

GEOLOGY OF THE YELLOWHEAD CORRIDOR (Hinton - Entrance)

Scale 1:100 000

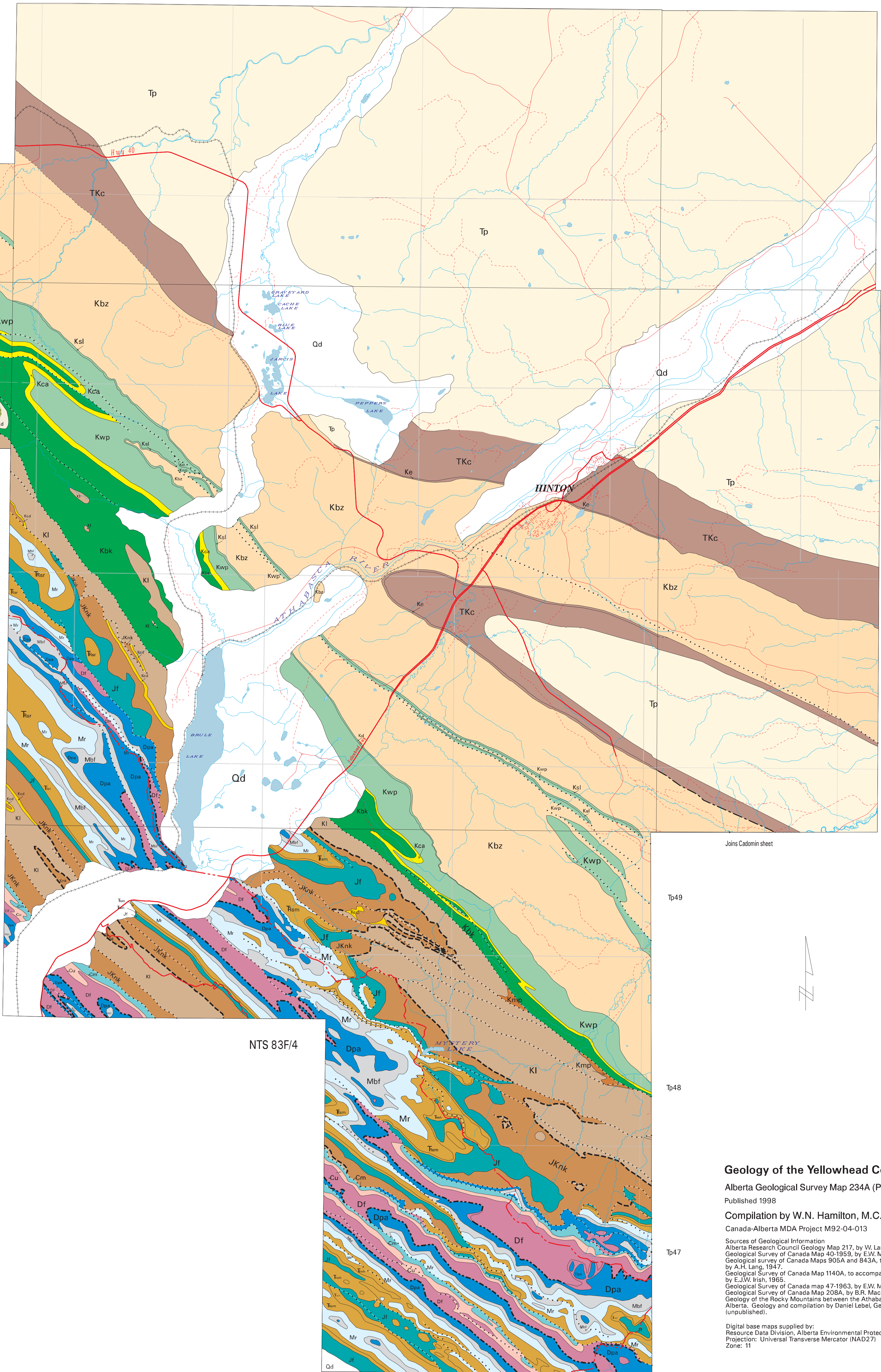
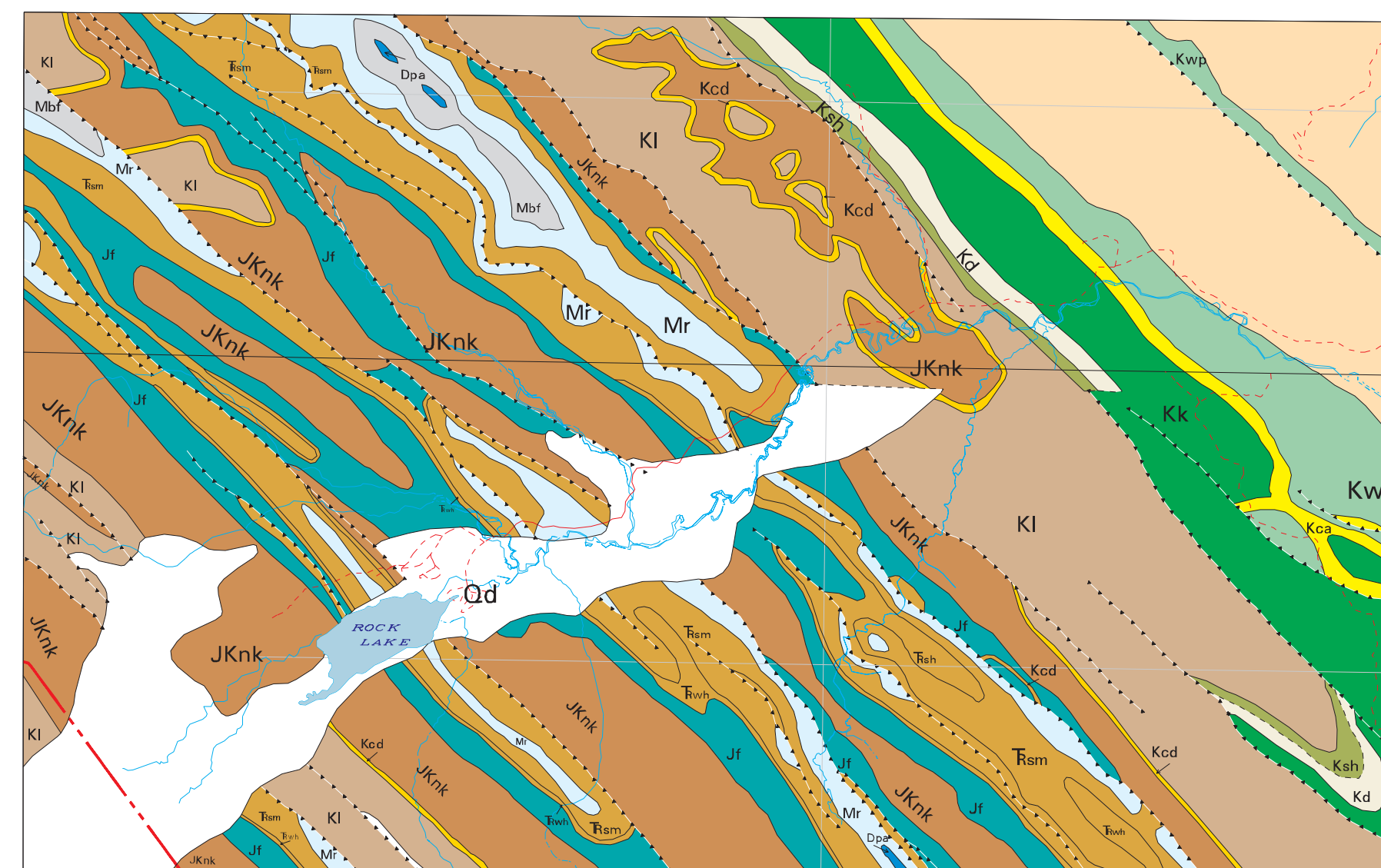
NTS 83F/12

NTS 83F/11

NTS 83E/9

NTS 83E/8

NTS 83F/4



LEGEND

- | | | | |
|-----------------------------|------|---|--|
| QUATERNARY | | | |
| | Qd | Till, alluvium, colluvium | |
| TERTIARY | | | |
| | Tp | Paskapoo Formation | |
| TERTIARY AND CRETACEOUS | | | |
| | TKc | Coalspur Formation | |
| | Ke | Entrance Conglomerate | |
| CRETACEOUS | | | |
| | Kbz | Brazeau Formation | |
| | Kwp | Wapiti Formation | |
| | Ksl | Solomon member | |
| | Kca | Cadomin Formation | |
| | Kk | Blackstone Formation | |
| | Kmp | Mountain Park Formation | |
| | Kl | "Luscar Formation" | |
| | Kga | Gates Formation | |
| | Kmb | Moosebar Formation | |
| | Kgl | Gladstone Formation | |
| | Kd | Dunvegan Formation | |
| | Ksh | Shaftesbury Formation | |
| | Kl | Luscar Group | |
| JURASSIC AND (?) CRETACEOUS | | | |
| | JKnk | Nikanassin Formation | |
| JURASSIC | | | |
| | Jf | Fernie Group | |
| TRIASSIC | | | |
| | Wh | Whitehorse Formation | |
| | Sm | Sulphur Mountain Formation | |
| MISSISSIPPIAN | | | |
| | Mtv | Mount Head and Turner Valley Formations | |
| | Mps | Shunda and Pekisko Formations | |
| | Mbf | Banff and Exshaw Formations | |
| DEVONIAN | | | |
| | Dpa | Palliser Formation | |
| | Dax | Alexo Formation | |
| | Dsa | Arcs Member | |
| | Dsg | Grotto Member | |
| | Dsp | Peechee Member | |
| | Dmh | Mount Hawk Formation | |
| | Dpx | Perdrix Formation | |
| | Dfl | Flume and Maligne Formations | |
| | DL | Basal Devonian Unit | |
| CAMBRIAN | | | |
| | Cix | Lynx Formation | |
| | Csu | Sullivan Formation | |
| | Cwf | Waterfowl Formation | |
| | Car | Arctomys Formation | |
| | Cpk | Pika Formation | |
| | Cel | Eldon Formation | |
| | Df | Fairholme Group | |
| | Dsx | Southesk Formation | |
| | Dcn | Cairn Formation | |
| | Cu | Upper Cambrian, undivided | |
| | Cm | Middle Cambrian, undivided | |

- | | | | |
|---------|--|--------|------------------------|
| FAULTS: | | ROADS: | |
| | Thrust fault (teeth indicate upthrust side) | | Paved |
| | Normal fault (dot indicates downthrown side) | | Gravel |
| | | | Unimproved |
| | | | National park boundary |

Geology of the Yellowhead Corridor (Hinton-Entrance)

Alberta Geological Survey Map 234A (Part 1 of 2)

Published 1998

Compilation by W.N. Hamilton, M.C. Price and D.K. Chao
Canada-Alberta MDA Project M92-04-013

Sources of Geological Information:
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Geological Survey of Canada Map 40-1959, by E.W. Mountjoy, 1960.
Geological Survey of Canada Maps 905A and 845A, to accompany GSC Memoir 244, by A.H. Lang, 1947.
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Digital base maps supplied by:
Resource Data Division, Alberta Environmental Protection
Projection: Universal Transverse Mercator (NAD27)
Zone: 11



Alberta Energy and Utilities Board



Alberta Geological Survey

MINERAL DEPOSITS OF THE YELLOWHEAD CORRIDOR

(Hinton - Entrance)

Scale 1:100 000

NTS 83F/12

NTS 83F/11

R27

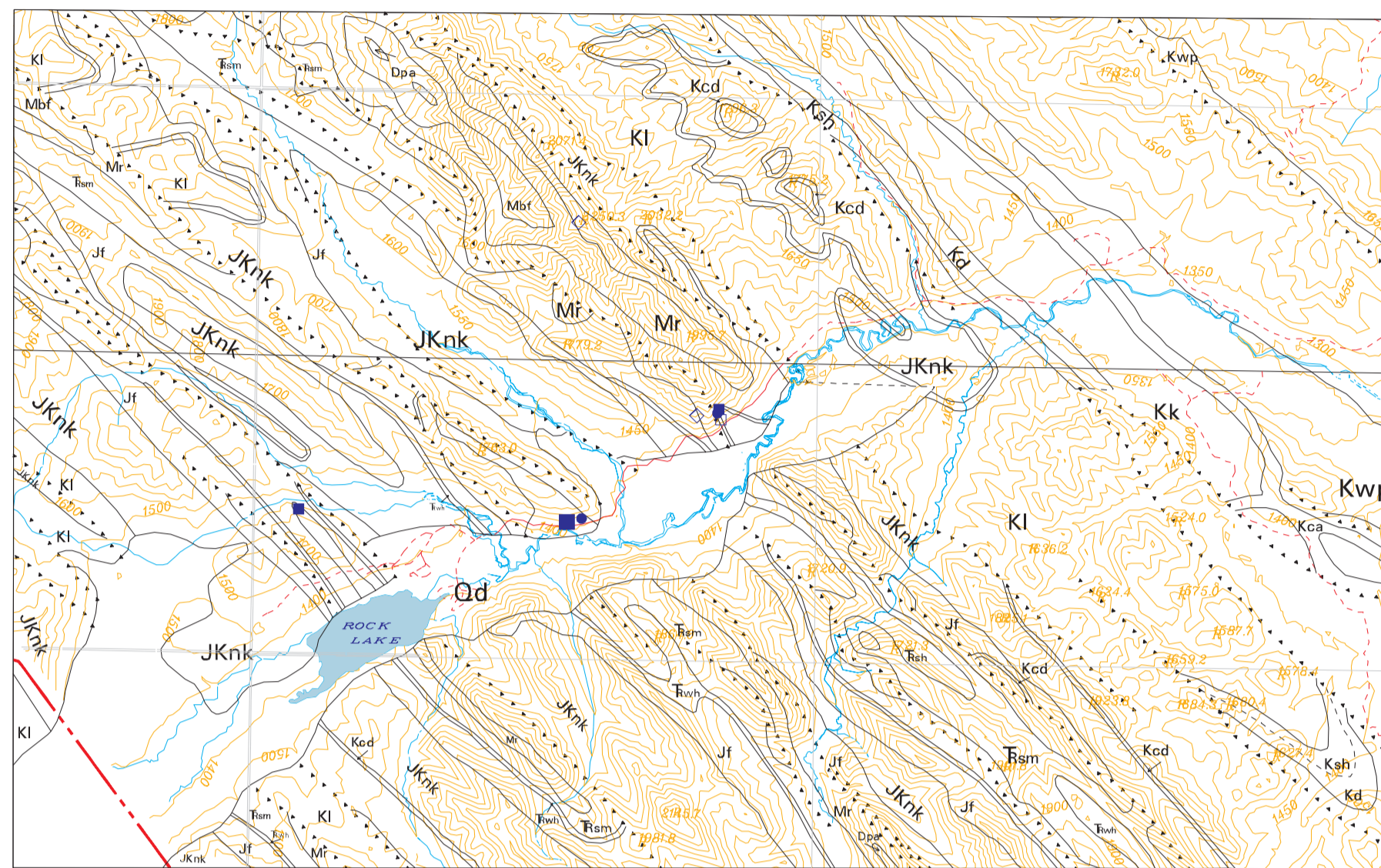
R26

R25

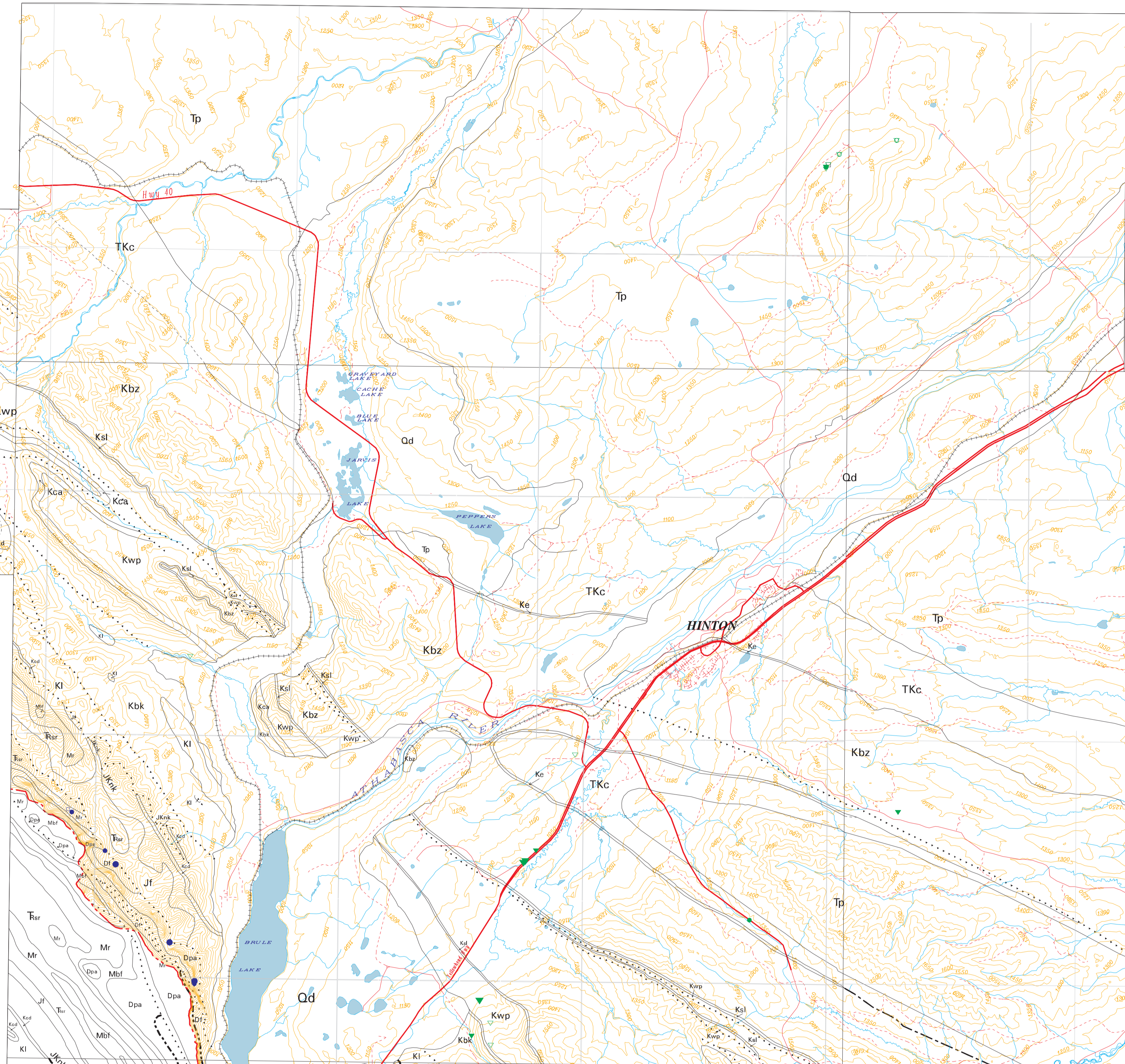
R24

NTS 83E/9

R1W6



NTS 83E/8



NTS 83F/6

LEGEND

SYMBOL	FORMATION NAME
Qd	QUATERNARY Till, alluvium, colluvium
Tp	TERTIARY Paskapoo Formation
TKc	TERTIARY AND CRETACEOUS Coalspur Formation: Ke - Entrance Conglomerate
Kbz	CRETACEOUS Brazeau Formation
Kwp	Wapiabi Formation: Ksl - Solomon member
Kca	Cardium Formation
Kbk	Blackstone Formation
Kk	Kaskapau Formation
Kd	Durvegan Formation
Ksh	Shaftesbury Formation
Kl	Luscar Group (Kmp - Kcd)
Kmp	Mountain Park Formation
Kl	"Luscar Formation" (Kga - Kgl)
Kga	Gates Formation
Kmb	Moosebar Formation
Kgl	Gladstone Formation
Kcd	Cadomin Formation
JKnk	JURASSIC AND (?)CRETACEOUS Nikanassin Formation
Jf	JURASSIC Fernie Group
Tsr	TRIASSIC Spray River Group (T Rm) Rsm
Twh	Whitehorse Formation
Tsm	Sulphur Mountain Formation
Mr	MISSISSIPPIAN Rundle Group (Mtv - Mps)
Mtm	Mount Head and Turner Valley Formations
Mps	Shunda and Pekisko Formations
Mbf	Bariff and Exshaw Formations
Dpa	DEVONIAN Palliser Formation
Df	Fairholme Group (Dax - DL)
Dax	Alexo Formation
Dsx	Southesk Formation (Dsxa - Dsxp)
Dsxa	Arcs Member
Dsxp	Grotto Member
Dcn	Peechee Member
Dmh	Cairn Formation (Dmh - Dfl)
Dpx	Mount Hawk Formation
Dfl	Perdrix Formation
DL	Flume and Maligne Formations Basal Devonian Unit

MINERAL DEPOSIT

■	Dolomite
●	Limestone
◆	Phosphate
●	Bentonite
■	Clay-Stoneware/Refractory
▼	Clay/Shale, common
■	Pumicite

STATUS:

⬆	Producer
⬇	Past Producer
●	Prospect
○	Showing
○	Test

Producer/Past Producer

Mineral deposit from which ore is currently being mined or has been mined in the past for commercial gain. Typically, ore reserves and grade are known with some certainty. For past producers, production is not currently obtained because: (a) ore reserves have been exhausted, or (b) operations became subeconomic, due to factors such as declining grade/commodity prices, loss of markets, increasing waste to ore ratio during mining, increasing processing costs, etc.

Prospect

Mineral deposit that has sufficient size and ore mineral content to make commercial extraction a possibility. Typically, enough assessment work has been done to establish the presence of ore grade material and make at least a preliminary estimate of deposit size (i.e., reserves).

Showing

Mineral occurrence with sufficient concentration of valuable mineral(s) to indicate that further exploration may be warranted. Typically, insufficient work has been done to establish the size of the occurrence or the grade of the concentration of valuable mineral(s).

For nonmetallic mineral occurrences, access and recoverability are additional critical factors in distinguishing showings from prospects: e.g., a nonmetallic deposit that has unfavorable access or recoverability may be classed as a showing even though it has sufficient indication of size and grade to be a prospect.

Test

Mineral occurrence that is indicated from assays, tests, or other geological work to be submarginal in grade and lacking in economic mineral potential for the foreseeable future.

---	Alexo Formation
---	Cadomin Formation
---	Entrance Conglomerate

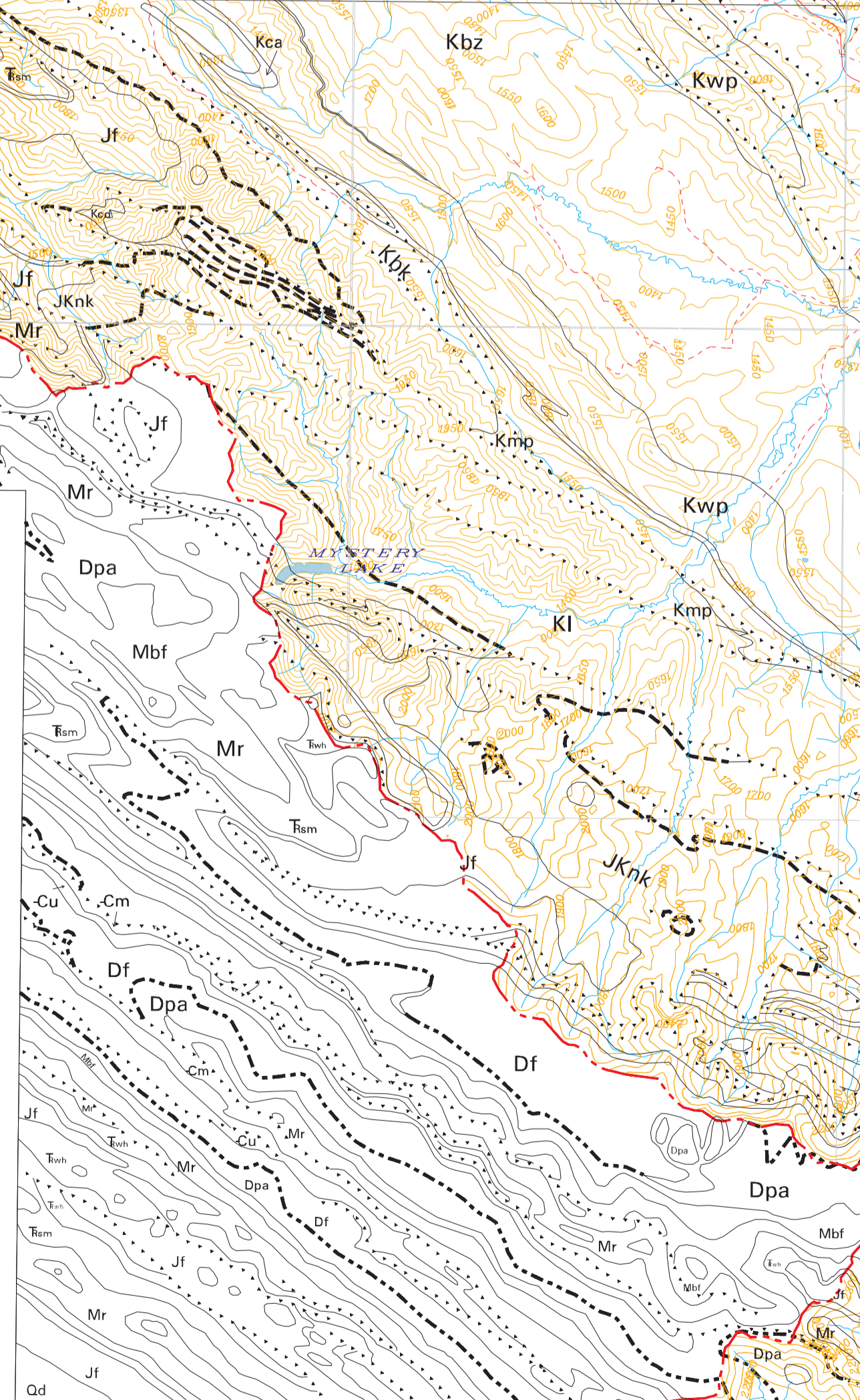
FAULTS:

---	Thrust fault (teeth indicate upthrust side)
---	Normal fault (dot indicates downthrown side)

ROADS:

---	Paved
---	Gravel
---	Unimproved

NTS 83F/4



Mineral Deposits of the Yellowhead Corridor (Hinton-Entrance)

Alberta Geological Survey Map 234B (Part 1 of 2)
Published 1998

Compilation by W.N. Hamilton, M.C. Price and D.K. Chao
Canada-Alberta MDA Project M92-04-013

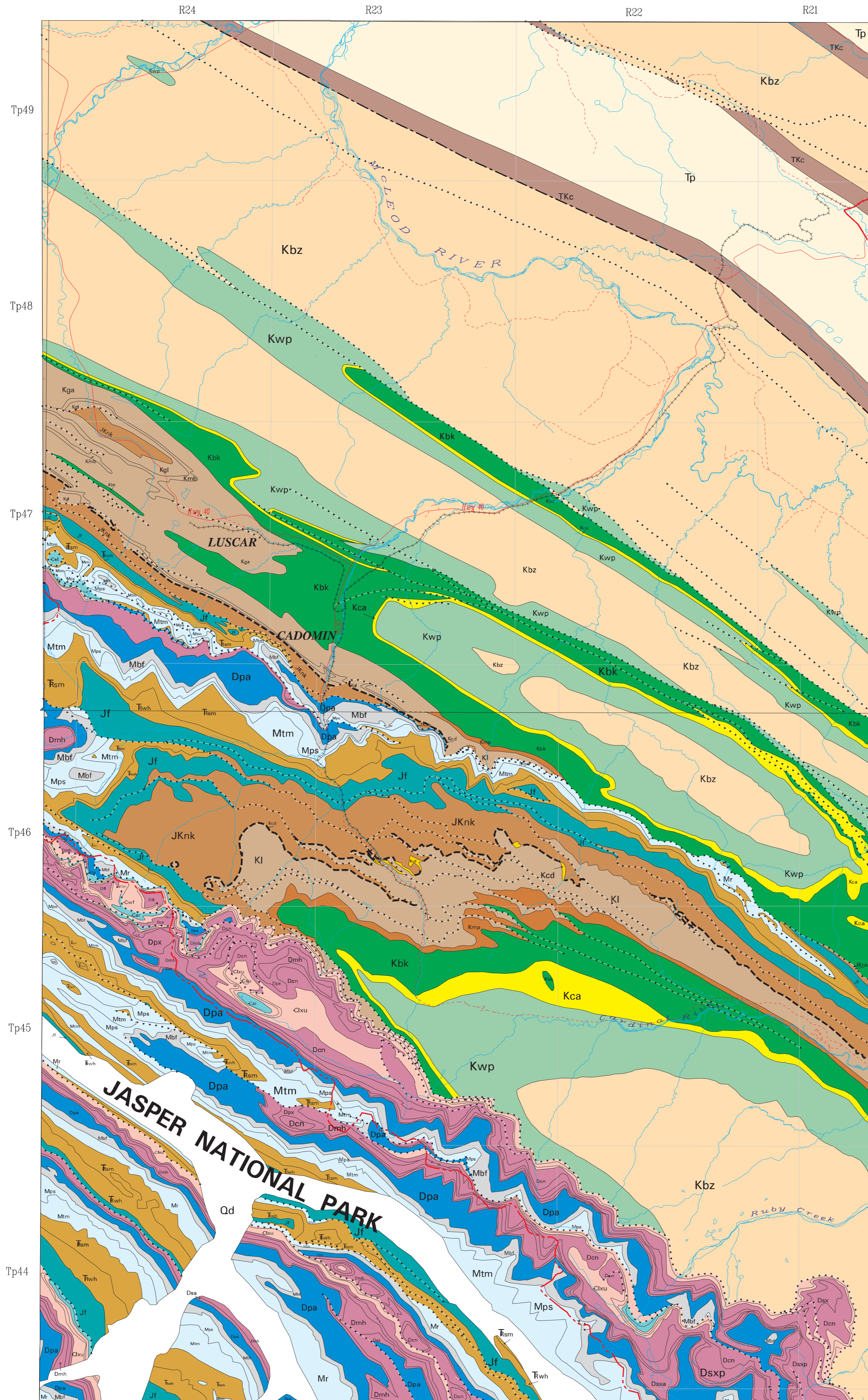
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Source of Mineral Deposits Information:
AGS Alberta Mineral Deposits and Occurrences (AMDO) file.
Digital base maps supplied by:
Resource Data Division, Alberta Environmental Protection,
Projection: Universal Transverse Mercator (NAD27)
Zone: 11
Contour intervals: 50 metres

GEOLOGY OF THE YELLOWHEAD CORRIDOR (Cadomin)

Scale 1:100 000

Joins Hinton-Entrance Sheet



NTS 83F/3

NTS 83C/14

LEGEND

- QUATERNARY**
- Qd Till, alluvium, colluvium
- TERTIARY**
- Tp Paskapoo Formation
- TERTIARY AND CRETACEOUS**
- TKc Coalspur Formation
Ke - Entrance Conglomerate
- CRETACEOUS**
- Kbz Brazeau Formation
 - Kwp Wapiabi Formation
Ksl - Solomon member
 - Kca Cardium Formation
 - Kbk Blackstone Formation
 - Kk Kaskapoo Formation
 - Kd Durvegan Formation
 - Ksh Shaftesbury Formation
- JURASSIC AND (?) CRETACEOUS**
- Kmp Mountain Park Formation
 - Kl "Luscar Formation"
 - Kga Gates Formation
 - Kmb Moosebar Formation
 - Kgl Gladstone Formation
 - KL Luscar Group
 - Kcd Cadomin Formation
 - JKnk Nikanassin Formation
- JURASSIC**
- Jf Fernie Group
- TRIASSIC**
- Twh Whitehorse Formation
 - Tsm Sulphur Mountain Formation
- MISSISSIPPIAN**
- Mtm Mount Head and Turner Valley Formations
 - Mps Shunda and Pekisko Formations
 - Mbf Banff and Exshaw Formations
 - Mr Rundle Group
- DEVONIAN**
- Dpa Palliser Formation
 - Dax Alexo Formation
 - Dsa Arcs Member
 - Dsx Grotto Member
 - Dsp Peechee Member
 - Dmh Mount Hawk Formation
 - Dpx Perdrix Formation
 - Dfl Flume and Maligne Formations
 - DL Basal Devonian Unit
- CAMBRIAN**
- Clixu Lynx Formation
 - Csu Sullivan Formation
 - Cwf Waterfowl Formation
 - Car Arcotomys Formation
 - Cpk Pika Formation
 - Cel Eldon Formation
 - DF Fairholme Group
 - Dsx Southesk Formation
 - Dcn Cairn Formation
 - Eu Upper Cambrian, undivided
 - Em Middle Cambrian, undivided
- FAULTS:**
- Thrust fault (teeth indicate upthrust side)
 - Normal fault (dot indicates downthrown side)
 - National park boundary
- ROADS:**
- Paved
 - Gravel
 - Unimproved

Geology of the Yellowhead Corridor (Cadomin)

Alberta Geological Survey Map 234A (Part 2 of 2)
Published 1998

Compilation by W.N. Hamilton, M.C. Price and D.K. Chao
Canada-Alberta MDA Project M92-04-013

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MINERAL DEPOSITS OF THE YELLOWHEAD CORRIDOR (Cadomin)

Scale 1:100 000

Joins Hinton-Entrance sheet

MINERAL DEPOSIT	STATUS
Dolomite	Prospect
Limestone	Showing
Phosphate	Test
Bentonite	Producer
Clay-Stoneware/Refractory	Past Producer
Clay/Shale, common	
Pumicite	

Producer/Past Producer

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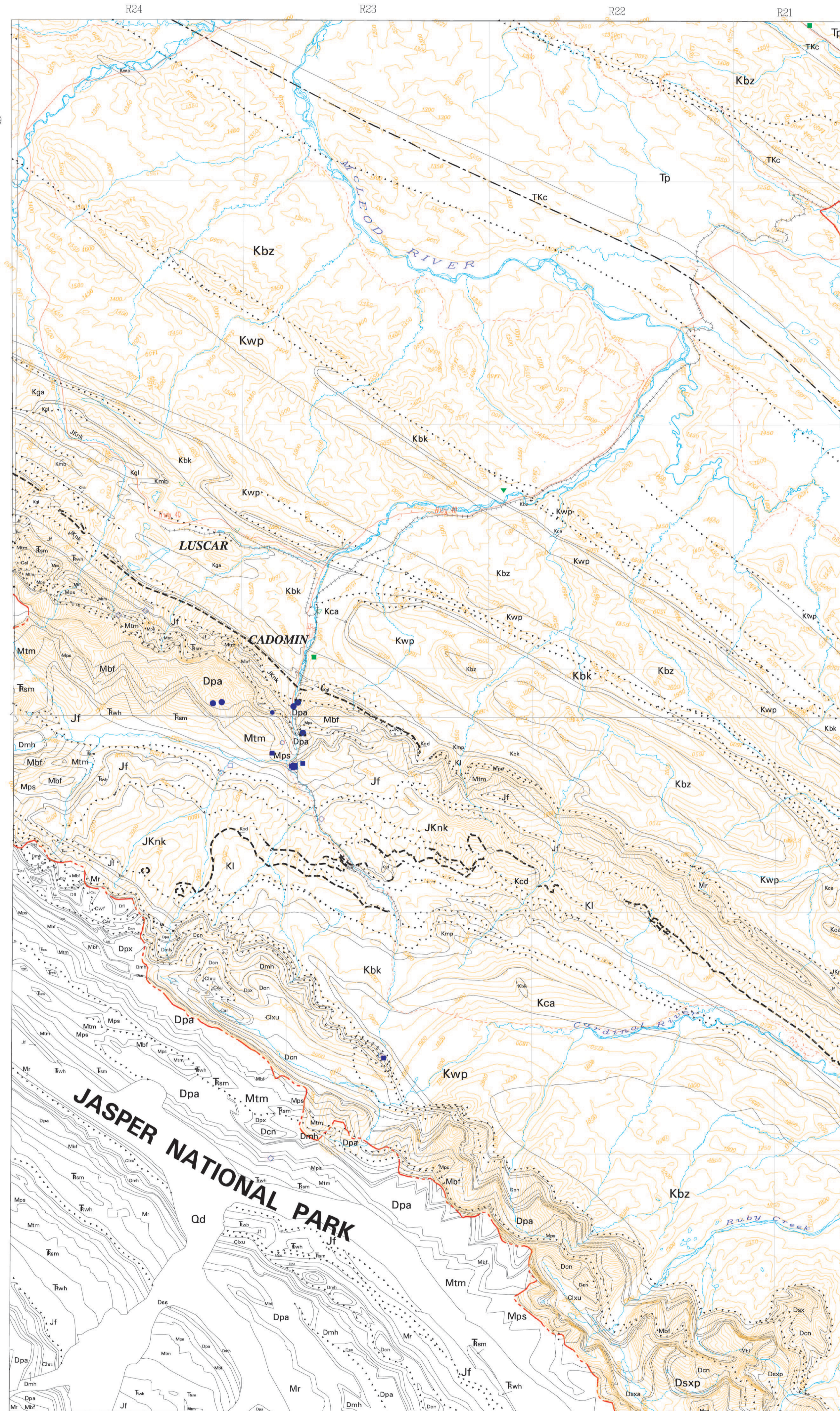
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NTS 83F/3

NTS 83C/14



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JURASSIC	
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TRIASSIC	
Tsr	Spray River Group (Tsr - Ram)
Twh	Whitehorse Formation
Tsm	Sulphur Mountain Formation
MISSISSIPPIAN	
Mr	Rundle Group (Mtm - Mps)
Mtm	Mount Head and Turner Valley Formations
Mps	Shunda and Pekisko Formations
Mbf	Banff and Exshaw Formations
DEVONIAN	
Dpa	Palliser Formation
Df	Fairholme Group (Dax - DL)
Dax	Alexo Formation
Dsx	Southesk Formation (Dsx - Dsxp)
Dsxa	Arcs Member
Dsxp	Grotto Member
Dsxp	Peechee Member
Dcn	Cairn Formation (Dmh - Dfi)
Dmh	Mount Hawk Formation
Dpx	Perdrix Formation
Dfi	Flume and Maligne Formations
DL	Basal Devonian Unit
CAMBRIAN	
Cu	Upper Cambrian, undivided (Clxu - Cwf)
Clxu	Lynx Formation
Csu	Sullivan Formation
Cwf	Waterfowl Formation
Cm	Middle Cambrian, undivided (Car - Cel)
Car	Arctomys Formation
Cpk	Pika Formation
Cel	Eldon Formation

	Alexo Formation
	Cadomin Formation
	Entrance Conglomerate

FAULTS:

	Thrust fault (teeth indicate upthrust side)
	Normal fault (dot indicates downthrown side)

National park boundary

ROADS:

	Paved
	Gravel
	Unimproved

Mineral Deposits of the Yellowhead Corridor (Cadomin)

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