg in the Range Act. In the British Columbia Range Act, "450 kg" represents one "Animal Unit Month" (AUM), which is the amount of forage (measured on a dry matter basis) needed to sustain an average cow with a calf for one month | |
| Calculation of Animal Unit Month. | |
| Acres Per AUM | |
| Short map label | |
| Long map label | |

| Example |
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| |
| "Lodgepole Pine Open", "Saline Meadow" |
| "Bluebunch Wheatgrass-Big Sagebrush", "Pinegrass-Kinnick" |
| 230 |
| "Access obstruction (Access)"; "Lack of water (Dry)" |
| Percent that forage availability is limited by, for example 25% reduction leaving 75% available |
| Percent allocated. The safe use factor consider the biophysical constraints and the ecological goals of sustainable health and proper functioning of the rangeland unit. The remaining biomass production is allocated for the maintenance of ecological functions (e.g. hydrological function, soil protection), and plant community services (e.g. habitat maintenance, wildlife forage use, etc.) |
| "Y" |
| "1992", "2002" |
| "0-5", "6-10" |
| 230 |
| 11000 |
| 230 |
| |
| 450 |
| 45 |
| 45 |
| "DO" |
| "Dec Open" |