

Table 2 Input layers for low-intensity and high-intensity composite maps showing rank values, buffer distance and feature type.

| Theme | Source | Layer Name | Attributes | Priority Scale | Buffer (metres) | Feature |
|---|--|--|---|----------------|-----------------|---------|
| Big Game Outfitting and Trapping Priorities | CPAWS | Hunting trails (by horse) | | 3 | 1000 | line |
| | YG | Land dispositions for trapping cabins | Trapping leases | 3 | 1000 | point |
| | Outfitter Interviews | Outfitting Camps | Outfitting (other attributes not used include Grave site and Historic) | 3 | 1000 | point |
| | Regional Biologist | Sheep | Sheep habitat that included summer use (also overlaps into fall, spring and summer) | 3 | 0 | poly |
| Cultural and Heritage Priorities | Teetl-it Gwitch'in | Travel Route | | 3 | 3000 | line |
| | Tr'ondek Hwech'in | Travel Route | trv | 3 | 3000 | line |
| | Dene | Travel Route | | 3 | 1000 | line |
| | Vuntut Gwitch'in | Travel Route | | 3 | 1000 | line |
| | YTG | Archaeological sites (mostly in the Richardson Mnt) | archaeological site,cabin/camp,landmark | 3 | 1000 | point |
| | Teetl-it Gwitch'in | Archaeological sites, cabins and campsites | burial site,cabin,fish camp,pipe | 3 | 1000 | point |
| | Tr'ondek Hwech'in | Archaeological sites, cabins and campsites | ARCH,CAMP,COMPLEX,INTL,SITE | 3 | 1000 | point |
| | Teetl-it Gwitch'in | Archaeological sites, cabins and campsites | Archaeological/Cultural, Cabin, Cabin/Camp | 3 | 1000 | point |
| Vuntut Gwitch'in | Archaeological sites, cabins, culturally important areas | Abandoned Settlement, Archaeological Site, Cabin, Camp, Camp/Cache, Caribou Fence, Fossils, Landmark | 3 | 1000 | point | |

| Theme | Source | Layer Name | Attributes | Priority Scale | Buffer (metres) | Feature |
|------------------------------|--------------------|---|--|----------------|-----------------|---------|
| | Teetl-it Gwitch'in | Cabins/Camps (Tents) | | 3 | 1000 | point |
| | Teetl-it Gwitch'in | Cabins | | 3 | 1000 | point |
| | Tr'ondek Hwech'in | Camps and Travel Routes | CAM, CAM/TRP, TRV/GAP | 3 | 1000 | point |
| | Nacho Nyak Dun | Campsites | Camp sites | 3 | 1000 | point |
| | Teetl-it Gwitch'in | Culturally Important Place - Drill | Bullock's Camp, Graves, Lobstick, Moss House, RCMP Monument, Skin boat, Stage, Trading Place | 3 | 1000 | point |
| | Vuntut Gwitch'in | Archaeological sites and culturally important areas | Archaeological Site,Caves,Fossils,Heritage | 3 | 1000 | poly |
| | Tr'ondek Hwech'in | Camps, travel routes, archaeological sites, medicinal sites | CAM,GVS,MDC,SST,TRV,GRV | 3 | 0 | poly |
| | Teetl-it Gwitch'in | Gathering places, Mineral lick | gathering place, mineral lick | 3 | 0 | poly |
| Mineral Priorities Current | YT | Active Coal license | | 3 | 0 | poly |
| | YT | Active Quartz Claims | | 3 | 0 | poly |
| Mineral Priorities Potential | YT | Coal Potential Area | | 3 | 0 | poly |
| | YT | IOCG Potential (Wernecke Breccias) | | 1,2,3 | 0 | poly |
| | YT | Other mineral potential | | 1,1.5, 2,3 | 0 | poly |
| | YT | Carbonate Hosted (MVT) --> Crest Iron Potential - low to high | | 1,2,3 | 0 | poly |
| | YT | Potential Iron Formation | | 3 | 0 | poly |

| Theme | Source | Layer Name | Attributes | | | |
|------------------------|---|---|---|-----------------|---------|-------|
| | | | Priority Scale | Buffer (metres) | Feature | |
| Oil and Gas Current | YT | Call for bids for oil and gas dispositions for spring 2007 to fall 2008 | 3 | 0 | poly | |
| | YT | Oil and Gas exploration permit | 3 | 0 | poly | |
| Oil and Gas Potential | YT | Oil and gas basin | 1,2,3 | 0 | poly | |
| Subsistence Priorities | Teetl-it Gwitch'in | Trapline and Hunting | trapline, hunting | 3 | 3000 | line |
| | Tr'ondek Hwech'in | Trapline/Travel Route and or Hunting | STO, TRP, TRP/TRV, TRV/HUN, TRV/HUN/STO | 3 | 3000 | line |
| | Nacho Nyak Dun | Big Game | | 3 | 1000 | point |
| | Nacho Nyak Dun | Fishing | Fishing | 3 | 1000 | point |
| | Teetl-it Gwitch'in | Fishing | Fishing, fish trap, fish wheel | 3 | 1000 | point |
| | Tr'ondek Hwech'in | Harvest Patch | | 3 | 1000 | point |
| | Teetl-it Gwitch'in | Harvest, hunting and migration | | 3 | 1000 | point |
| | Vuntut Gwitch'in | Traditional Use Area | Traditional Use Area, Resource Area | 3 | 1000 | point |
| | Nacho Nyak Dun | Trapping locations | | 3 | 1000 | point |
| | Tr'ondek Hwech'in | Trapping, hunting, travel and some campsites | | 3 | 1000 | point |
| | Vuntut Gwitch'in | Hunting, trapping, wildlife | | 3 | 0 | Poly |
| Nacho Nyak Dun | Range, migration and birthing sites for caribou moose and sheep | | 3 | 0 | poly | |

| Theme | Source | Layer Name | Attributes | | | |
|---|--------------------|--|---|-----------------|-----------|-------|
| | | | Priority Scale | Buffer (metres) | Feature | |
| | Teetl-it Gwitch'in | Seasonal land use: gravel area, fishing | Berry Picking, Fish Harvesting, Forestry, Gravel, Sulphur calving area, fishing, hunting, migration route, trapline | 1-3 | 0 | poly |
| | Teetl-it Gwitch'in | Traditional harvesting and wildlife areas | | 1-3 | 0 | poly |
| | Vuntut Gwitch'in | Traditional Use Area | Traditional Use Area, Resource Area, Hunting and Trapping | 3 | 1000 | poly |
| | Tr'ondek Hwech'in | Trapping, hunting, travel and some campsites | CAM,HUN,TRP,FIS,GVS,SST,TRV,MDC,GAP,GRV; combined with HUN,FIS or TRP | 1-3 | 0 | poly |
| Tourism and Recreation Priorities Current | Yukon Tourism | Tourism activities | horseback (tour), Primitive campgrounds, Snowmobiling, view point, wildlife viewing | 3 | 10000 | point |
| | Yukon Tourism | Public camp sites (Engineer Creek) | Public camp sites (Engineer Creek), boating – motorized, boating – nonmotorized, Climbing, driving tour, | 3 | 1000 | point |
| | Yukon Tourism | Activity Corridors | | 3 | 0 | poly |
| | Yukon Tourism | Dempster corridor | | 3 | 0 | poly |
| | Yukon Tourism | high value hiking | | 3 | 0 | poly |
| Tourism and Recreation Priorities Potential | YG | Hart River Road | | 3 | 1000 | line |
| | CPAWS | Hunting trails (by horse) | | 3 | 1000 | line |
| | Yukon Tourism | Lodge Site (pending) | | 3 | 5000 | point |
| | Yukon Tourism | Tourism Potential | | 1-3 | 0 | poly |
| Transportation/Access Priorities Current | Internal | boating down/up river (line feature) | | | 1000 | line |
| | YG | Dempster Highway (Highway Development Act) | | 3 | 8000/1000 | line |

| Theme | Source | Layer Name | Attributes | Priority Scale | Buffer (metres) | Feature |
|--|---------------|--|--|----------------|-----------------|---------|
| | YG | Winter Access Roads – Well pad access road | | 1 | 1000 | line |
| | YG | floatplane landing | | 3 | 2000 | point |
| | YG | Gravel pits | | 3 | 3000 | point |
| | YG | Winter Access Roads | | 3 | 1000 | line |
| | YG | telecommunications tower | | 3 | 1000 | point |
| | YG | Hart River Road | | 3 | 1000 | line |
| | Yukon Tourism | Canoe access | put-ins (air access), put-ins (road access), take-out (air access) | 3 | 2000 | point |
| | YG | Airstrips | | 3 | 2000 | point |
| Transportation/Access Priorities Potential | YG | Seismic line | | 3 | 500 | line |
| | YG | Rusty Springs Access Road | | 1 | 2000 | line |
| | YG | Access corridor (potential) | | 3 | 2000 | line |
| | YG | Proposed Pipeline | | 3 | 8000 | line |

¹ D:\geodata\yukon\thematic\250k\outfitters\outfitting camps.shp; no metadata is available

² D:\geodata\yukon\thematic\250k\wildlife\peel_outfitters\cabins.shp; selection function = outfitting. Other attributes are: 'Grave site' and 'Historic'

³ D:\geodata\yukon\thematic\250k\outfitters\EMRLAND_LAND_DISP_20080718\EMRLAND_LAND_DISP.shp; selected trapping leases [Purpose = Trapping]; file was downloaded from

http://www.geomaticsyukon.ca/data_download.html#lands July 18, 2008.

⁴ D:\geodata\yukon\thematic\250k\wildlife\peel_outfitters\sheep.shp; selected Function = 'fall', 'summer, fall', 'spring, summer, fall', 'summer, fall', 'summer, fall, winter'; selection to be confirmed by Mark O'Donoghue.

⁵ D:\geodata\yukon\thematic\250k\heritage\placenames.shp

⁶ D:\geodata\yukon\thematic\250k\land_use\traditional\NND\NND camps.shp; metadata unknown

^{7a} D:\geodata\yukon\thematic\250k\Fort Mcpherson seasonal land use\shape files\Landuse-point2.shp; selected res Sitetype = 'Archaeological/Cultural' or Sitetype = 'Cabin' or Sitetype = 'Cabin/Camp'

- ^{7b} D:\geodata\yukon\thematic\250k\Fort Mcpherson seasonal land use\shape files\Landuse-point2.shp;selected res Sitetype = 'Fishing' or Sitetype = 'Migration' or Sitetype = 'Harvesting'
- ⁸ D:\geodata\yukon\thematic\250k\land_use\traditional\TGFN\wildlife workshop-mar2806\tgfn cabins and sites.shp
- ⁹ D:\Geodata\Yukon\thematic\250k\land_use\traditional\THFN\wildlife workshop-dec05\jody_points_peel.shp
- ¹⁰ D:\geodata\yukon\thematic\250k\land_use\traditional\THFN\wildlife workshop-dec05\PEEL_wkshop_pt.shp; selected [res land_use = 'CAM', 'CAM/TRP', 'TRV/GAP']
- ¹¹ D:\geodata\yukon\thematic\250k\land_use\traditional\THFN\wildlife workshop-dec05\PEEL_wkshop_poly.shp; selected [Land_use = CAM,GVS,MDC,SST,TRV,TRV/GRV]
- ¹² D:\geodata\yukon\thematic\250k\oil_gas_regime\Peel_Active_Dispositions_Feb08_PWPCversion.shp; selected [Dist_type = SDL, Permit] and [Status_1 = Active]
- ¹³ D:\geodata\yukon\thematic\250k\oil_gas_regime\seismic_250k.shp; years range from 1961 to 1976, some 2001. Downloaded in 2005 from
- ¹⁴ D:\geodata\yukon\thematic\250k\oil_gas_regime\arc\basins_ver2; Original data set was downloaded from [http://www.emr.gov.yk.ca/oilandgas/mapsdata.html#Oil and Gas GIS Data](http://www.emr.gov.yk.ca/oilandgas/mapsdata.html#Oil_and_Gas_GIS_Data).
Boundaries were modified to identify production potential of each basin relative to basins that intersect with the Peel Watershed Area. As identified in the report Osadetz et al. 2005 (Yukon Geological Survey Open File 2005-3, Geological Survey of Canada Open File 4841). It identifies basins by production potential using the Trevor Fault, Peel Plateau and MacPherson Plain ecoregion boundary.
- ¹⁵ D:\geodata\yukon\thematic\250k\oil_gas_regime\arc\og_cfb; Assembled from spring 2007, fall 2007 and spring 2008 call for bids downloaded from [http://www.emr.gov.yk.ca/oilandgas/rights management maps and data.html](http://www.emr.gov.yk.ca/oilandgas/rights_management_maps_and_data.html)
- ¹⁶ D:\geodata\yukon\thematic\250k\mineral_regime\MINERAL_MIN_QCLAIMS.shp; downloaded from http://geomaticsyukon.ca/data_download.html#mining. Only active claims were used.
- ¹⁷ D:\geodata\yukon\thematic\250k\mineral_regime\MINERAL_MIN_CLIC.shp; downloaded from http://geomaticsyukon.ca/data_download.html#mining. Only active claims were used. Only Coal Licenses (no leases) are exist within the Peel Watershed Region.
- ¹⁸ D:\geodata\yukon\thematic\250k\mineral_regime\mineral_potential\Gartner_Lee shape files_June2007\Blende_mvt.shp
- ¹⁹ D:\geodata\yukon\thematic\250k\mineral_regime\mineral_potential\Gartner_Lee shape files_June2007\coal_poly.shp
- ²⁰ D:\geodata\yukon\thematic\250k\mineral_regime\mineral_potential\Gartner_Lee shape files_June2007\Iron.shp
- ²¹ D:\geodata\yukon\thematic\250k\mineral_regime\mineral_potential\ny_peel mineral potential_250k.shp
- ²² D:\geodata\yukon\thematic\250k\mineral_regime\mineral_potential\Gartner_Lee shape files_June2007\wernecke_breccia.shp
- ²³ D:\geodata\yukon\thematic\250k\land_use\traditional\NND\big game.shp; metadata unknown
- ²⁴ D:\geodata\yukon\thematic\250k\land_use\traditional\NND\fish.shp; metadata unknown
- ²⁵ D:\geodata\yukon\thematic\250k\land_use\traditional\NND\fish 2.shp; metadata unknown
- ²⁶ D:\geodata\yukon\thematic\250k\land_use\traditional\NND\furbearing.shp; metadata unknown
- ²⁷ D:\geodata\yukon\thematic\250k\land_use\traditional\NND\NND wildlife areas.shp; metadata unknown
- ²⁸ D:\geodata\yukon\thematic\250k\land_use\traditional\TGFN\wildlife workshop-mar2806\tgfn routes and traplines.shp
- ²⁹ D:\geodata\yukon\thematic\250k\Fort Mcpherson seasonal land use\shape files\LandUse-polygons.shp; *removed areas identified as habitat as they were very general a broad polygons. Selected sites based on [Landuse = Berry Picking, Fish Harvesting, Forestry, Gravel Sulphur]
- ^{30a} D:\geodata\yukon\thematic\250k\land_use\traditional\TGFN\wildlife workshop-mar2806\tgfn wildlife areas.shp; selected res feature = 'calving area' or feature = 'fishing' or feature = 'hunting' or feature = 'migration route' or feature = 'trapline' or feature = 'calving area'
- ^{30b} D:\geodata\yukon\thematic\250k\land_use\traditional\TGFN\wildlife workshop-mar2806\tgfn wildlife areas.shp; selected res feature = 'gathering place' 'mineral lick' 'sitings'
- ³¹ D:\geodata\yukon\thematic\250k\land_use\traditional\THFN\wildlife workshop-dec05\PEEL_wkshop_line.shp
- ³² D:\geodata\yukon\thematic\250k\land_use\traditional\THFN\wildlife workshop-dec05\PEEL_wkshop_pt.shp; selected various combinations of attribute features that contained combinations of [CAMP/TRP,HUN,HUN/SST,TRP/CAM and note: Resource = Peregrine Falcon was excluded]
- ³³ D:\geodata\yukon\thematic\250k\land_use\traditional\THFN\wildlife workshop-dec05\PEEL_wkshop_poly.shp; selected various combinations of land_use = CAM,HUN,TRP,FIS,GVS,SST,TRV,MDC,GAP,GRV
- ³⁴ D:\geodata\yukon\thematic\250k\tourism\peel\Tourism_pts_modified.shp; selected feat_id = BGO, BKG,CAB,CLMB,CNOE,FNCL,HKG,HRST,NGV,PORT,SNOW,VIEW,WLV

- ³⁵ D:\geodata\yukon\thematic\250k\tourism\peel\Dempster_corridor.shp
- ³⁶ D:\geodata\yukon\thematic\250k\tourism\peel\High_Value_Hiking.shp
- ³⁷ D:\geodata\yukon\thematic\250k\tourism\peel\recreation_potential_very_high.shp
- ³⁸ D:\geodata\yukon\thematic\250k\tourism\peel\Viewscales.shp
- ³⁹ D:\Geodata\Yukon\thematic\250k\transportation\peel_roads\gwichinroad.shp
- ⁴⁰ D:\Geodata\Yukon\thematic\250k\transportation\peel_roads\peelroads.shp
- ⁴¹ D:\Geodata\Yukon\thematic\250k\transportation\peel_roads\peelwellroads.shp
- ⁴² D:\geodata\yukon\thematic\250k\transportation\roads250.shp; selected Name1 = "Dempster" for 8km buffer and ranking of 3 and all other linear features a 1km buffer and a ranking of 3
- ⁴³ D:\geodata\yukon\thematic\250k\footprint_analysis\TR_peel.shp
- ⁴⁴ D:\geodata\yukon\thematic\250k\footprint_analysis\airstrip_clip.shp; source data for this layer is unknown at the time of writing
- ⁴⁵ D:\Geodata\Yukon\thematic\250k\transportation\Floatplane_landing.shp; source data for this layer is currently unknown
- ⁴⁶ D:\geodata\yukon\thematic\250k\footprint_analysis\gravelpt.shp; source data for this layer is unknown at the time of writing
- ⁴⁷ D:\geodata\yukon\thematic\250k\tourism\peel\ Tourism_pts_modified.shp;selected feat_id = PIA, PIR,TOA
- ⁴⁸ D:\geodata\yukon\thematic\250k\footprint_analysis\tower_site.shp
- ⁴⁹ D:\geodata\yukon\thematic\250k\Wilderness\Peel_boating_corridor.shp; Selected water body outline for the navigable waters up the Peel River; created by Sam Skinner.
- ⁵⁰ D:\geodata\yukon\thematic\250k\transportation\resource_transportation_corridors\ dempster_proposed_pipeline.shp
- ⁵¹ D:\geodata\yukon\thematic\250k\transportation\resource_transportation_corridors\PIARC.shp; provided by YTG.