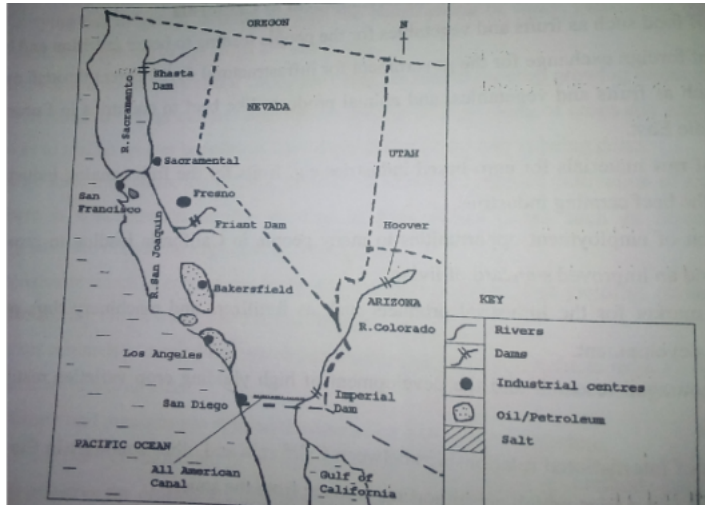


## INDUSTRIAL/MANUFACTURING SECTOR IN CALIFORNIA.

California is highly developed with major industries like food processing industries, textile industries, engineering industries, chemical industries, oil refinery industries, auto mobile industries etc .

Major industrial areas include San Diego, San Francisco, San Jose, Fresno, Los Angeles.

A SKETCH MAP OF CALIFORNIA SHOWING MAJOR MINING CENTRES.



## FACTORS OR CONDITIONS WHICH HAVE FAVOURED THE DEVELOPMENT AND GROWTH OF MANUFACTURING INDUSTRIES IN CALIFORNIA.

### Physical factors.

\* presence of large water bodies around California e.g Pacific ocean, R. sacramento which provides water used to cool the industrial machines.

\* Presence of favourable climatic conditions in California e.g ice free seasons that favours smooth running of industrial activities e.g oil drilling throughout the year

\* Presence of numerous rivers in California e.g Sacramento, Colorado which are used to generate HEP to run mining machines in industrial centres e.g San Francisco, San Diego etc.

\* Variety of valuable and commercial mineral deposits e.g coal, iron ore, natural gas which has helped manufacturing industry to compete on world market.

\* Large extensive land in California e.g in San Diego, Fresno which is used to set up mining centres and to expand industries.

\* Presence of raw material in industrial centres in California eg iron ore, agricultural products which are used in industries to manufacture other products .

### **Human factors.**

\* Skilled labour in California e.g mineral surveyors,drivers, mine managers who have helped to do work in industries.

\* Sufficient capital in California e.g from government and investors which has been used to pay workers,taxes and buying machines used in manufacturing industries.

\* Efficient and reliable transport networks in California e.g railway lines,roads which are used to connect centres e.g San Diego, Fresno,San Francisco to market areas.

\* Favourable and supportive government policy in California e.g tax holiday, issuing of manufacturing license to companies which have helped to attract investors and market to mining industry.

\* Presence of wide and ready market in California e.g domestic and international levels eg Europe, Asia which has helped to buy industrial products.

\* Advanced and modern technology in California e.g pipe line systems,exavator which have simplified work and production in industries.

\* Sufficient power supply in California e.g HEP generated from rivers like r.sacramento, Colorado which is used to run machines in industries.

\* Intensive mineral research in California e.g on market control, extraction control which has helped to improve on quality of industrial production.

\* Political stability in California e.g police that keep law and order which has attracted investors and market to industries.

## CONTRIBUTIONS/IMPORTANCE/BENEFITS OF THE MINING TO THE DEVELOPMENT OF CALIFORNIA.

\* It has provided employment opportunities to the people of California e.g industrial Managers, drivers which has earned them income.

\* Industrial sector has provided raw materials to industries e.g mineral processing industries e.g iron and steel industries which has been used to manufacture other products e.g metals.

\* It has generated revenue to the government of California which has been used to development infrastructures like roads, schools and hospitals.

\* industrial sector has promoted infrastructural developments in California e.g school roads which have improved standards of living in California.

\* It promoted diversification of the economy in California e.g setting up of mining centres national wide which has reduced on over depending on few sectors in California.

\*Industrial sector has promoted urbanisation in California e.g through infrastructural developments like roads this has led to development in the countrylike in San Diego,San Francisco.

\* It has promoted foreign exchange and currency in California e.g with Europe, Asia which has helped to settle international debts and infrastructural developments.

\* industrial sector has promoted international relations between California with others like Europe Asia which has helped to promote peace and unity in the region.

\* It has provided market to others sectors in California e.g agricultural industry which has helped others sectors earn income for development.

\* industrial sector has promoted the development of others sectors within the economy in British Columbia e.g tourism which has encouraged development in California.

\* It has promoted education and research e.g Universities and colleges in California which has helped students to acquire knowledge and skills about industrial Field.

## PROBLEMS AND CHALLENGES FACED BY THE INDUSTRIAL SECTOR IN CALIFORNIA.

- \* Exhaustion of some valuable mineral deposits e.g iron ore which leads to their extinction
- \* Unfavorable climatic conditions e.g winter which interrupts industrial activities hence limiting production.
- \* Competition from other countries dealing in industrial products e.g Europe Asia which leads industrial sector to losses and limits production.
- \* High costs of transport in California e.g railway lines which is expensive to construct and maintain hence high spending industrial companies.
- \* Limited skilled labour in industrial sector this has made work and production difficult in California's mining sector.
- \* Unsupportive government policy e.g high taxation in California which has discouraged investors and market to industrial sector.
- \* Occurrence of accidents while carrying out industrial activities in California which has caused injuries and death hence discouraging production.
- \* Political instability especially from strikes among industrial workers discourage investors and market.
- \* Labour migration to other sectors e.g fishing which has slowed and discouraged the industrial activities.
- \* Low levels of technology e.g duplicated machinery which make work and production difficult in industrial sector.
- \* Competition within the economy with other sectors e.g fishing which leads to underfunding of industrial sector by the government and labor migration hence limiting production.

## **WAYS OF IMPROVING OR SOLUTIONS TO THE PROBLEMS FACED BY INDUSTRIAL SECTOR IN CALIFORNIA**

\*Mechanisation such as use of machines should be used to solve the problem of shortage of skilled labour.

\*Use of protective equipments like helmets, coloured clothes to minimize the occurrence of accidents on waters.

\*Use of other sources of energy e.g solar HEP to solve the problem of over production and mineral exhaustion.

\*Construction of modern transport networks to ease the transportation of mineral products to market centres e.g pipe lines.

\*Modern advertisements to compete on the world market with other countries.

\*Use of advanced technology to solve the problem of low levels of technology.

\*Intensive research on mineral issues to improve on the quality of production and getting of market.

\* Improvement on workers conditions in mining to solve the problem of labor migration.

## **PROBLEM RESULTING OR CAUSED BY THE MINING SECTOR TO THE HUMAN AND PHYSICAL ENVIRONMENT IN BRITISH COLUMBIA.**

### **Problems on the Human environment.**

✓ Accidents occurrence during industrial activities leading to injuries and loss of lives.

✓ Labour migration in other sectors leading to labor shortage in other sectors eg fishing.

✓ rural urban migration which leads to over population in the mining towns.

✓ Displacement of people leading to creation of unplanned settlements eg slums.

✓ Regional imbalance in the country which leaves industrial towns more developed than other town without minerals.

✓ urban related problems like prostitution which increase high crime rates in industrial towns.

✓ profit repatriation by foreigners which leaves the country underdeveloped.

### **Problems on the Physical environment.**

- ✓ Pollution by mining industries in form of air,water, sound and land pollution which cause diseases to the living organisms in the environment.
- ✓ Exhaustion of mineral deposits due to over production.
- ✓ Destruction of natural vegetation that leads to increased soil erosion, global warming.
- ✓ Open cast method creates pits and depression on the Earth's surface which act as breeding areas for mosquitoes causing disease to people.