

SRTATIGRAPHICAL CLASSIFICATION

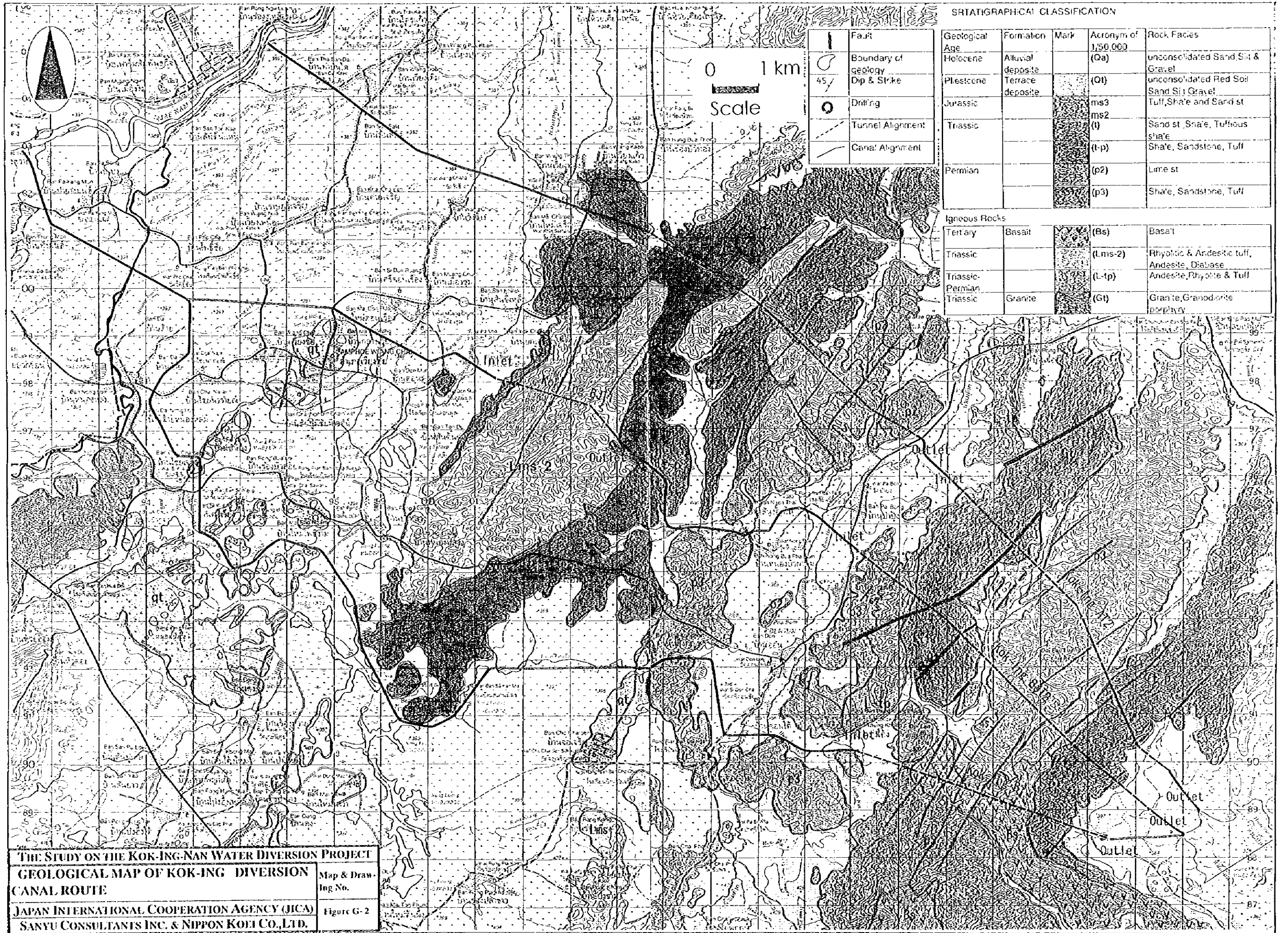
Geological Age	Formation	Mark	Acronym of 1/50,000	Rock Facies
Holocene	Alluvial deposit		(Oa)	unconsolidated Sand, Silt & Gravel
Pliocene	Terrace deposit		(Ot)	unconsolidated Red Soil Sand Silt Gravel
Jurassic			ms3	Tuff, Shale and Sand st.
Triassic			ms2	Sand st., Shale, Tuffeous shale
			(t-p)	Shale, Sandstone, Tuff
Permian			(p2)	Lime st.
			(p3)	Shale, Sandstone, Tuff

Igneous Rocks				
Tertiary	Basalt		(Bs)	Basalt
Triassic			(Lms-2)	Rhyolitic & Andesitic tuff, Andesite, Diabase
			(L-tp)	Andesite, Rhyolite & Tuff
Triassic-Permian	Granite		(Gt)	Granite, Granodiorite porphyry
Triassic				

- Fault
- Boundary of geology
- Dip & Strike
- Drilling
- Tunnel Alignment
- Canal Alignment

0 1 km
Scale

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT
GEOLOGICAL MAP OF KOK-ING DIVERSION CANAL ROUTE
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.
 Map & Drawing No. _____
 Figure G-2



STRATIGRAPHICAL CLASSIFICATION

Geological Age	Formation	Mark	Acronym of 1/50,000	Rock Facies
Holocene	Alluvial deposit		(Da)	unconsolidated Sand, Silt & Gravel
Pleistocene	Terrace deposit		(Ot)	unconsolidated Red Soil Sand, Silt & Gravel
Jurassic			ms3	Tuff, Shale and Sand st
Triassic			ms2	Sand st, Shale, Tuffous shale
			(t-p)	Shale, Sandstone, Tuff
Permian			(p2)	Lime st
			(p3)	Shale, Sandstone, Tuff

Igneous Rocks		Mark	Acronym	Rock Facies
Tertiary	Basalt		(Bs)	Basalt
Triassic			(Lms-2)	Rhyolite & Andesite tuff, Andesite, Diabase
			(L-tp)	Andesite, Rhyolite & Tuff
Triassic-Permian	Granite		(Gt)	Granite, Granodiorite porphyry
Triassic				

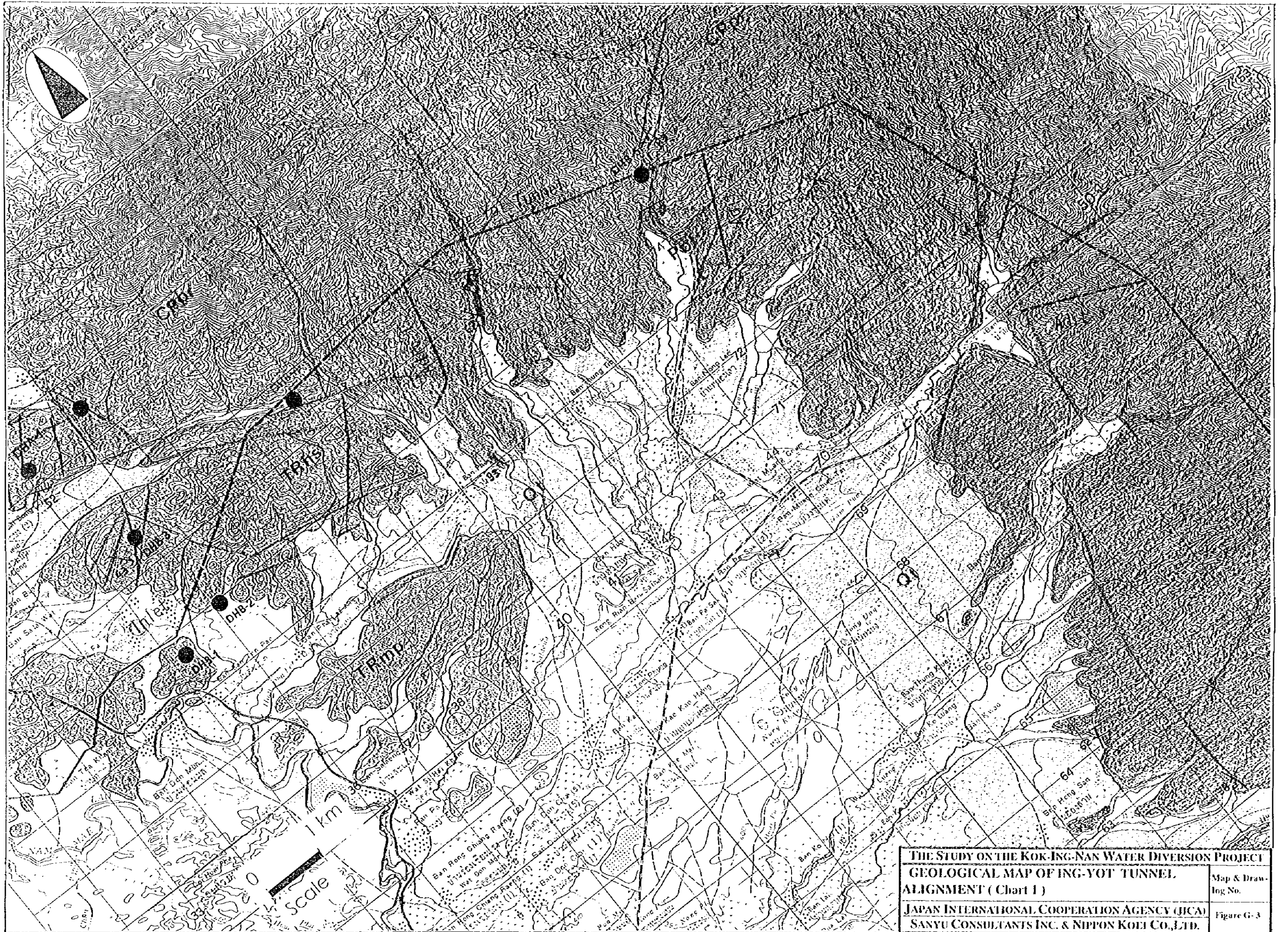
THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT
GEOLOGICAL MAP OF KOK-ING DIVERSION CANAL ROUTE
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
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 Figure G-2



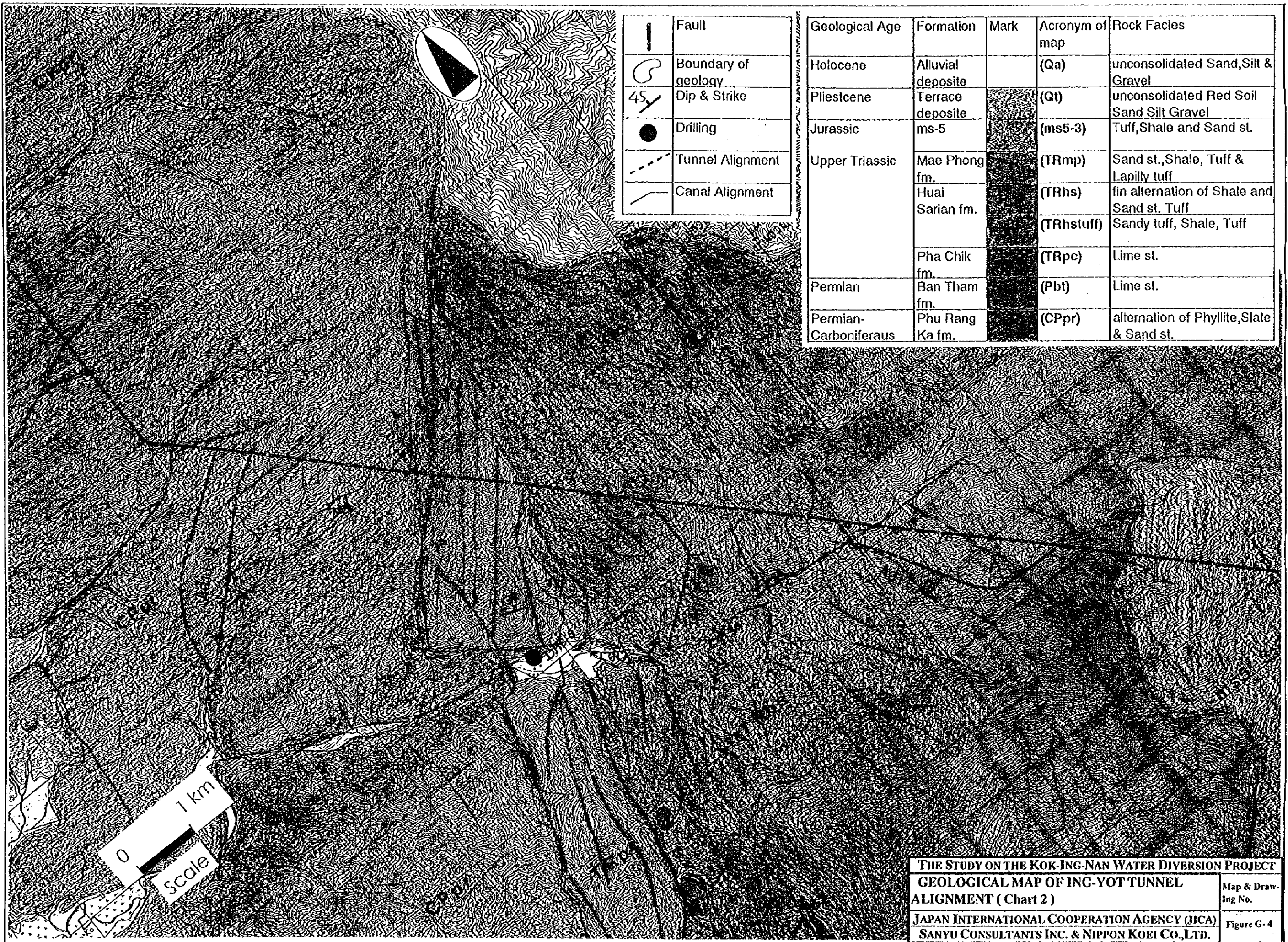
THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT
**GEOLOGICAL MAP OF ING-YOT TUNNEL
ALIGNMENT (Chart 1)**
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.

Map & Draw.
Ing No.

Figure G-3



THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT GEOLOGICAL MAP OF ING-YOT TUNNEL ALIGNMENT (Chart 1)		Map & Draw- log No.
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) SANYU CONSULTANTS INC. & NIPPON KOKI CO., LTD.		Figure G-3



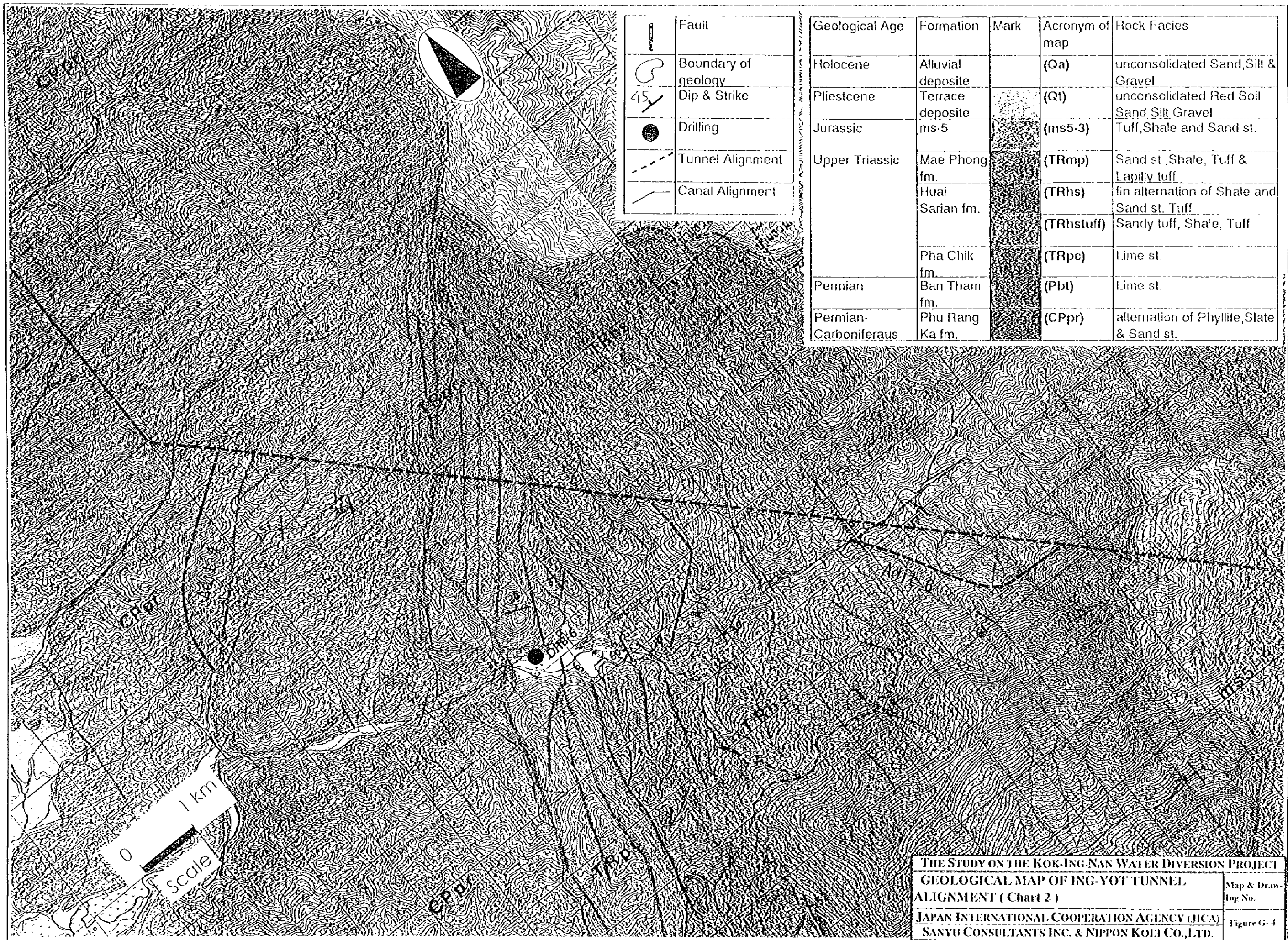
	Fault
	Boundary of geology
	Dip & Strike
	Drilling
	Tunnel Alignment
	Canal Alignment

Geological Age	Formation	Mark	Acronym of map	Rock Facies
Holocene	Alluvial deposit		(Qa)	unconsolidated Sand, Silt & Gravel
Pleistocene	Terrace deposit		(Qt)	unconsolidated Red Soil Sand Silt Gravel
Jurassic	ms-5		(ms5-3)	Tuff, Shale and Sand st.
Upper Triassic	Mae Phong fm.		(TRmp)	Sand st., Shale, Tuff & Lapilly tuff
	Huai Sarian fm.		(TRhs)	fin alternation of Shale and Sand st. Tuff
	Pha Chik fm.		(TRpc)	Sandy tuff, Shale, Tuff
Permian	Ban Tham fm.		(Pbt)	Lime st.
Permian-Carboniferous	Phu Rang Ka fm.		(CPpr)	alternation of Phyllite, Slate & Sand st.

0 1 km
scale

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT
GEOLOGICAL MAP OF ING-YOT TUNNEL ALIGNMENT (Chart 2)
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)
 SANYU CONSULTANTS INC. & NIPPON KOEI CO., LTD.

Map & Drawing No.
Figure G-4



	Fault
	Boundary of geology
	Dip & Strike
	Drilling
	Tunnel Alignment
	Canal Alignment

Geological Age	Formation	Mark	Acronym of map	Rock Facies
Holocene	Alluvial deposite		(Qa)	unconsolidated Sand, Silt & Gravel
Pliestcene	Terrace deposite		(Qt)	unconsolidated Red Soil Sand Silt Gravel
Jurassic	ms-5		(ms5-3)	Tuff, Shale and Sand st.
Upper Triassic	Mae Phong fm.		(TRmp)	Sand st., Shale, Tuff & Lapilly tuff
	Huai Sarian fm.		(TRhs)	fin alternation of Shale and Sand st. Tuff
	Pha Chik fm.		(TRpc)	Sandy tuff, Shale, Tuff
Permian	Ban Tham fm.		(Pbt)	Lime st.
Permian-Carboniferaus	Phu Rang Ka fm.		(CPpr)	alternation of Phyllite, Slate & Sand st.

0 1 km
Scale

THE STUDY ON THE KOK-ING-NAN WATER DIVERSION PROJECT
GEOLOGICAL MAP OF ING-YOT TUNNEL ALIGNMENT (Chart 2)
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Map & Draw-
ing No.
Figure G-4