122° 30' 93 O/9 93 O/9 122° 00'

55° 45'



55° 30' 55° 30'

122° 30' 122° 00'

MOUNT HULCROSS

PEACE RIVER LAND DISTRICT

BRITISH COLUMBIA

Scale 1:50,000

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

Geological Survey Branch

OPEN FILE 1993-22

(Sheet 1 of 3)

GEOLOGY OF THE PINE RIVER AREA, NORTHEASTERN BRITISH COLUMBIA

NTS 930/9,10; P/12

Geology by P.C. Jahans

SCALE 1:50 000

0 (metres) 5000

Transverse Mercator Projection NAD83

LEGEND

UPPER CRETACEOUS

SMOKY GROUP

Kd — *DUNVEGAN FORMATION: fine- to coarse-grained carbonaceous sandstone and shale; minor coal*

FORT ST. JOHN GROUP

Kcr — *CRUISER FORMATION: dark grey marine shale with sideritic concretions and interbedded siltstones and sandstones*

LOWER CRETACEOUS

FORT ST. JOHN GROUP

Kgo — *GOODRICH FORMATION: fine- to medium-grained crossbedded sandstone; interbedded shale, mudstone*

Kha — *HASLER FORMATION: dark grey marine shale with sideritic concretions; siltier in lower half*

Kbc — *BOULDER CREEK FORMATION: fine-grained, well sorted sandstone; massive conglomerate; non-marine sandstone and mudstone*

Khu — *HULCROSS FORMATION: dark grey marine shale with sideritic concretions and interbedded siltstones*

Kga — *GATES FORMATION: fine-grained, marine and non-marine sandstones; conglomerate, shale and mudstone*

Km — *MOOSEBAR FORMATION: dark grey marine shale with sideritic concretions; sandstone and minor conglomerate at base*

BULLHEAD GROUP

Kg — *GETHING FORMATION: fine-grained, carbonaceous sandstone; coal, carbonaceous shale; some conglomerate*

Kcd — *CADOMIN FORMATION: massive chert and quartzite pebble conglomerate, and medium- to coarse-grained sandstone*

MINNES GROUP

Kb — *BICKFORD FORMATION: interbedded fine-grained sandstone; silty shale; coal*

Kmc — *MONACH FORMATION: fine- to coarse-grained, argillite to quartzose sandstone*

Kbp — *BEATTIE PEAKS FORMATION: interbedded silty shales and fine-grained sandstone*

JKmt — *MONTEITH FORMATION: fine- to coarse-grained, quartzose sandstone*

JURASSIC

Jf — *FERNIE FORMATION: calcareous and phosphatic shales; thinly interbedded sandstone, siltstone and shale*

SYMBOLS

Bedding orientation (inclined, overturned)

Geologic boundary (observed, inferred)

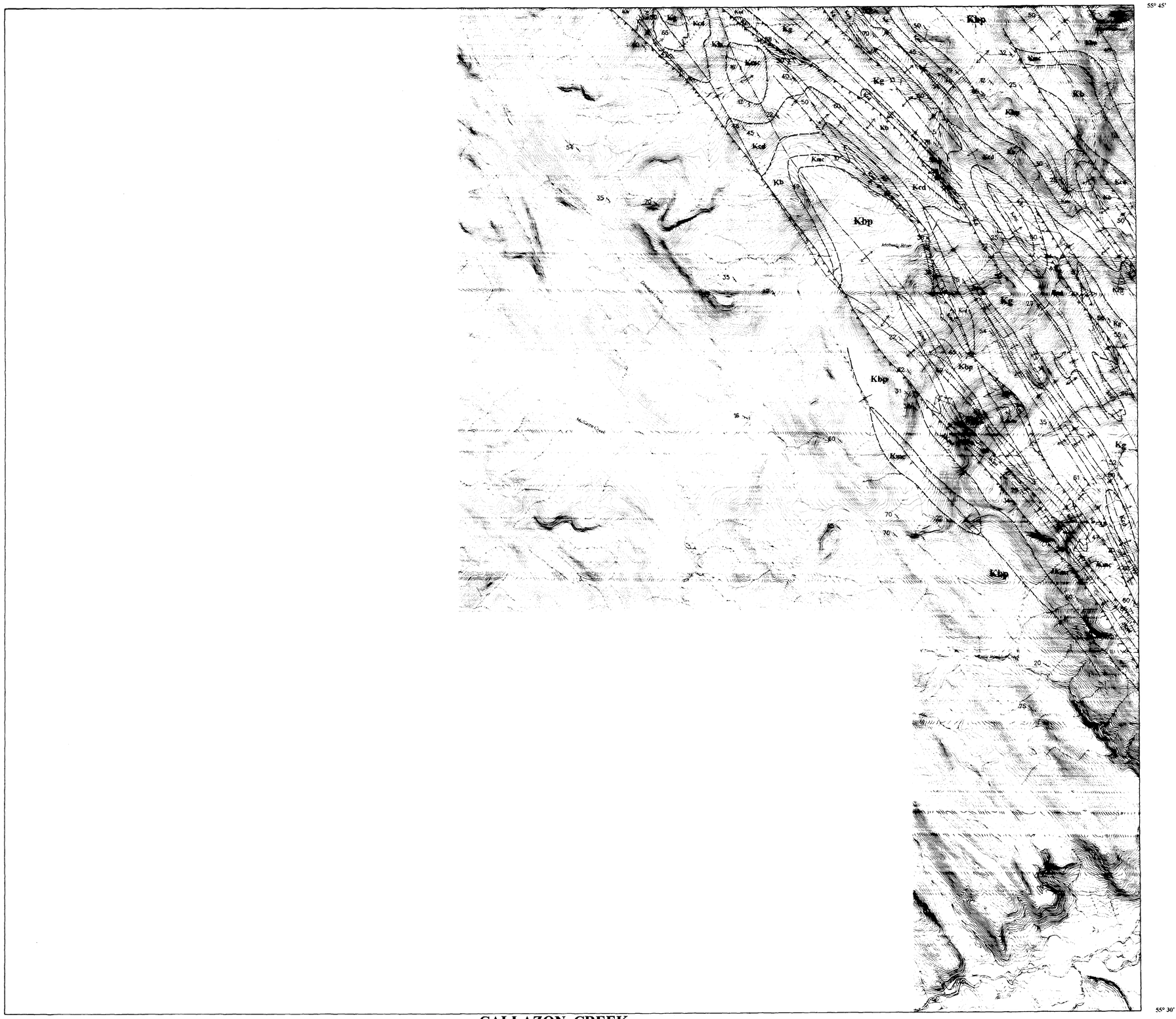
Thrust fault

Anticline, axial surface (upright, overturned)

Syncline, axial surface (upright, overturned)

123° 00'
55° 45'
93 O/10

93 O/10
122° 30'
55° 45'



55° 30'
123° 00'

122° 30'
55° 30'

CALLAZON CREEK

PEACE RIVER LAND DISTRICT

BRITISH COLUMBIA

Scale 1:50,000

Province of British Columbia
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Geological Survey Branch

OPEN FILE 1993-22

(Sheet 2 of 3)

GEOLOGY OF THE PINE RIVER AREA, NORTHEASTERN BRITISH COLUMBIA

NTS 930/9,10; P/12

Geology by P.C. Jahans

SCALE 1:50 000

0 (metres) 5000

Transverse Mercator Projection NAD83

LEGEND

UPPER CRETACEOUS

SMOKY GROUP

Kd — *DUNVEGAN FORMATION: fine- to coarse-grained carbonaceous sandstone and shale; minor coal*

FORT ST. JOHN GROUP

Kcr — *CRUISER FORMATION: dark grey marine shale with sideritic concretions and interbedded siltstones and sandstones*

LOWER CRETACEOUS

FORT ST. JOHN GROUP

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Kge — *GATES FORMATION: fine-grained, marine and non-marine sandstones; conglomerate, shale and mudstone*

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JURASSIC

Jf — *FERNIE FORMATION: calcareous and phosphatic shales; thinly interbedded sandstone, siltstone and shale*

SYMBOLS

Bedding orientation (inclined, overturned) .....

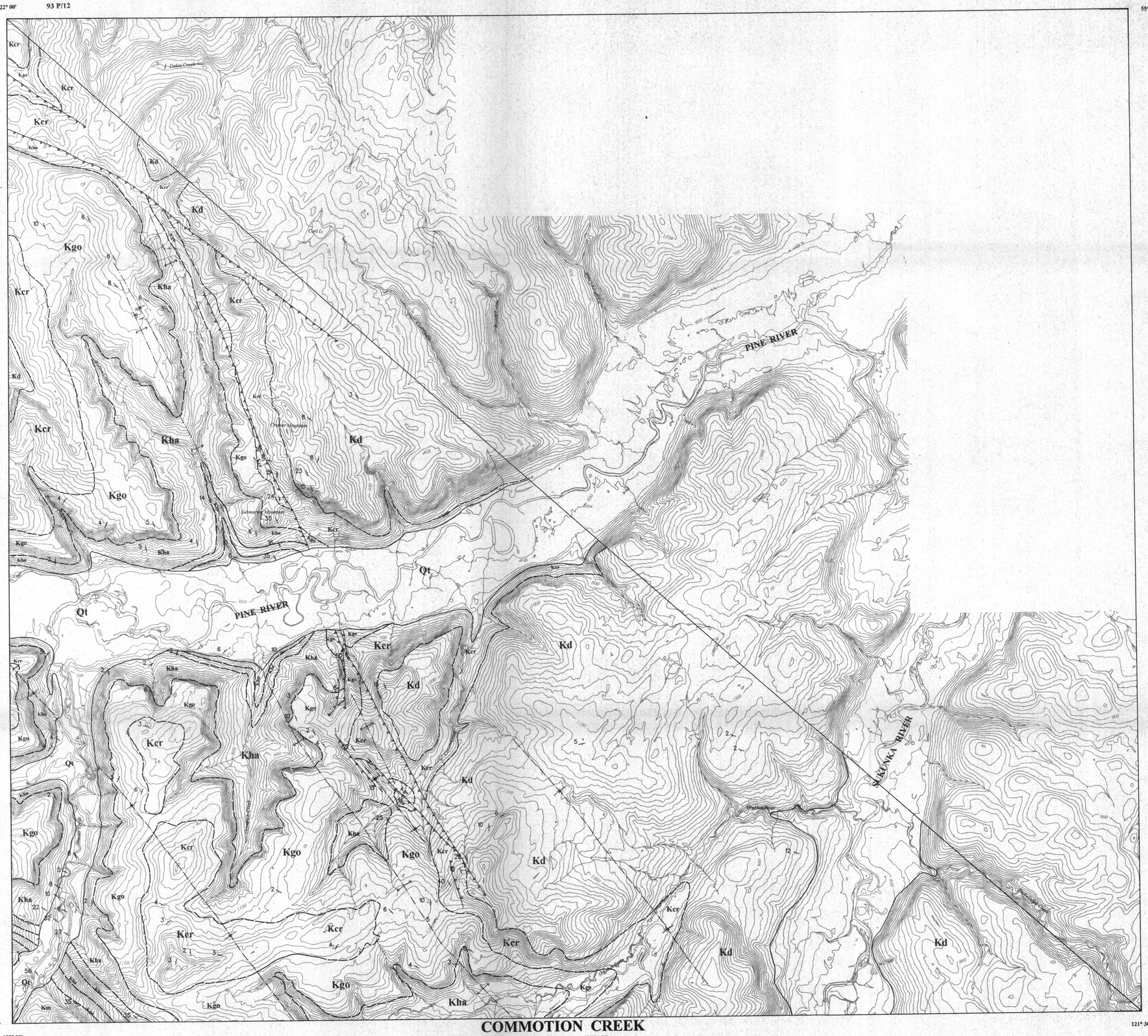
Geologic boundary (observed, inferred) .....

Thrust fault .....

Anticline, axial surface (upright, overturned) .....

Syncline, axial surface (upright, overturned) .....

122° 00'
93 P/12
121° 30'
55° 45'
55° 30'



COMMOTION CREEK

PEACE RIVER LAND DISTRICT

BRITISH COLUMBIA

Scale 1:50,000

Province of British Columbia
Ministry of Energy, Mines and Petroleum Resources

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(Sheet 3 of 3)

GEOLOGY OF THE PINE RIVER AREA, NORTHEASTERN BRITISH COLUMBIA

NTS 930/9,10; P/12

Geology by P.C. Jahans

SCALE 1:50 000

0 (metres) 5000

Transverse Mercator Projection NAD83

LEGEND

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SMOKY GROUP

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FORT ST. JOHN GROUP

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FORT ST. JOHN GROUP

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SYMBOLS

Bedding orientation (inclined, overturned) .....

Geologic boundary (observed, inferred) .....

Thrust fault .....

Anticline, axial surface (upright, overturned) .....

Syncline, axial surface (upright, overturned) .....