

TELKWA COAL 888631

93L/11E

Tom Schwoetes  
Sep. 23/84

## GENERAL

- 18 km from Smithers / 8 km from Telkwa
- Production 1.5 million clean tonnes/yr. over 20yr. life.
- high quality, <sup>low ash</sup> medium to high volatile thermal coal (bituminous)
- export ~~to~~ steam coal
- conventional surface mining methods
- raw coal to be processed on site
- clean coal shipped by rail to Ridley Is. terminal.
- environmental impact anticipated to be minimal
- socio-economic impact anticipated to be positive.
- projected <sup>operational</sup> work force of 300
- Regional population 12-13,000
- ~~Prospectus~~ Stage 1 report filed Dec. '83.
- \* - relatively small scale

## GEOLOGY

- Telkwa coal field ~ 125 km<sup>2</sup>. / ~ 14 km north of Telkwa R.  
~ 5 km south " " "
- interbedded marine + non-marine sed. & volc. of Skeena Gp. (early to late Cretaceous age) - lies up on Hazelton Gp.
- sed. incl. mudstone, sst, ss, sh, cgl.
- Telkwa Basin - steps in stream valleys
- presence of thin volc. ash beds (tonsteins) indicates volc. + sed. occurred contemporaneously during lower Cret.

## STRATIGRAPHY + STRUCTURE

- 10 major correlative coal seams (no. 1 to 10 in ascending order)
- av. aggregate thickness of upper 9 seams = 14 to 18m.
- East of Goathorn Ck. (av. .5 to 4.5 m thick), West = up to 7.5m

- Structure - complex - N-S reverse & normal faults - displacement up to 50m.
- East of Goathorn Ck. = 170°/10°-35° east
- West " " = 090°/10°-30° south



- Electrical Power - BC Hydro @ 138 kv level
- Natural Gas - up to 20,000 cubic metres/day may be req'd for processing + building heat. - Available thru Pacific Northern Gas (~ 4 km from plant site)
- Water + Sewage - wells + Goathorn Ct.
- Construction - approx. 18 mos.
  - labour force av. 130 to peak of 250
- Land Status - 72% Crown, 5% leased, 23% private
- Access - east + west corridors.

TELKWA COAL Feb. 16/66  
 Santoy Res. (Rupert Allen  
 + Ron Detolitsky)  
 interested in acquiring  
 105



Malcolm Ross  
Mike Goldrick  
- ~~Smithers~~

# Teikwa Coal

- Quinsam  
Nov. 23/82

West ~ 4m tons - broken up - limited potential  
East ~ 95 m tons

~ 50m tons coal in place  
1- 1½ m tons/yr over 20 yrs.  
late '80s to open?

~ 15 coal seams - only concerned with upper seams  
- ~~#1~~ bulk sampling next - before more drilling summer '83  
will need to do minor washing of coal

Deep Seam - #1

→ Thermal Coal