



Instituto Tecnológico
GeoMinero de España



JUNTA DE ANDALUCÍA
Consejería de Economía y Hacienda
Dirección General de Industria, Energía y Minas

**EVALUACIÓN DE LA SEGURIDAD
EN EXPLOTACIONES MINERAS
A CIELO ABIERTO (CANTERAS)
DE LA COMUNIDAD
AUTÓNOMA DE ANDALUCÍA**

TOMO II. ANEXO



SECRETARIA GENERAL DE LA ENERGIA Y RECURSOS MINERALES
MINISTERIO DE INDUSTRIA Y ENERGIA

01272

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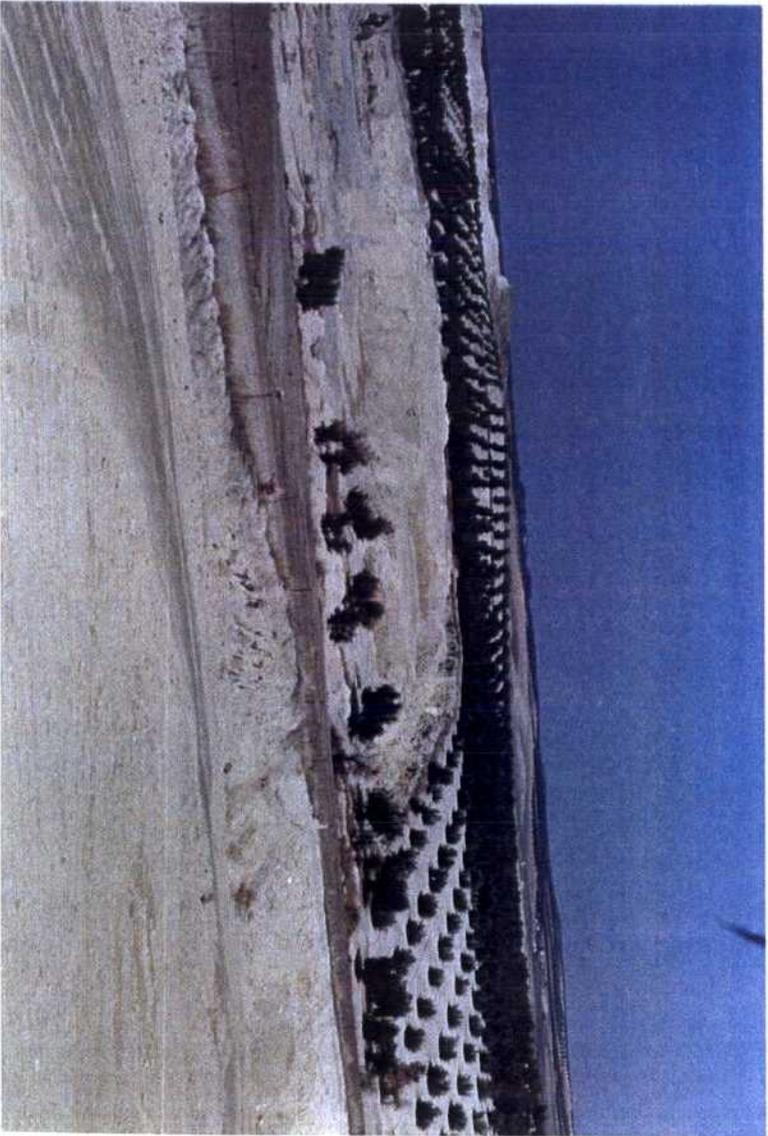
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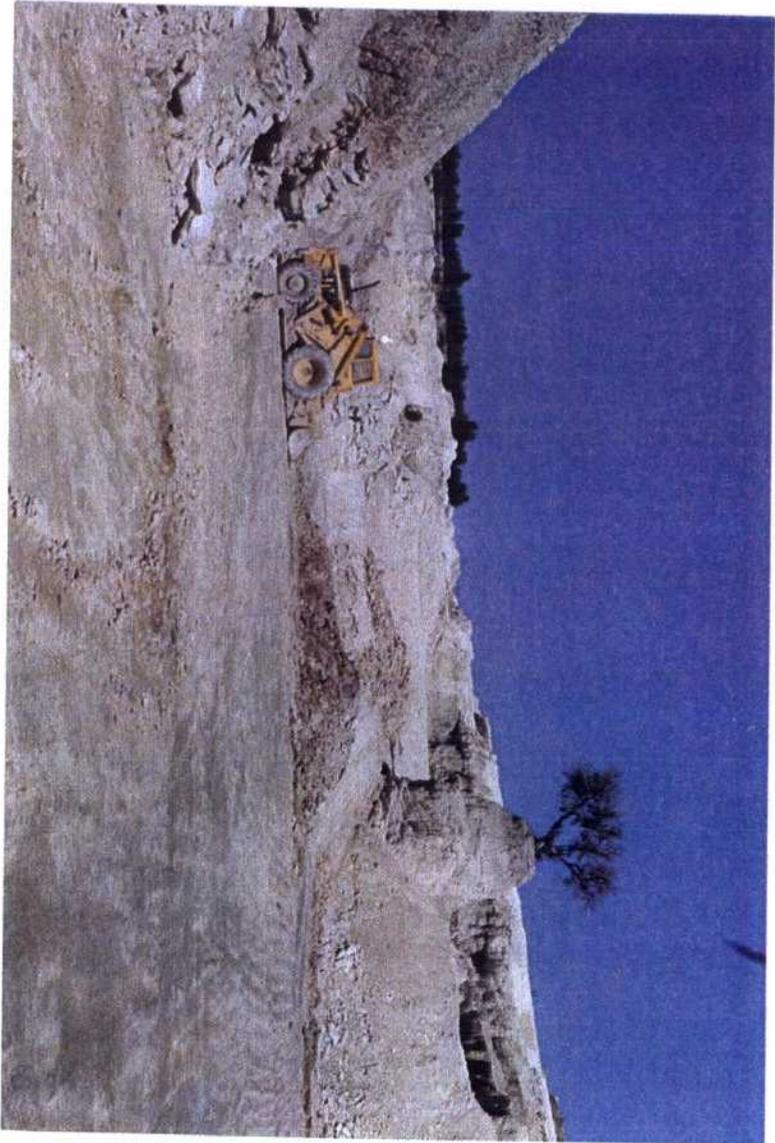
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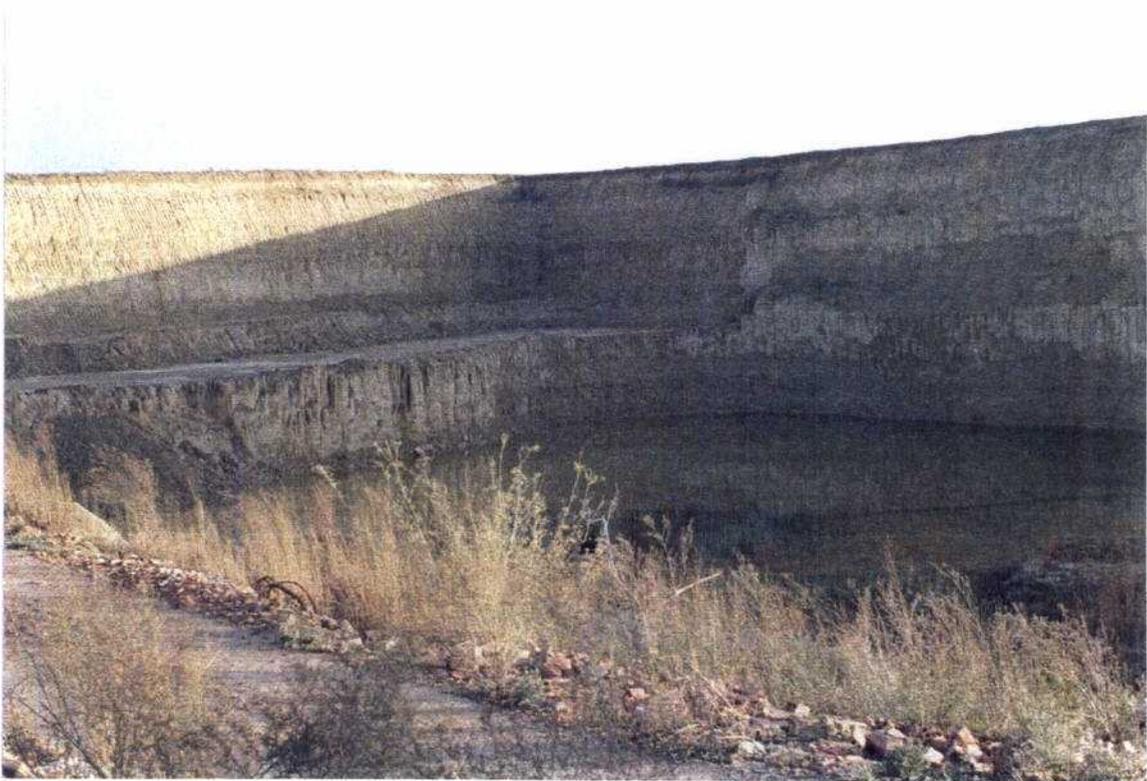
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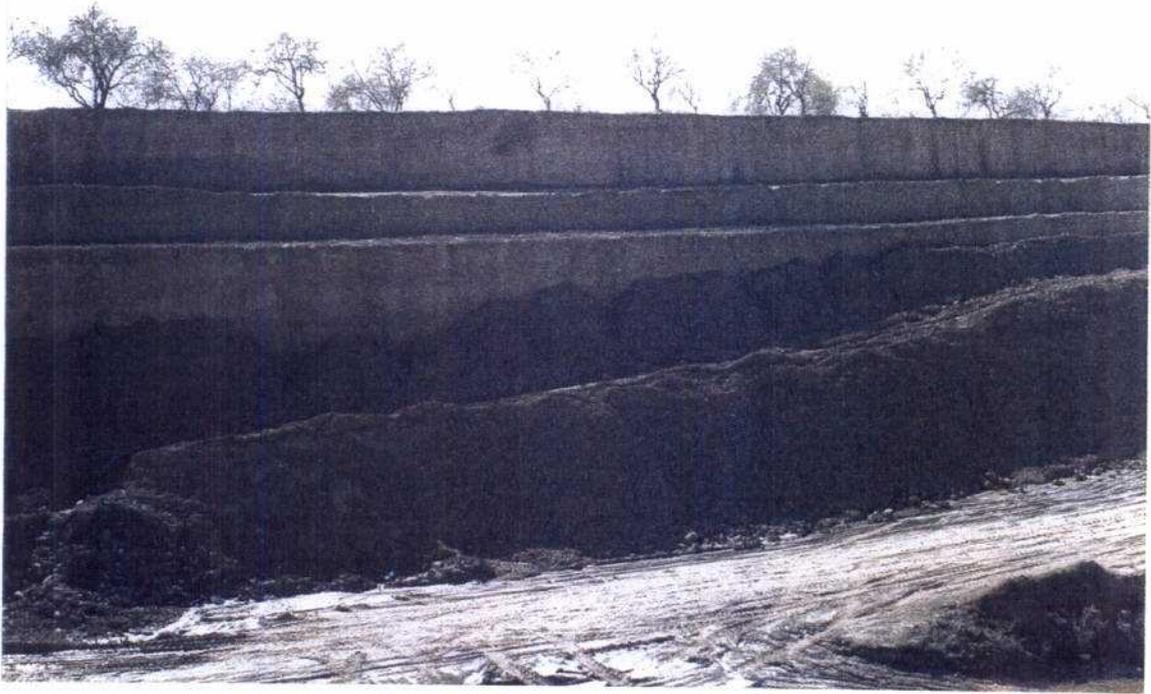
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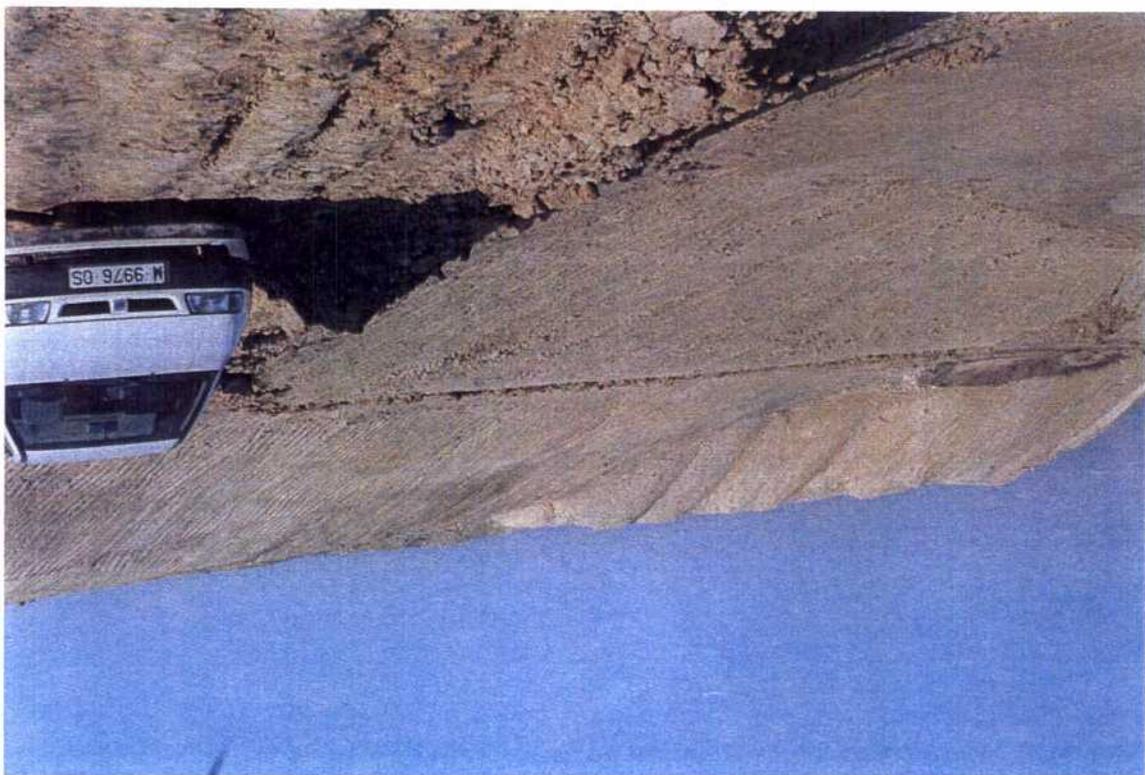


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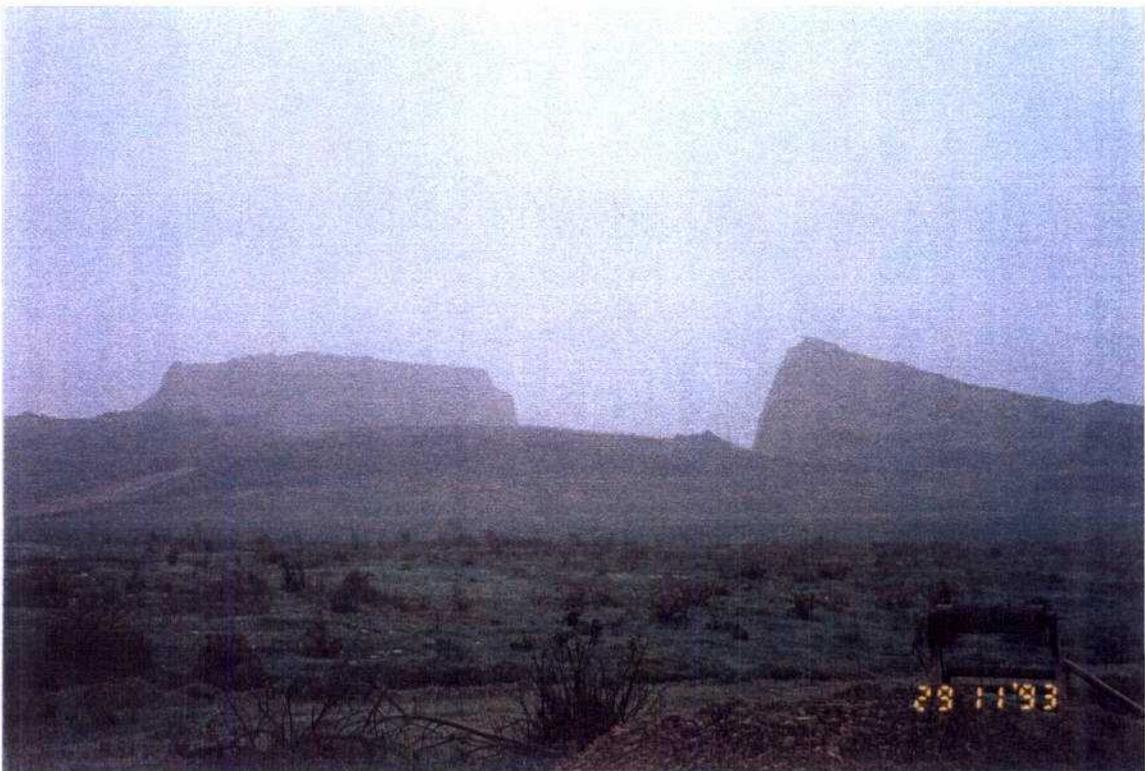
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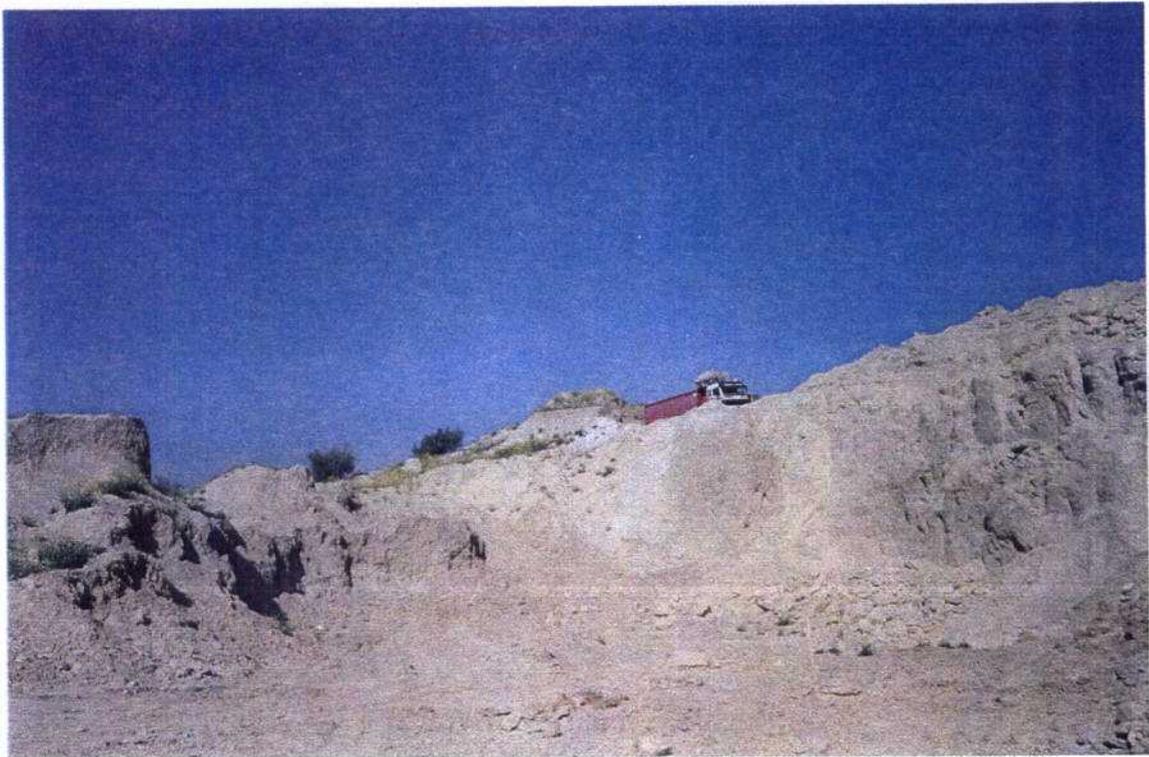
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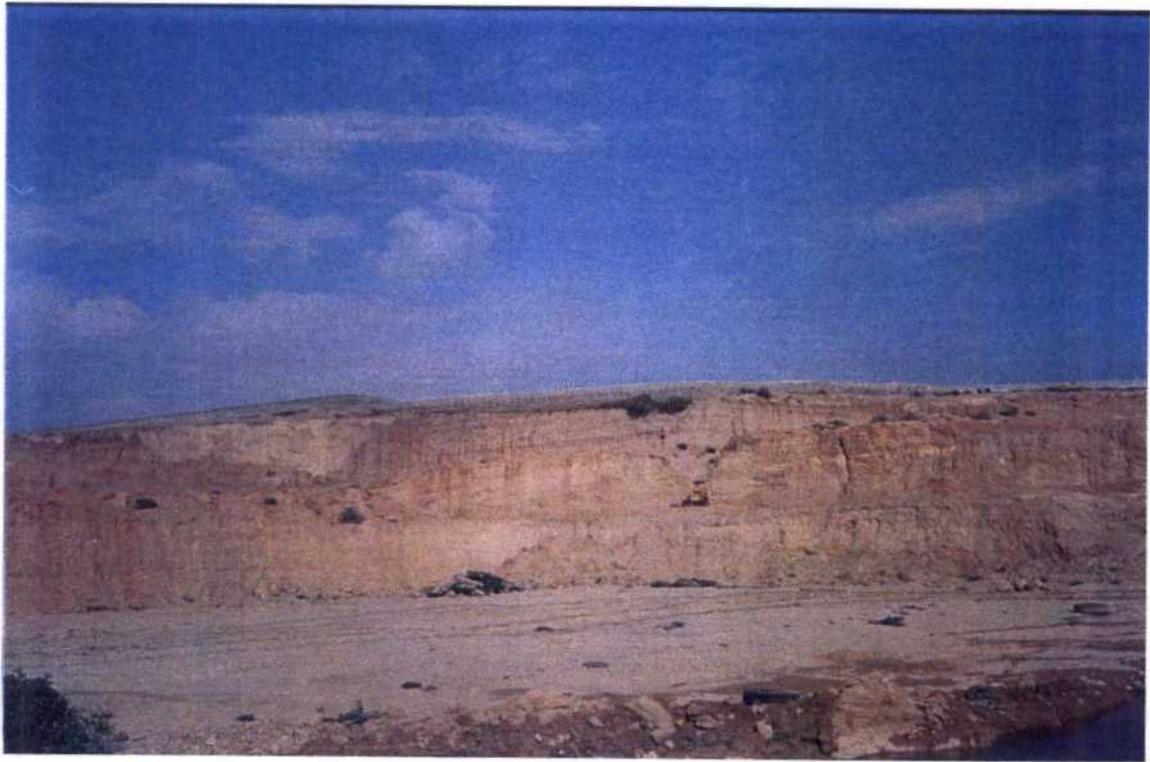
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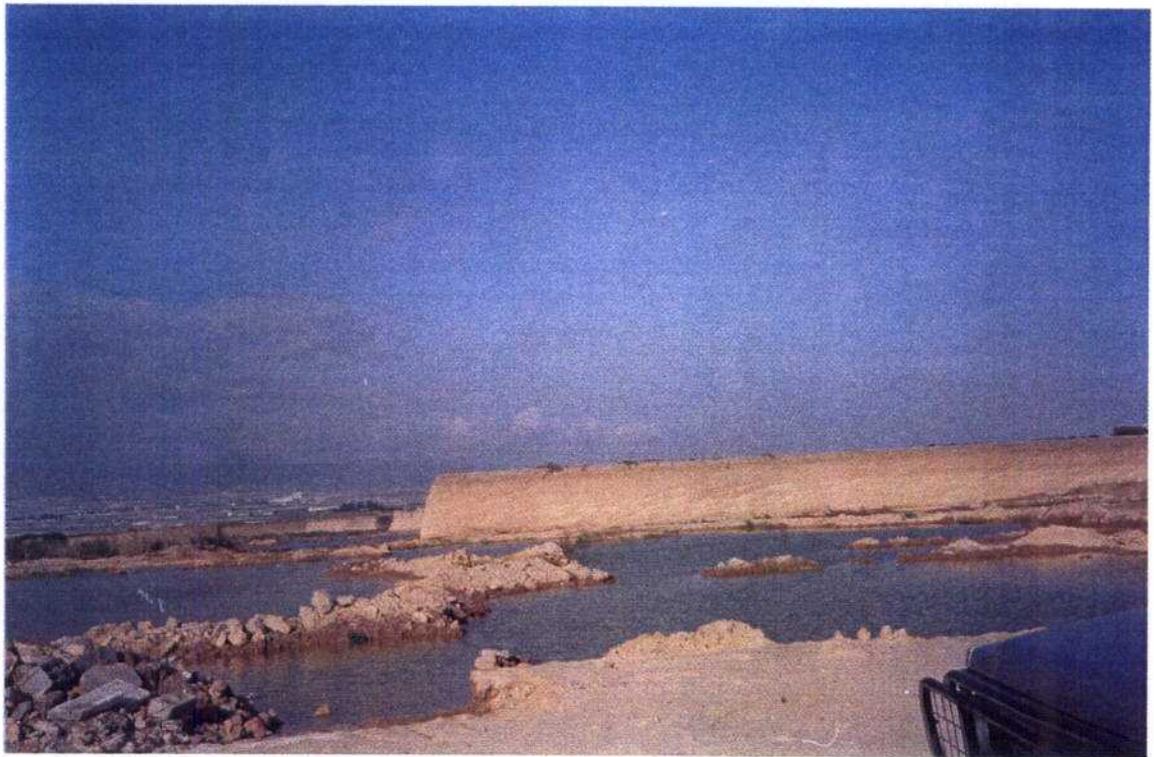
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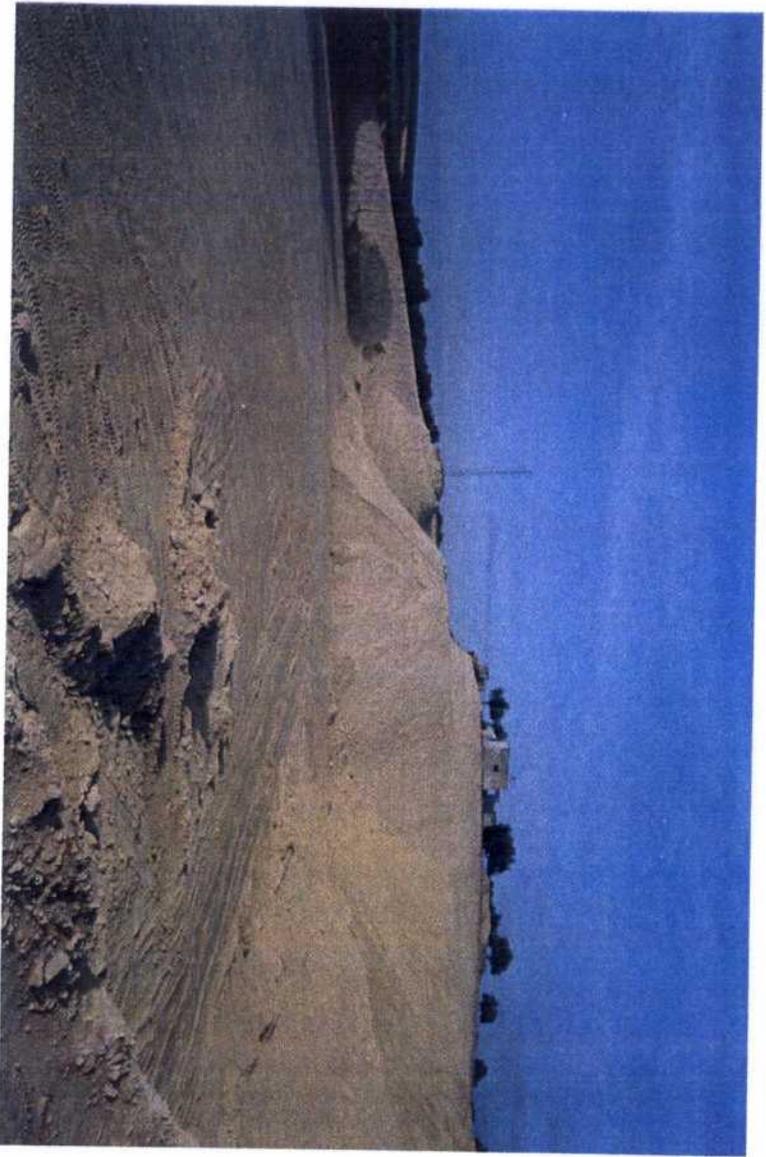
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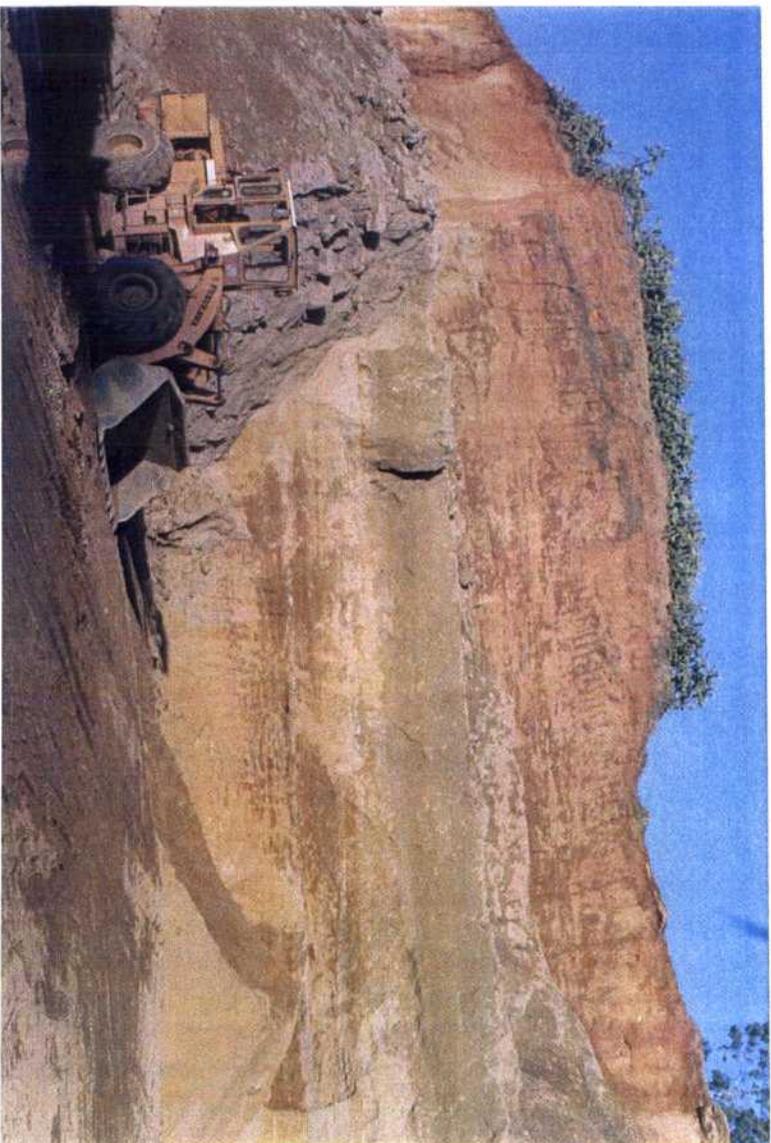


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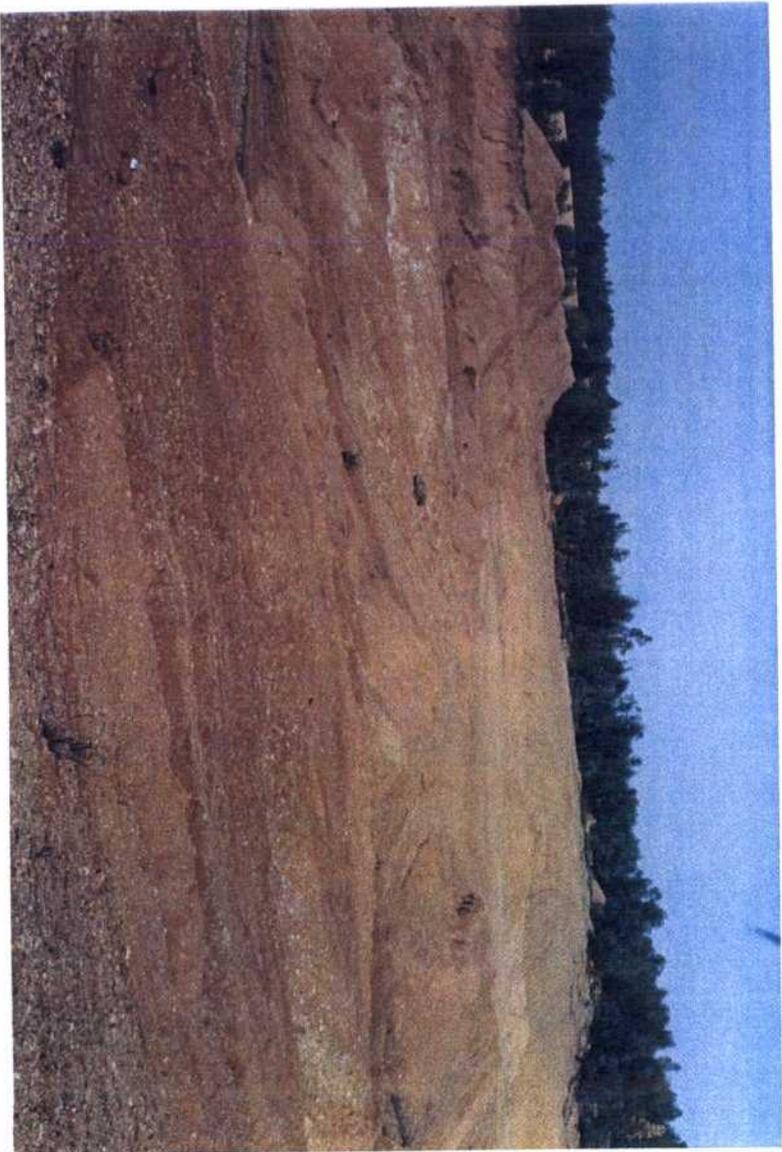
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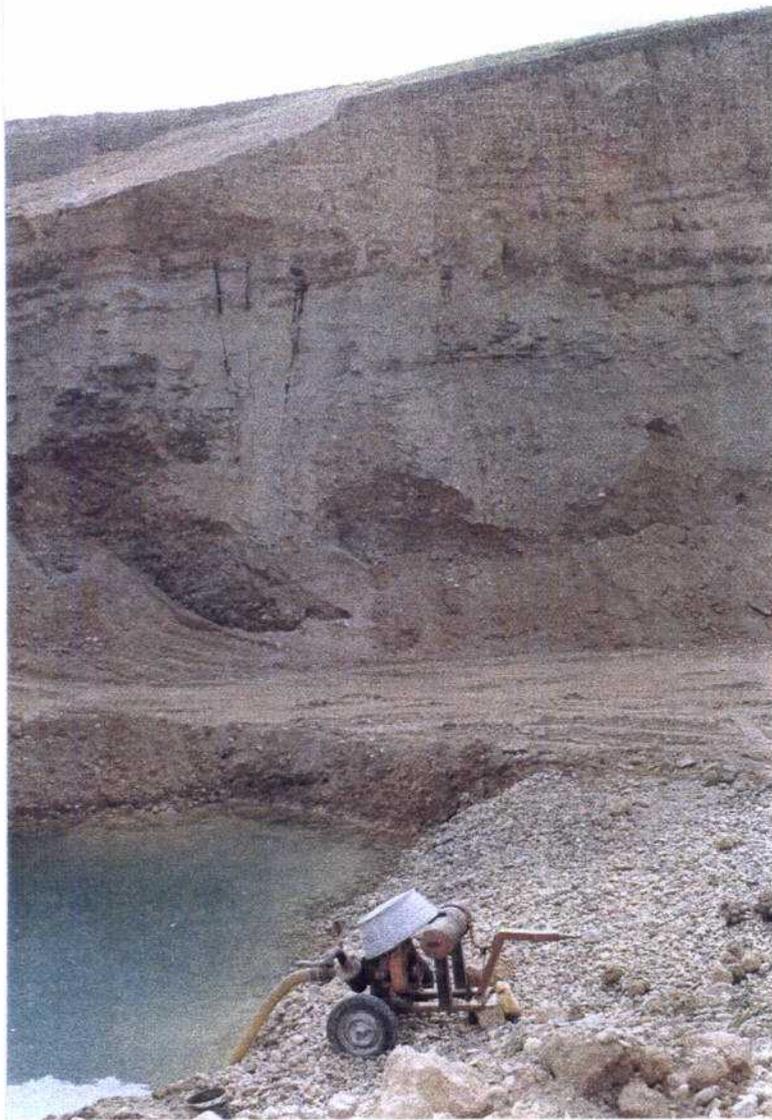
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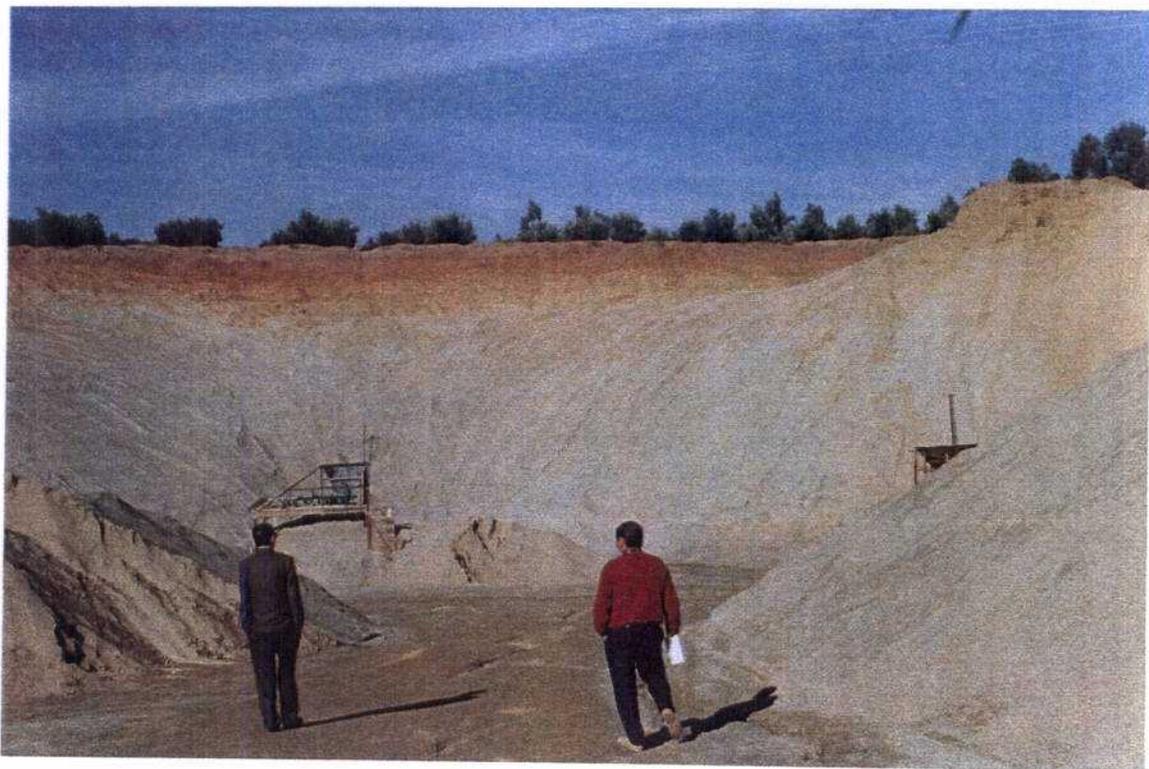
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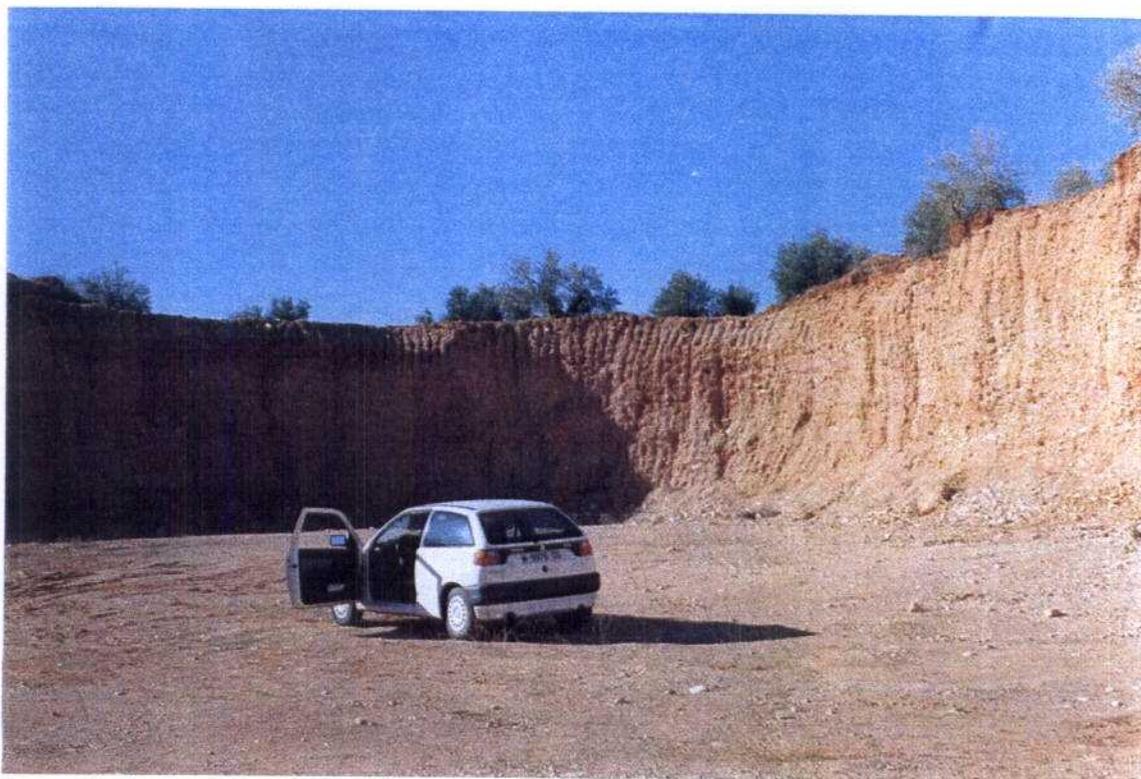
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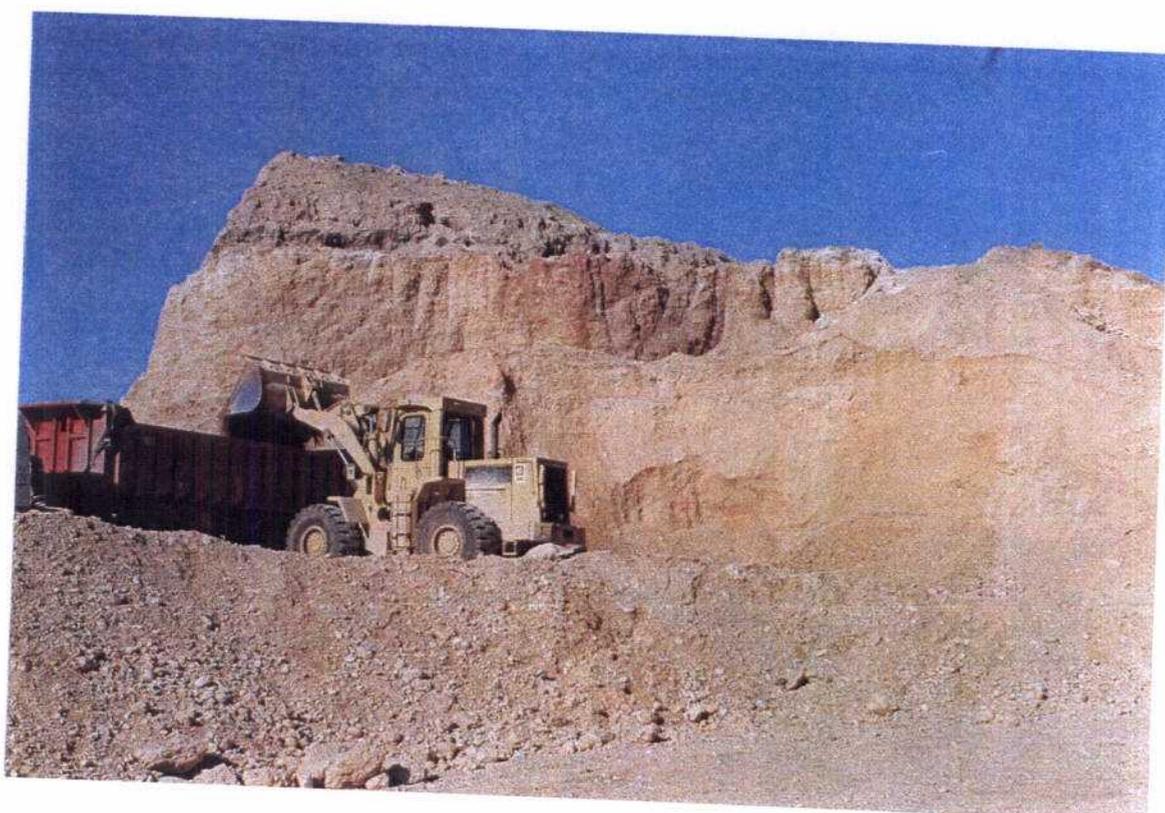
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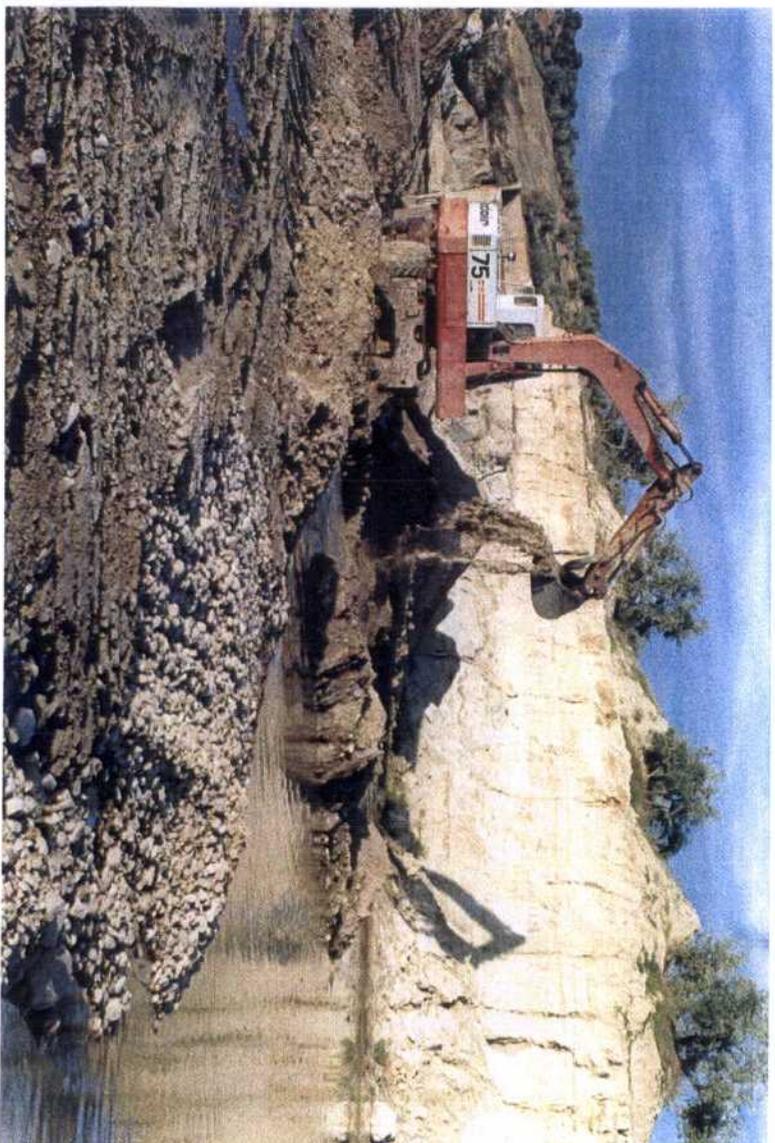
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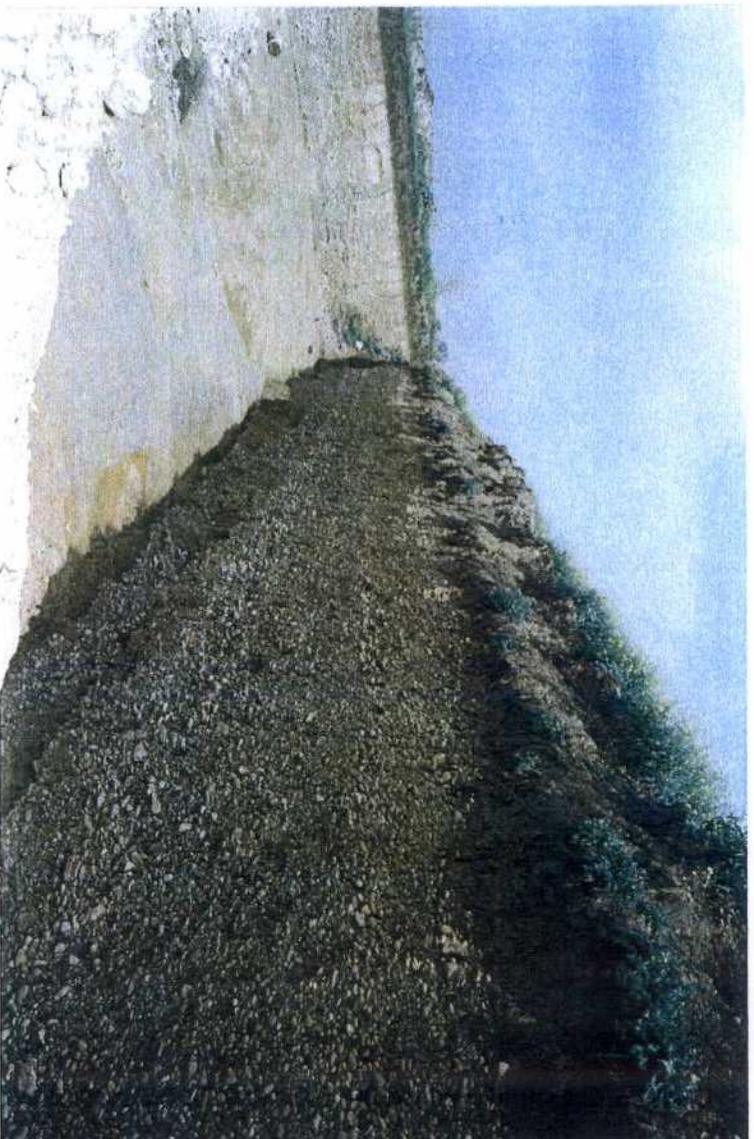
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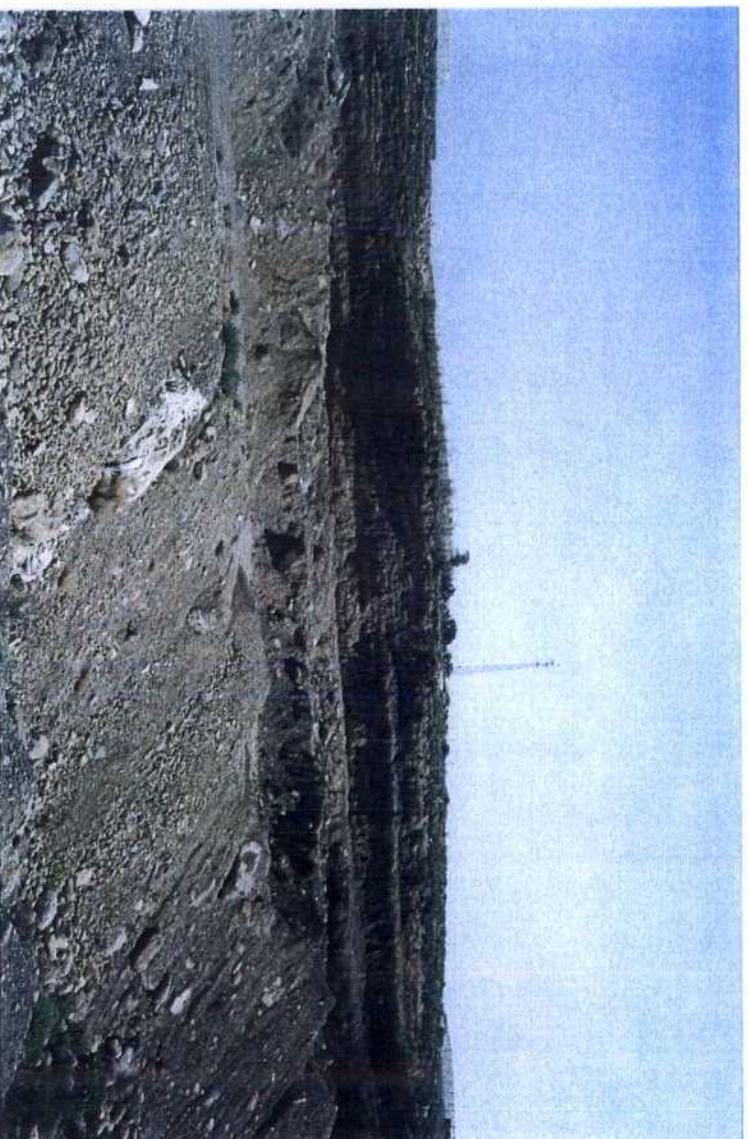
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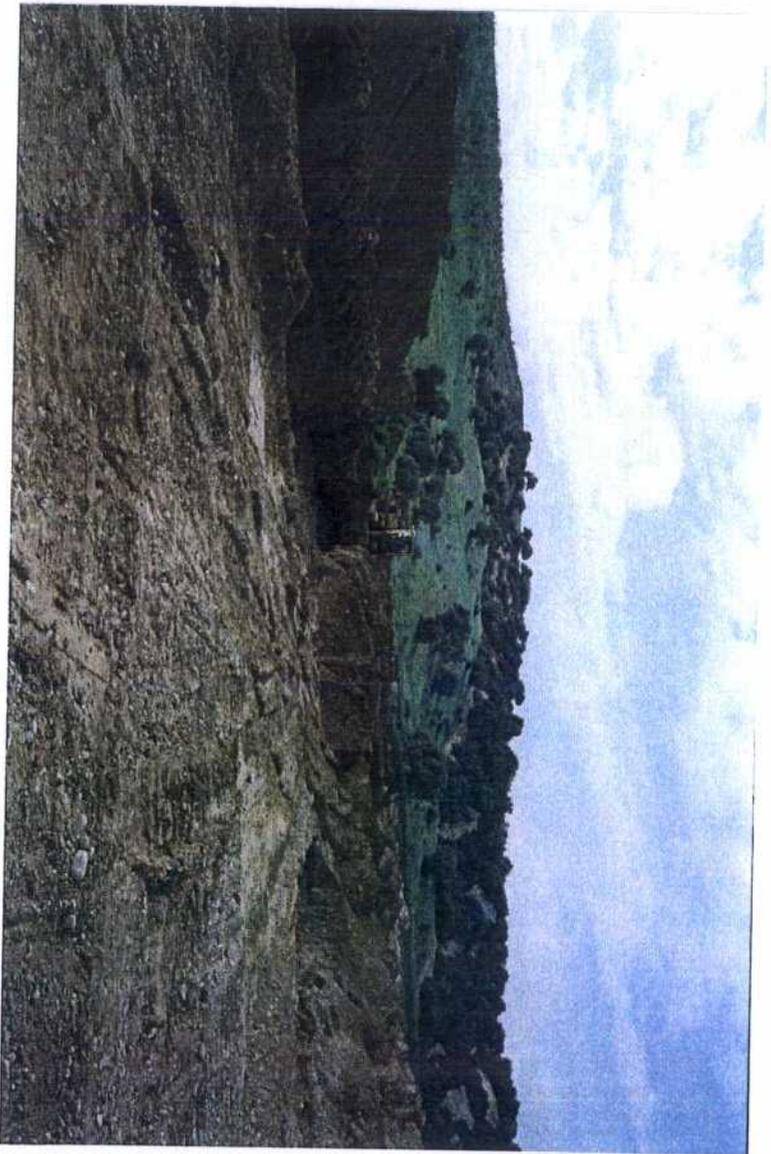


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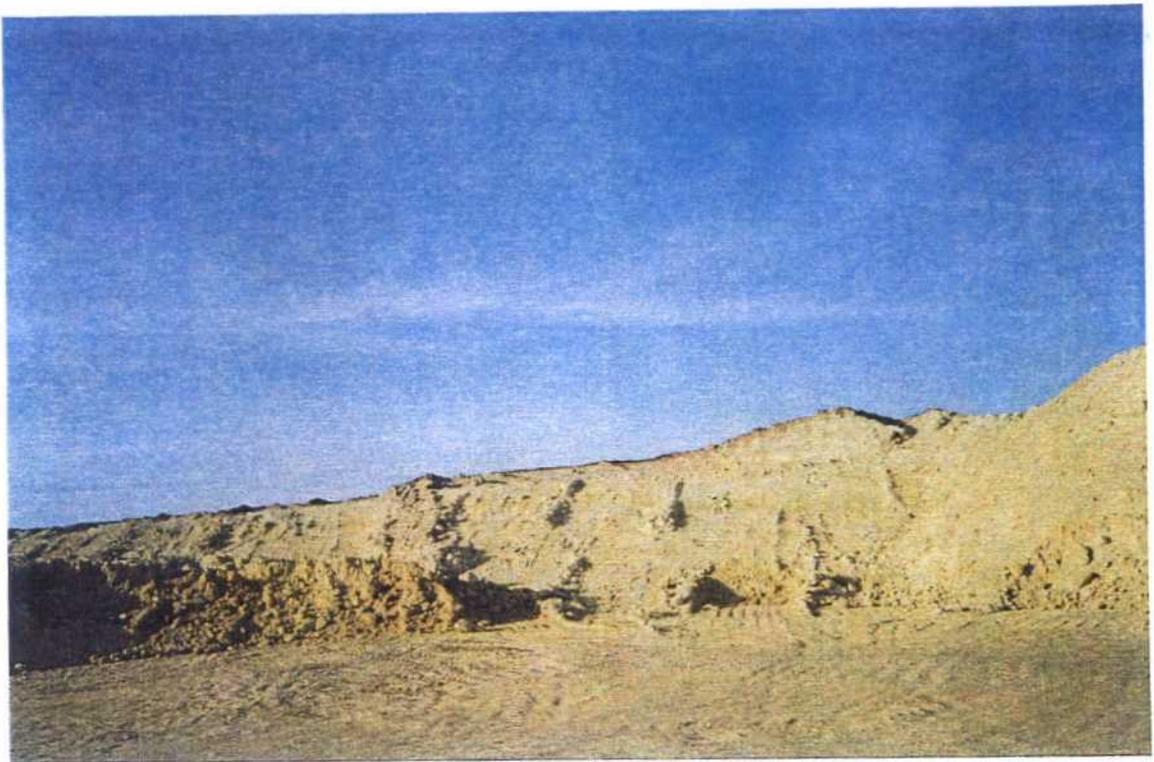
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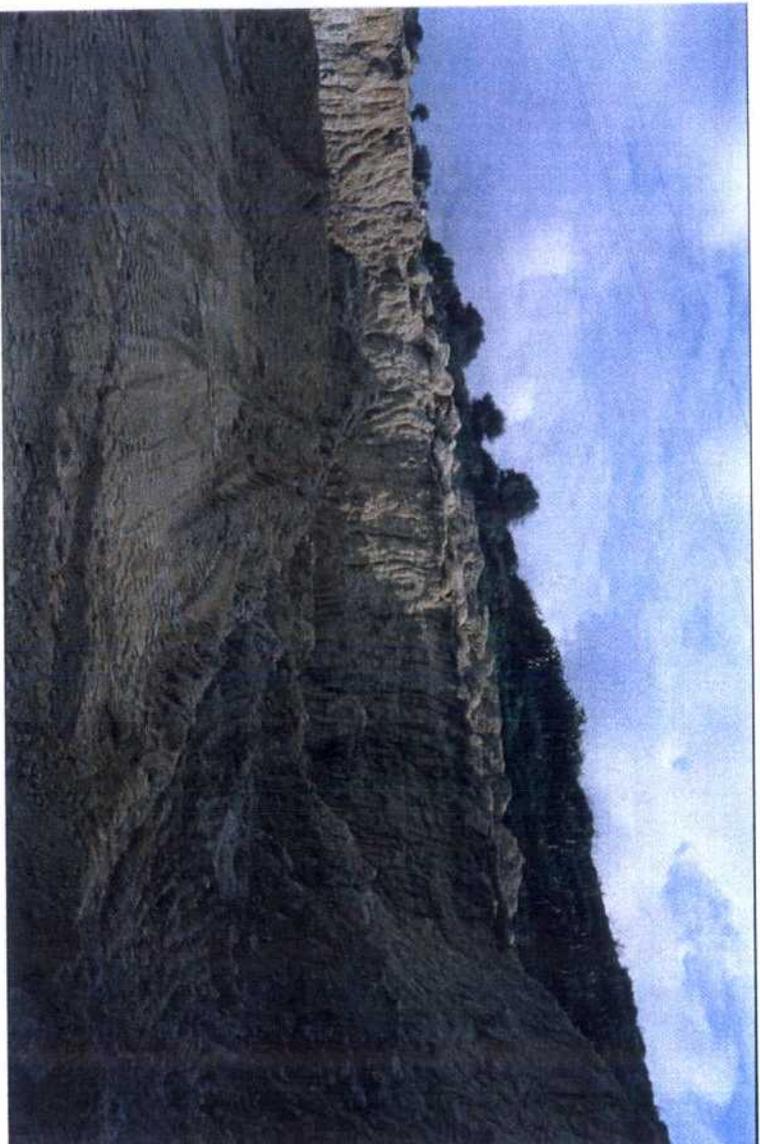
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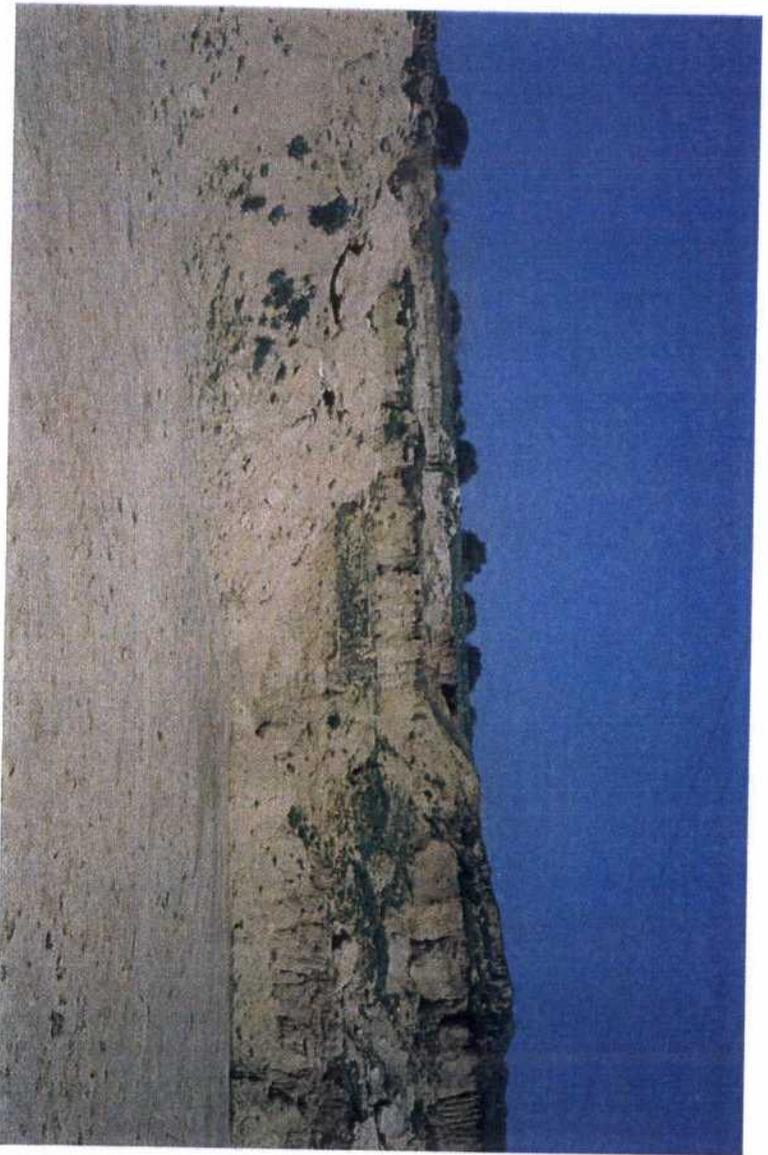
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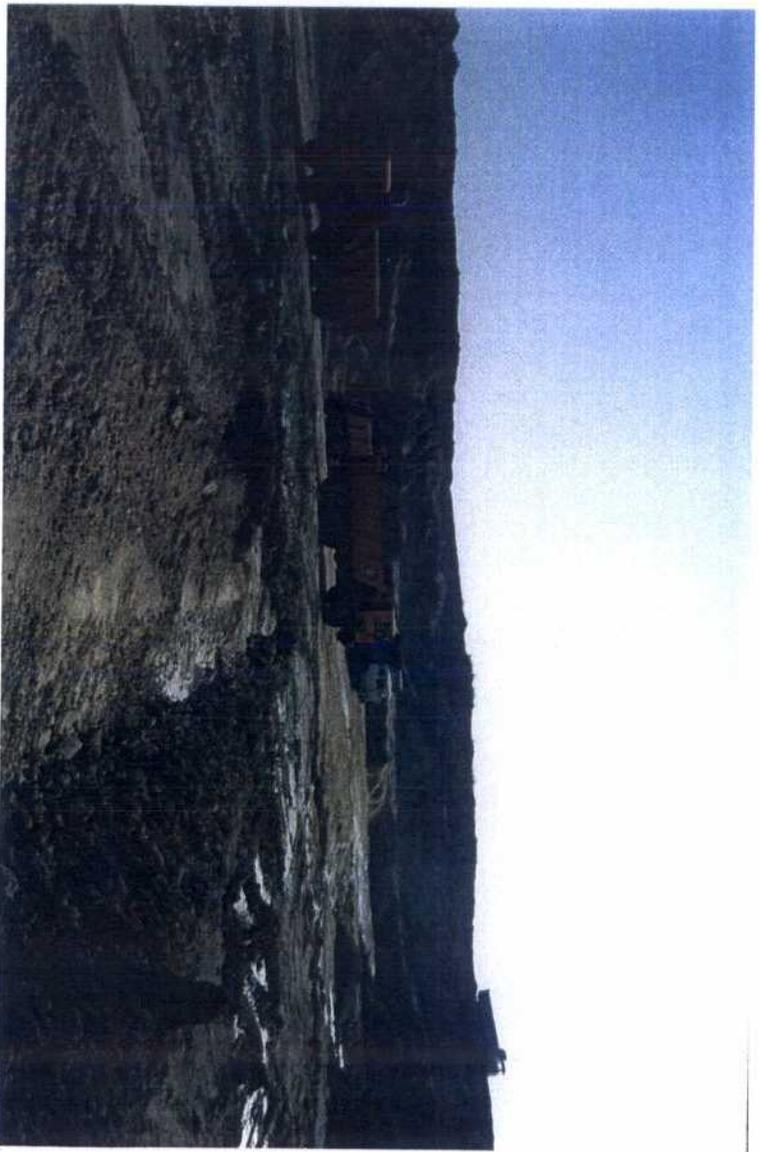
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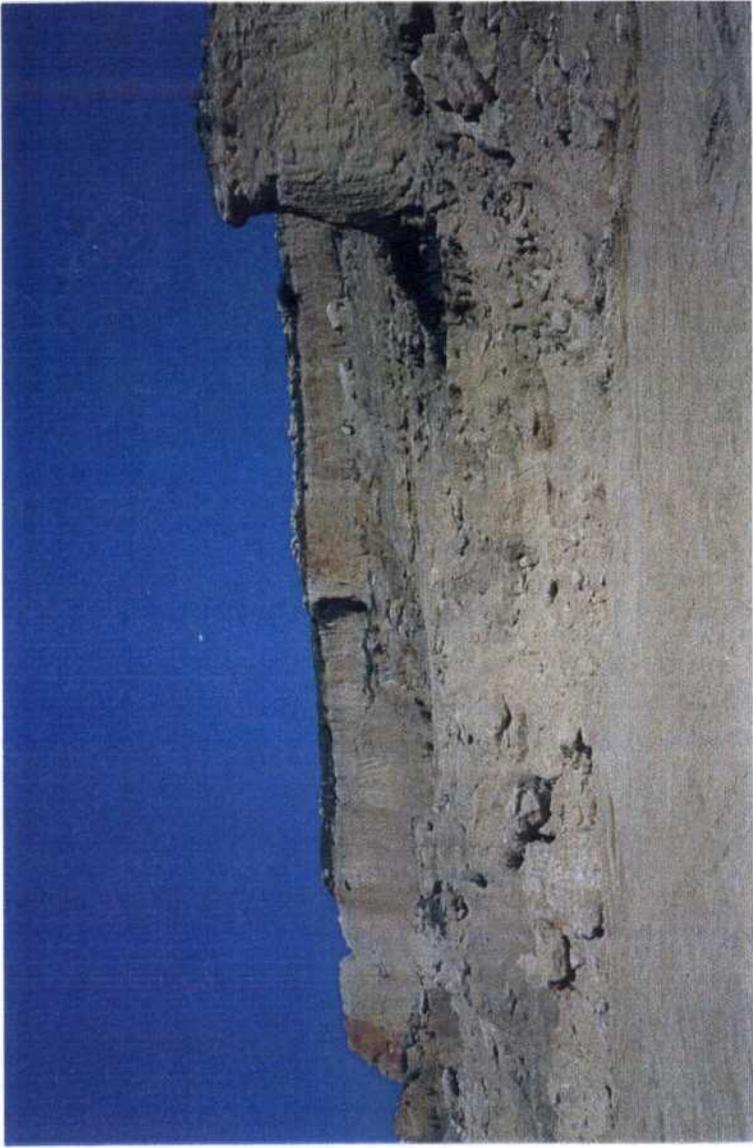
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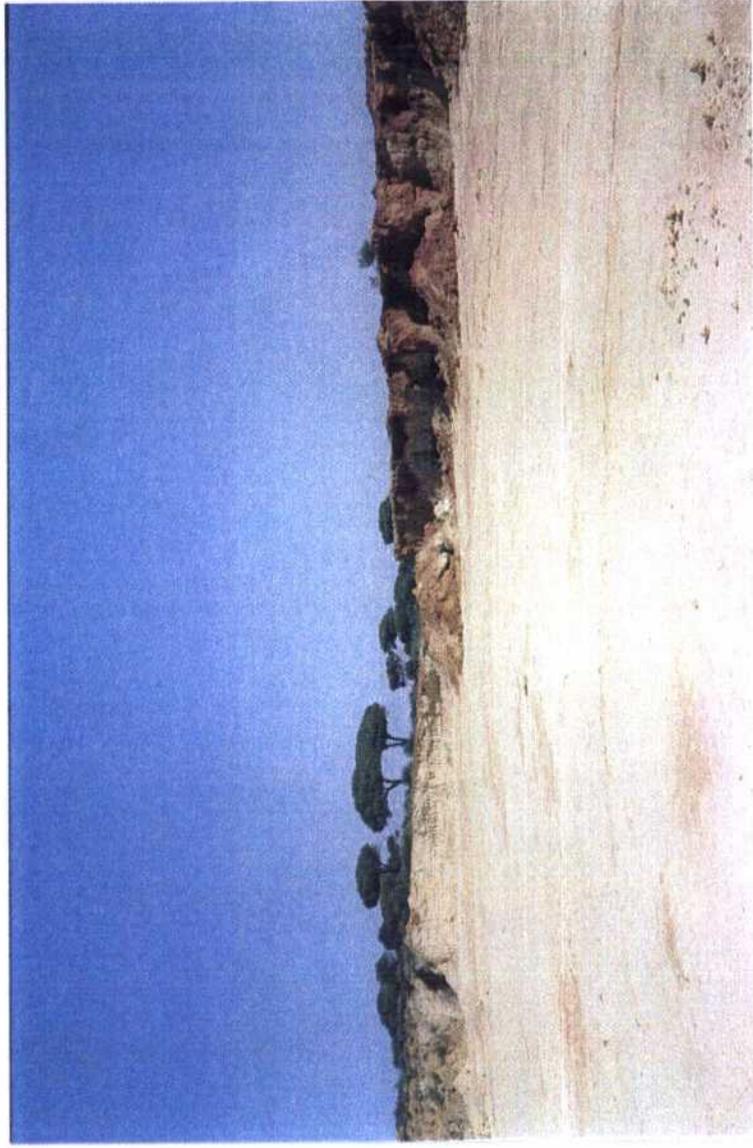
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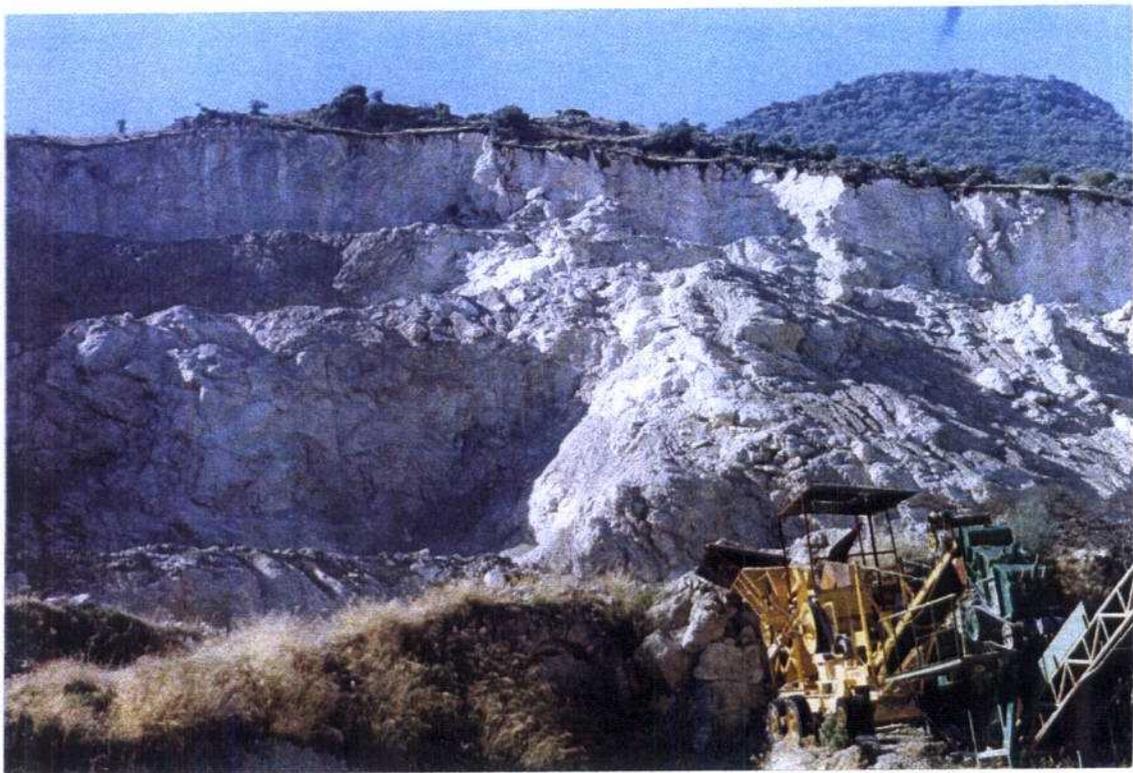


CA- Padre Rey

**CALIZA
Y
DOLOMÍA**



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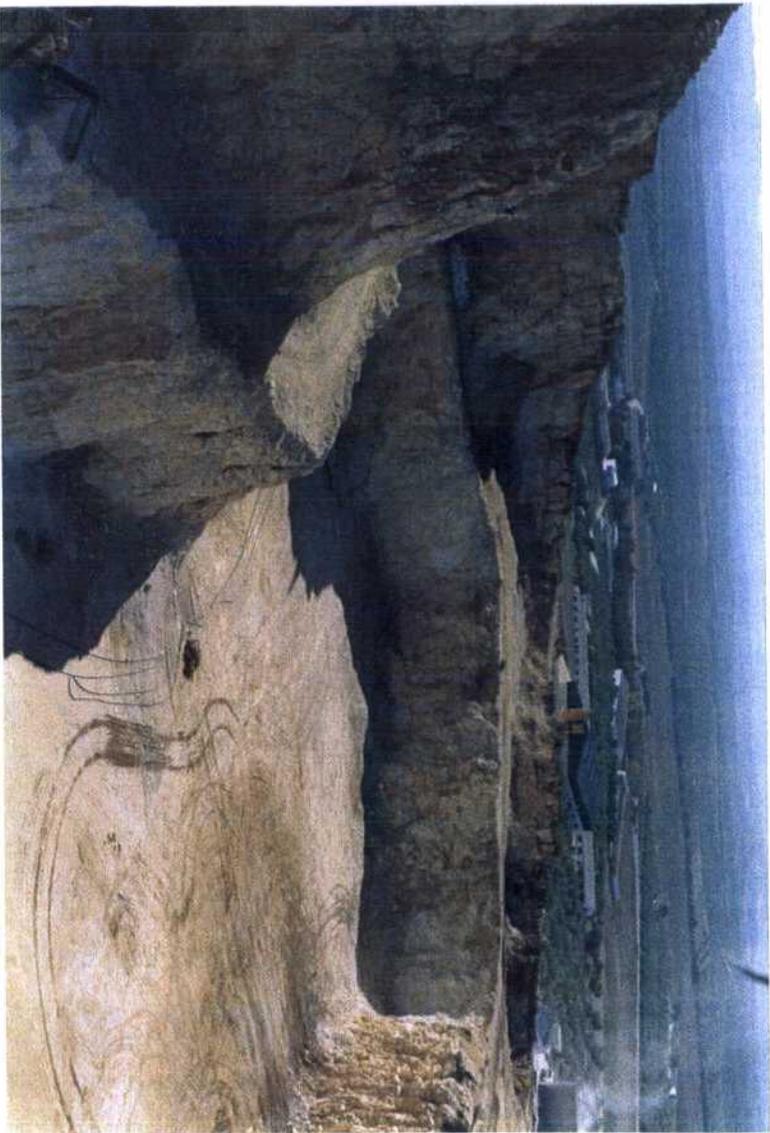
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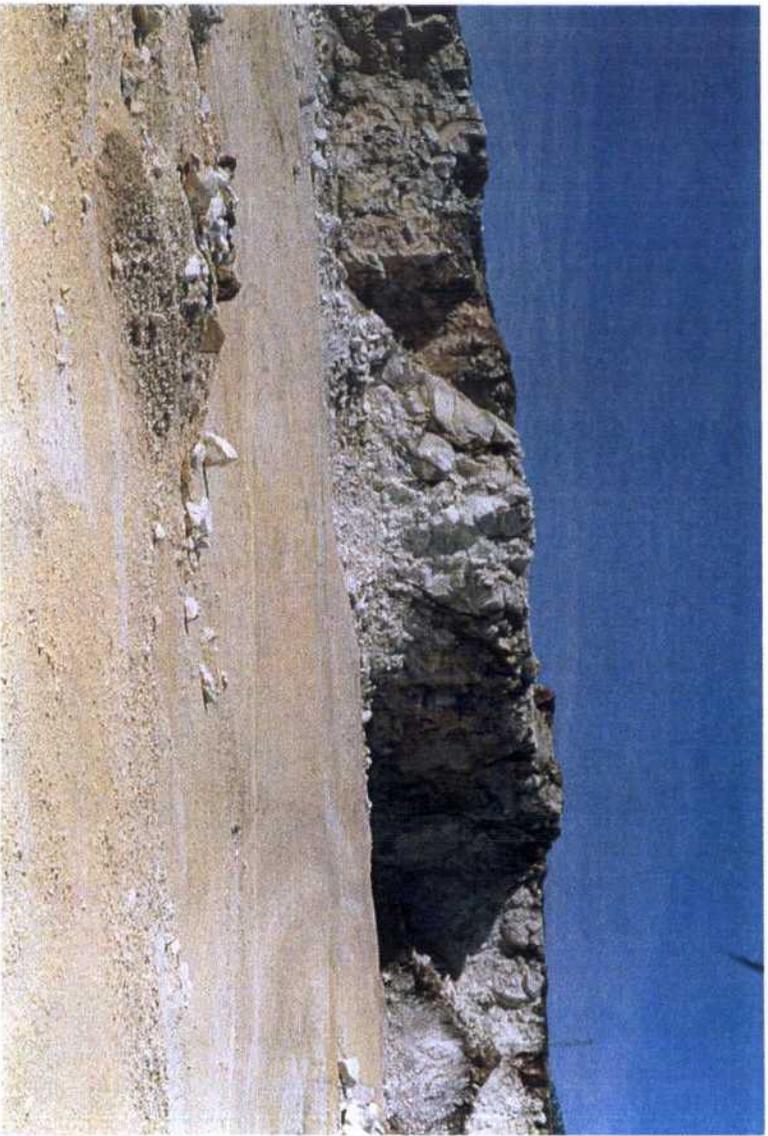
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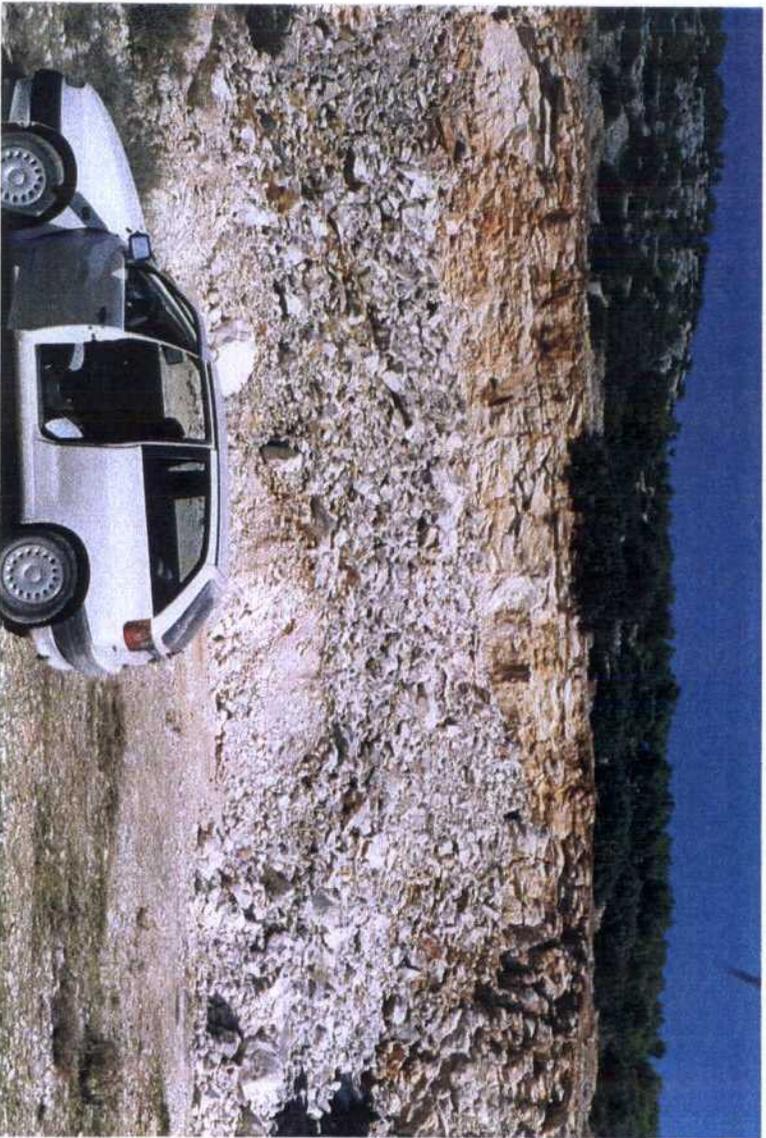
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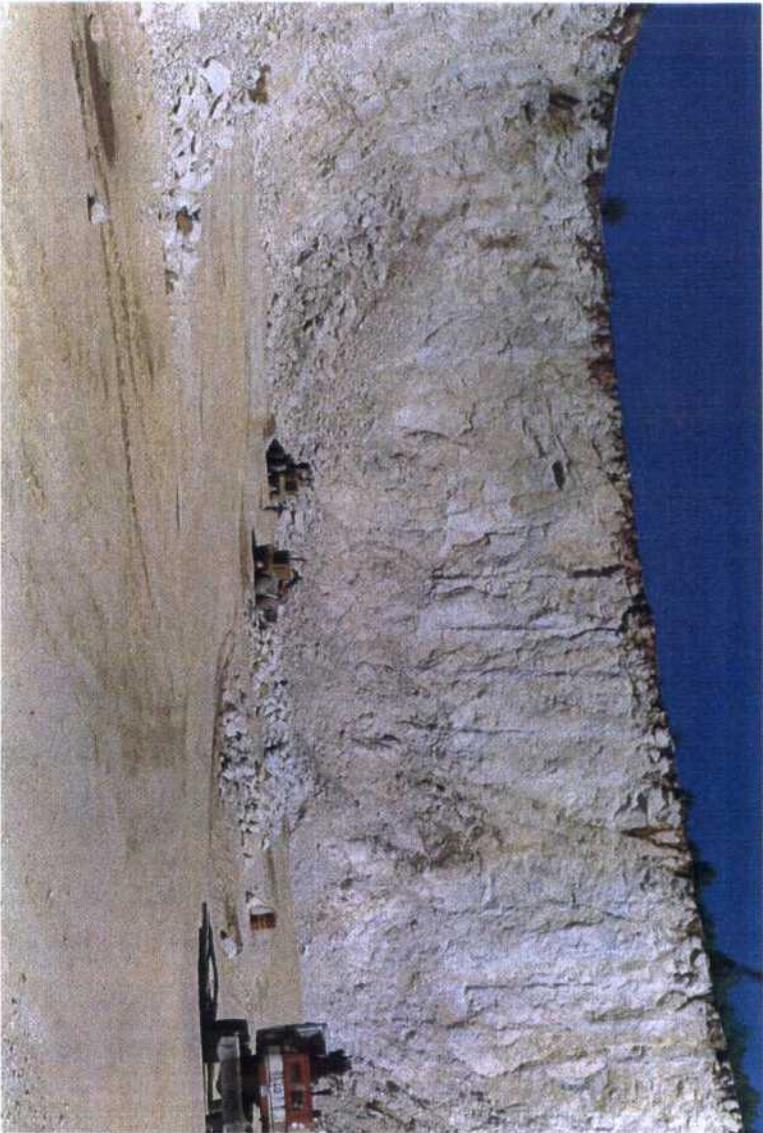
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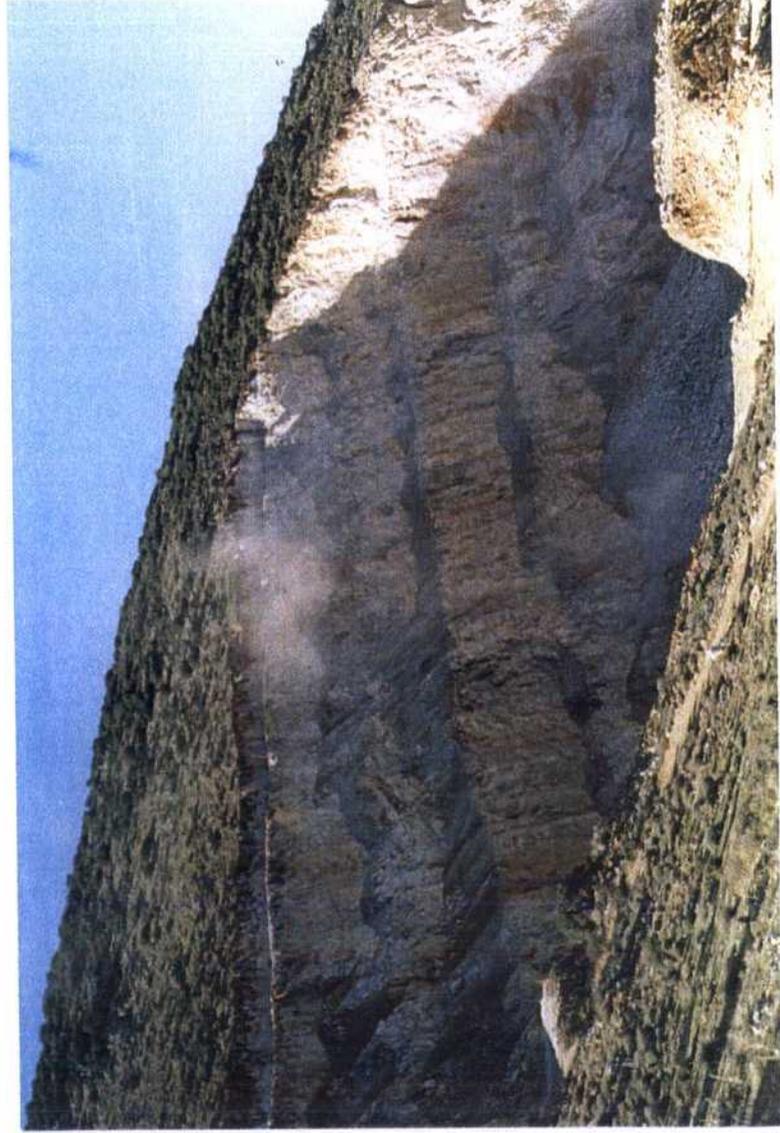
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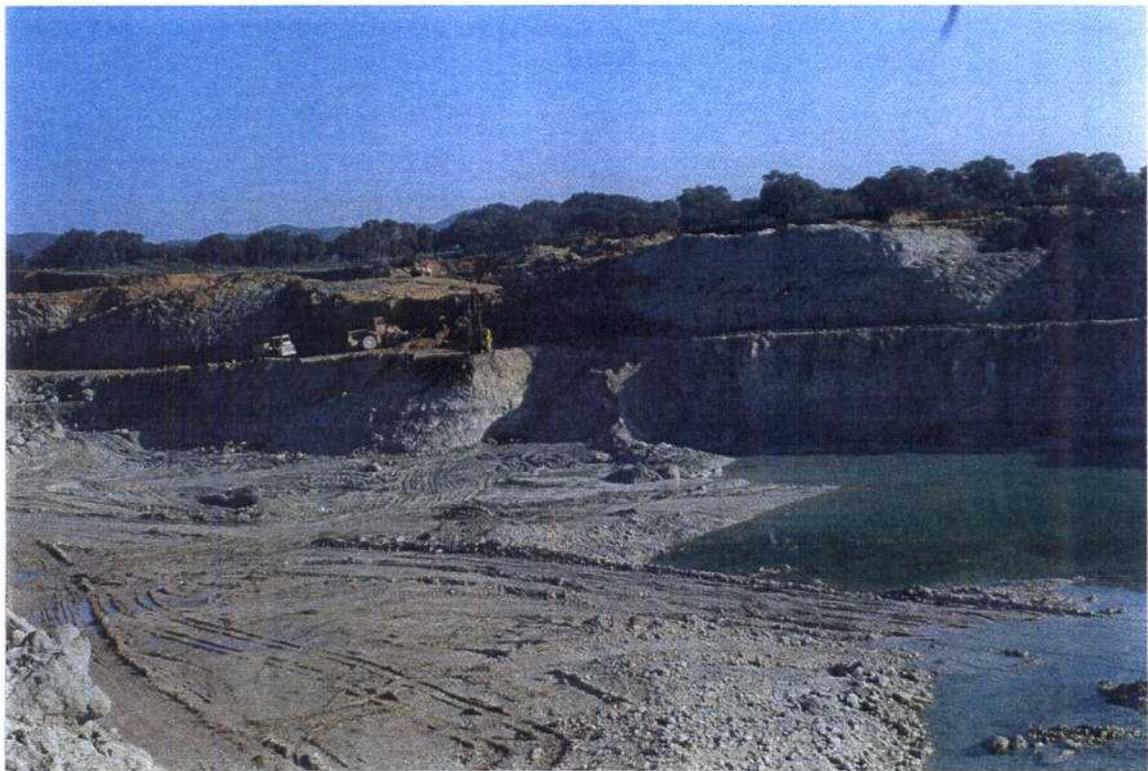
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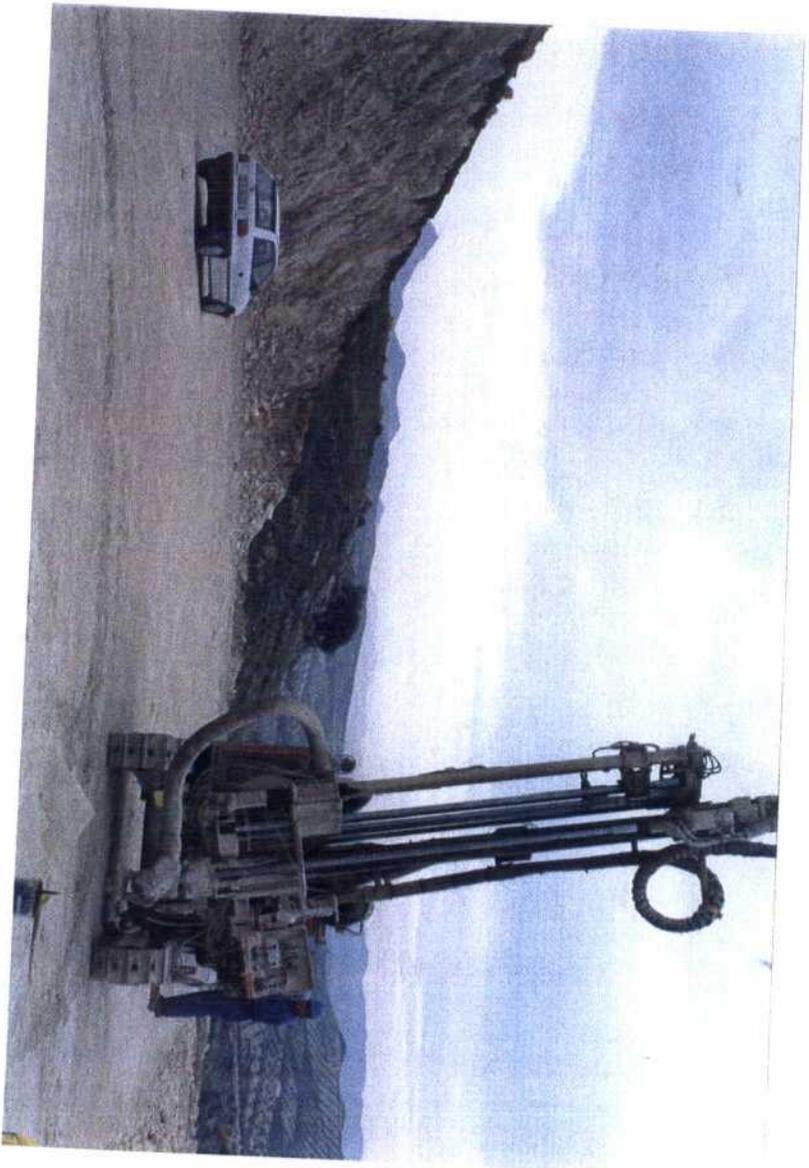
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CO.- Cerro Caldera



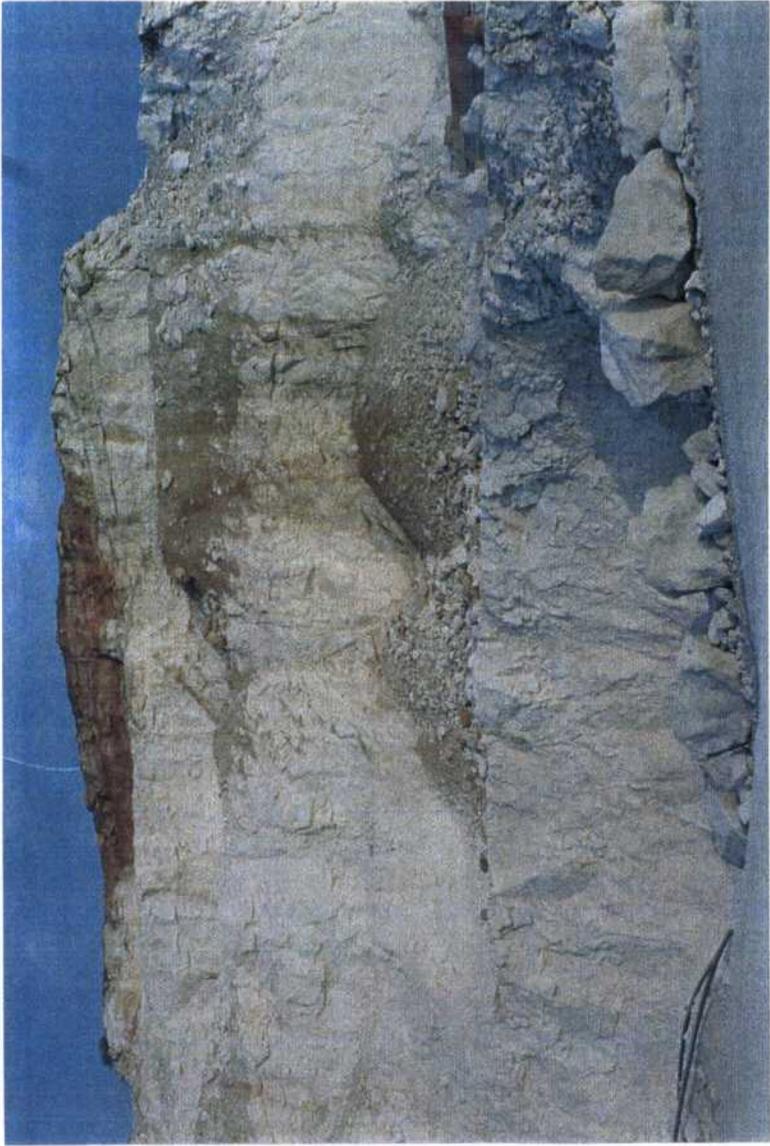
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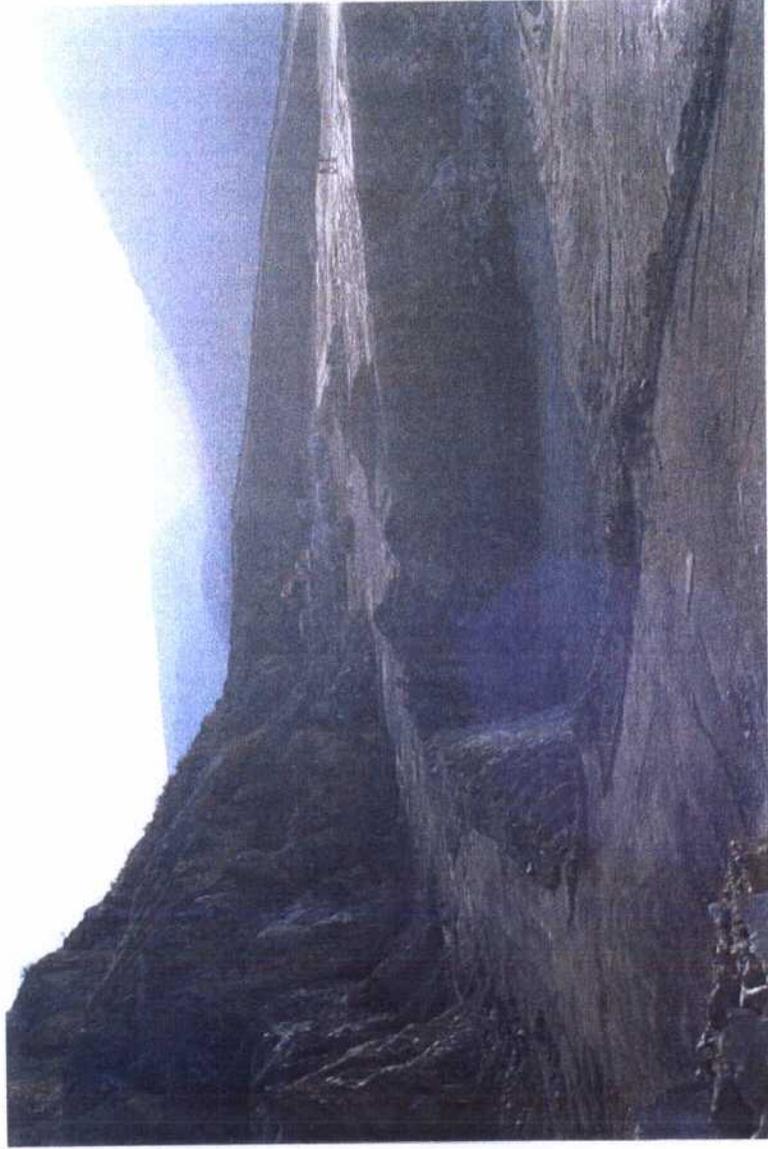
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CO.- Sierra Gorda



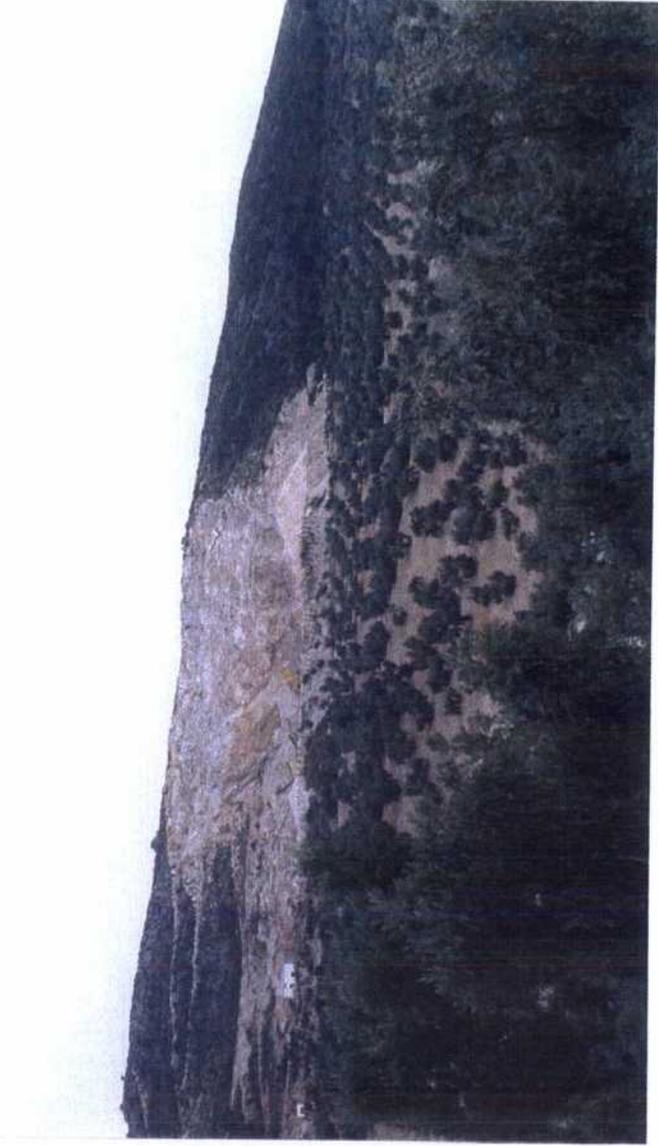
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CO.- Camino Alto



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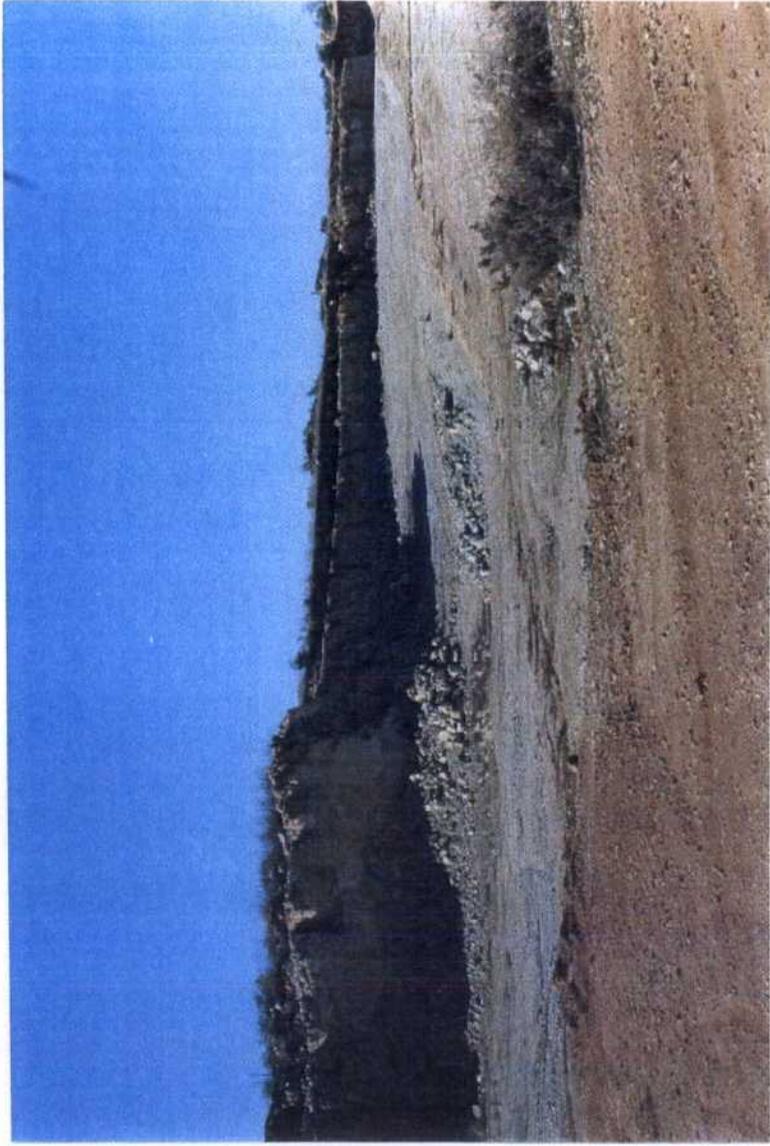
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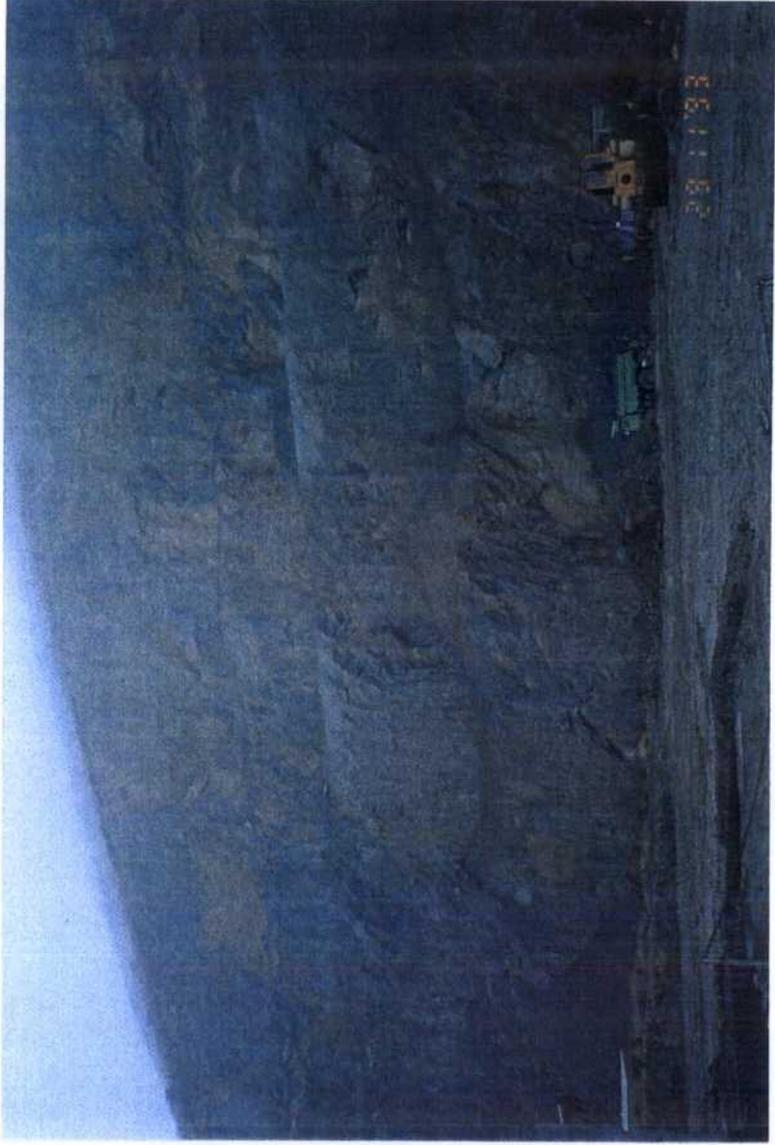
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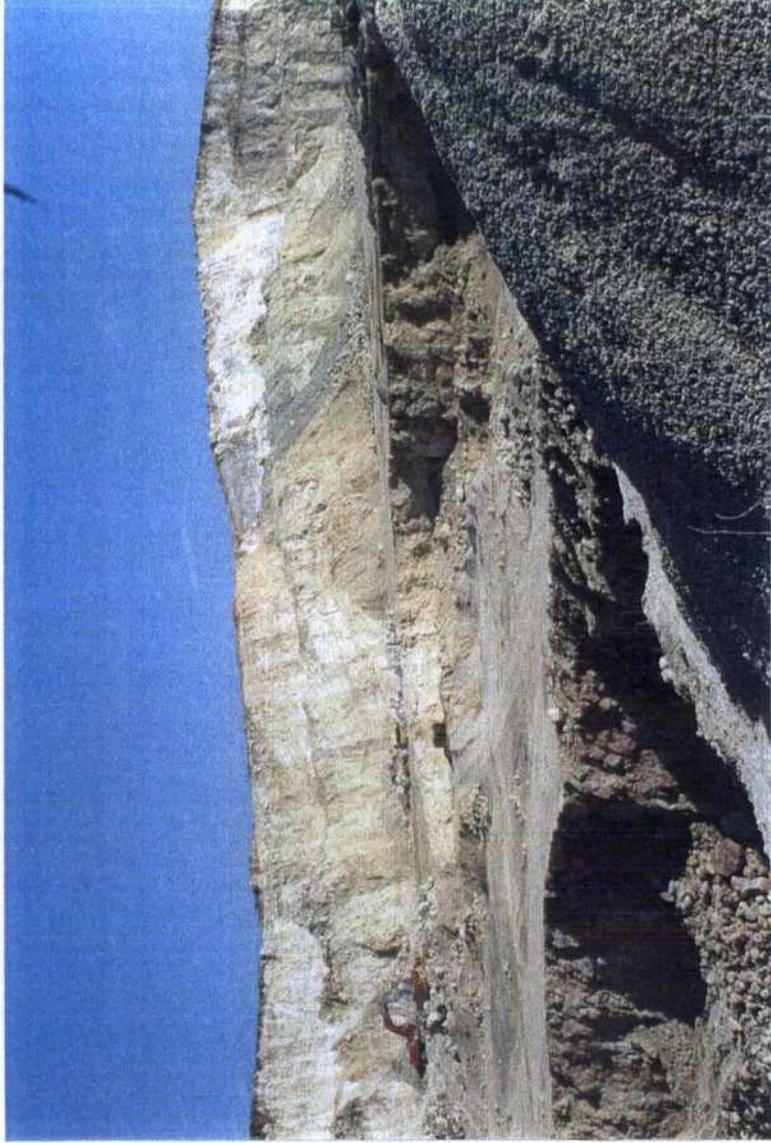
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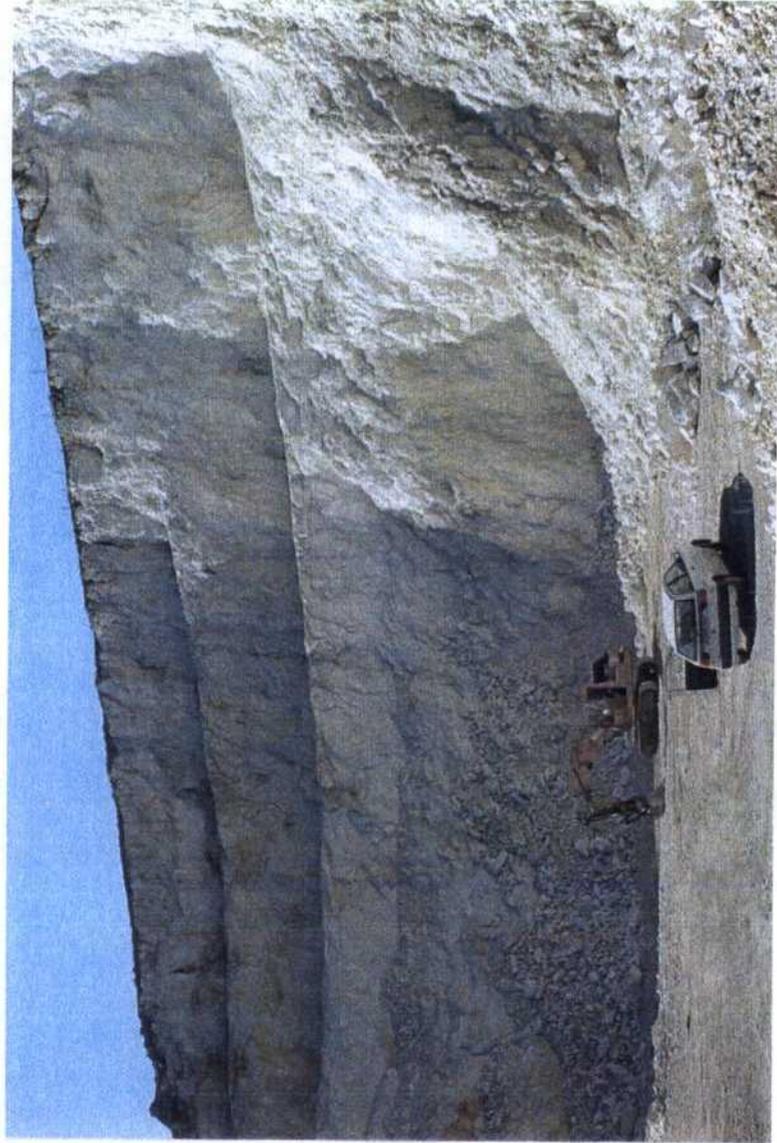
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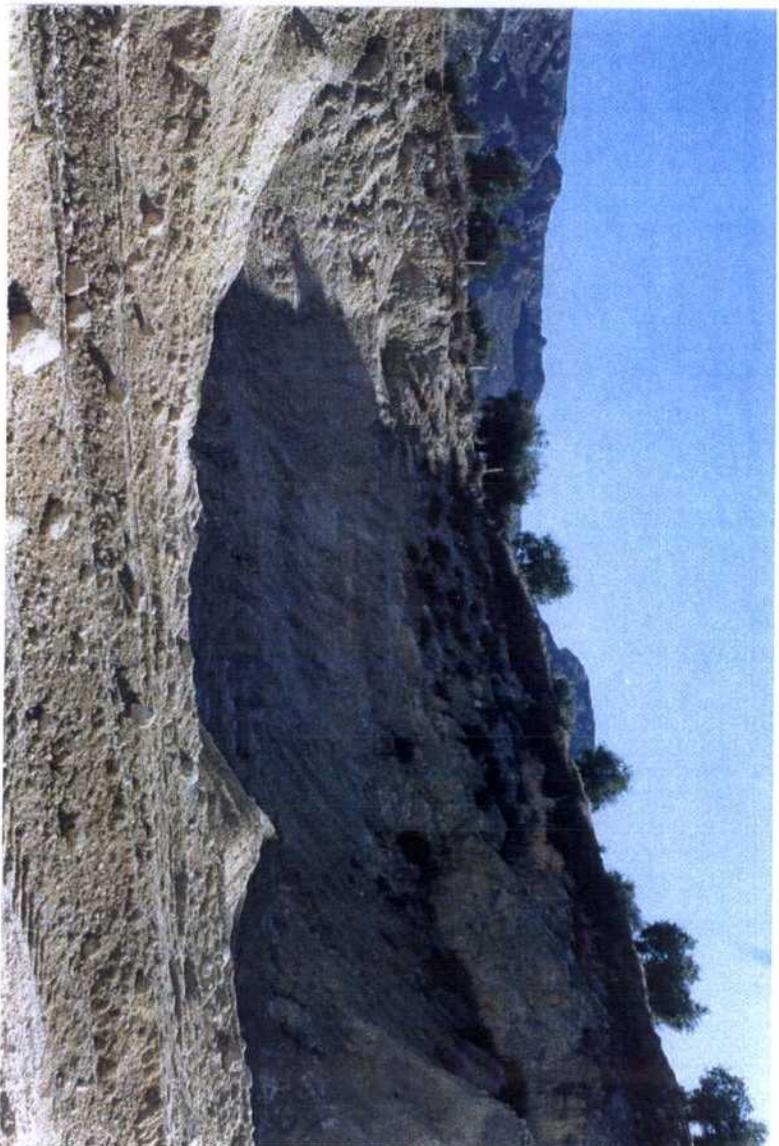
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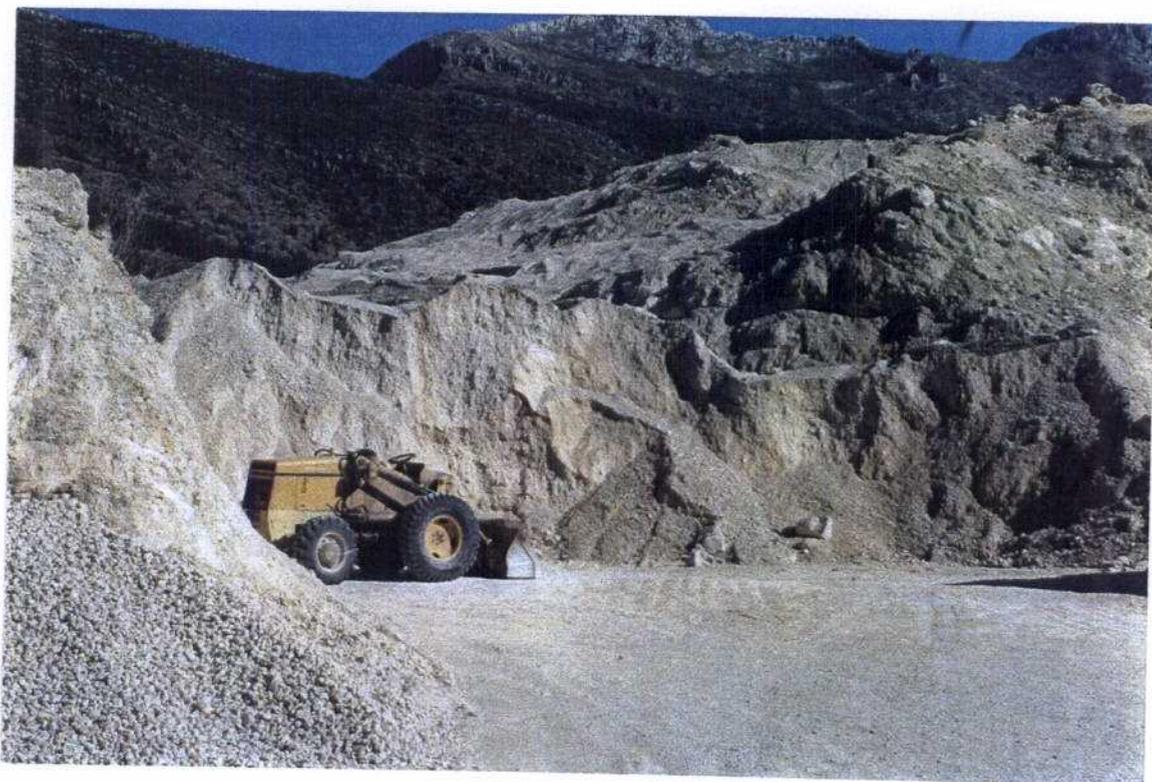
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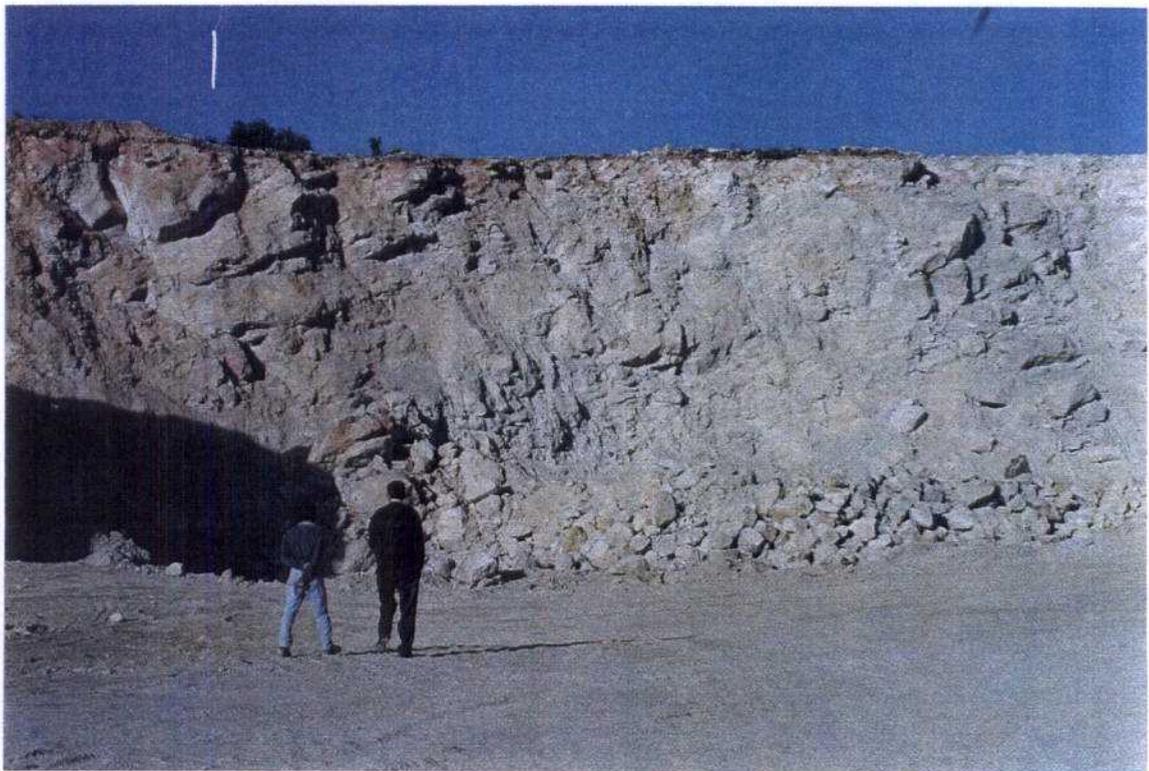
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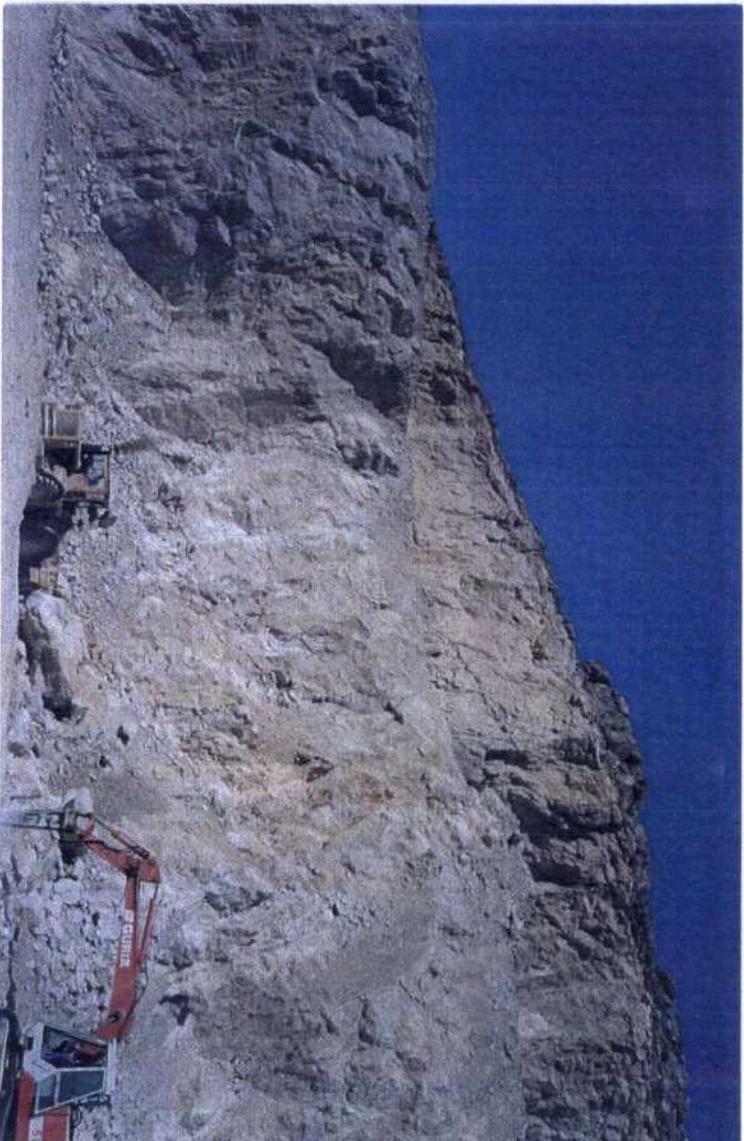
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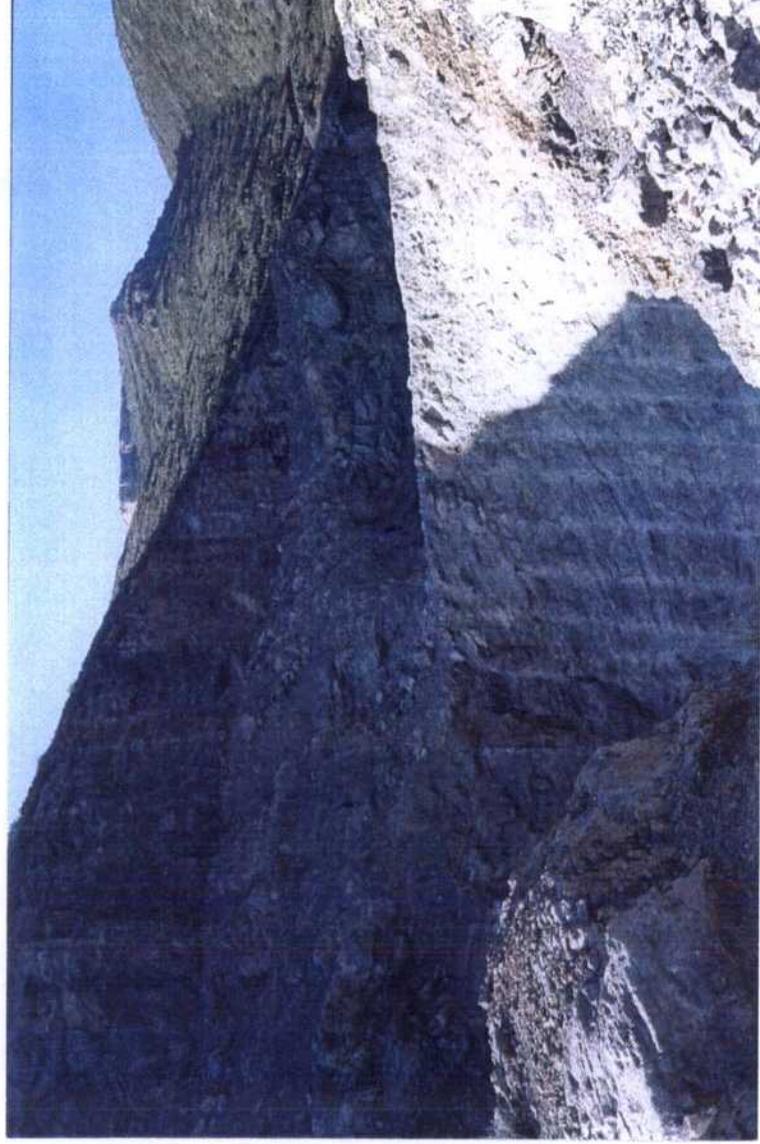
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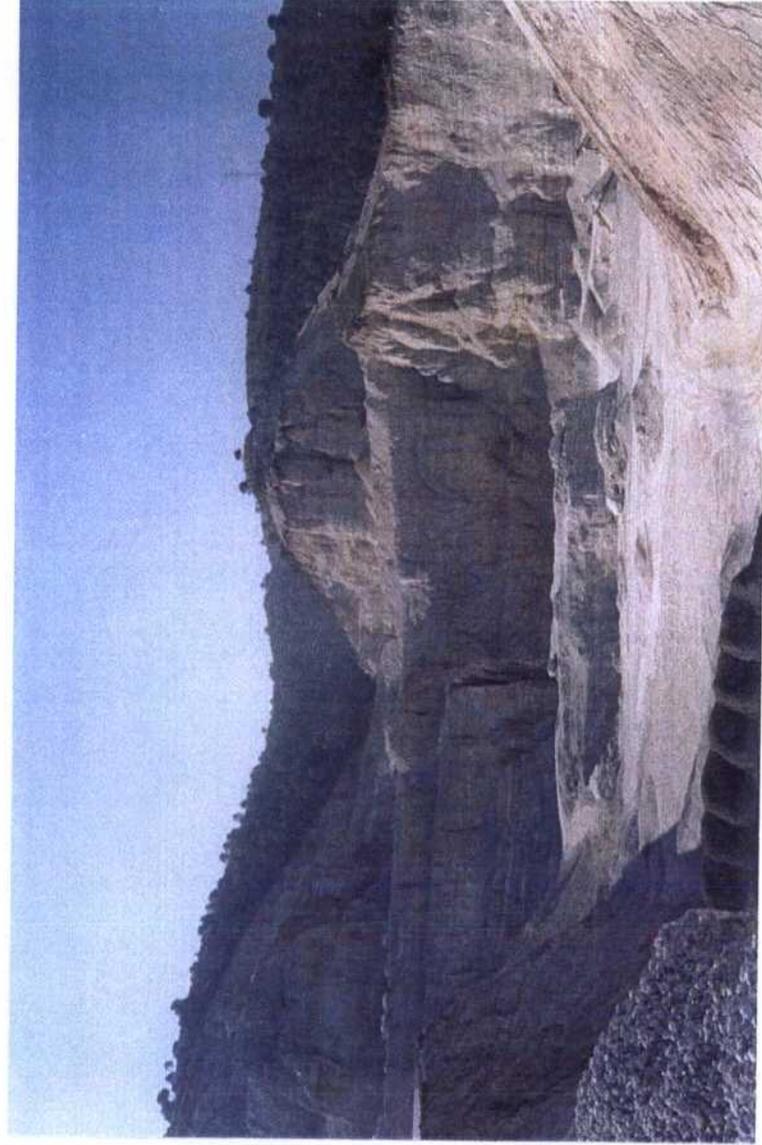
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MA - La Camorra



MA.- Sillero



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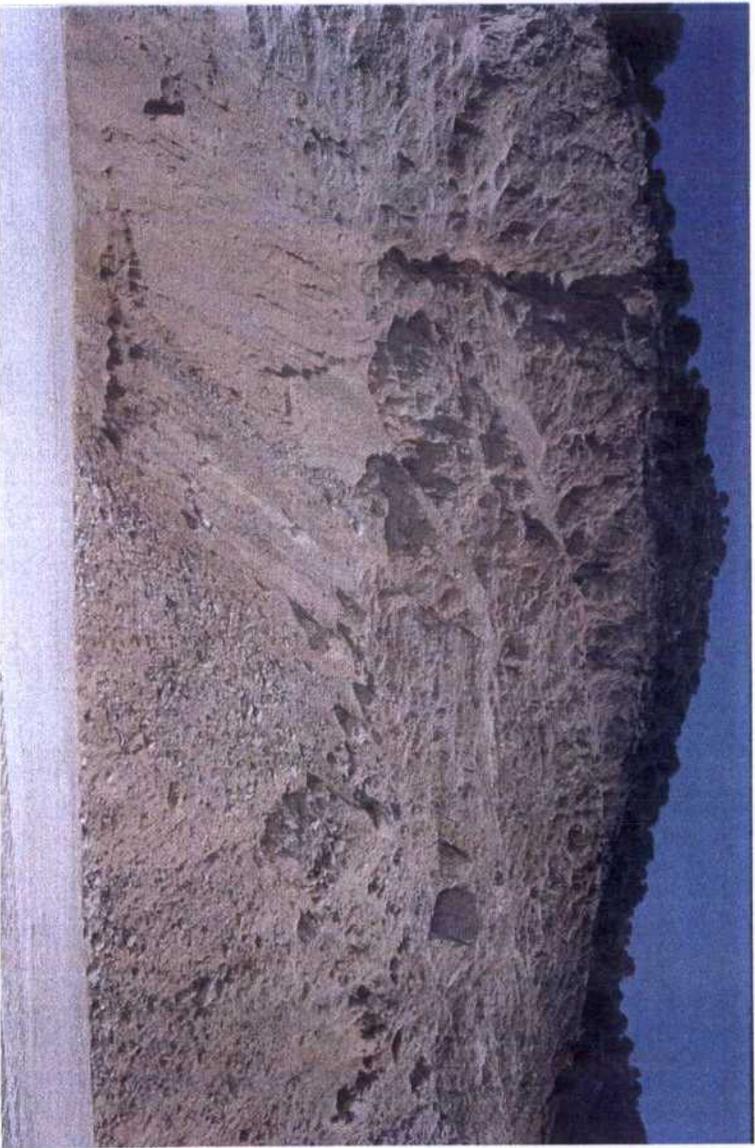
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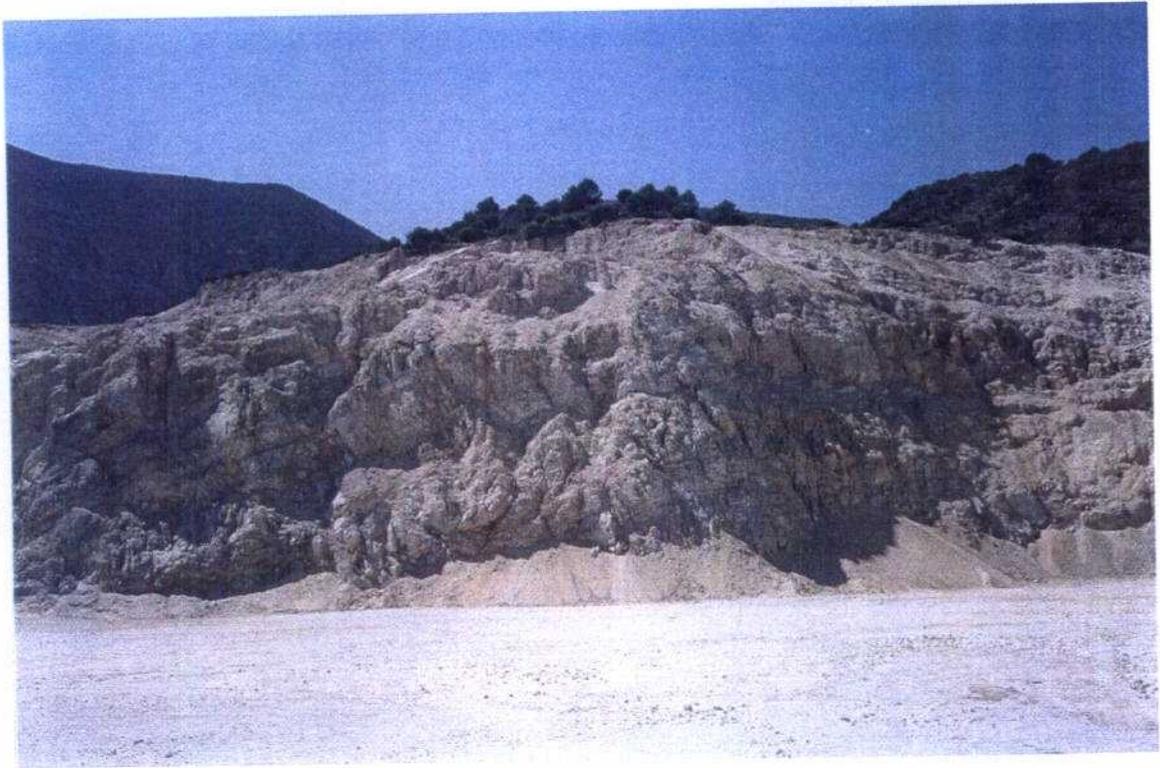
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MA - Arpisa



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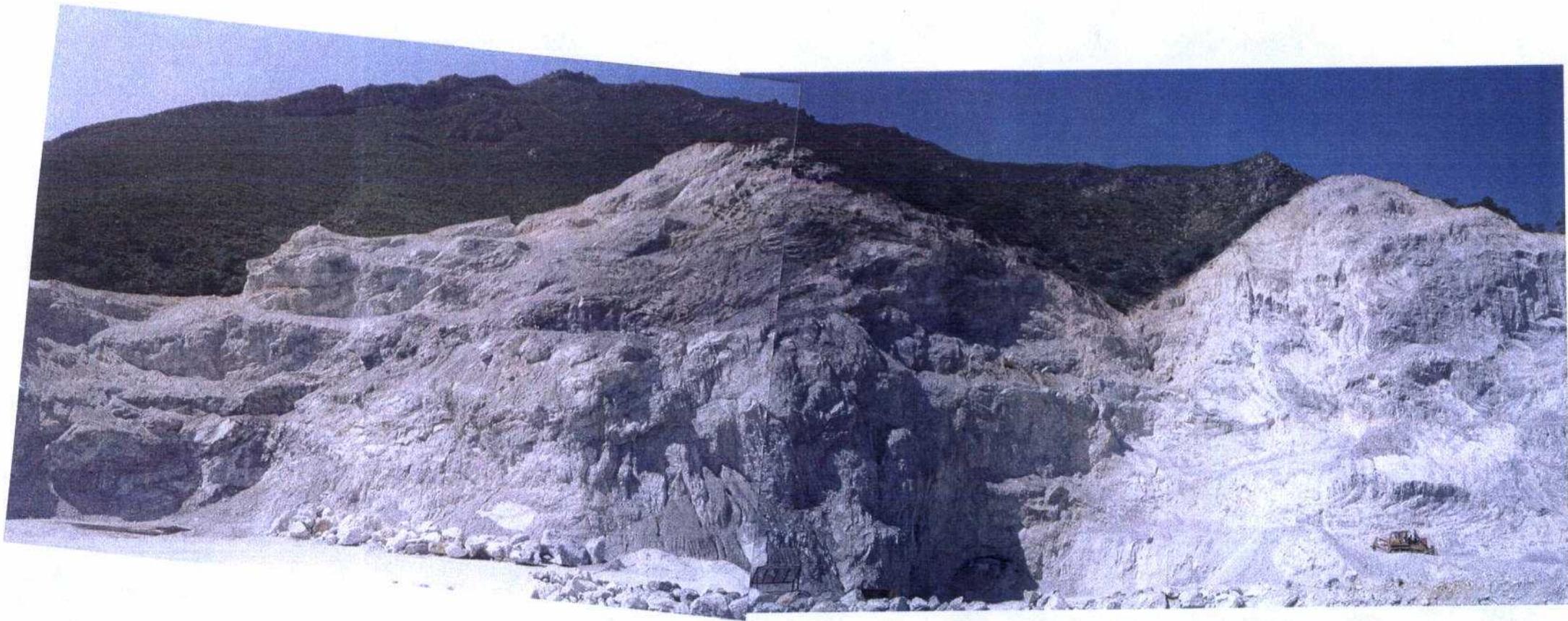




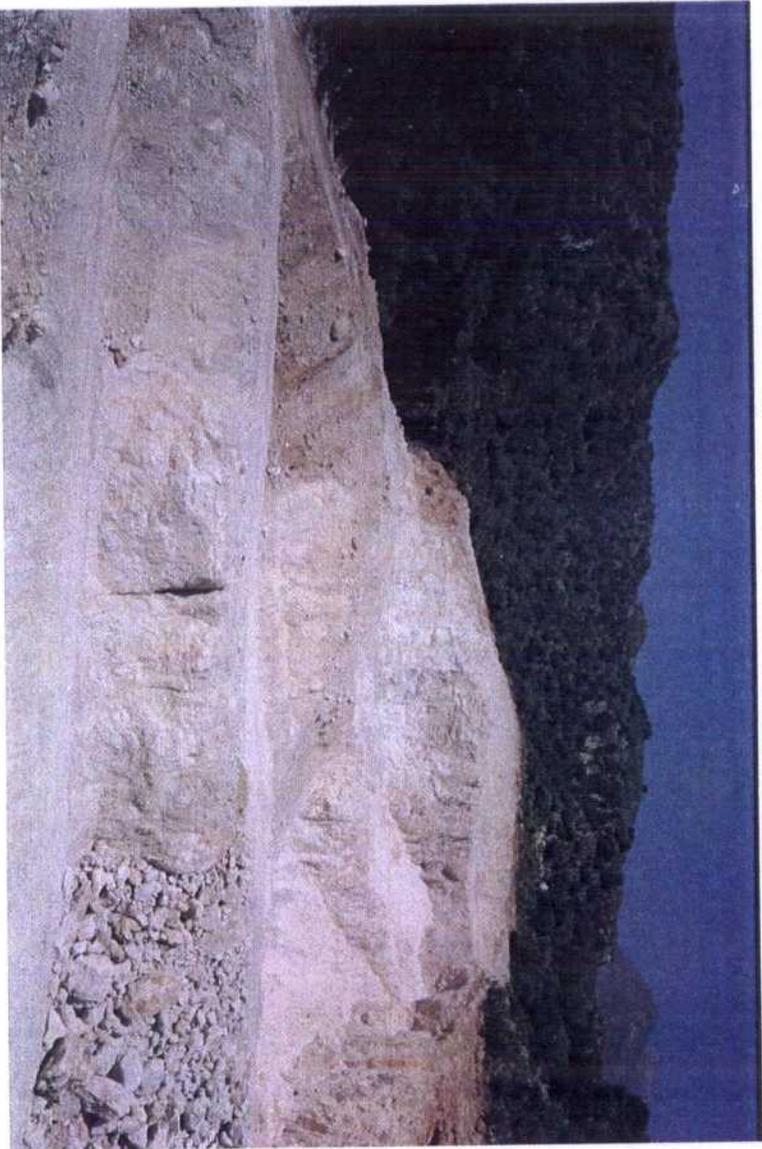
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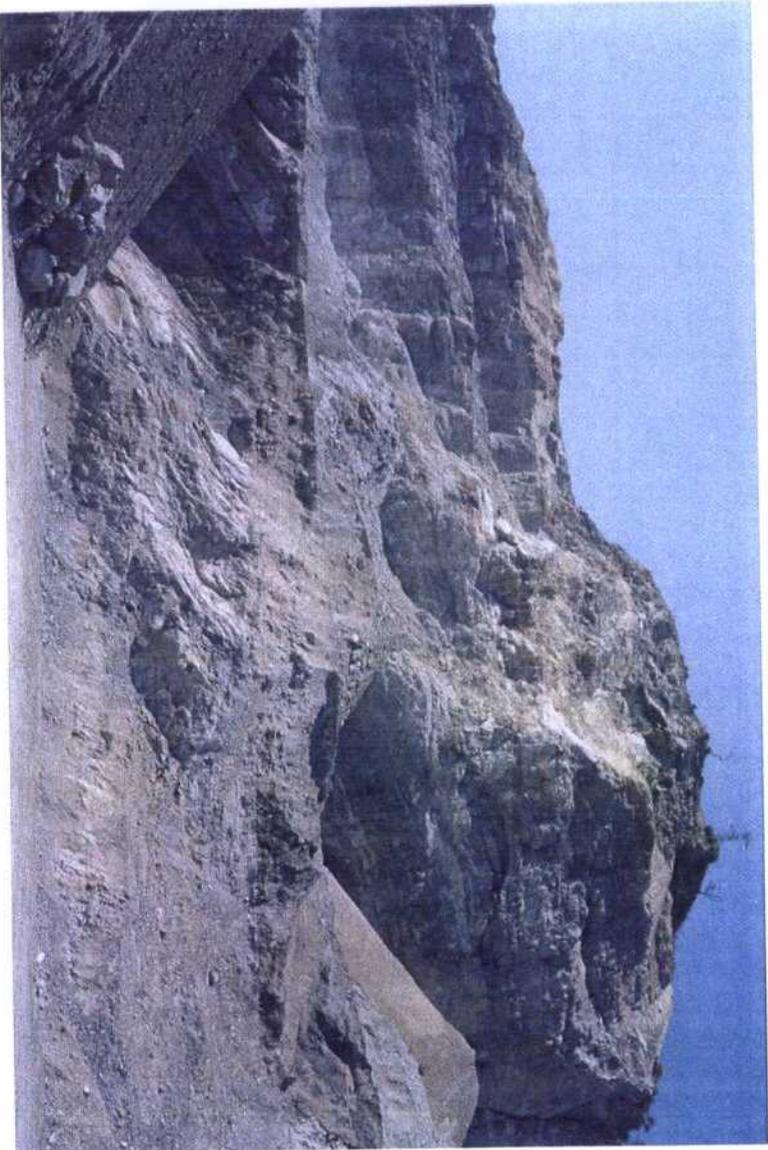
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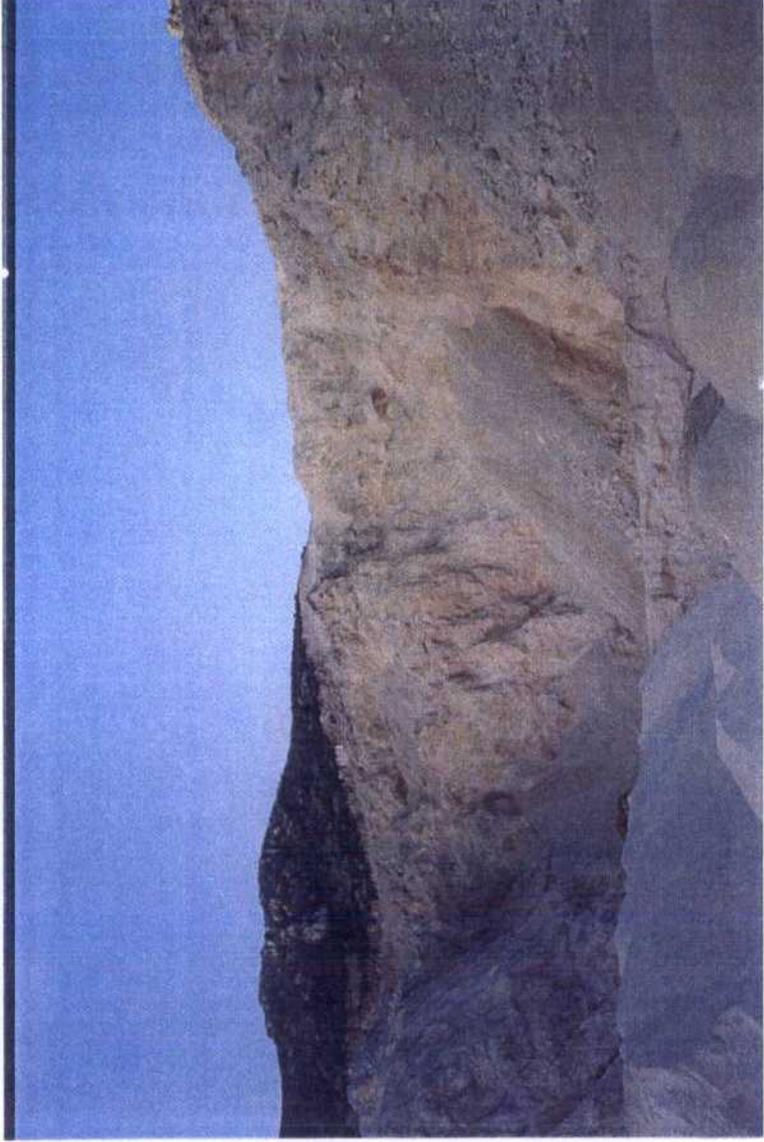
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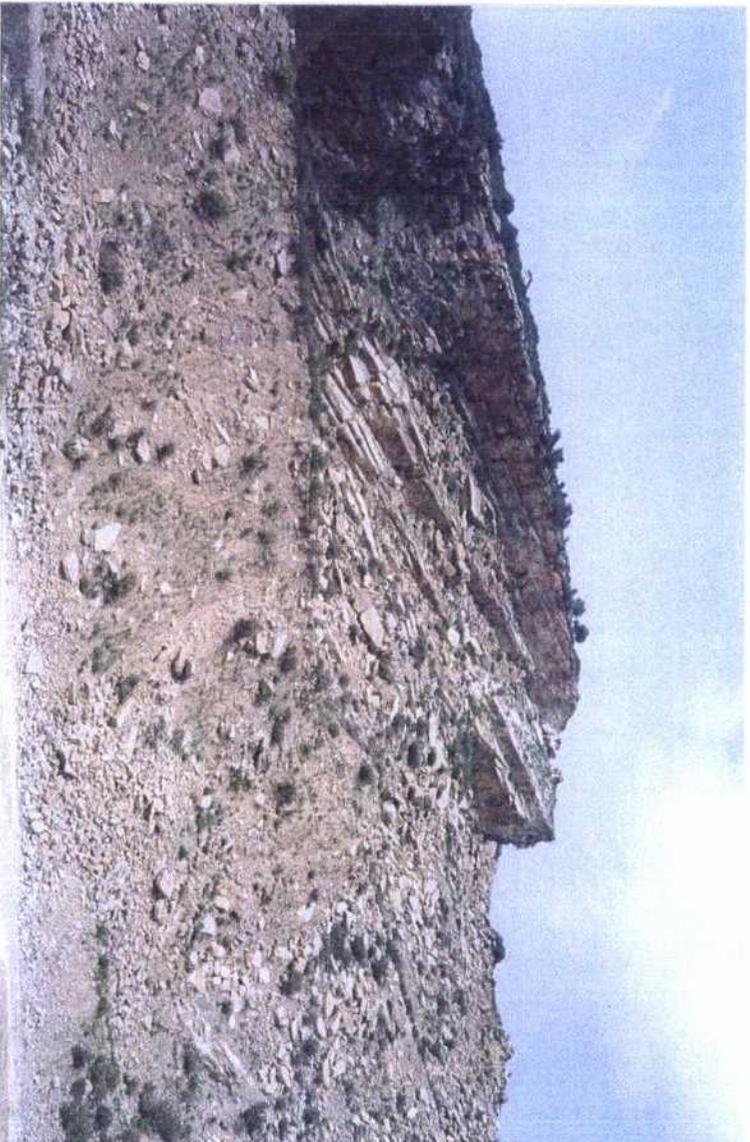
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MA.- San Miguel



MA.- Los Arenales



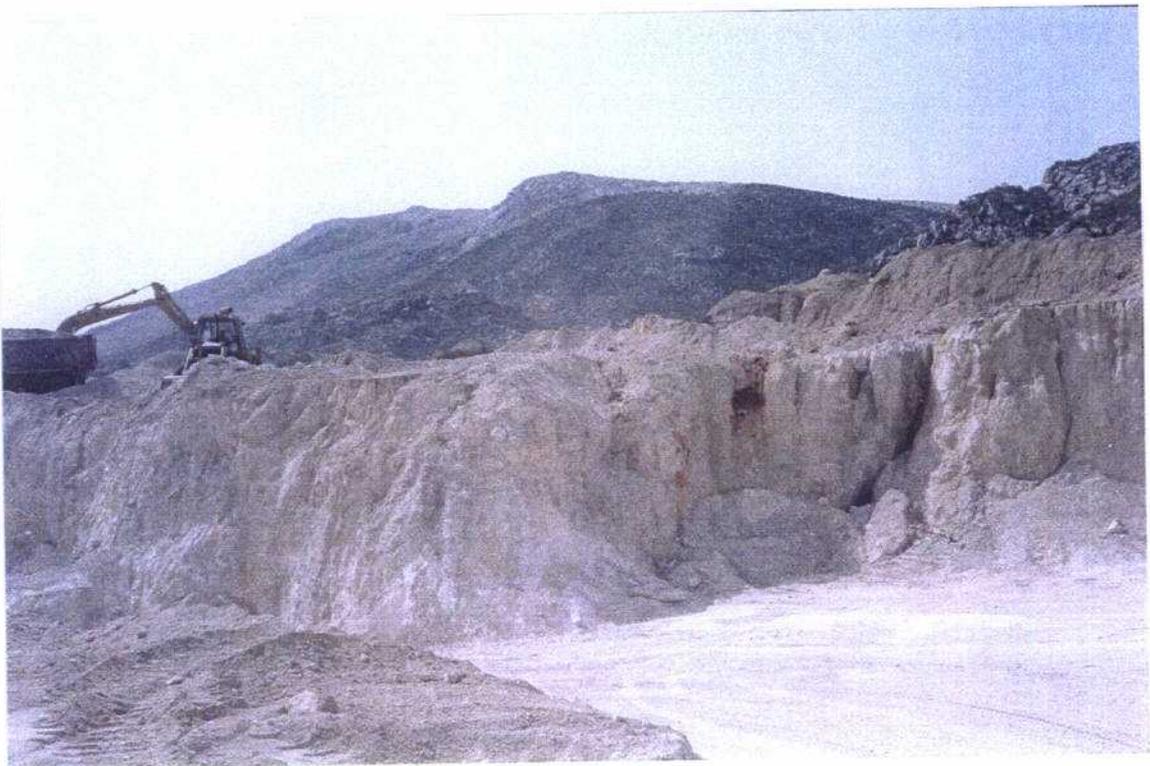
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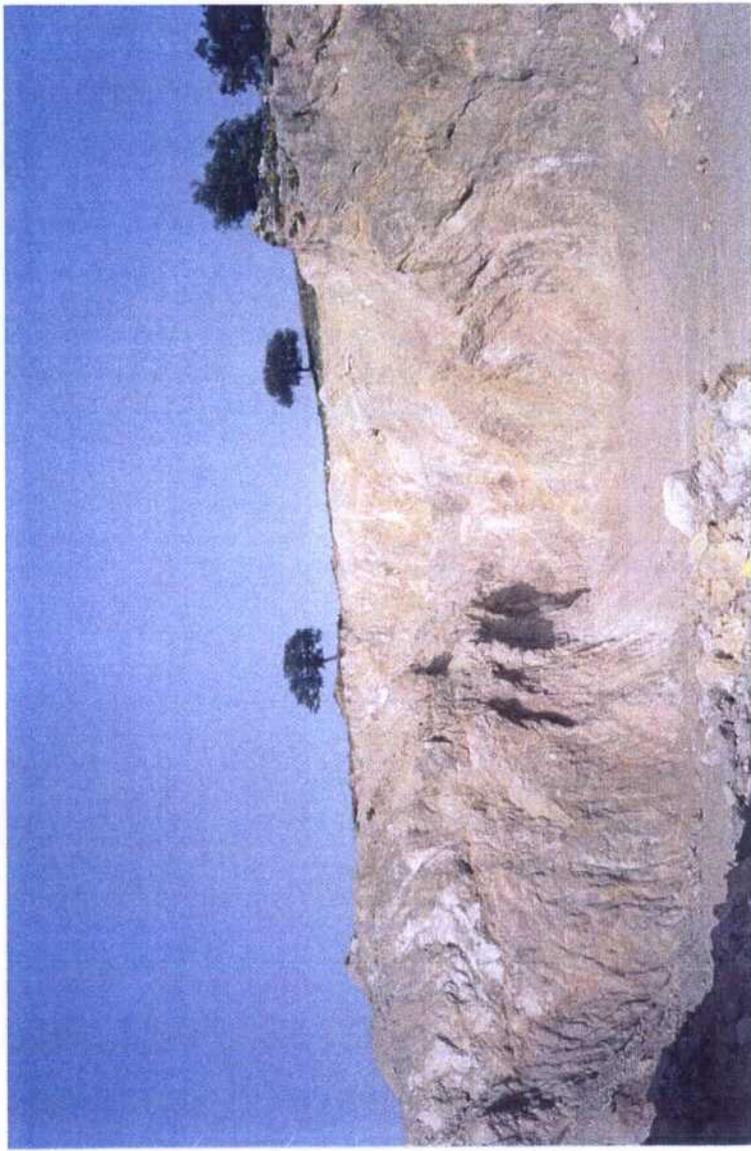
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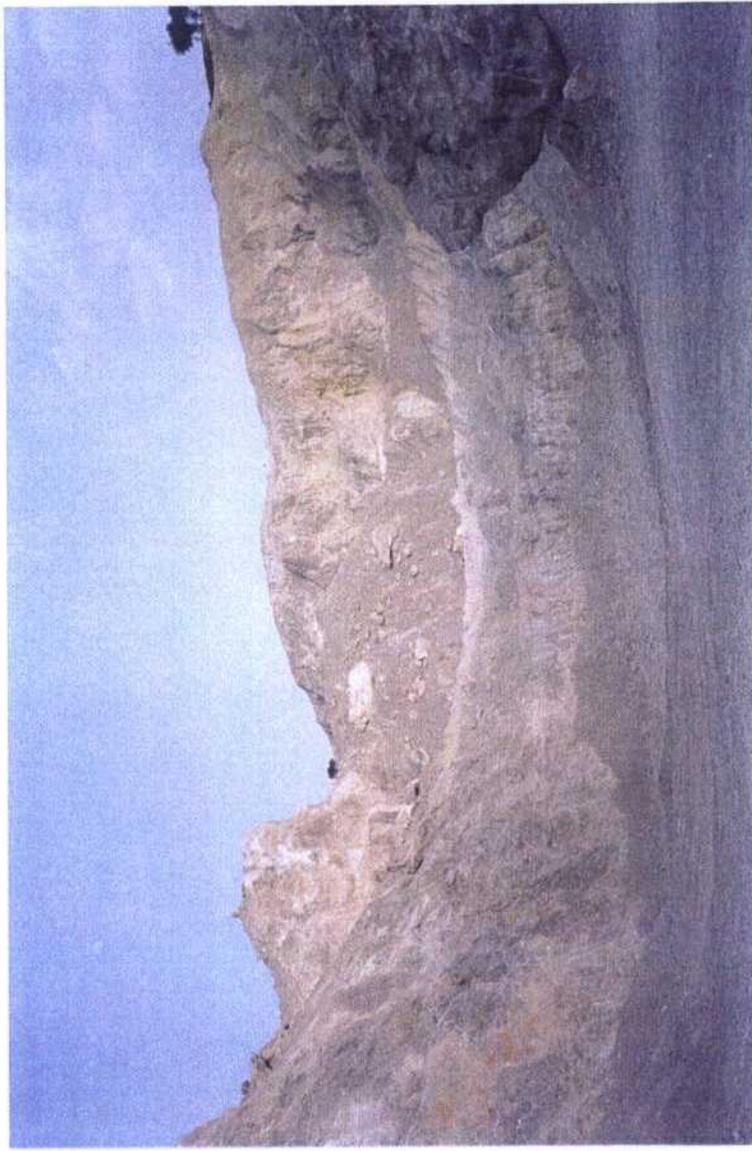
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MA- Aguilar



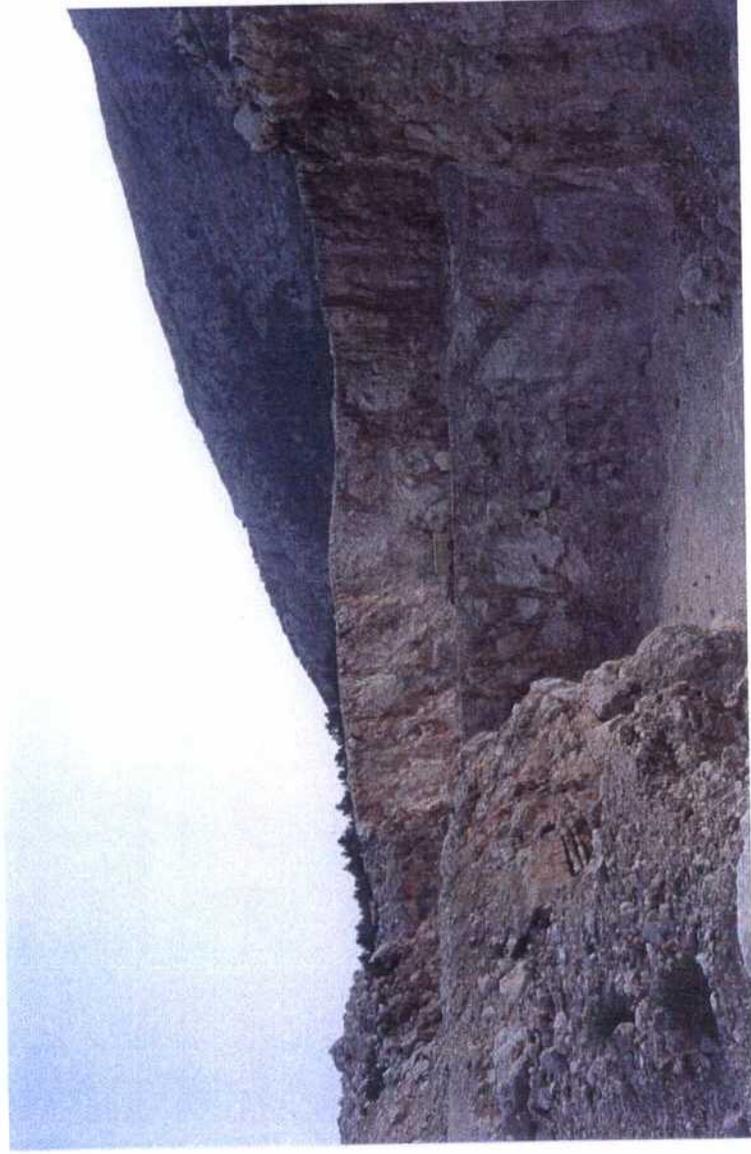
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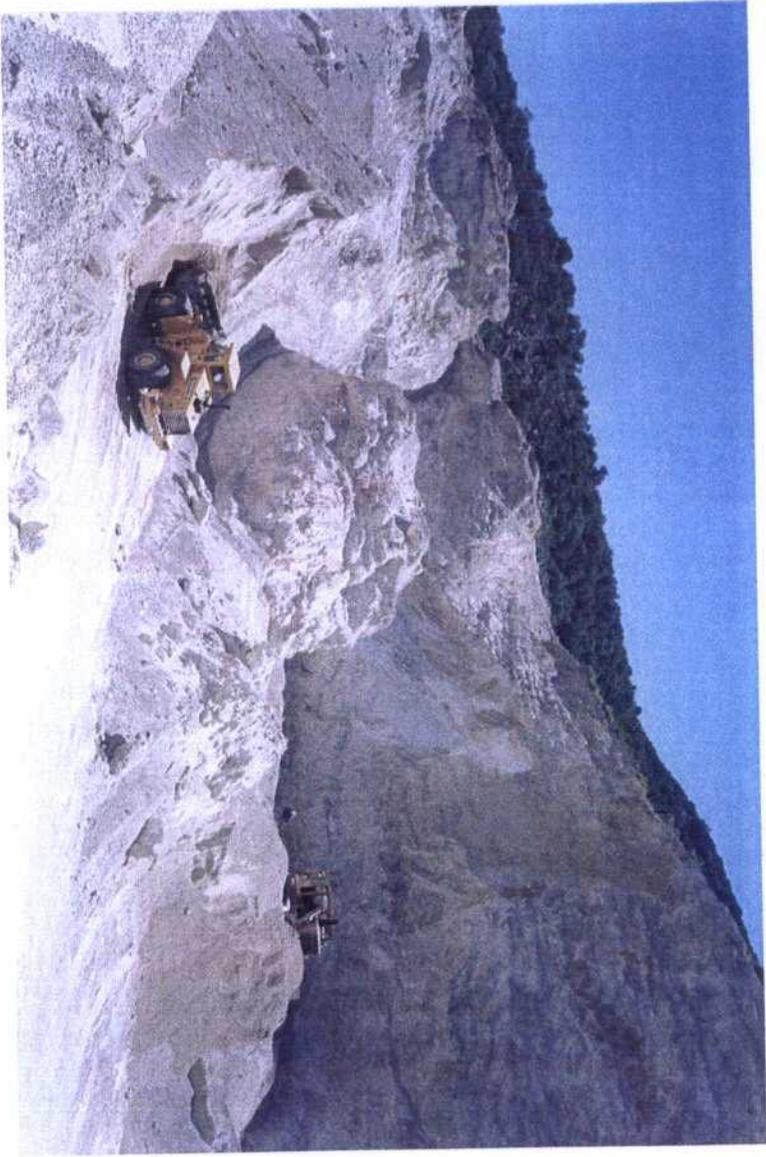
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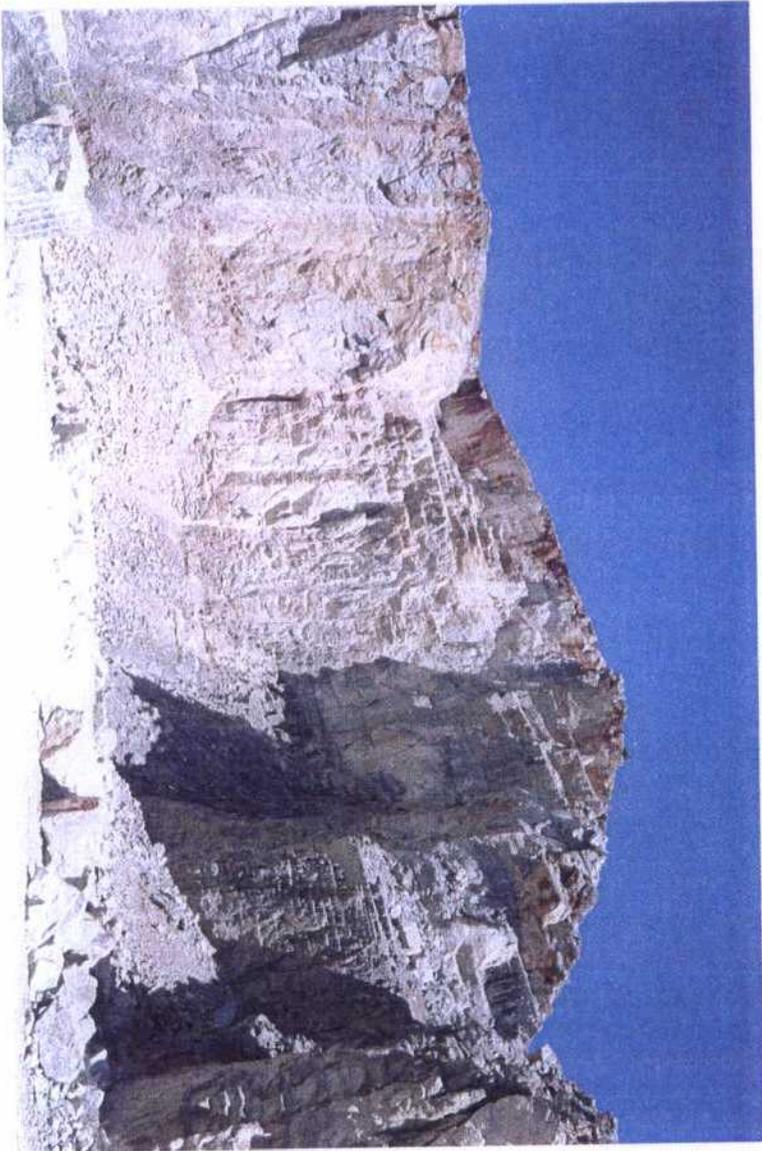
MA- Fontalba



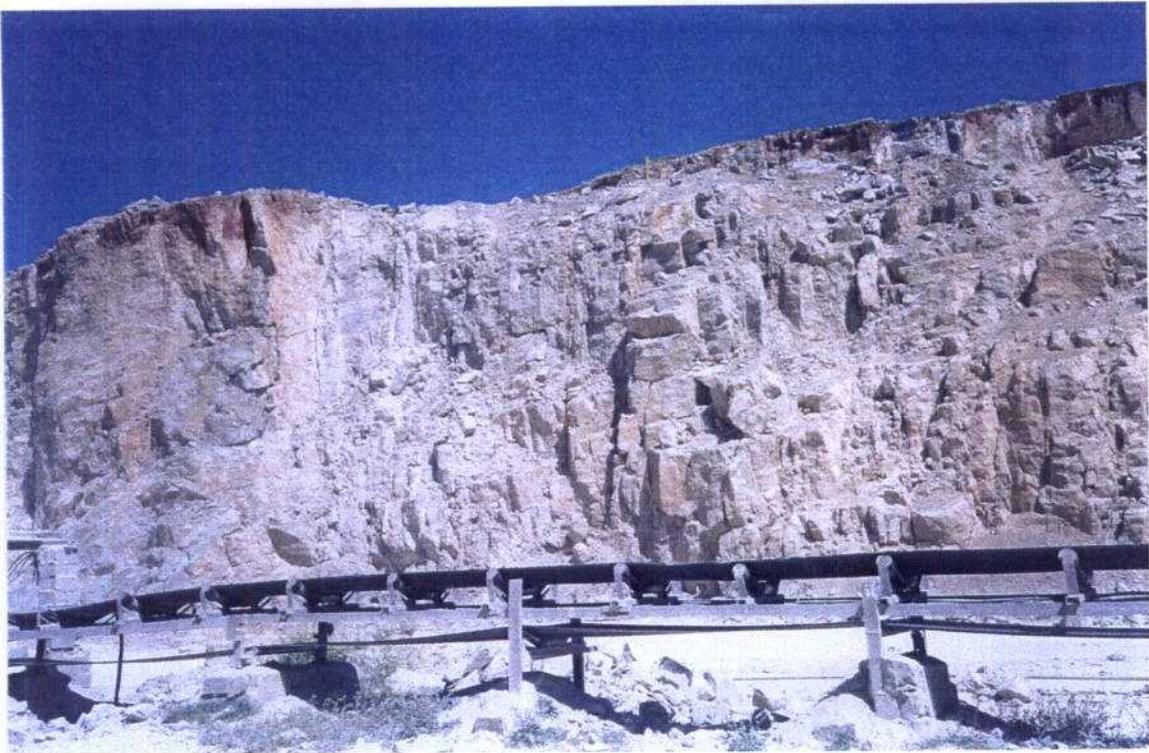
MA- Cristal



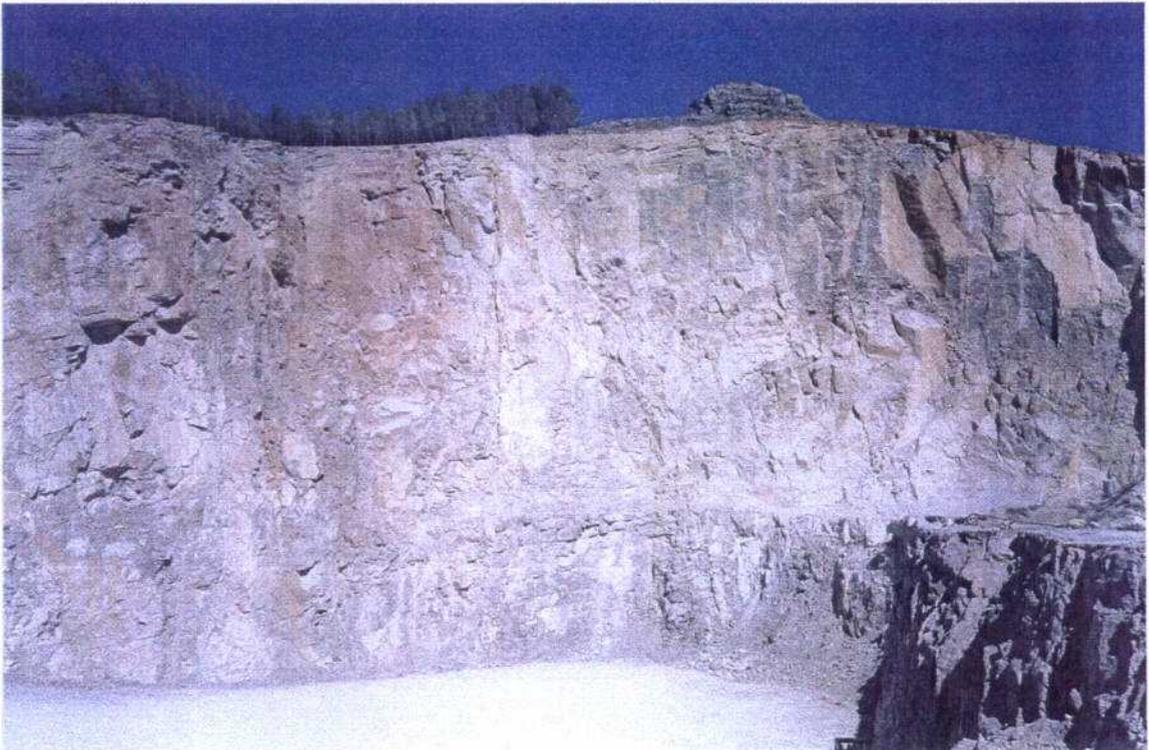
GR - El Zegrí



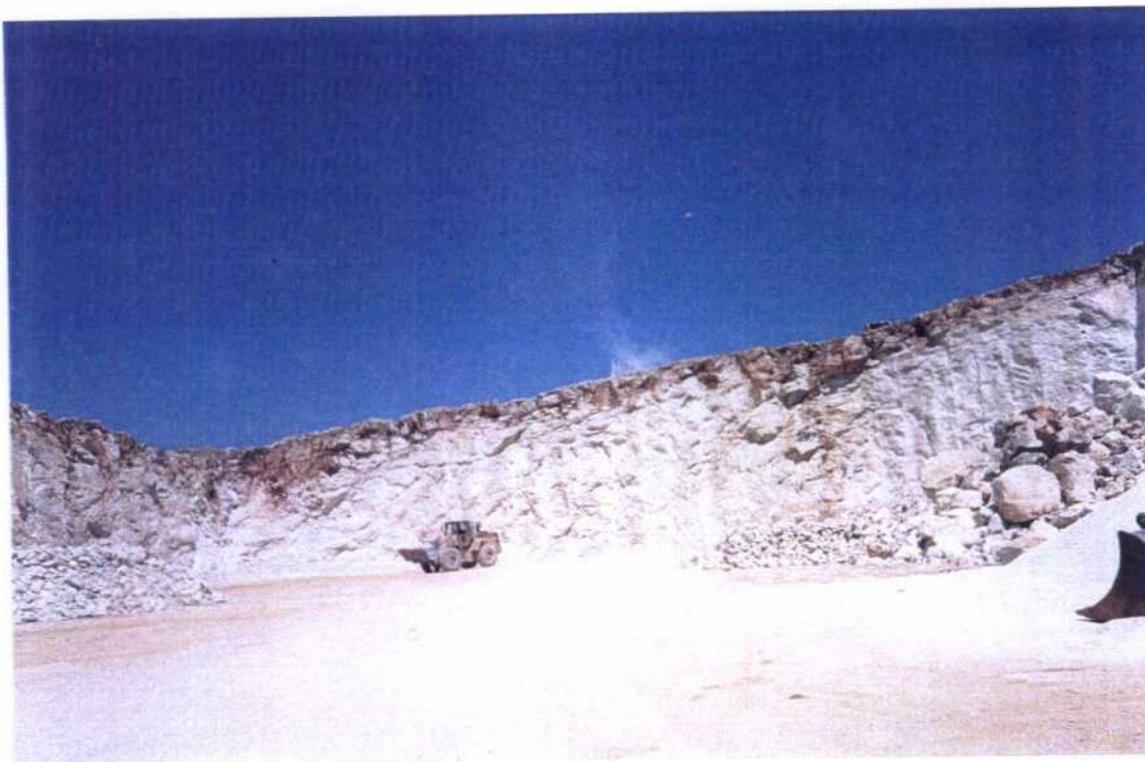
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GR.- Tajo del Justo



GR.- Buenavista



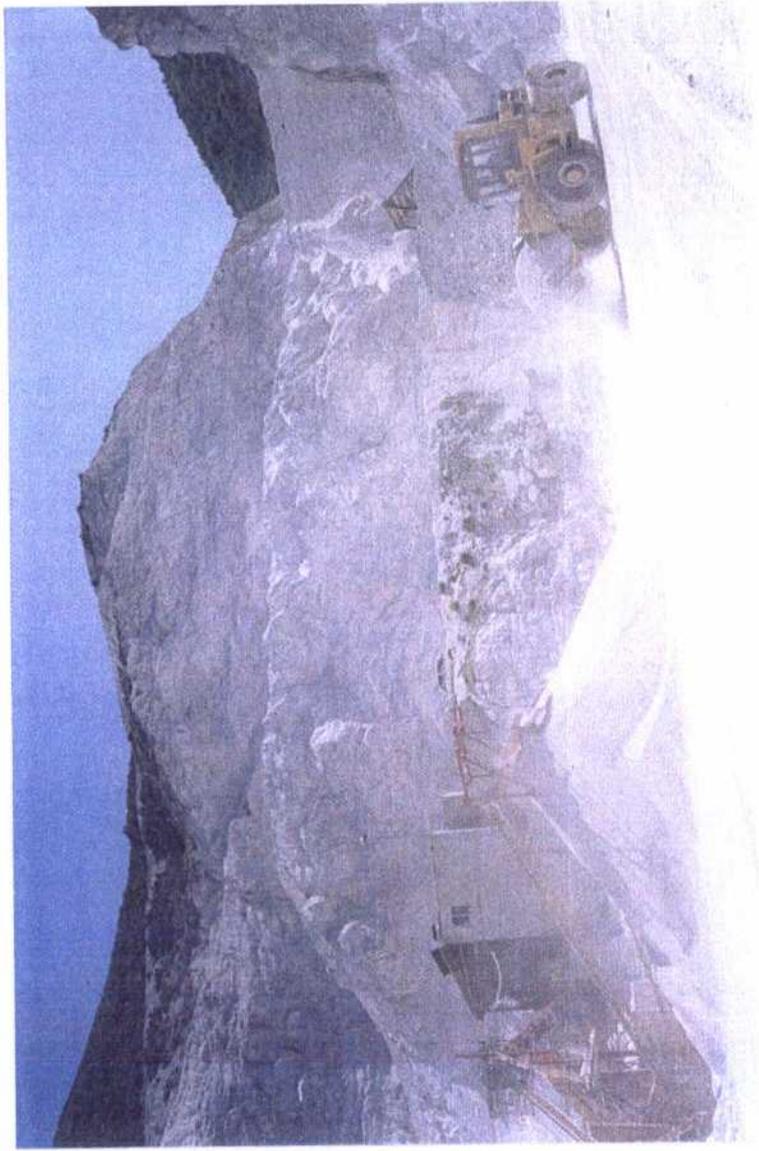
GR.- Venta del Rayo



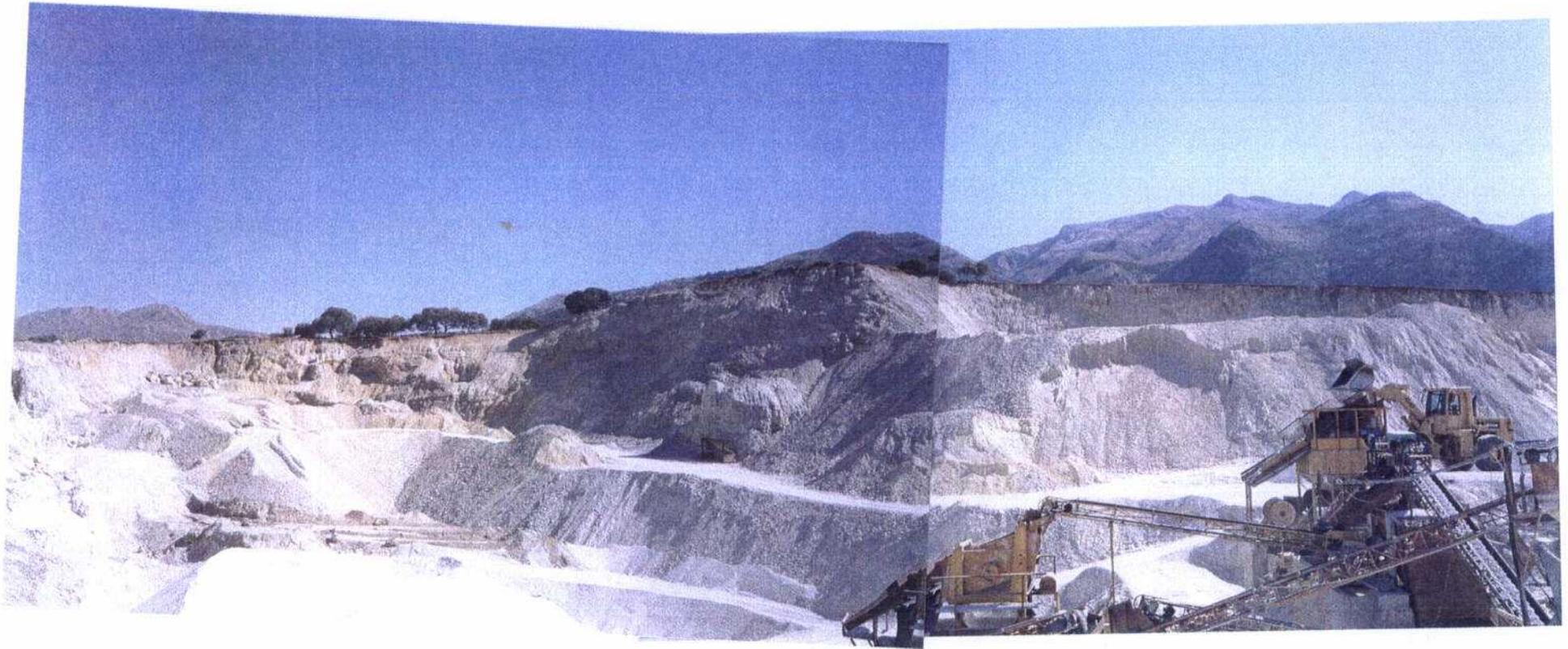
GR.- Las Cañadas



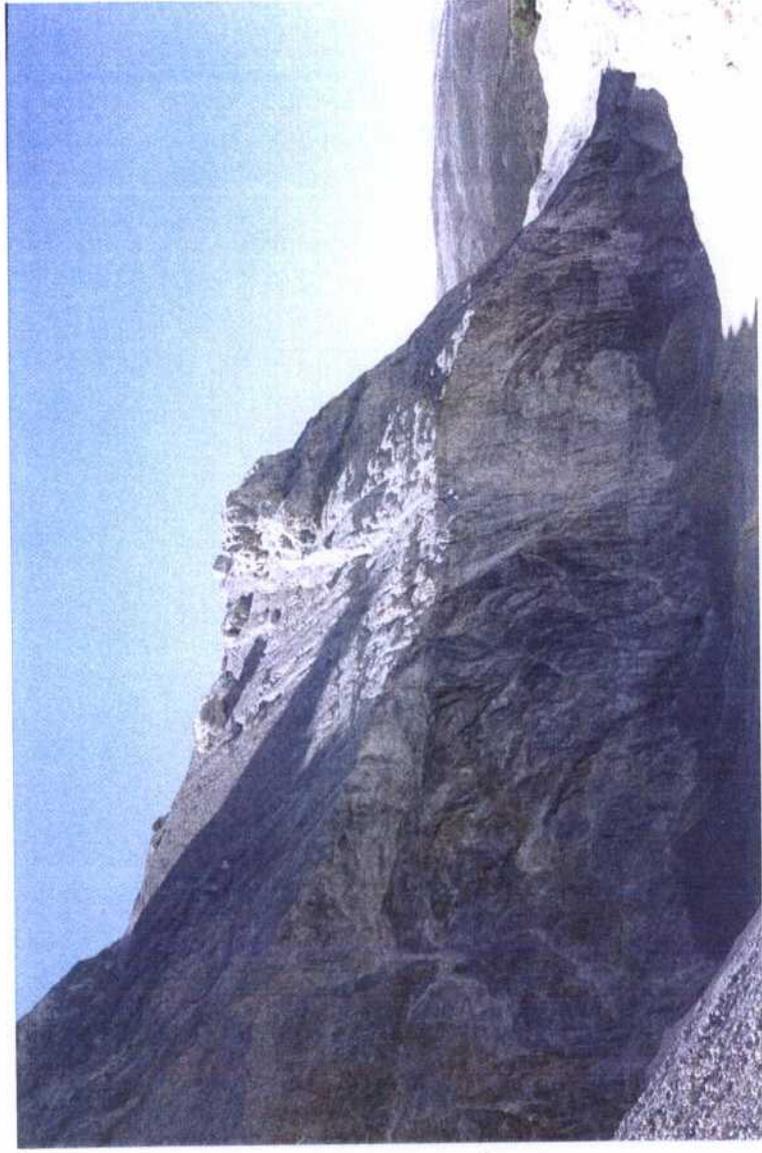
GR.- La Pelona II



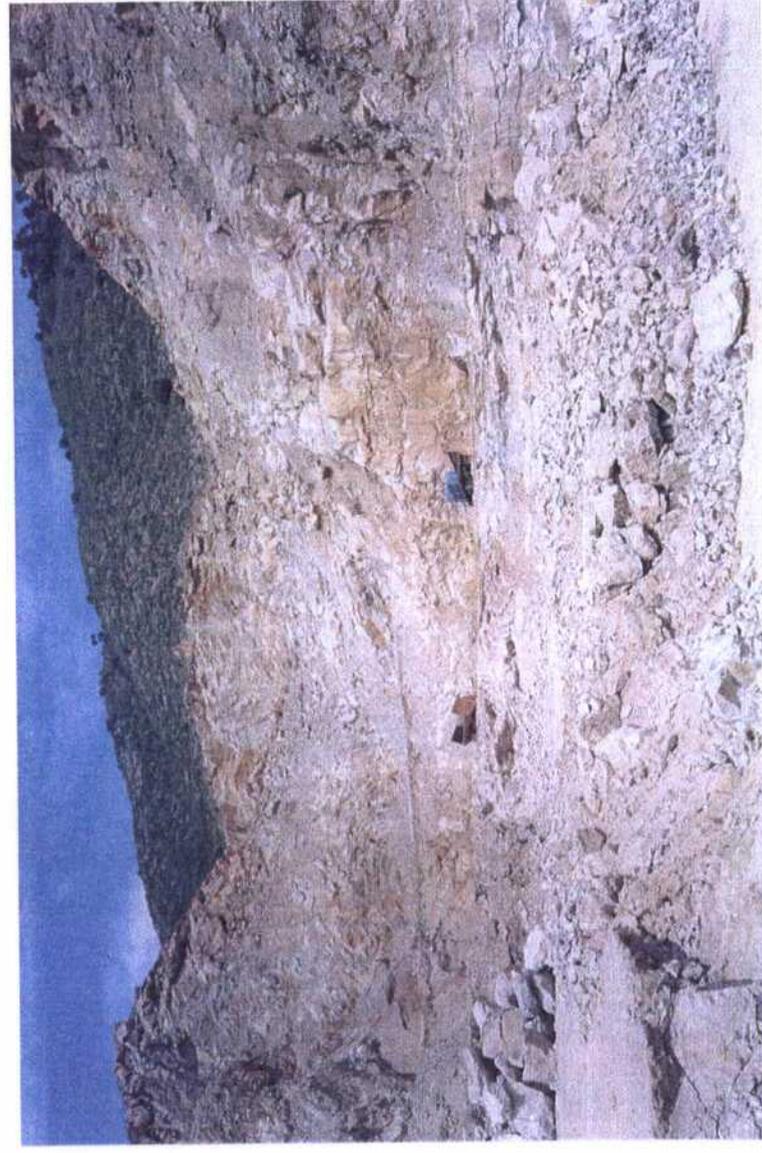
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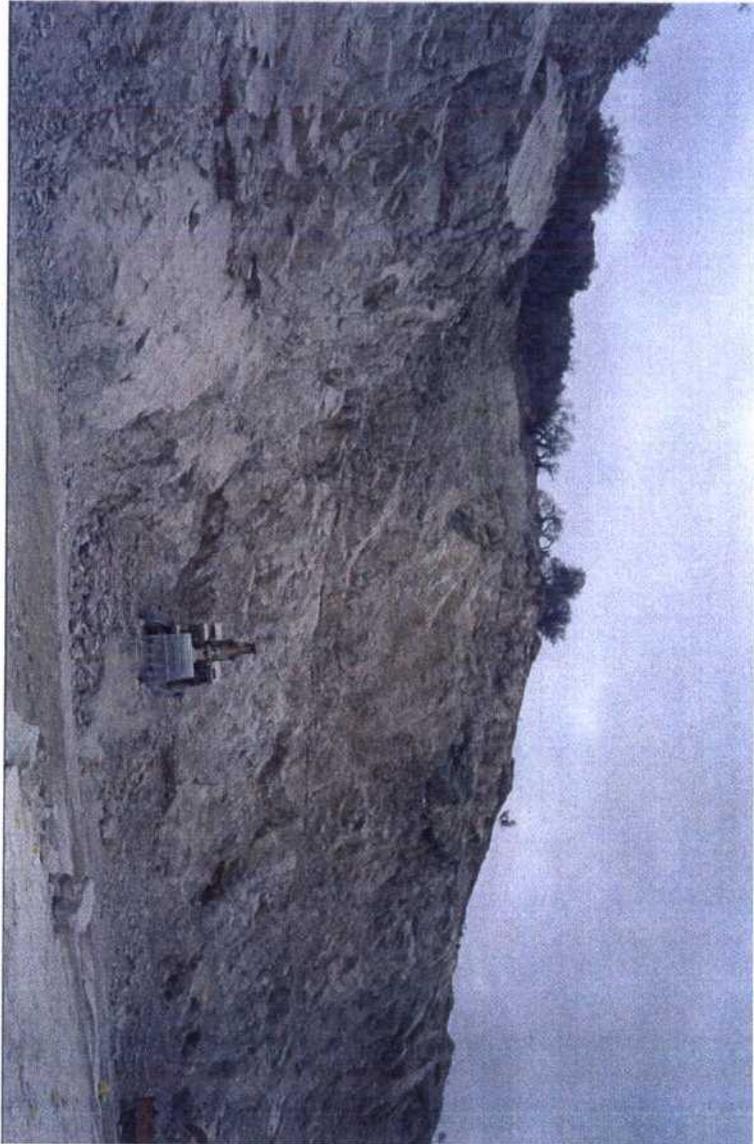
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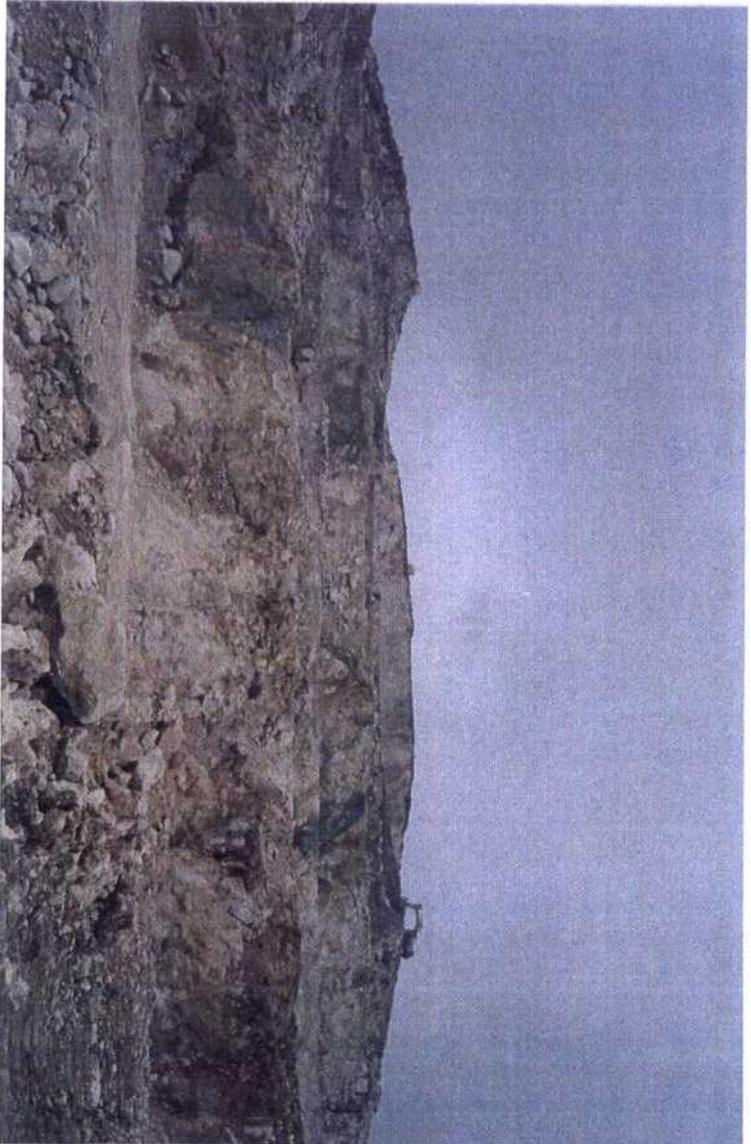
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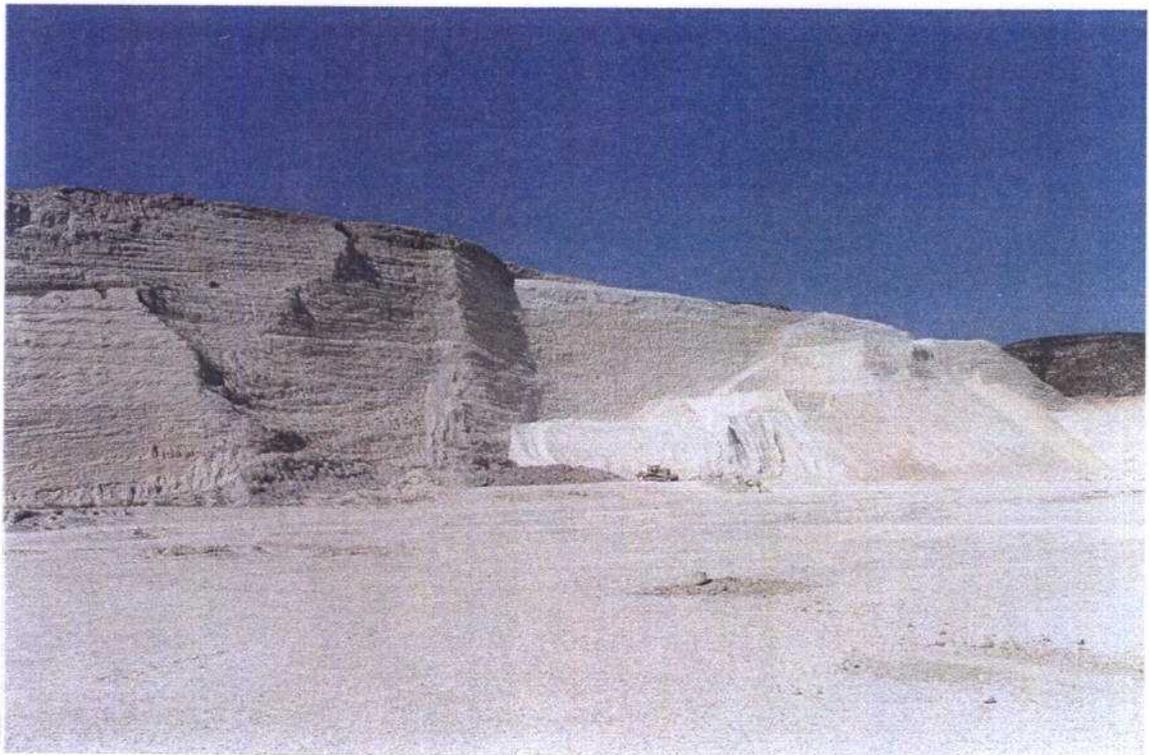
AL- Virgen del Rosario



AL- La Tía María

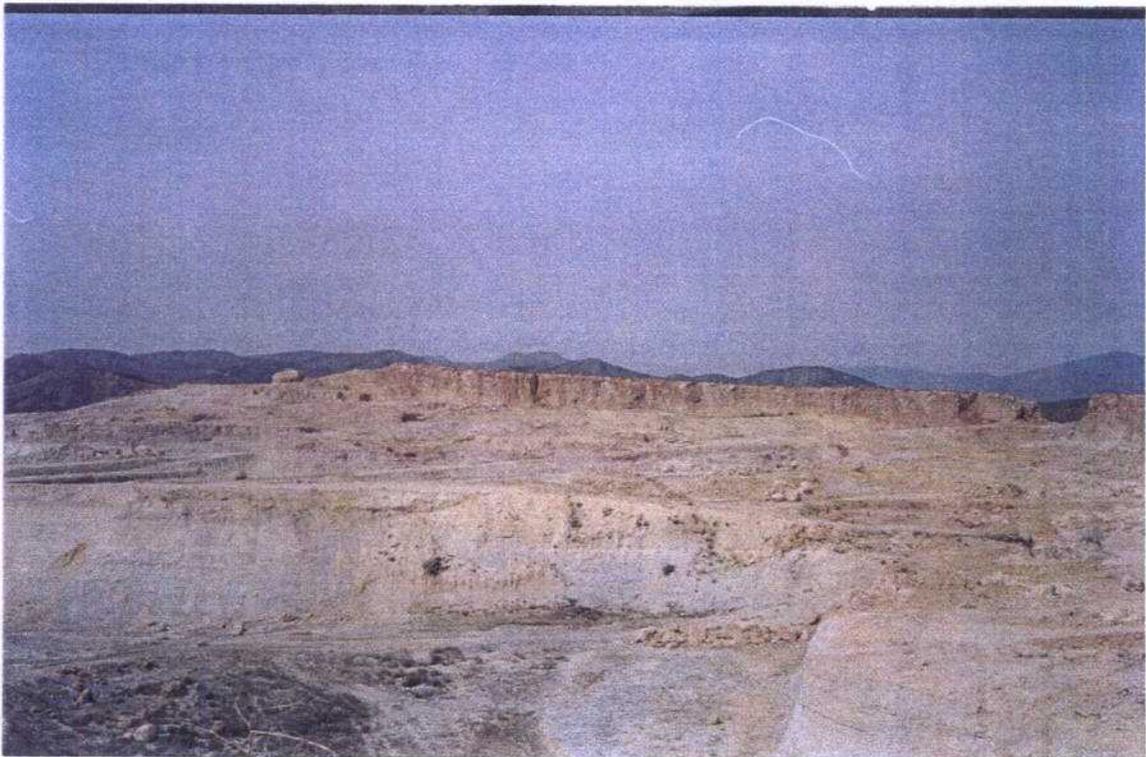


AL- La Mezquita

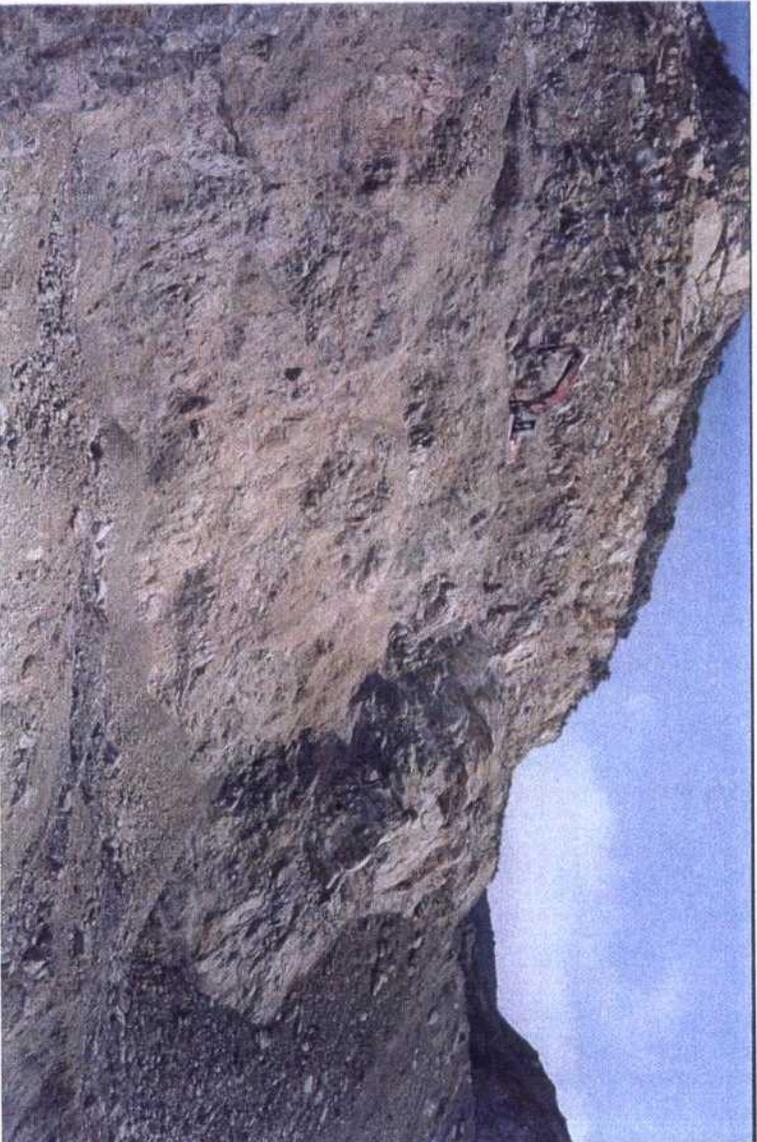




AL- El Umbrión



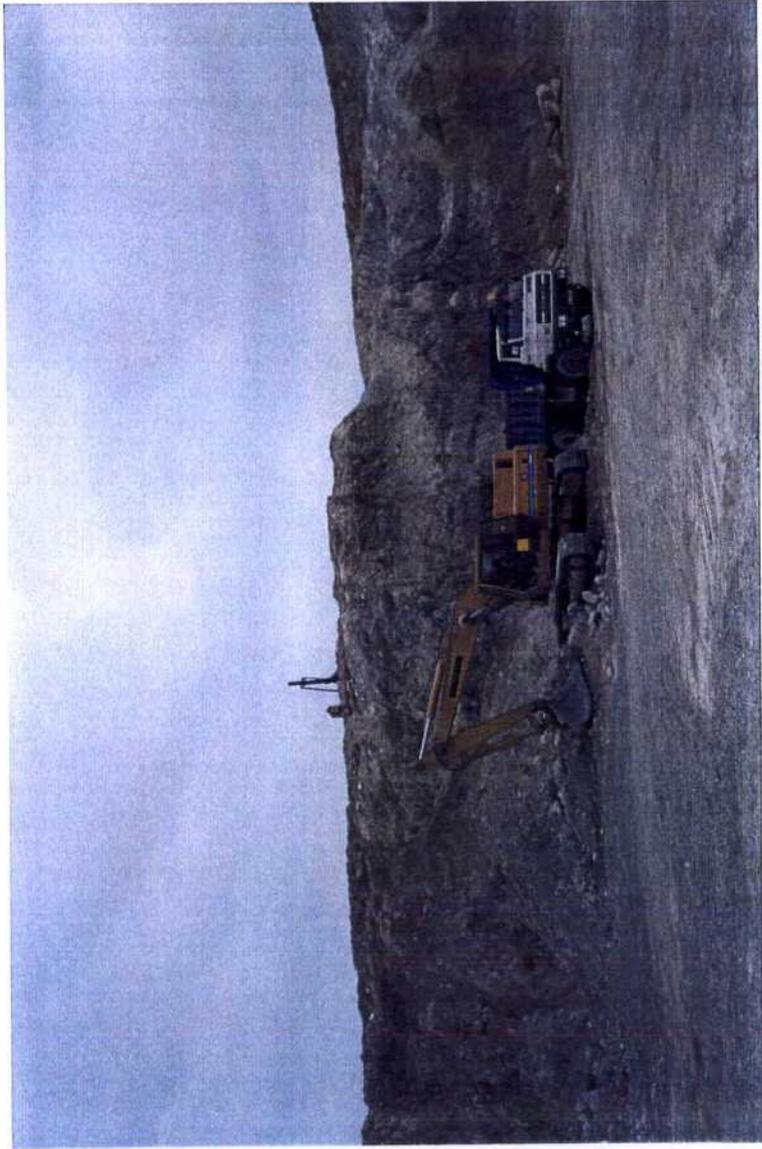
AL- Hisalba



AL - El Almendral



AL - Aridos del Poniente



AL- Mª Evira



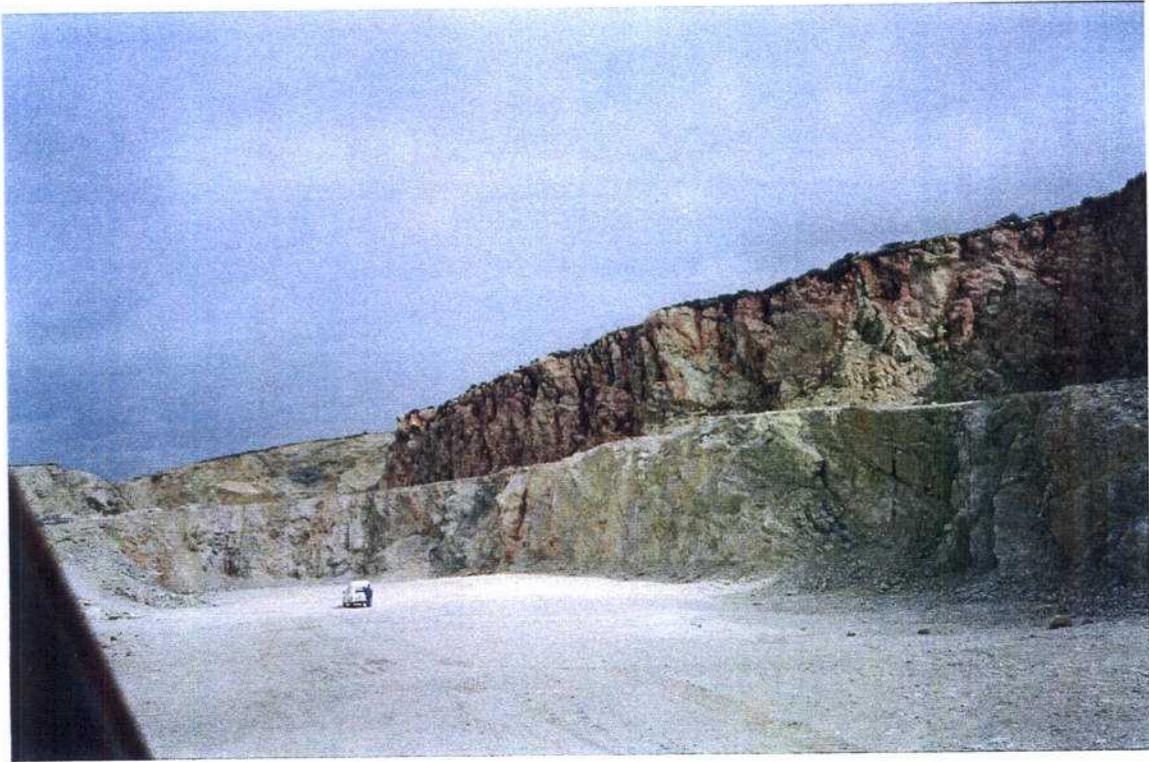
AL- Ana



CA.- Monte de la Cruz



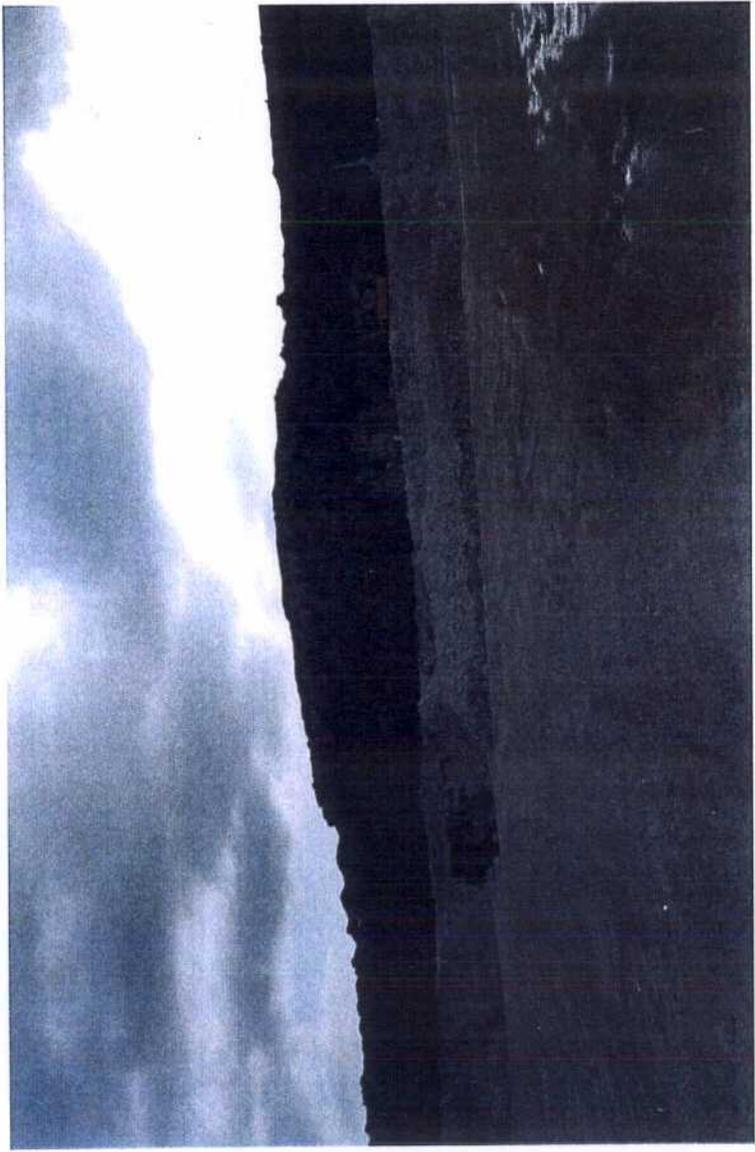
CA.- Alba-Jerez 2 P.UNO



CA- Arcos



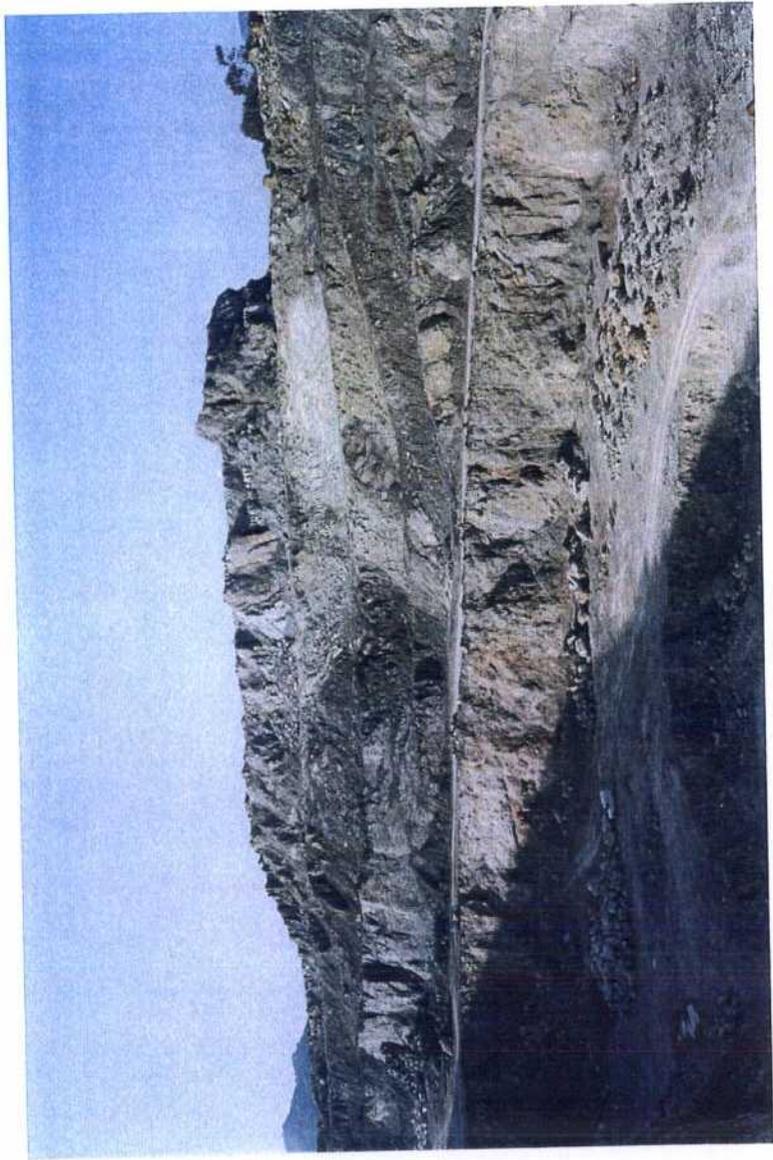
CA- Carmen



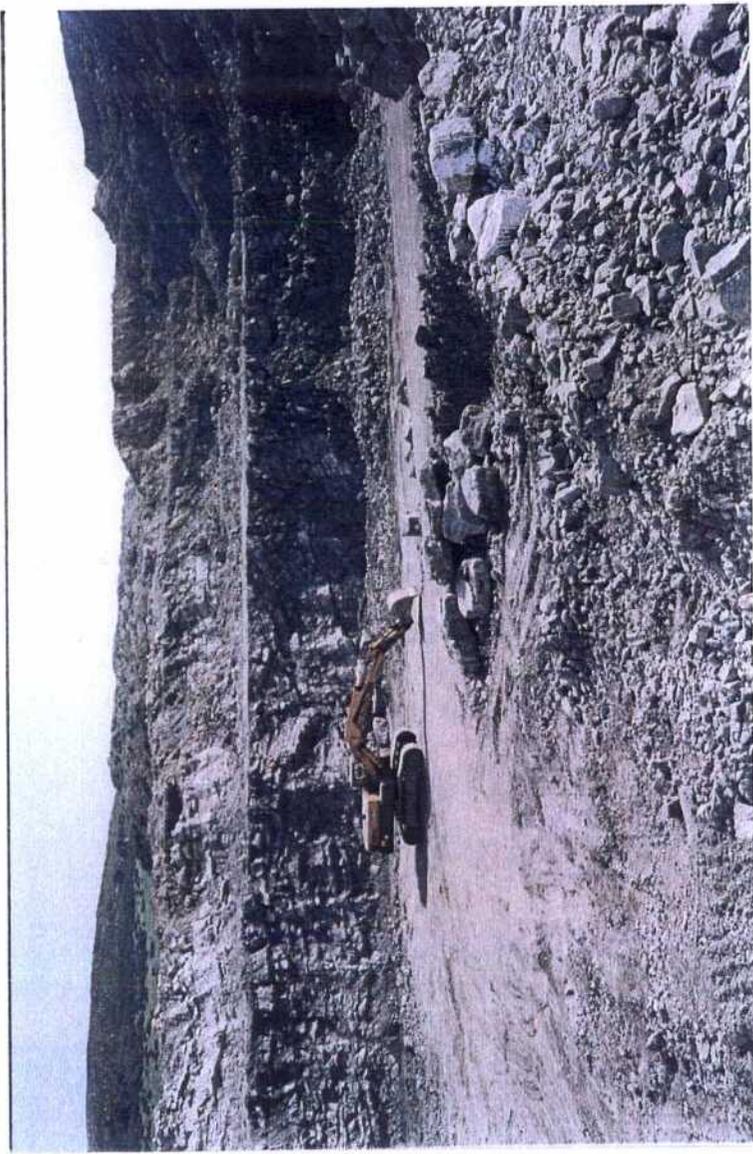
CA- Las Pilas y la Graja



CA- El Berrueco



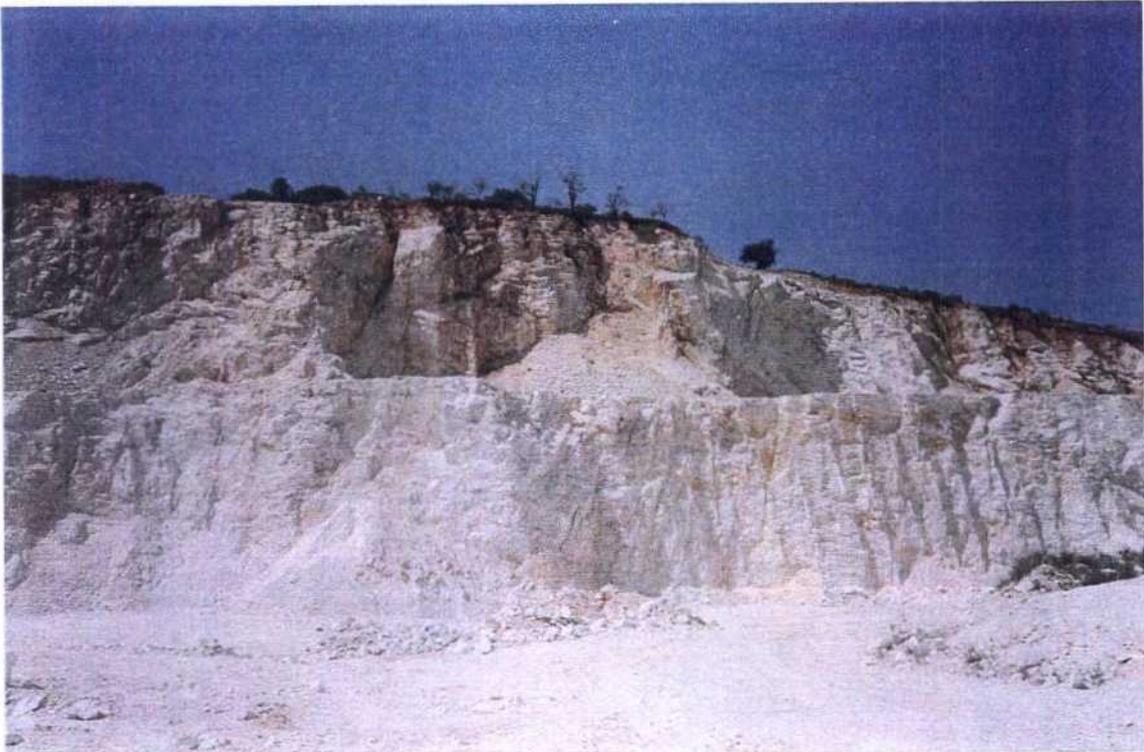
CA- Los Guijjos



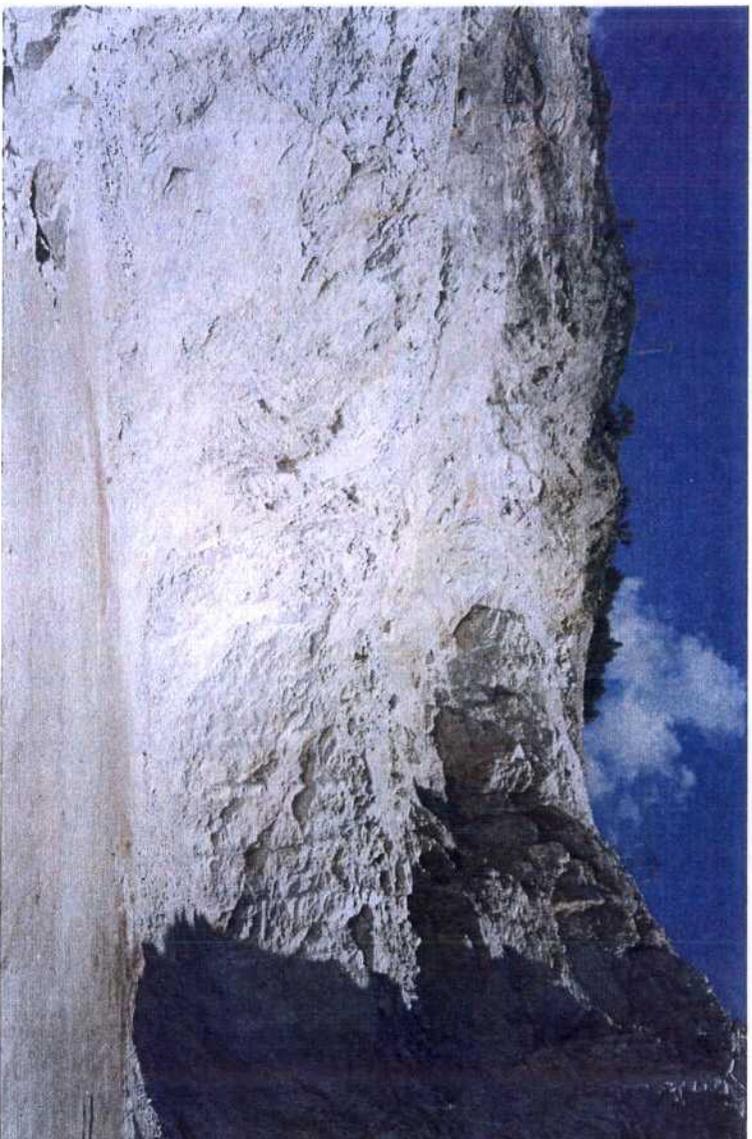
CA- La Doctora



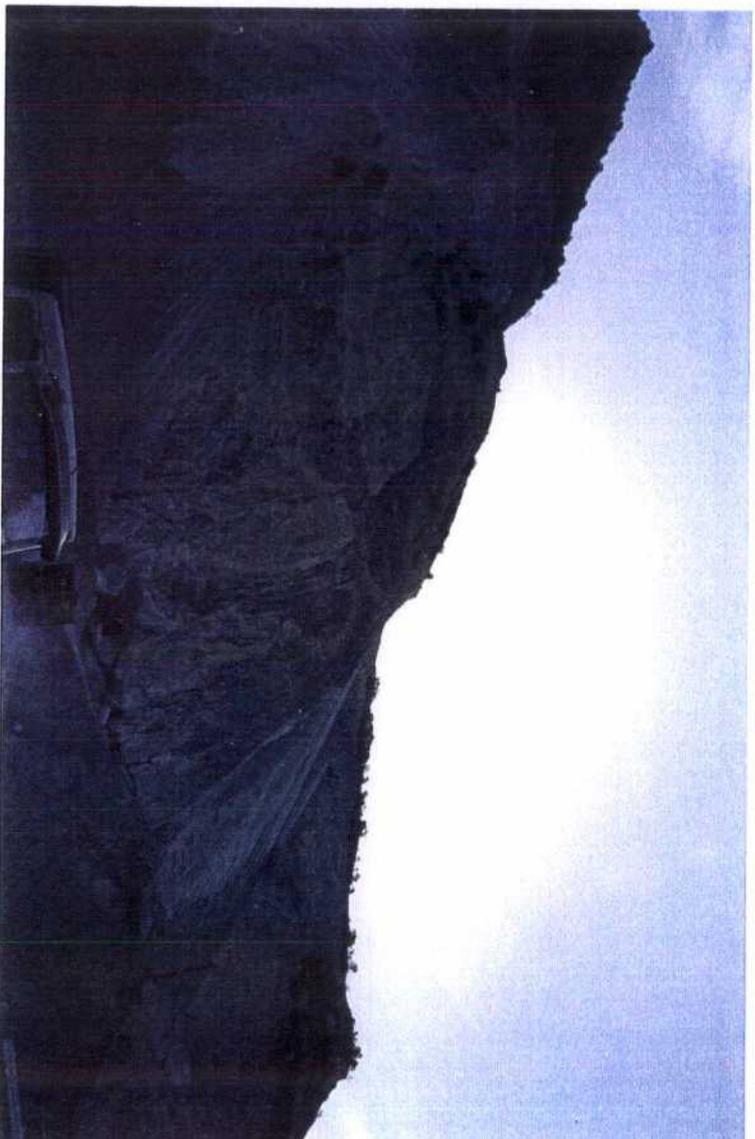
MA.- Puntal



MA.- Cantero y Garrido



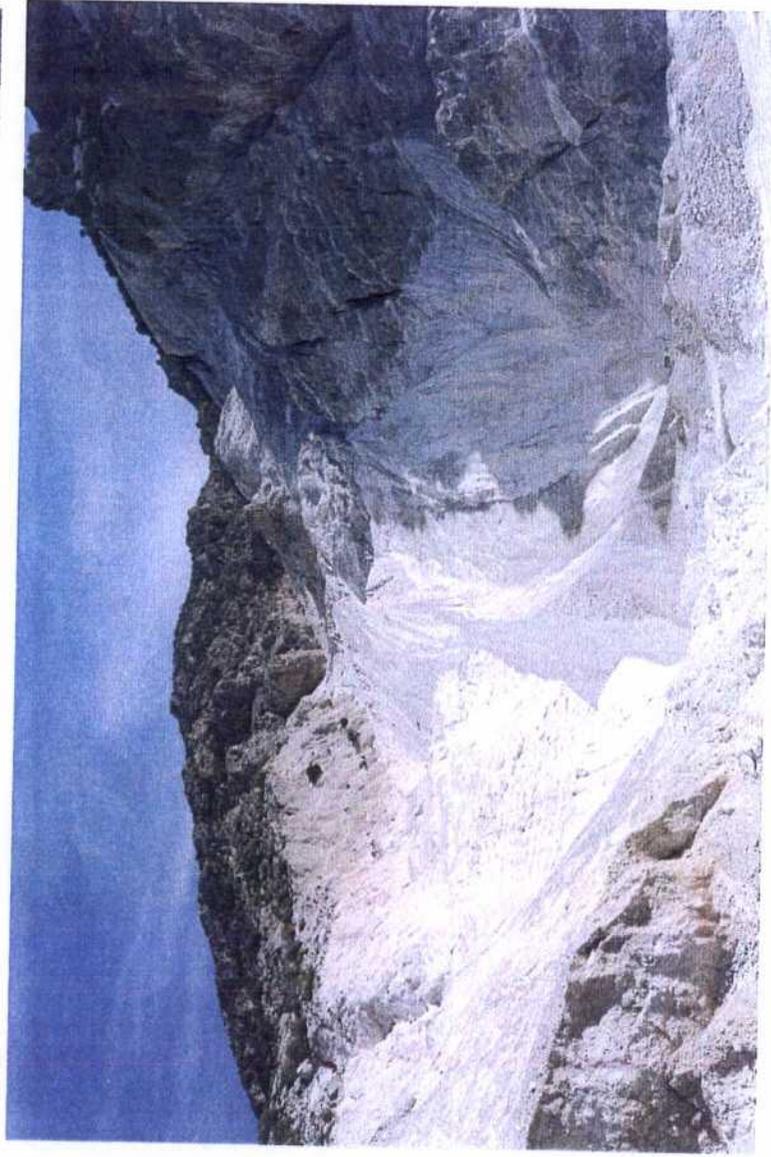
MA. - Josefina



GR. - Tajo del Voladero



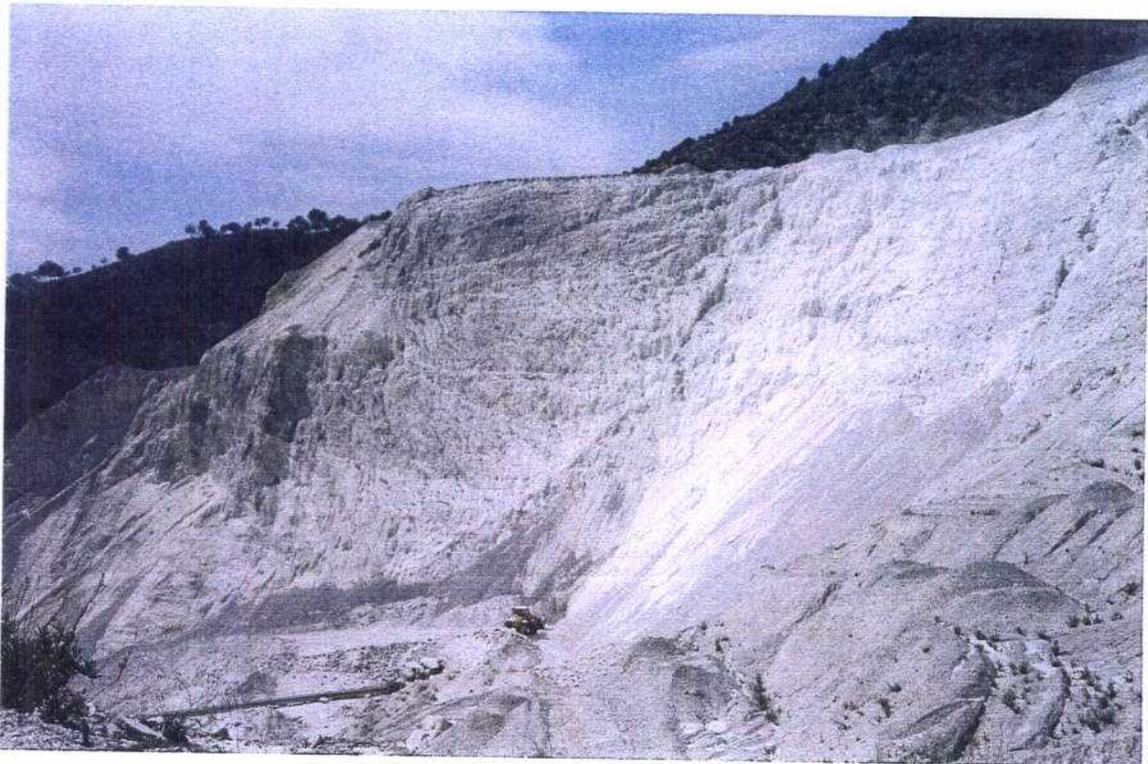
GR.- San Ramón



GR.- San Blas



GR.- San Sebastián



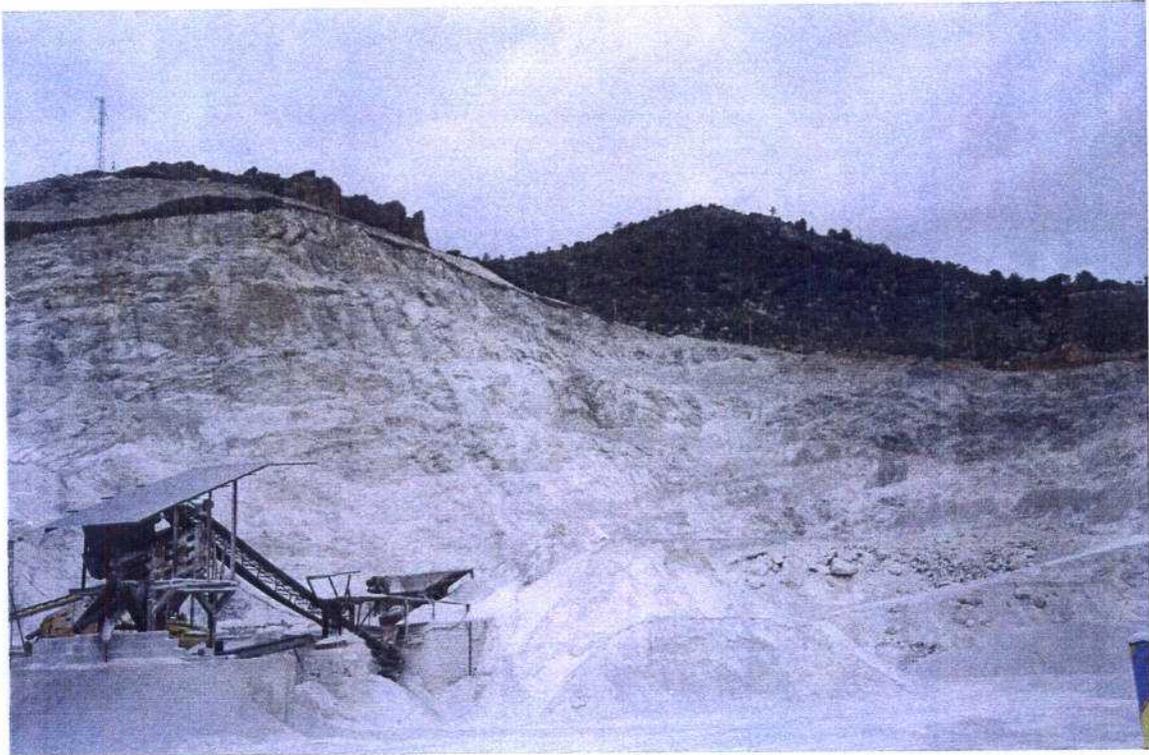
GR.- Cerro El Penitente



GR.- Cerro Sopas



GR.- San Roque



GR.- Los Pinos



GR.- M^a José



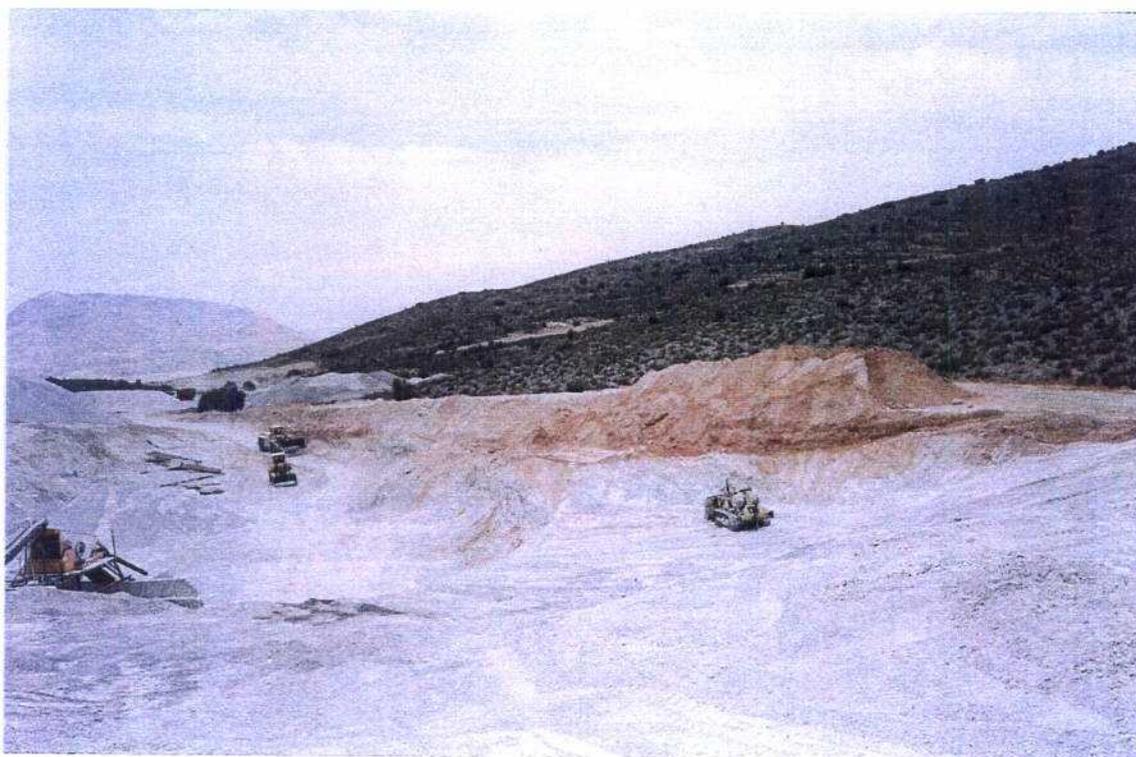
GR.- El Pozuelo



GR.- Cerro de los Bolos II



GR.- La Atalaya I

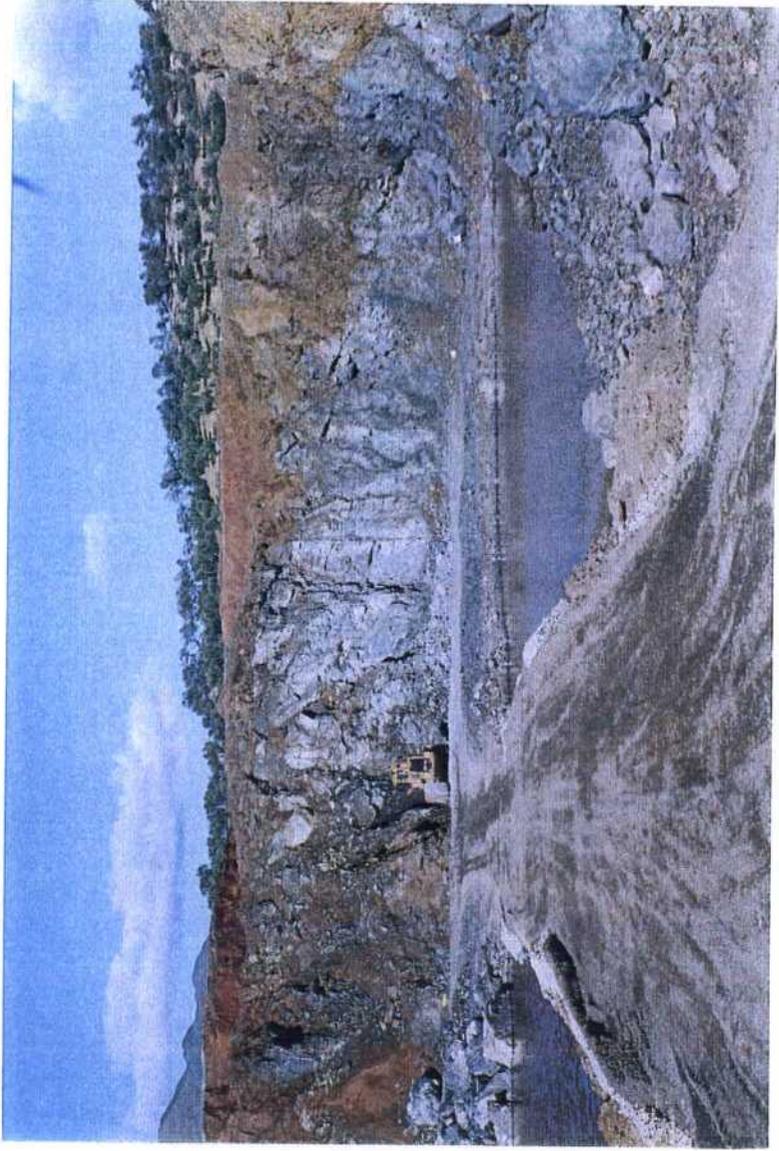


GR.- Julio

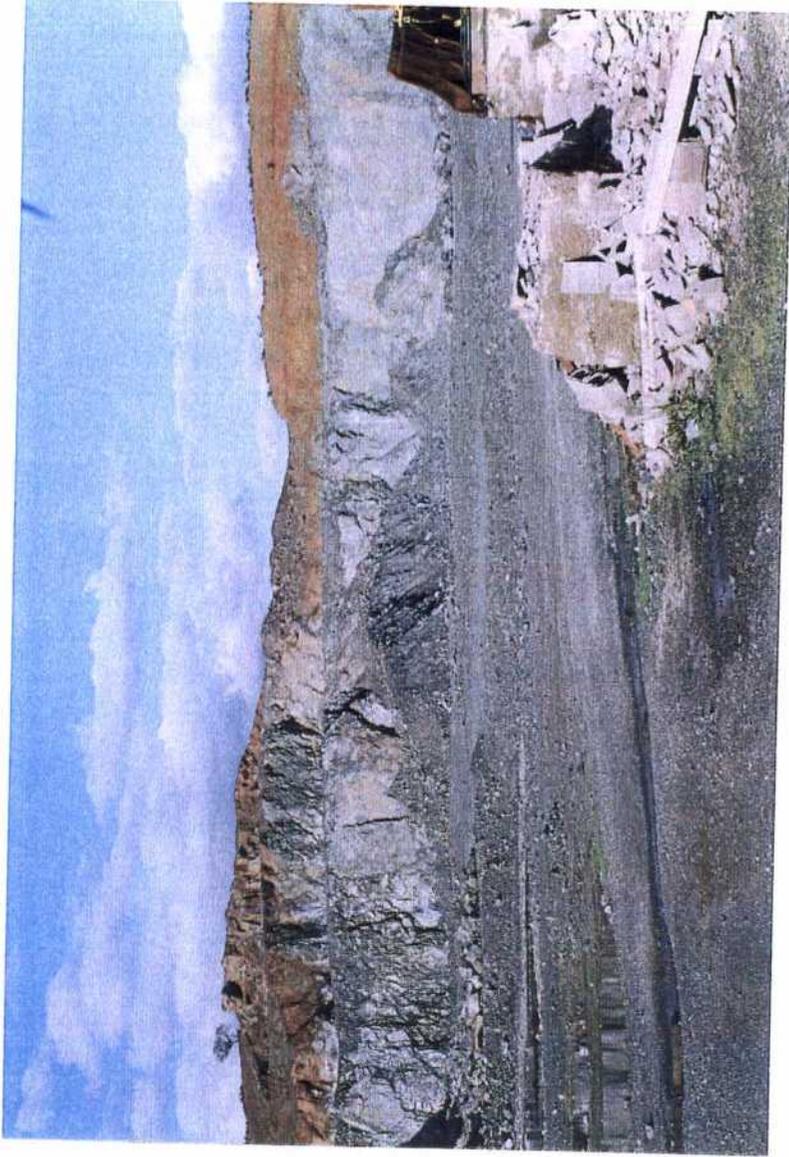


GR - Atalaya II

**OTROS ARIDOS
PARA
TRITURACION**



SE.- El Parroso
ANDESITA



SE.- Las Arenillas

CUARCITA



JA - Zortilla

GRANITO PARA ÁRIDOS



JA - Cerro de la Maja



HU.- Aldehuela

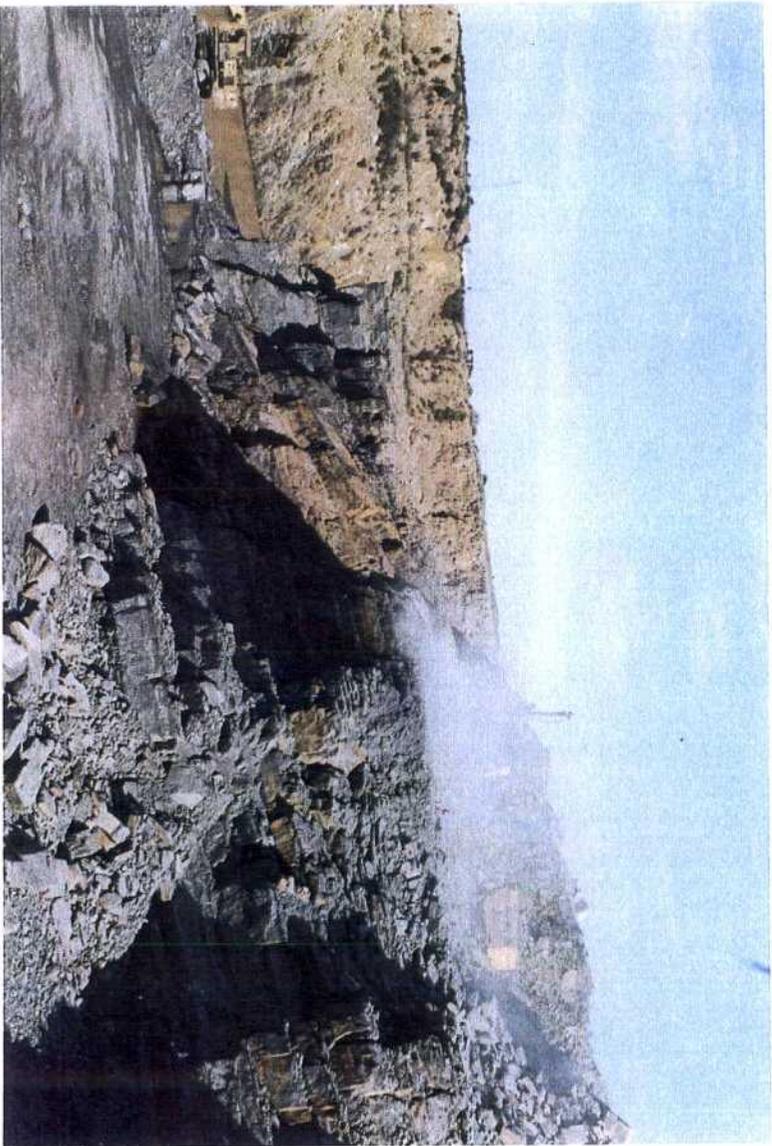
GRAUWACA



HU.- La Chaparrera



HU.- Fuente La Zorra
GRAUWACA



HU.- El Campillo

YESO



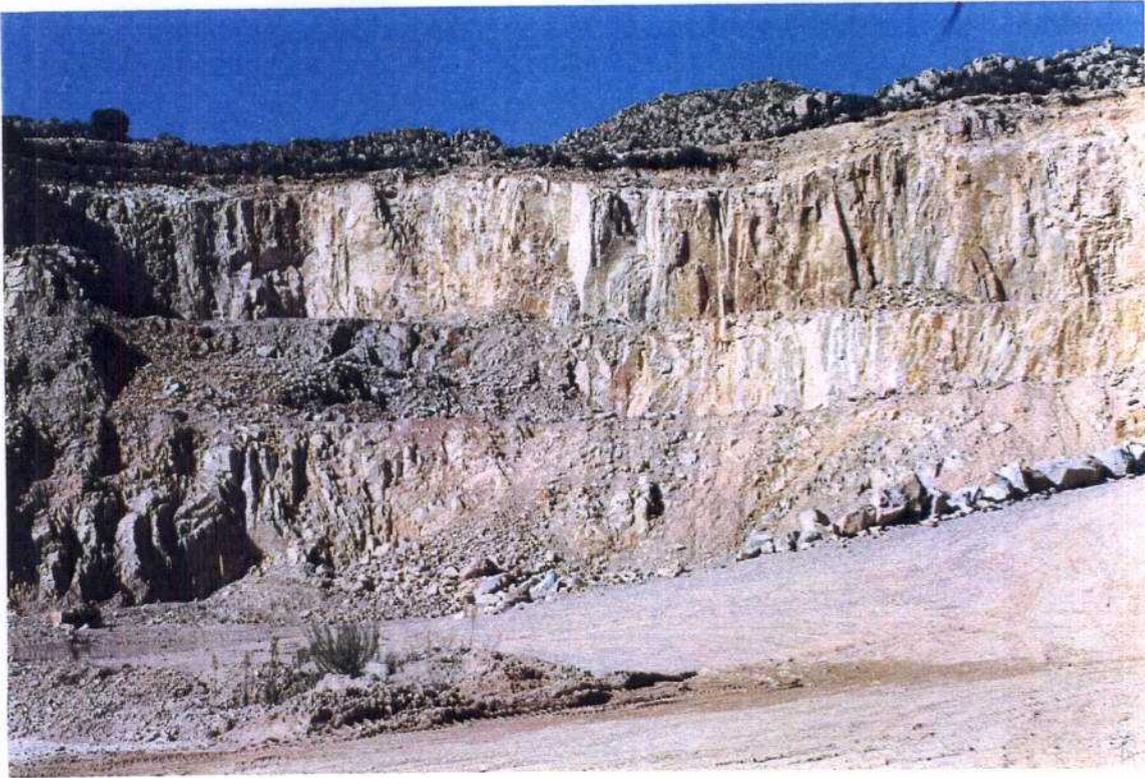
SE.- El Molinillo

PÓRFIDO



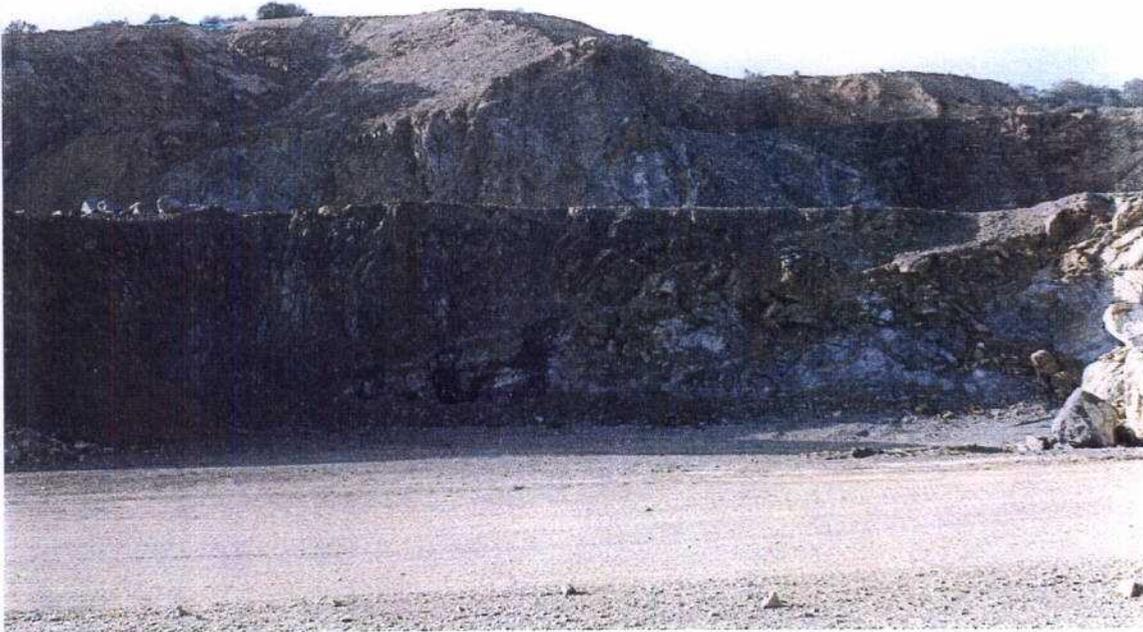
SE.- Llano del Pino

PÓRFIDO



CO.- El Vértice

TRAQUITA



CO.- Rivera



SE.- Cantera de Medina



SE.- Cortijo Viejo



SE.- Cerro Negro



SE.- Yesos Pereira



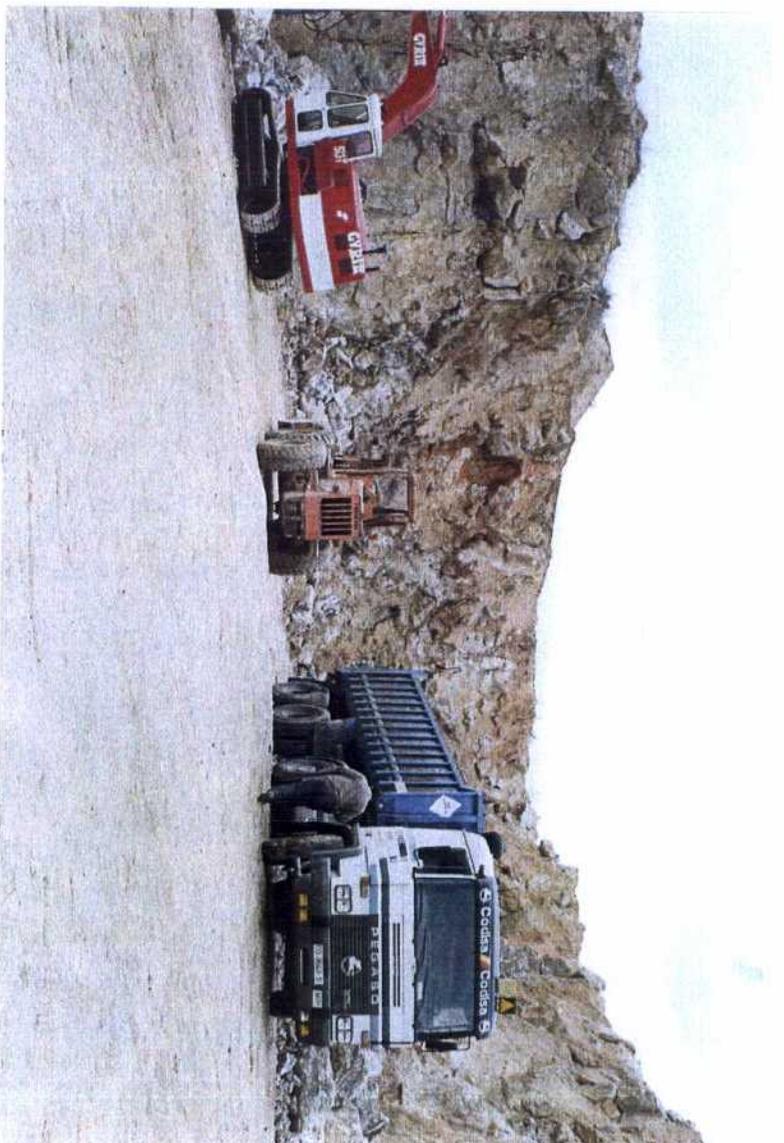
SE.- La Similla



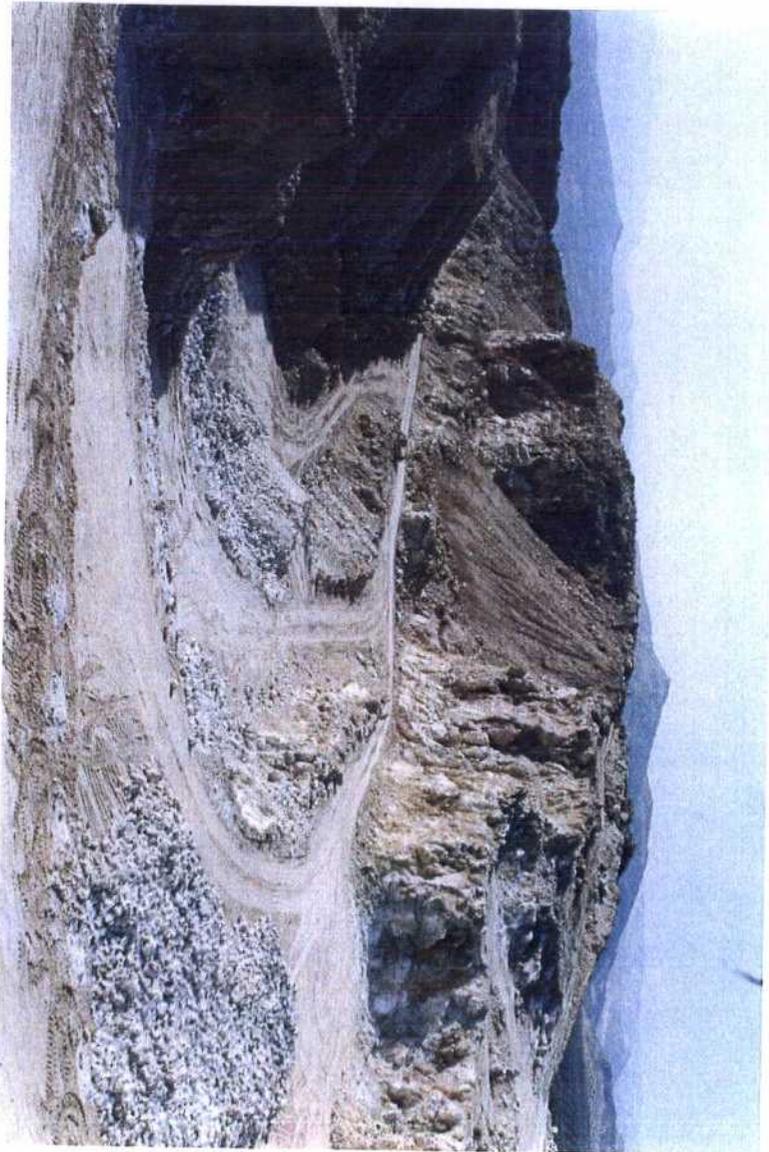
SE.- La Estacada



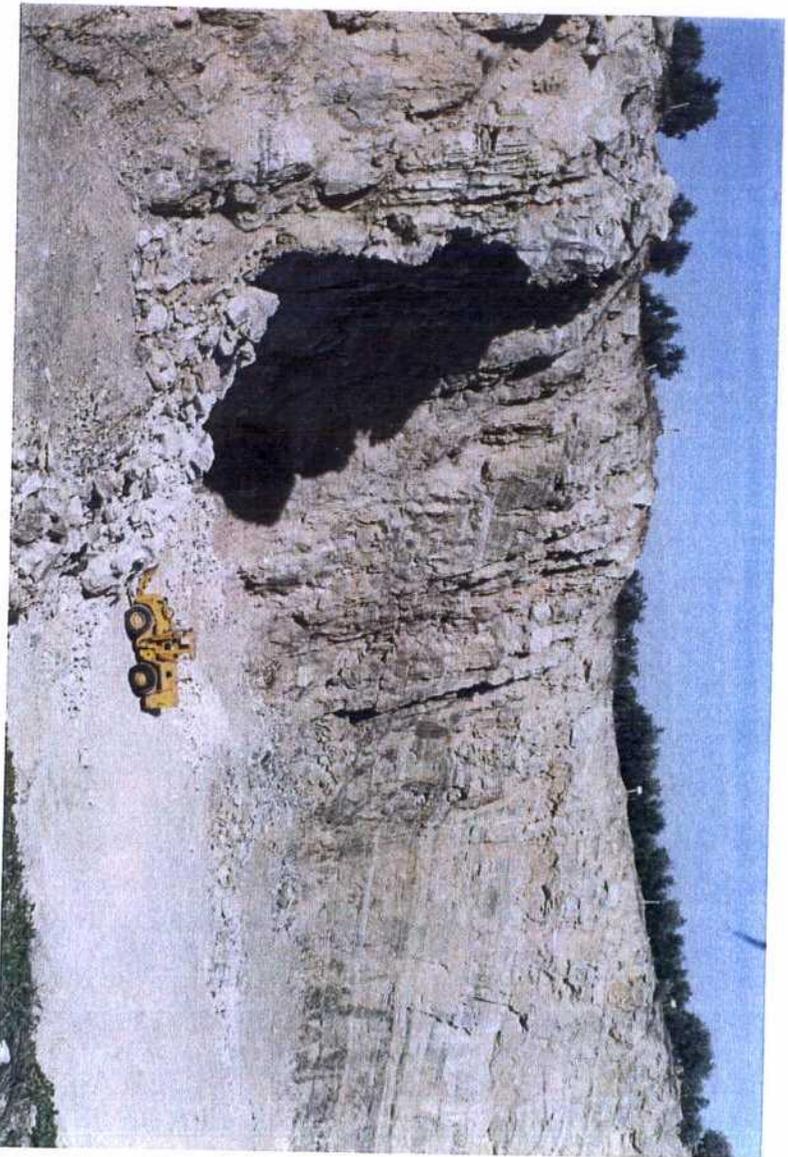
SE - El Charco y Charcoal



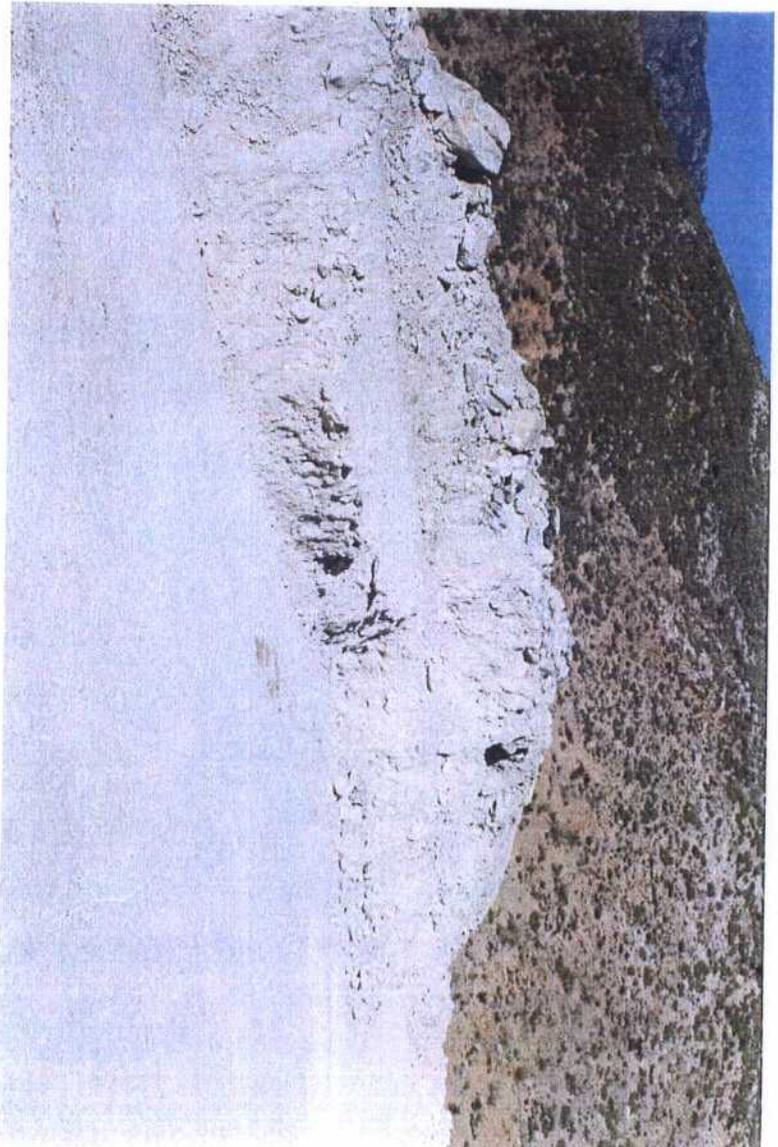
CO.- Cañada de Majuelos



JA - Tumbalegraja



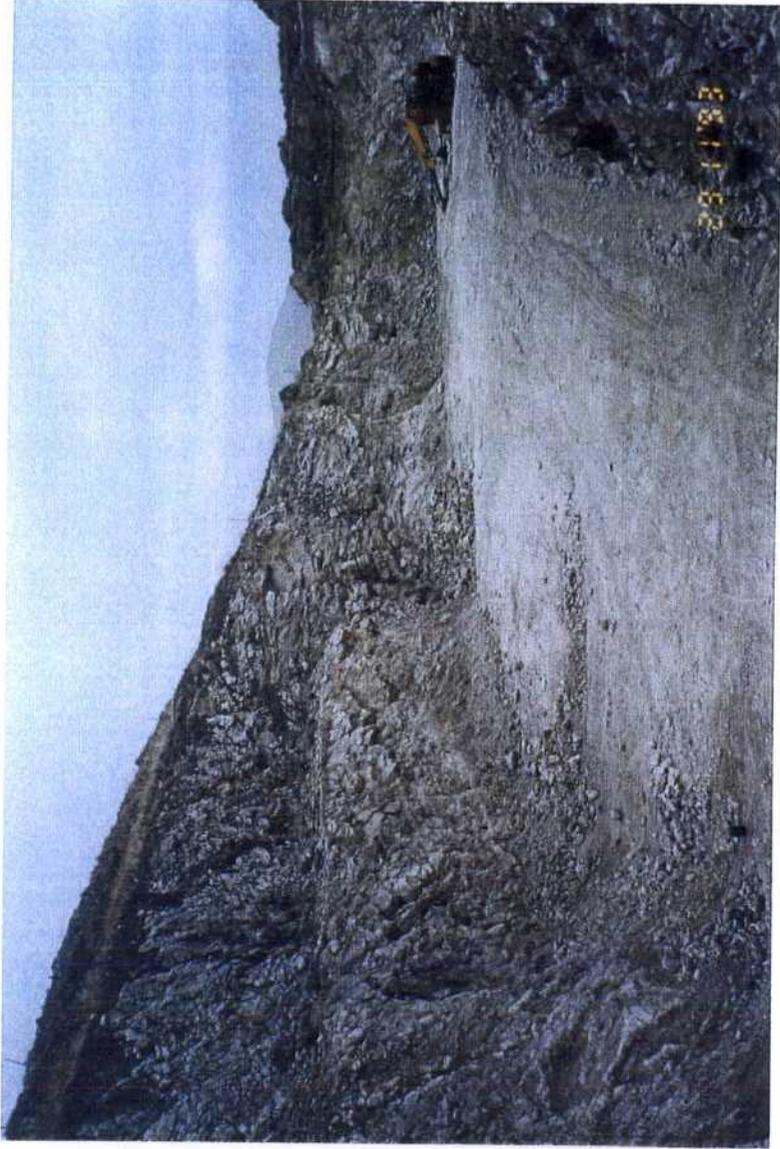
JA - Los Mojones



JA - Gema



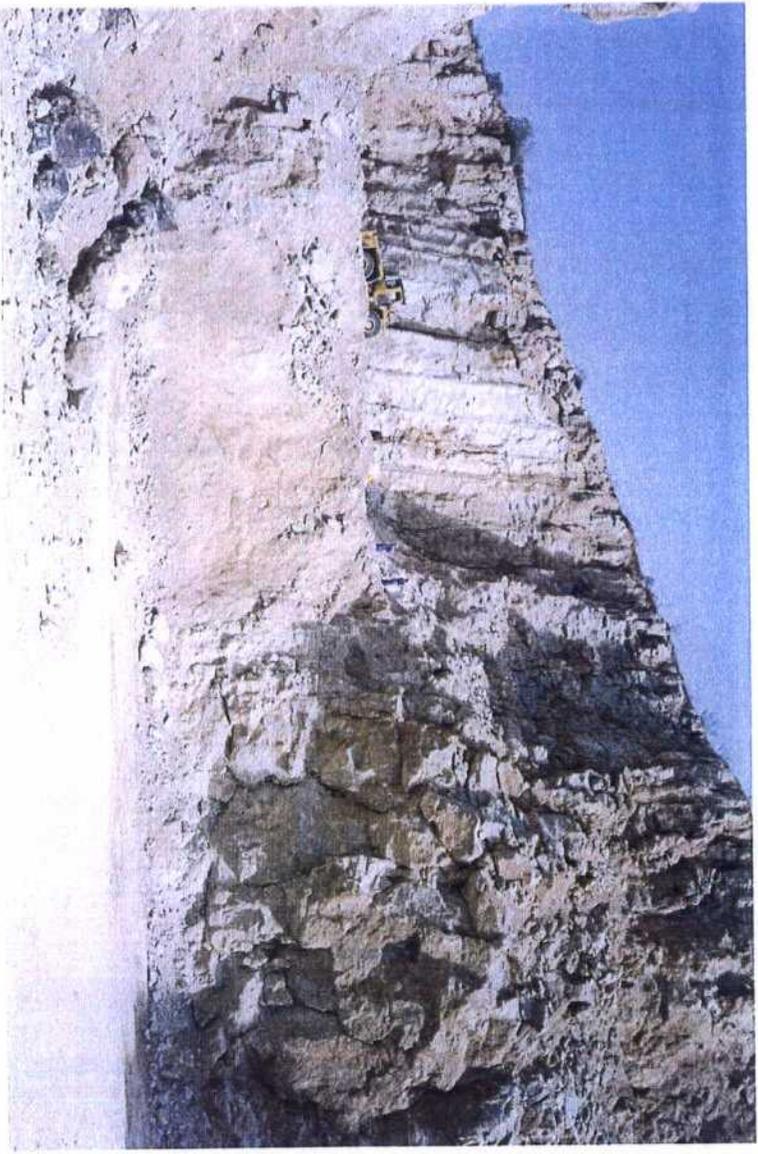
JA - Las Cabañas



JA.- El Duende



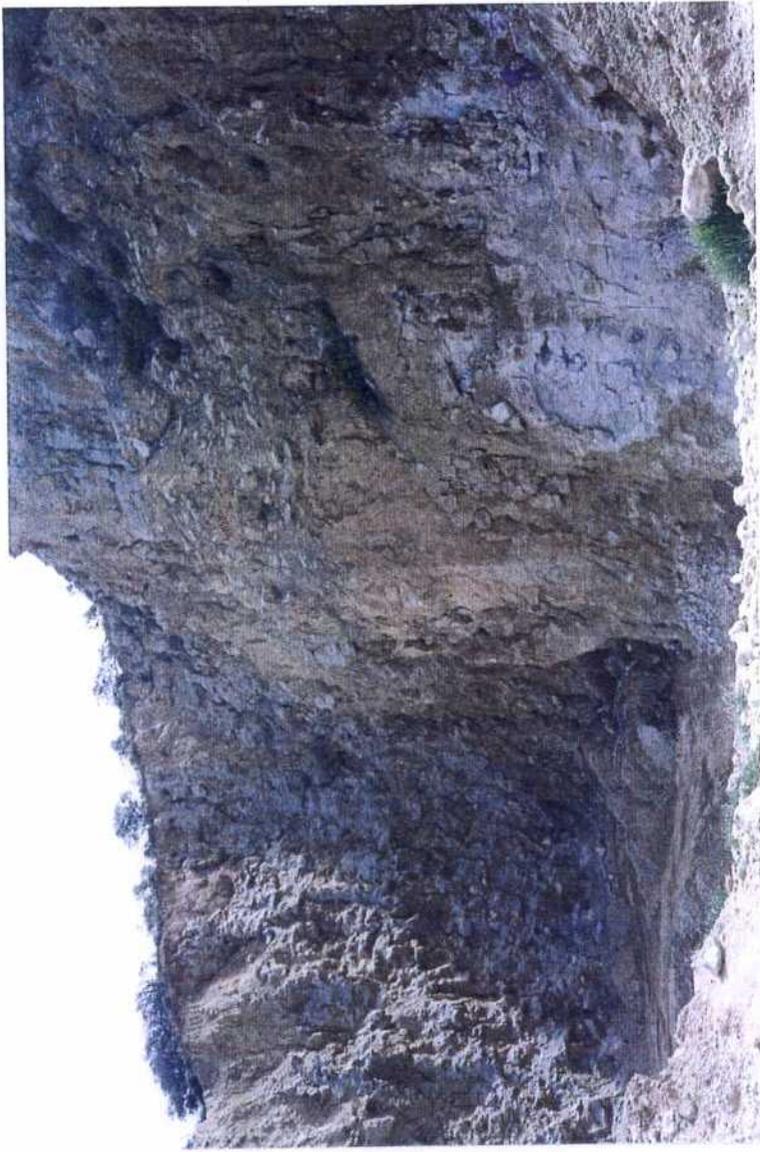
MA.- El Marqués



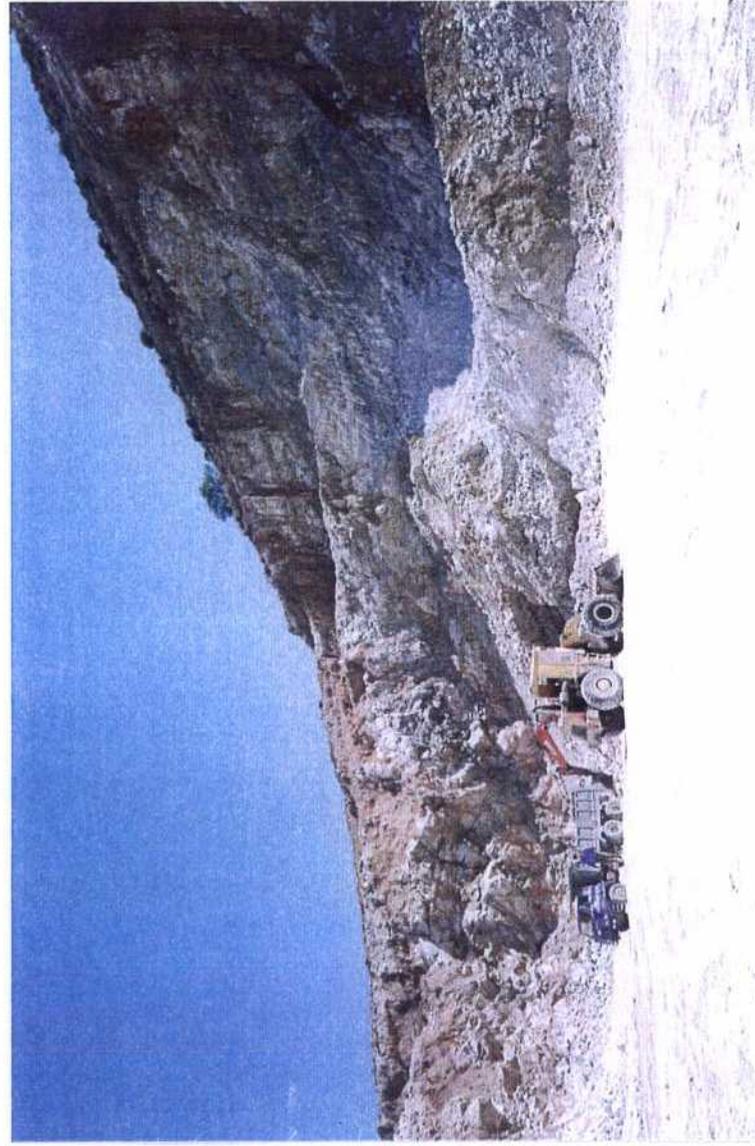
GR - Fuente Camacho



MA - Virgen del Mar



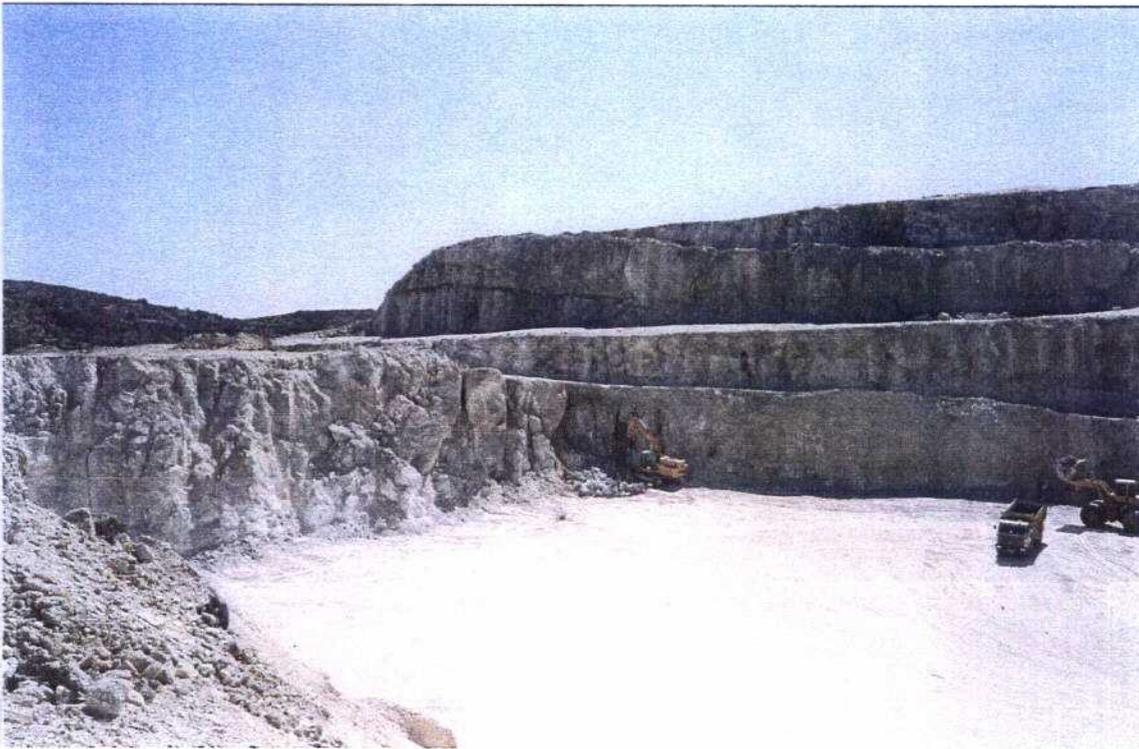
GR.- Las Hoyas



GR.- Cerro Castellón



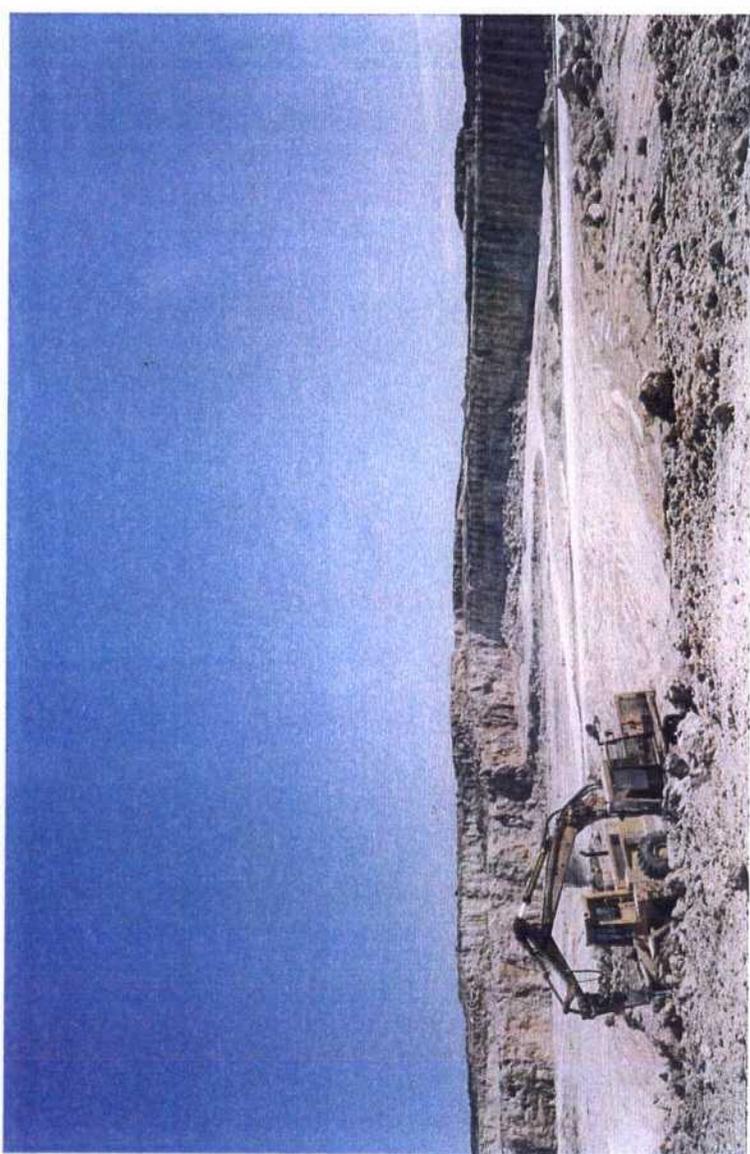
GR.- Bertos



AL- Hornos Ibéricos III



AL- Majadas Viejas

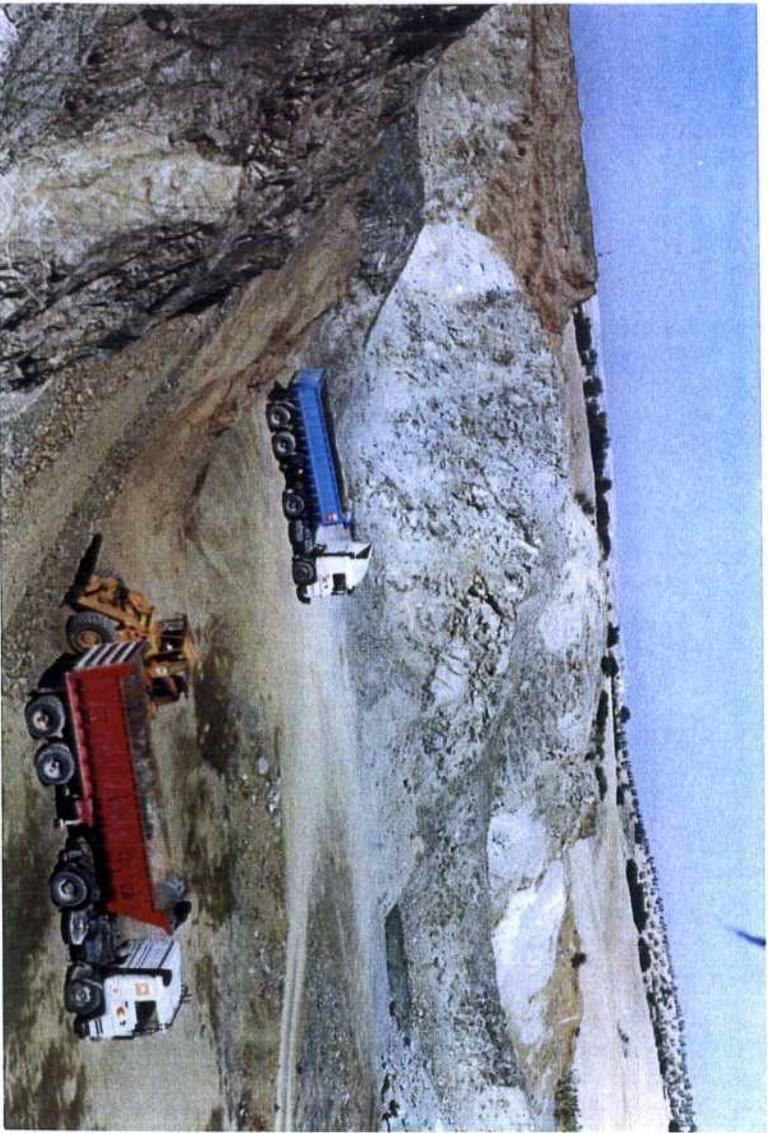


AL- Los Yesares



CA.- Matanzuela II

OFITAS



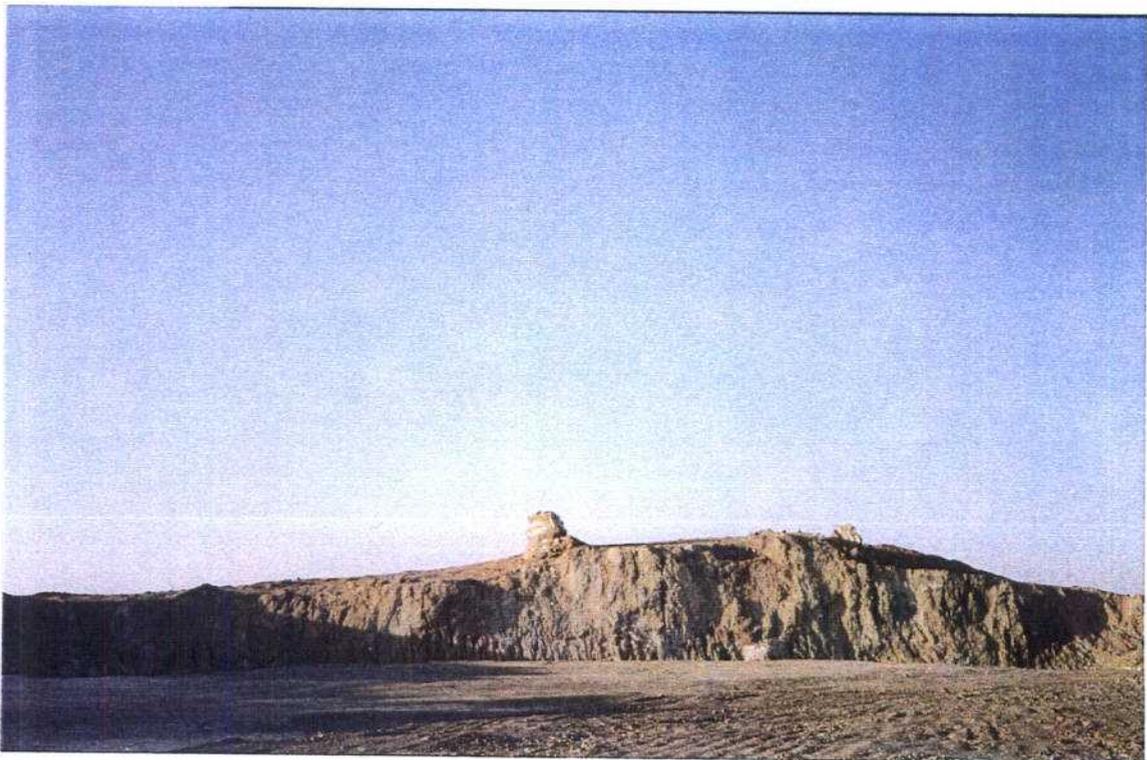
SE.- La Terrona



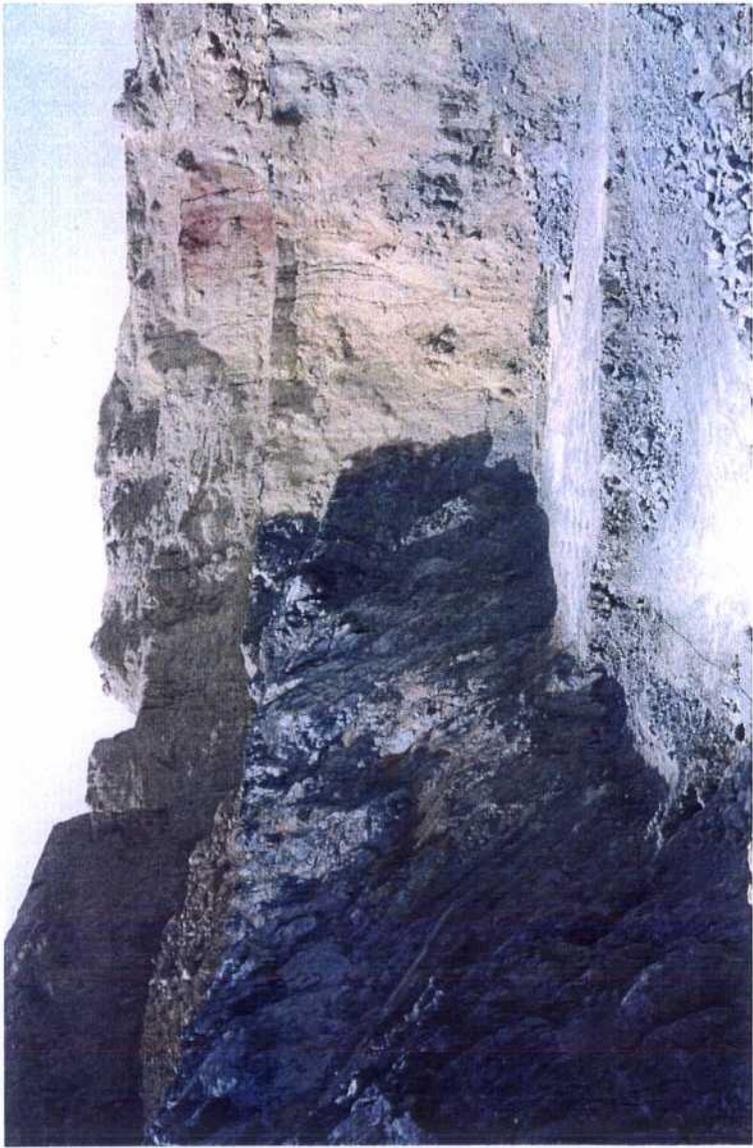
HU.- San Felipe



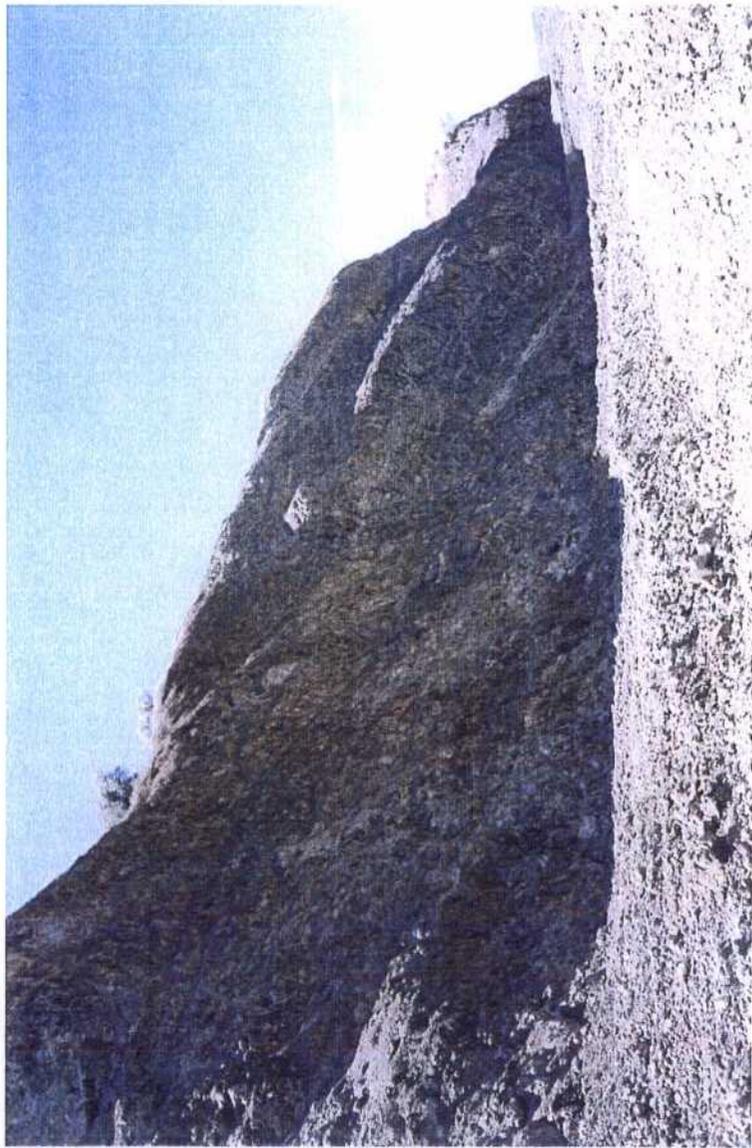
CA- Concepción



MA- Acedo



MA- Tejea



GR.- Andar



GR.- Cogollos Guadix

ARENISCAS



CA- El Picacho y la Dehesa



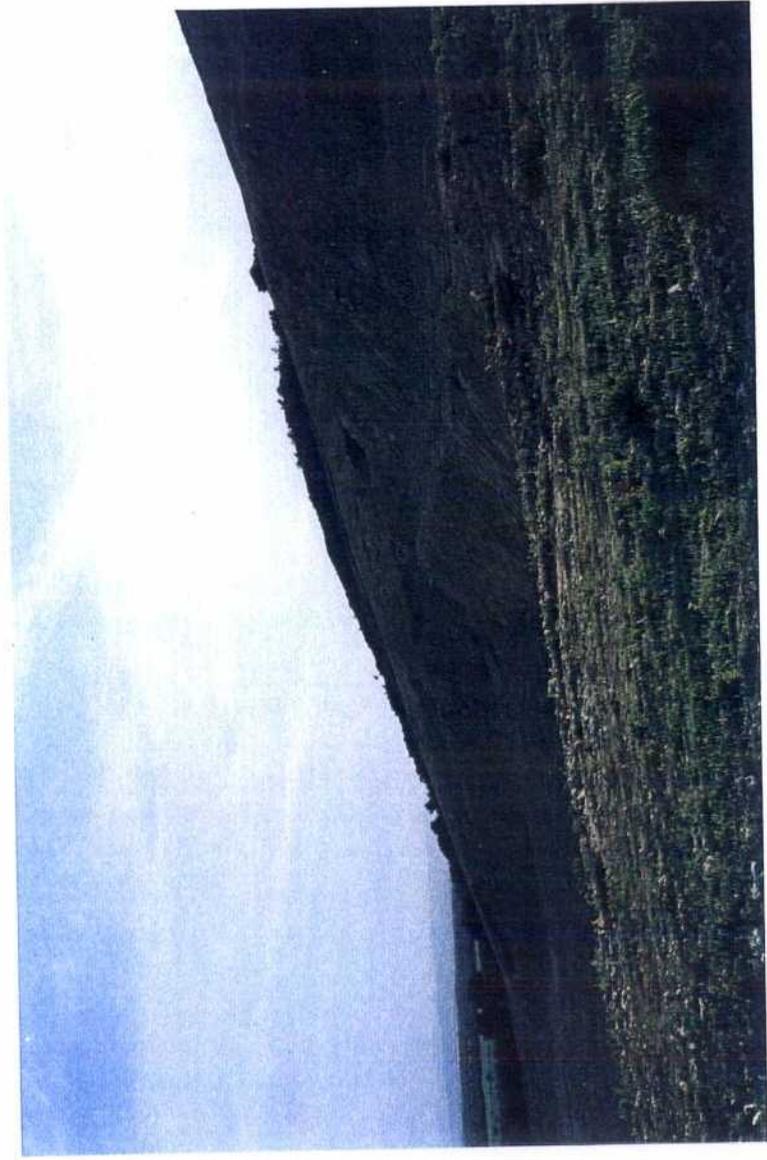
CA- Buenavista



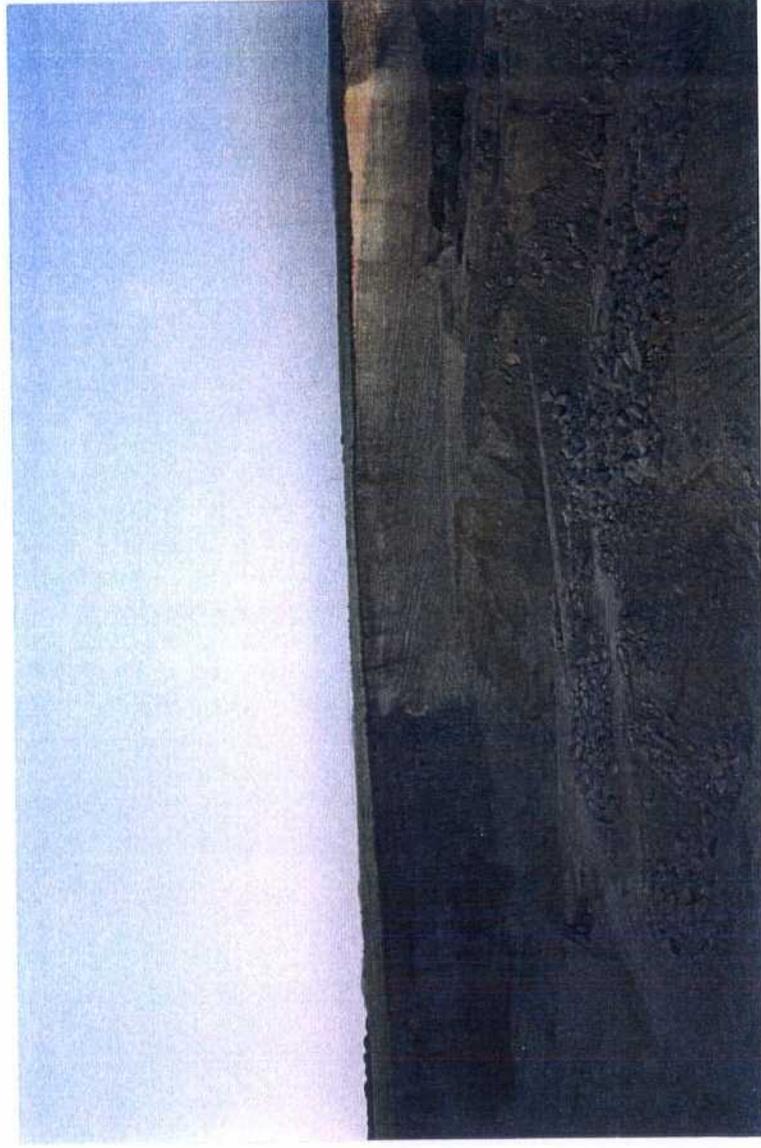
CA.- El Barranco



CA.- La Alegría

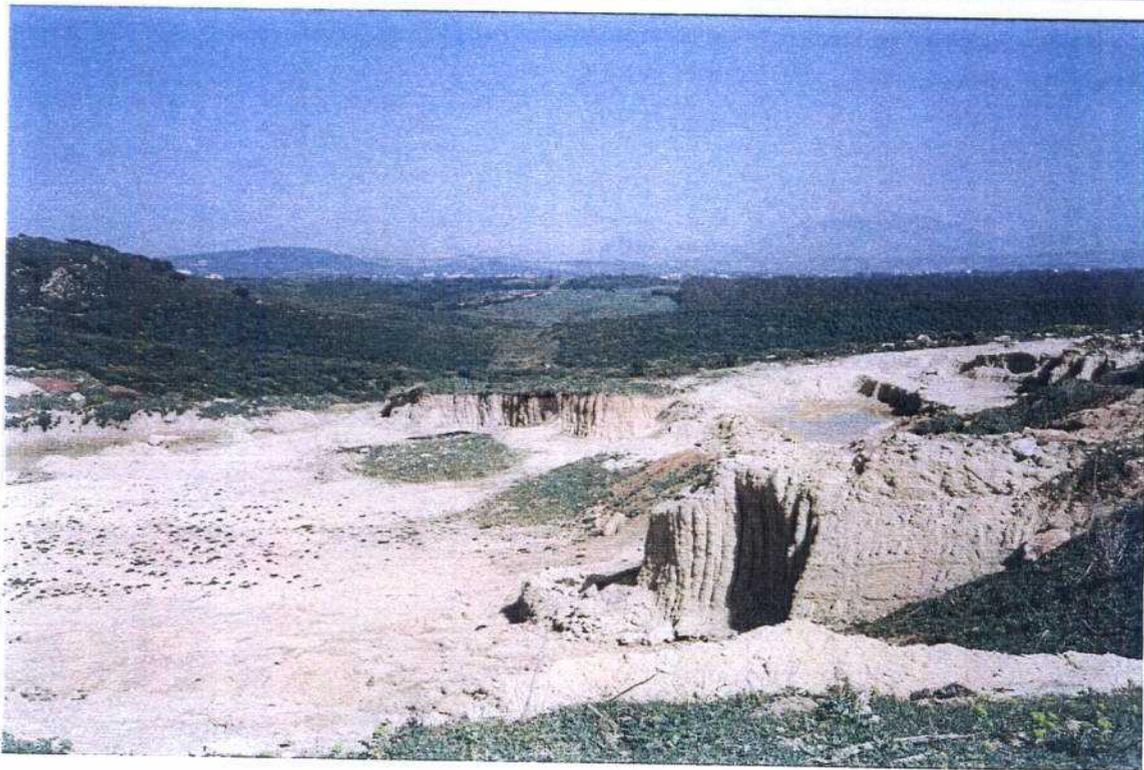
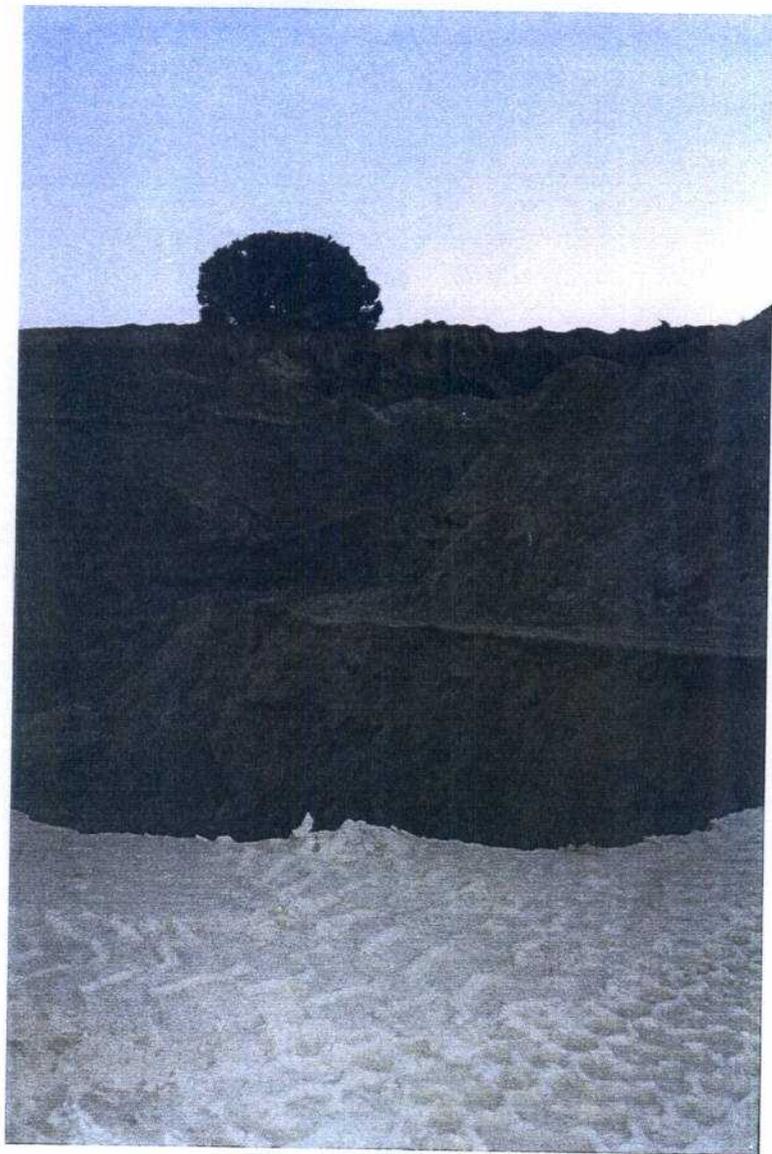


CA- Gapiro



CA- Monteenmedio

CA- La Herradura II



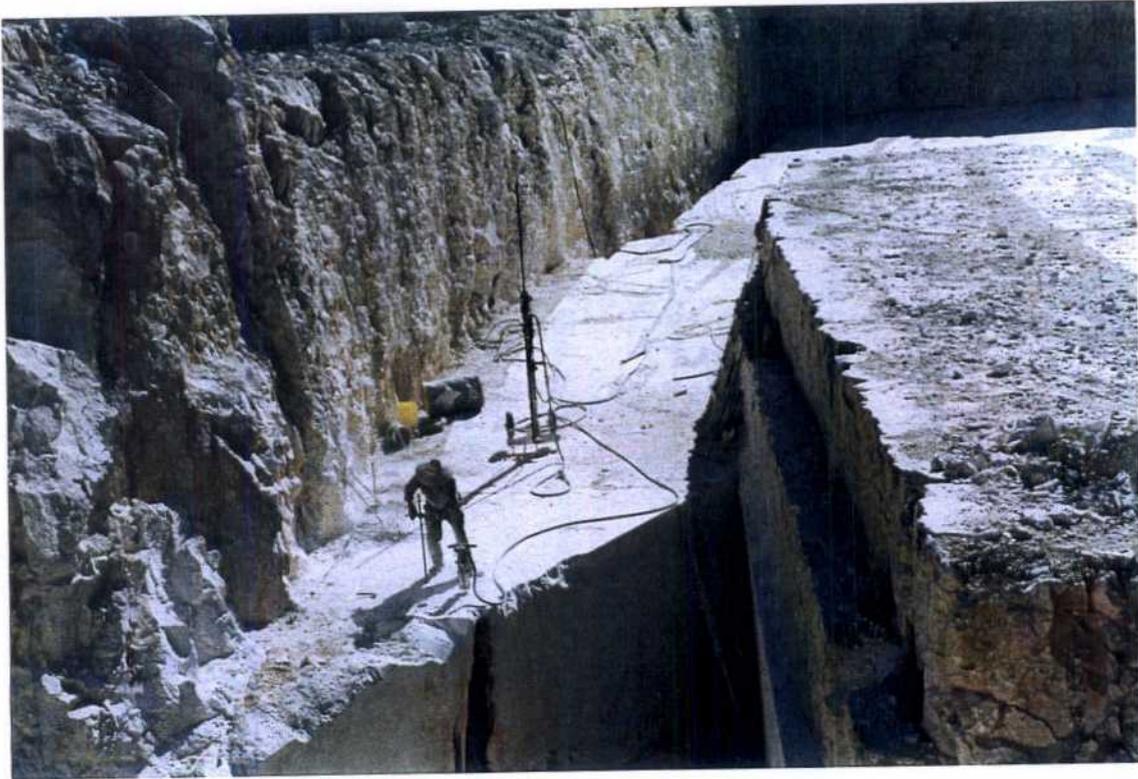
CA- La Alcaidesa

**ROCAS
ORNAMENTALES**

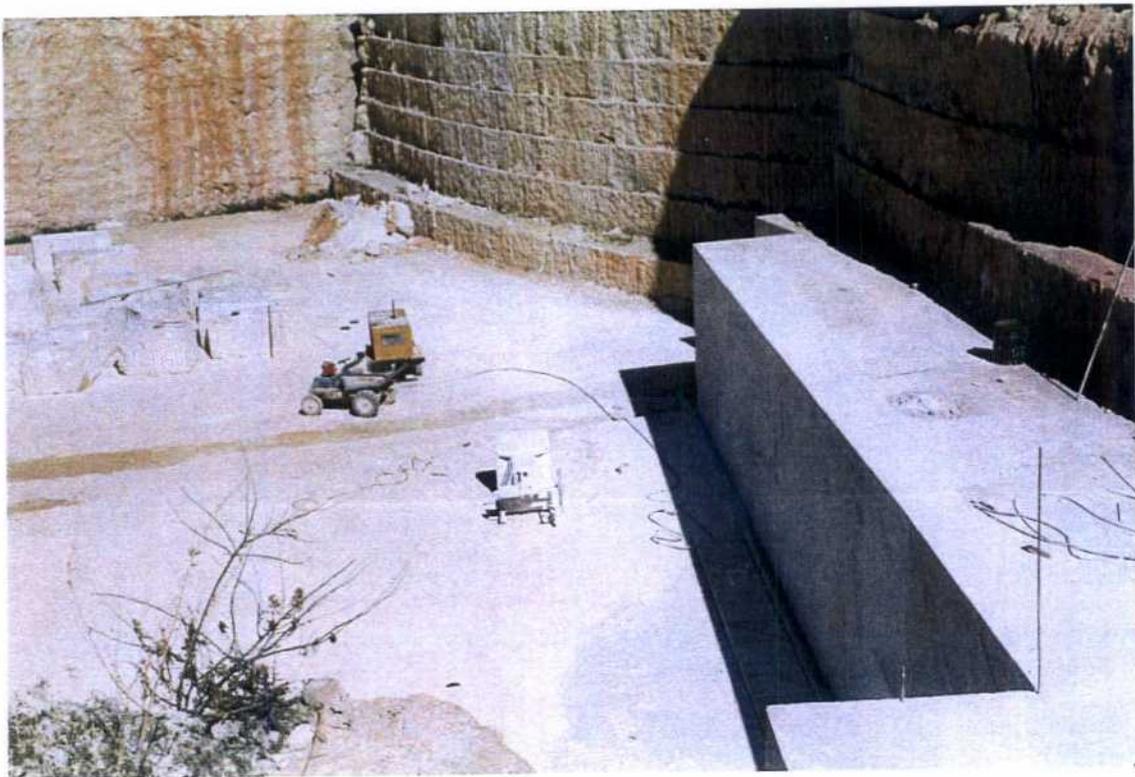
CALIZA MARMOREA

Y

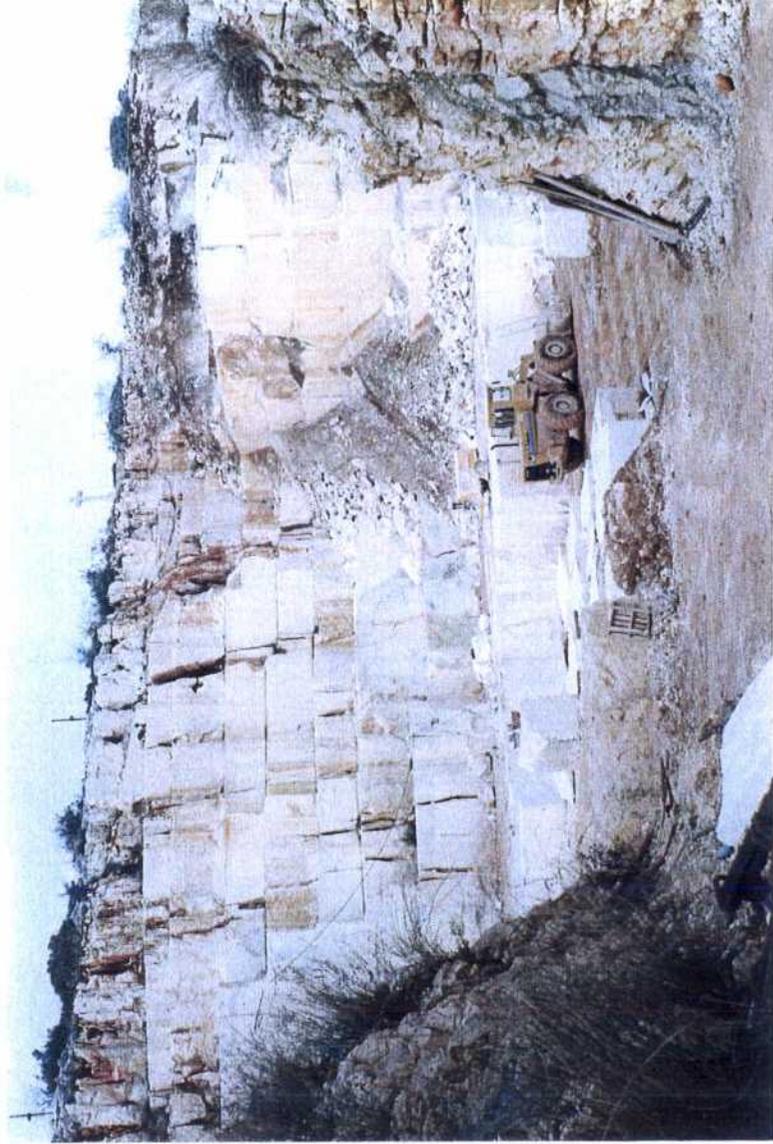
MÁRMOL



SE.- El Jardinito



SE.- Juncarejo



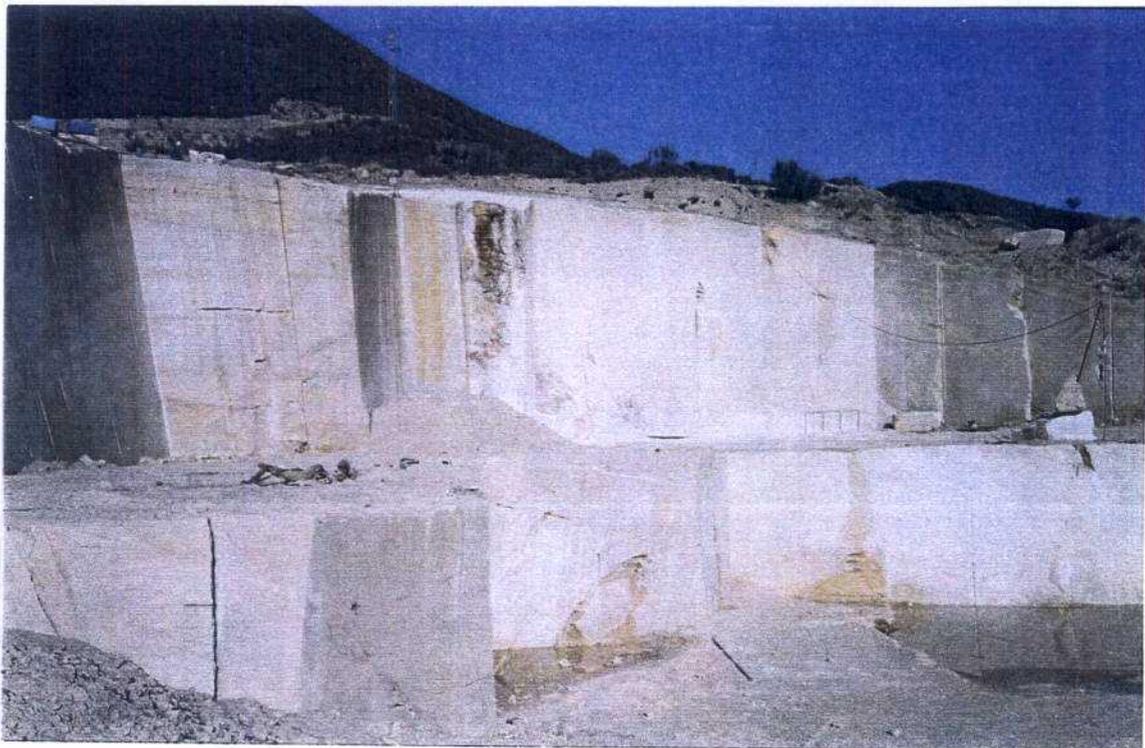
CO.- El Palancar



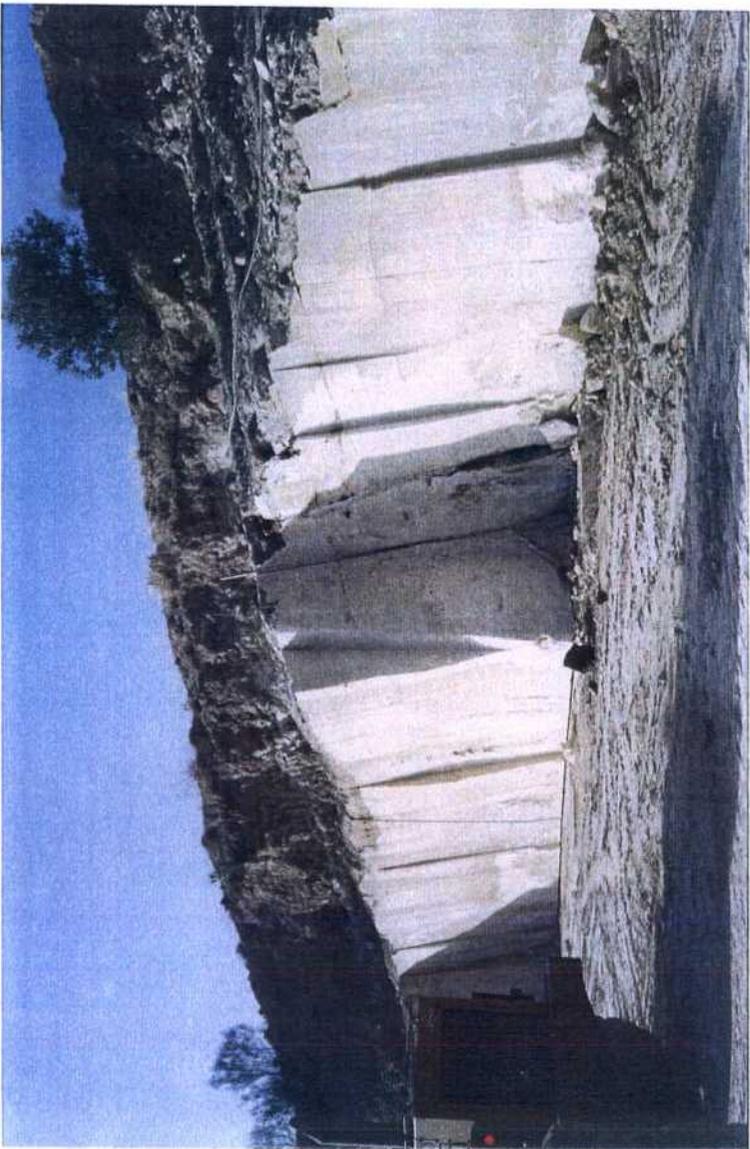
HU.- La Herradura



AL- El Beneficio



AL- Los Coloraos



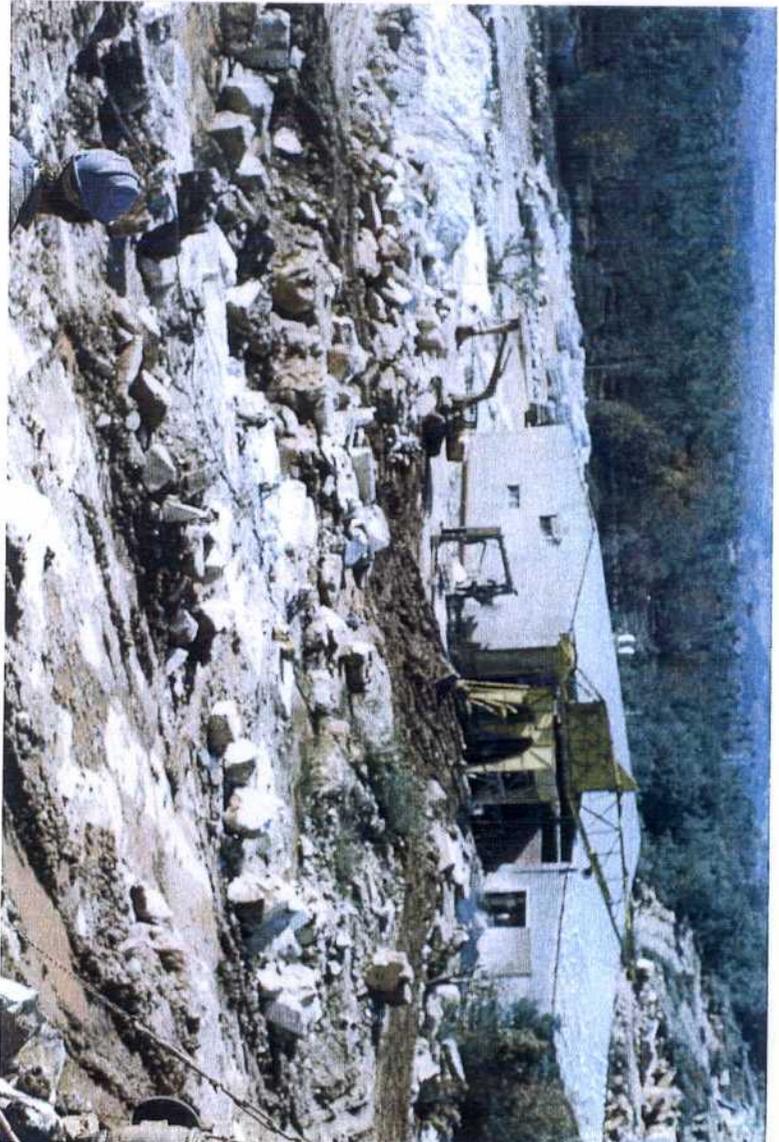
AL - El Veinte



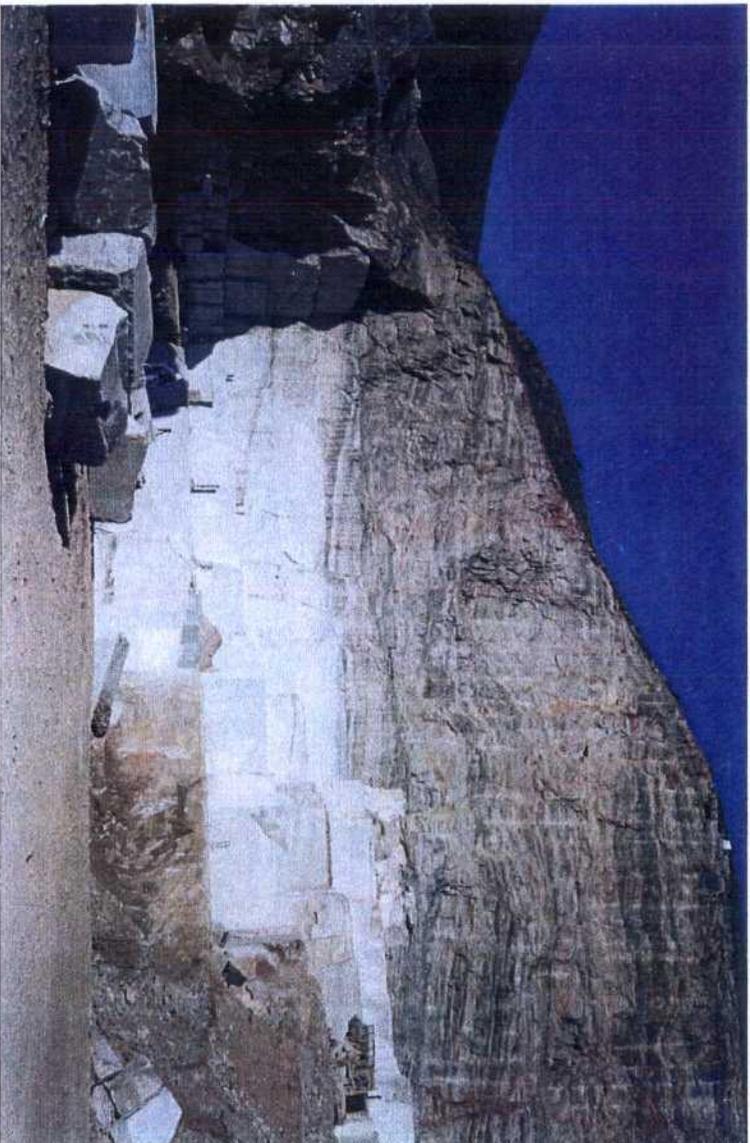
AL - Teresa



HU - Alto Carmen



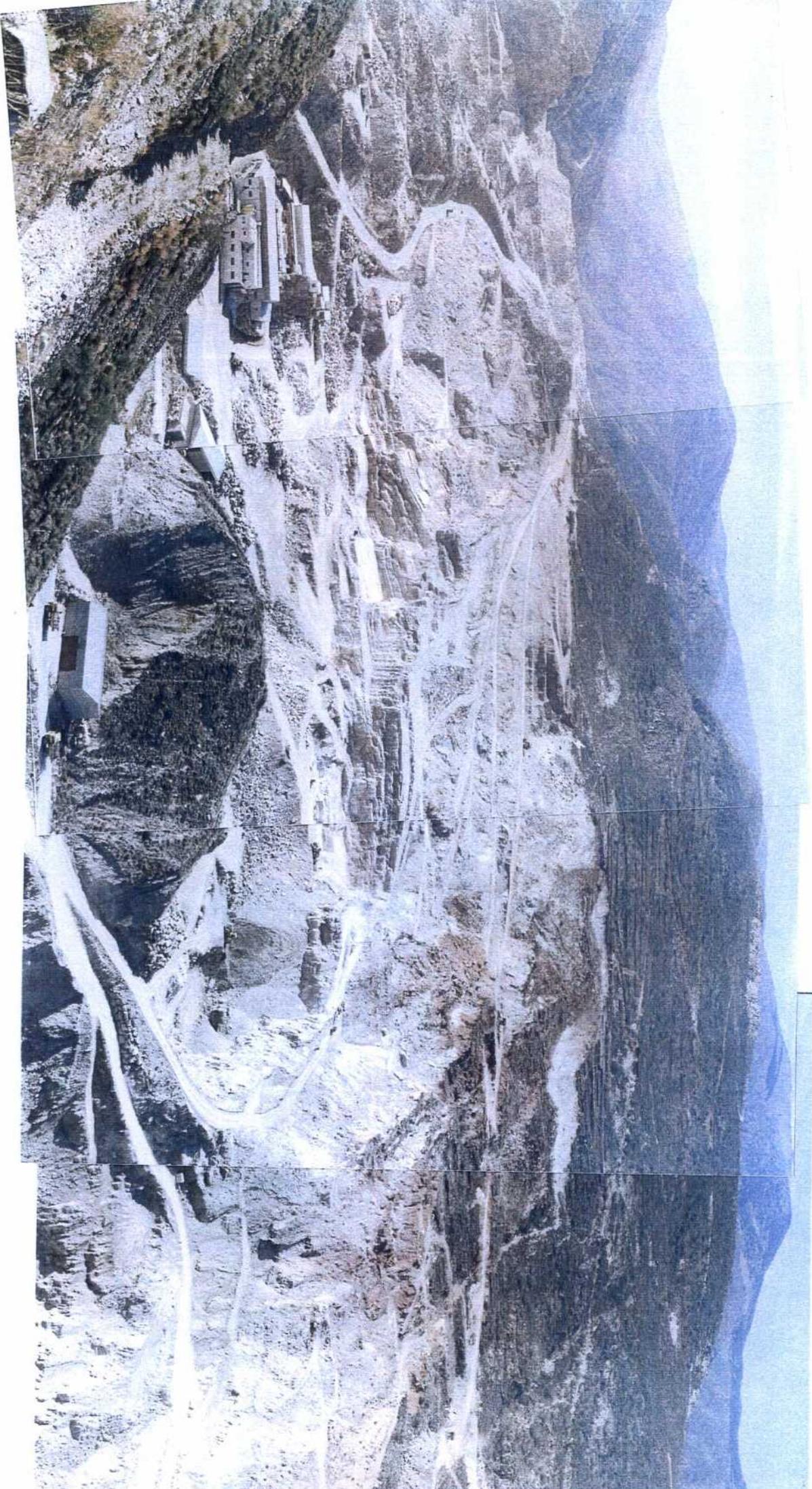
HU - Cerro Blanco



AL- El Tranco



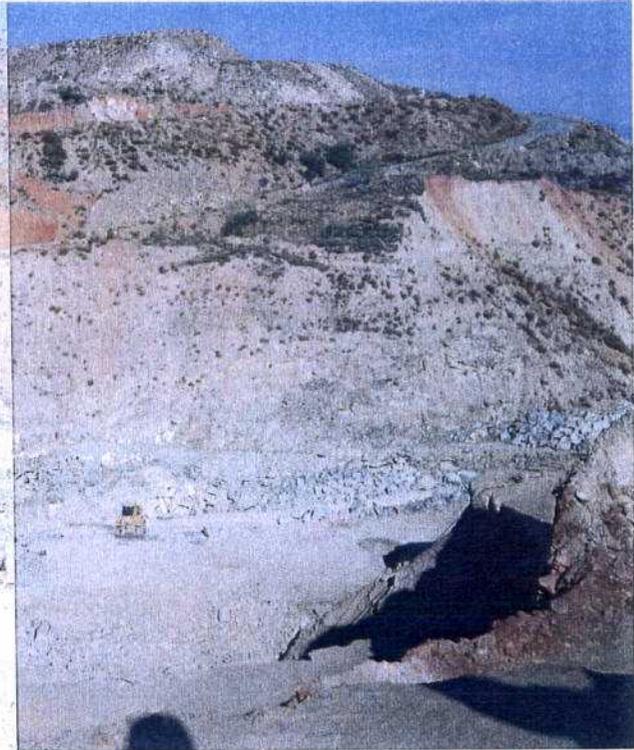
AL- Isabel



AL.-MACAEL_Panorámica ZONA DE RIO



Zona de explotación de mármol

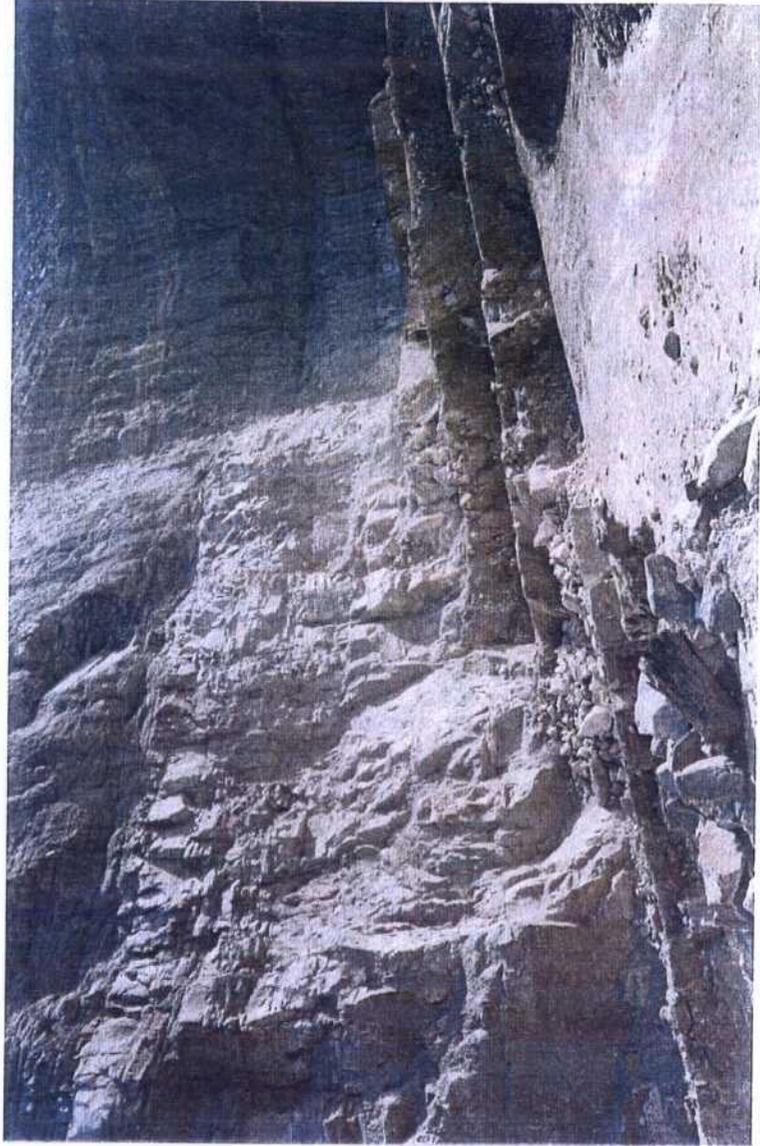


Zona de explotación de serpentina

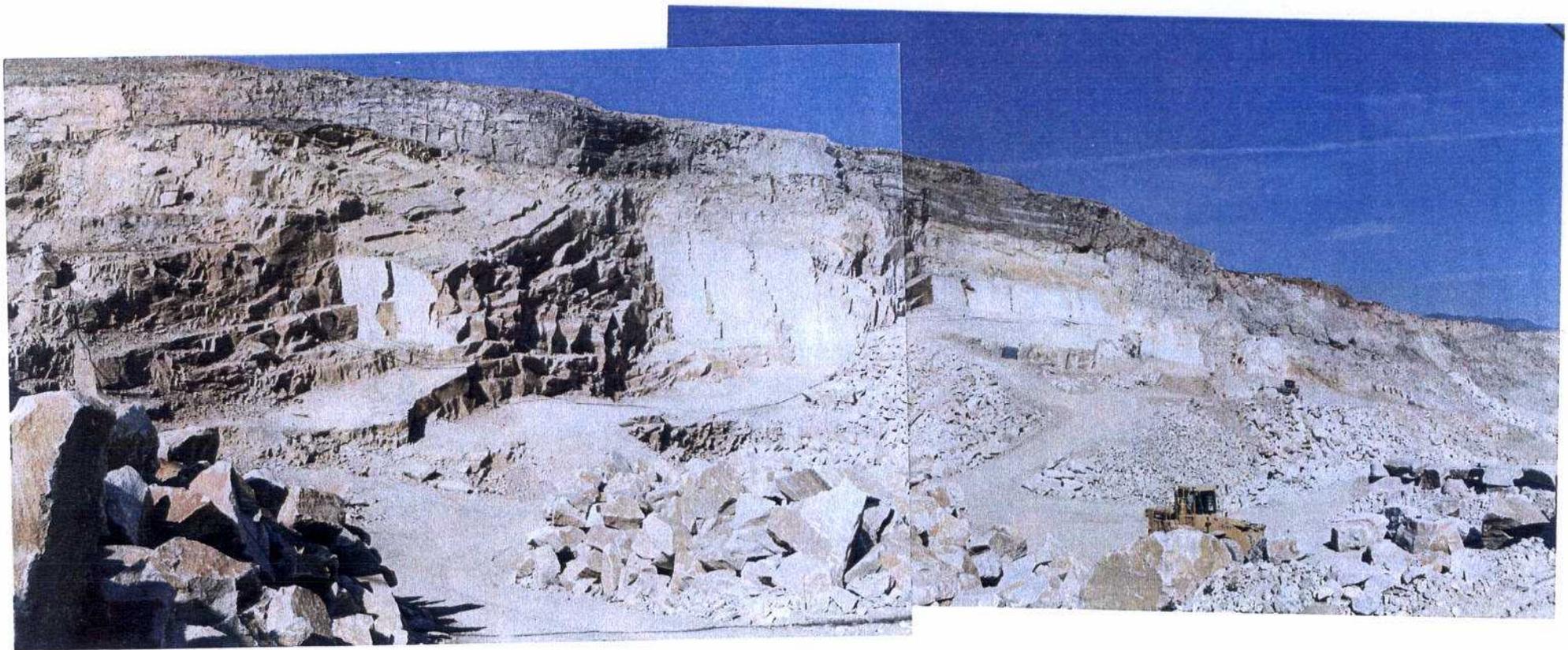
AL- Virgen del Rosario



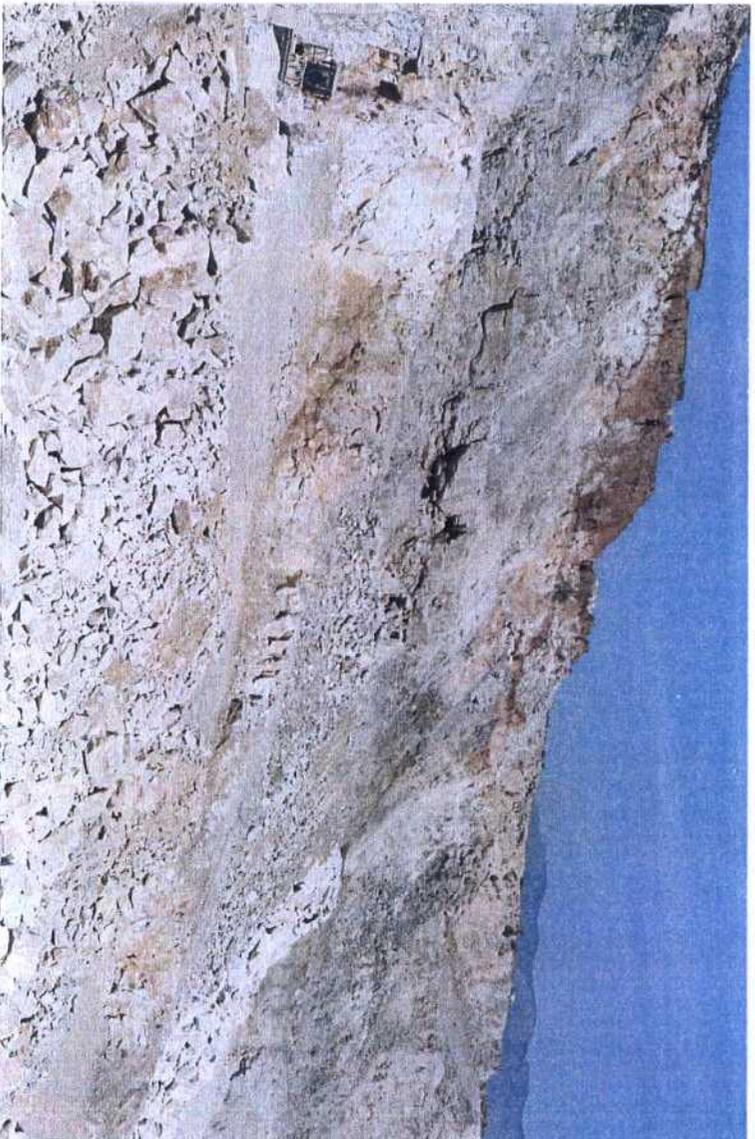
AL- Río II



AL- Río A y B



AL .- Zona Río III



AL - Mármolles Filabres



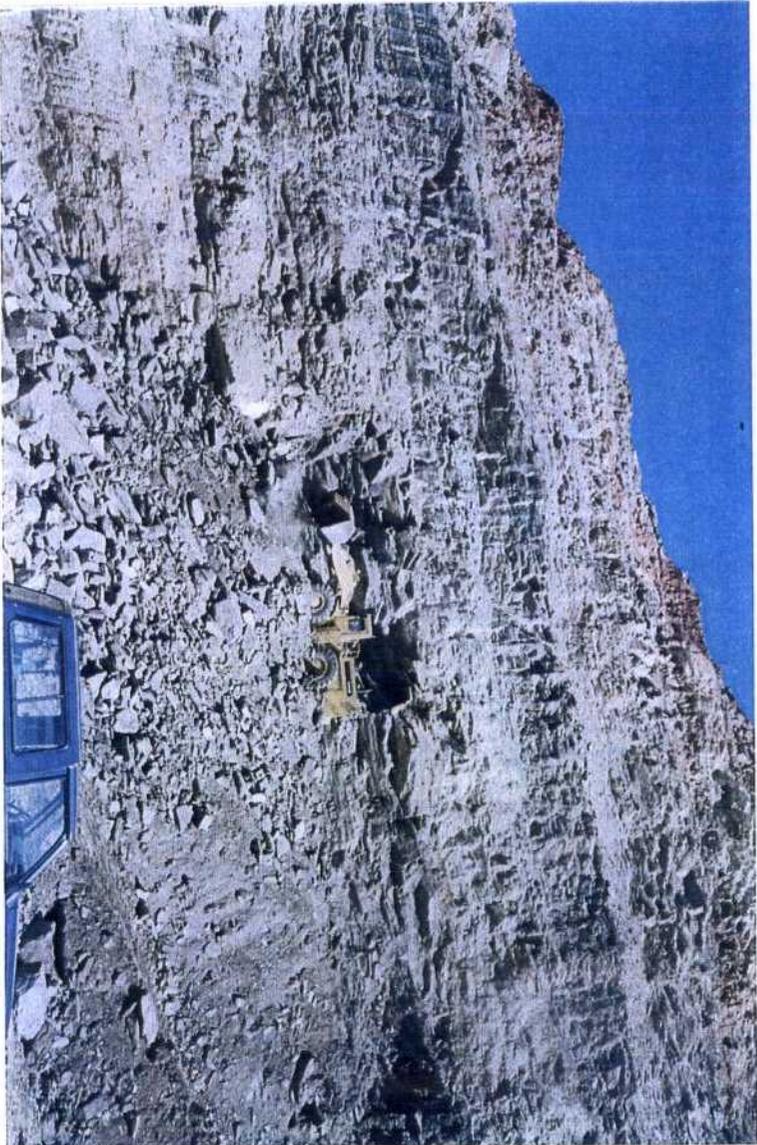
AL - Rio III (Mármolles Tapia)



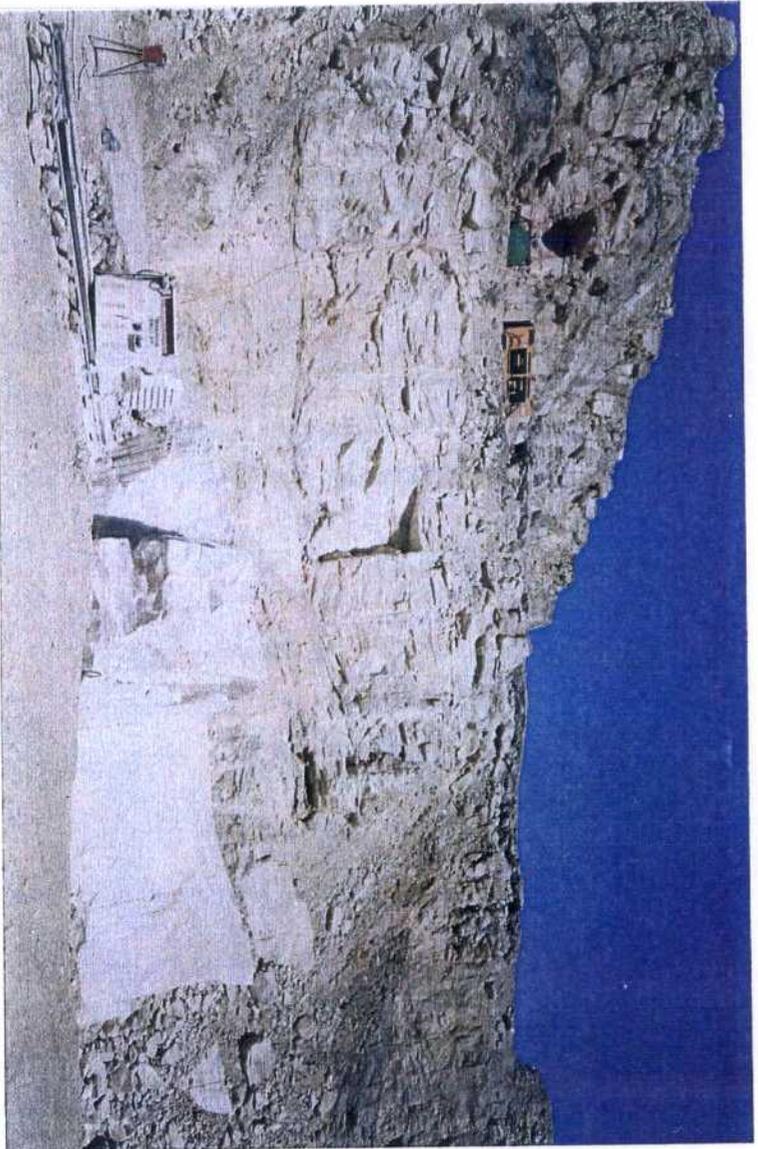
AL. - Faldaras de la Umbría



AL - Australia 54



AL - La Australia



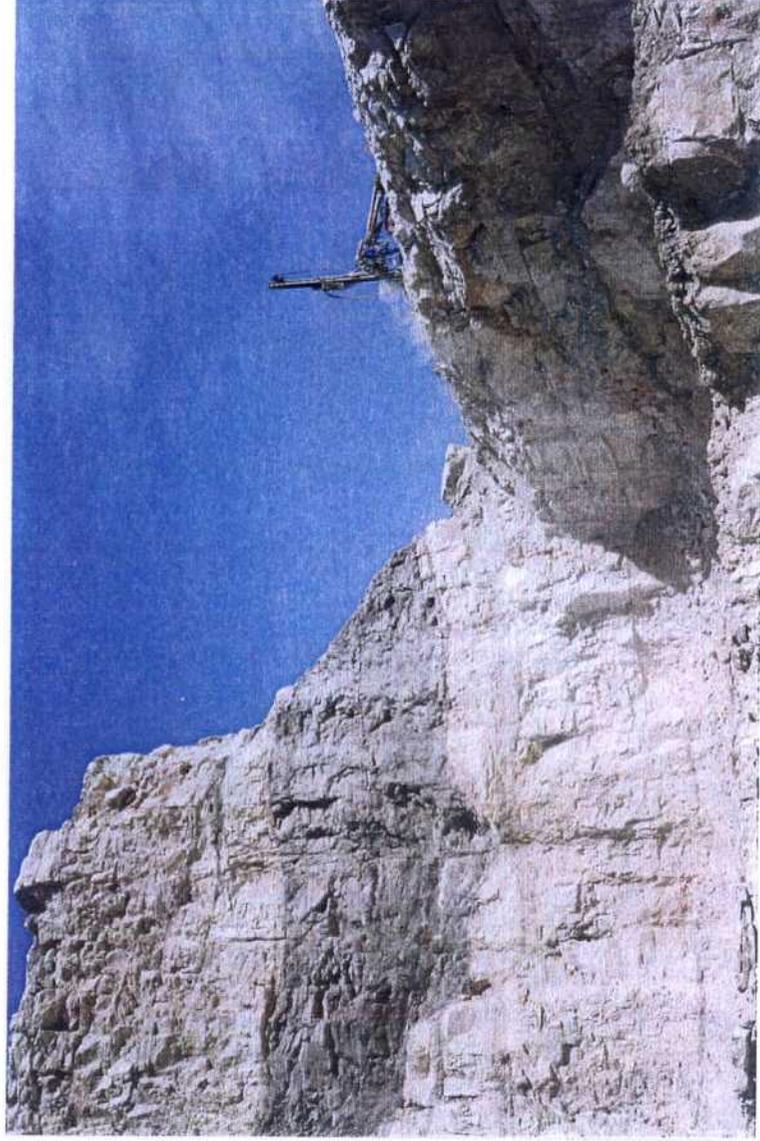
AL - Jucasol (Zona Polonia)



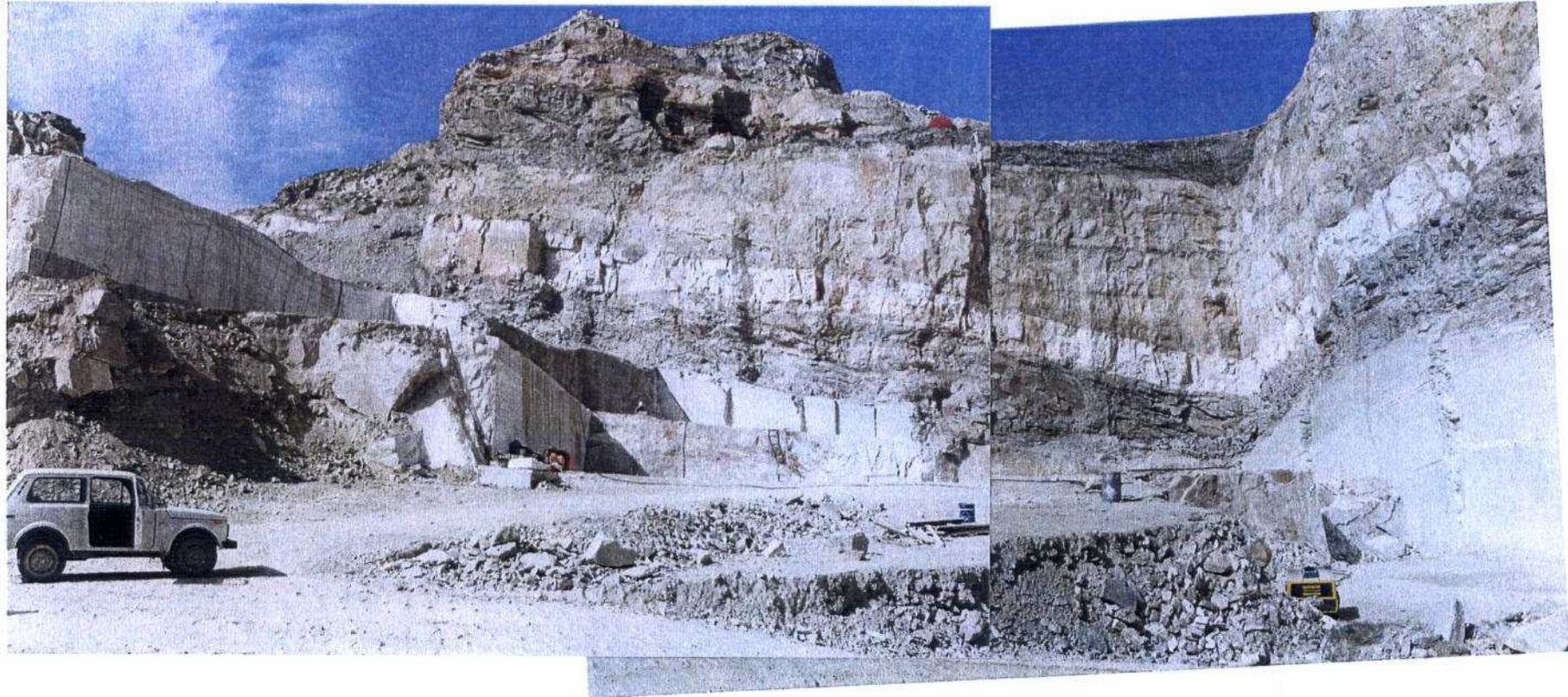
AL.- Zona Polonia



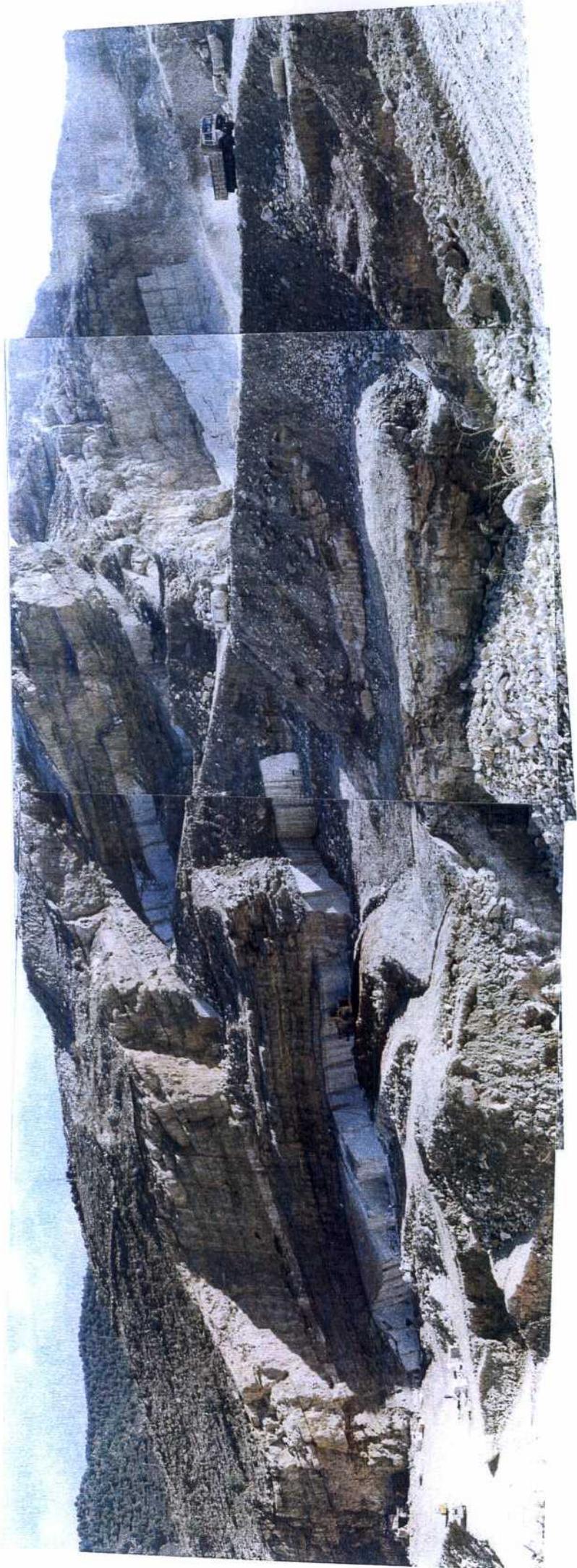
AL .- Barranco Puntillas 97



AL .- Barranco Puntillas 40



AL .- Cantera Alta



AL.- Zona Barranco Arispe



AL.- Barranco Arispe 315



AL.- Barranco
Arispe 109



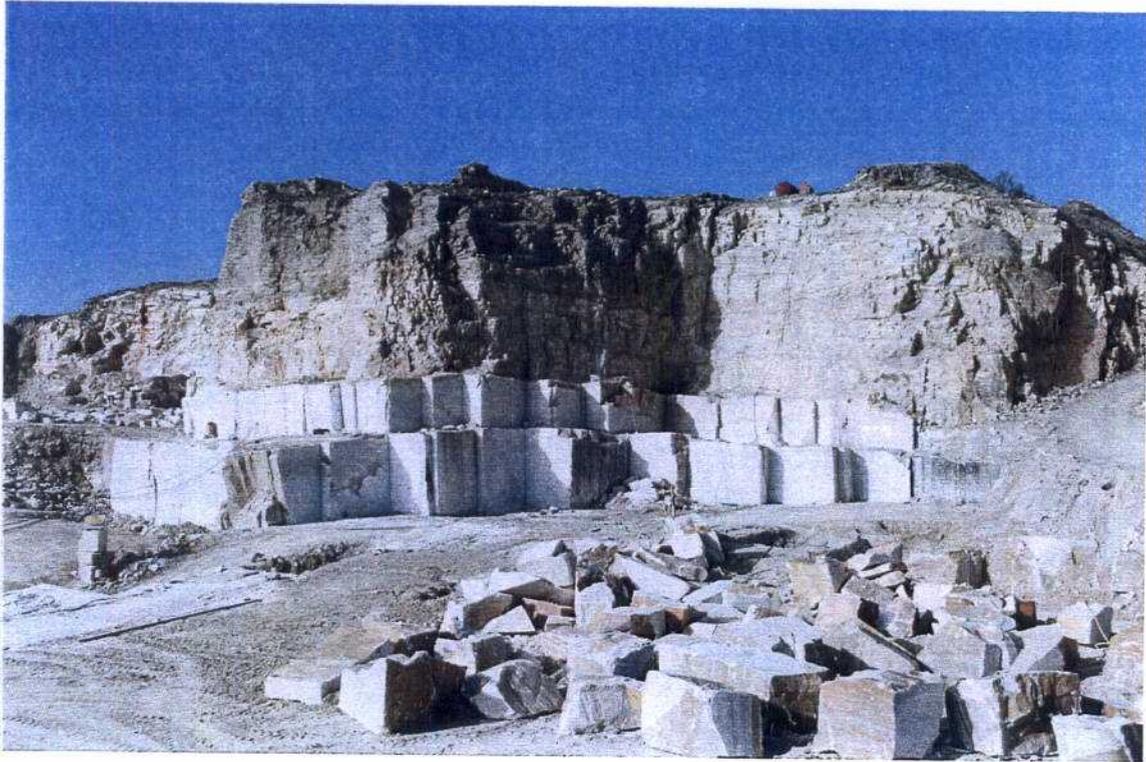
AL.- Cortijo Canal



AL- Barranco Puntillas 96



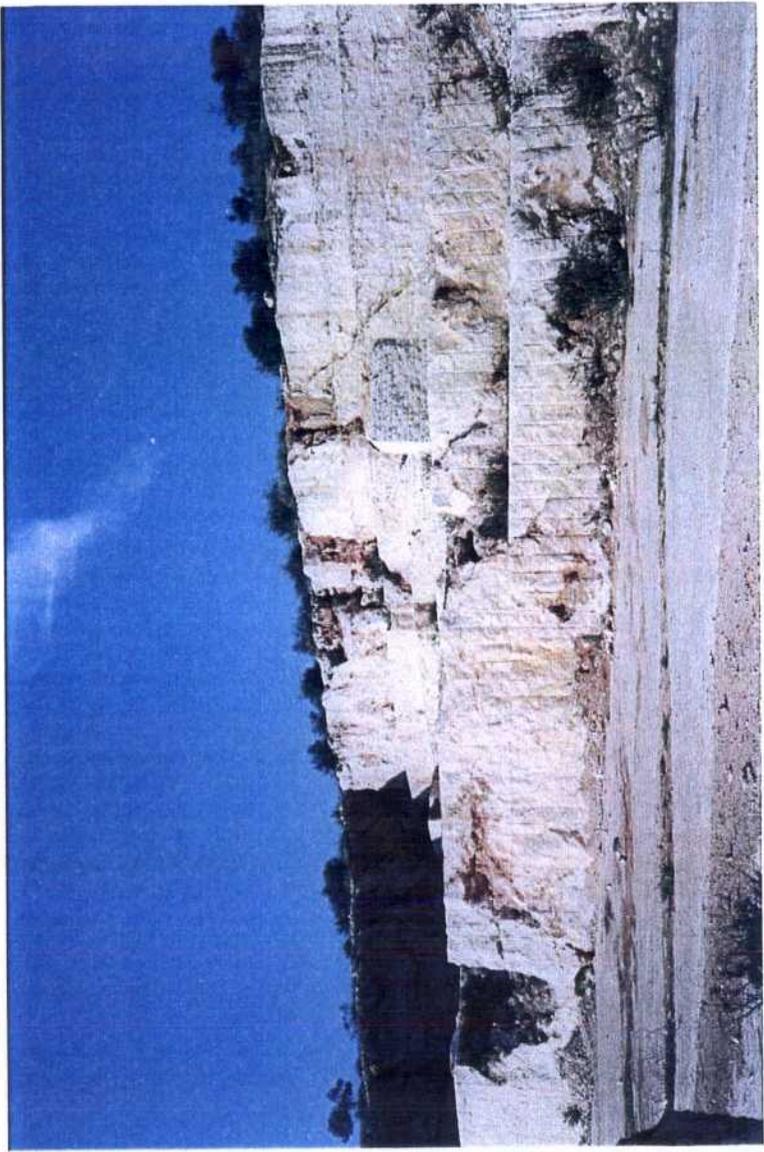
AL- Gran Parada 186



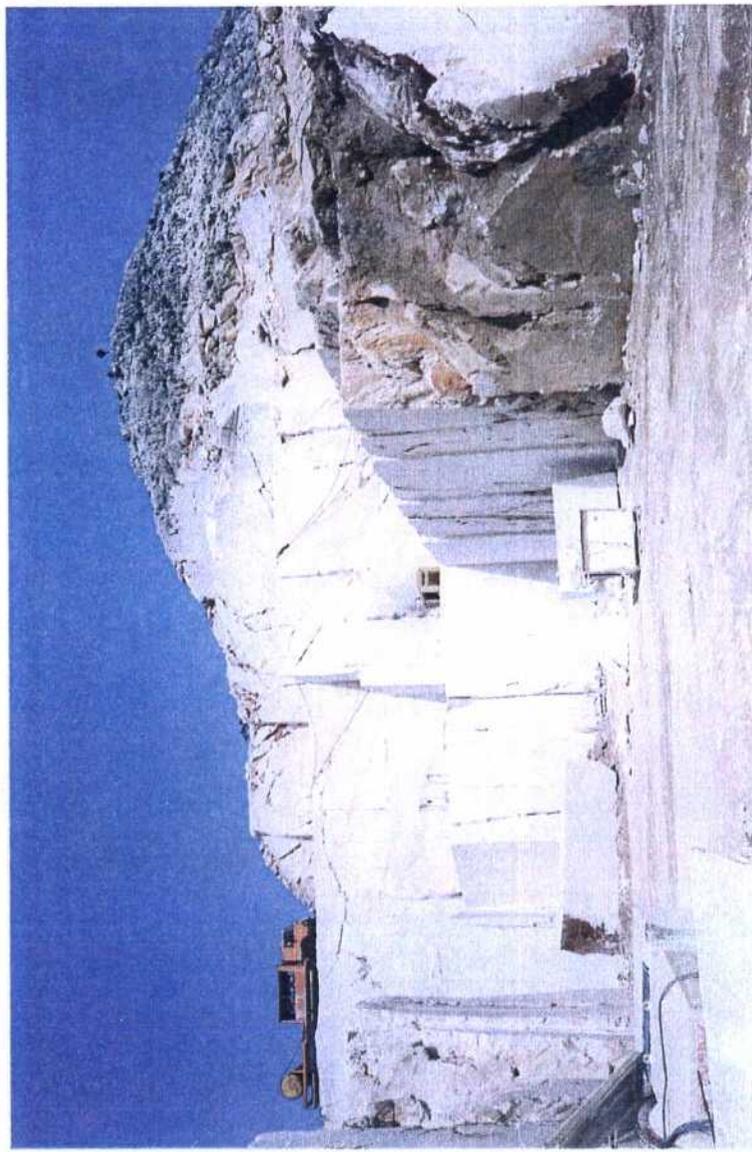
AL- Barranco Puntillas 169



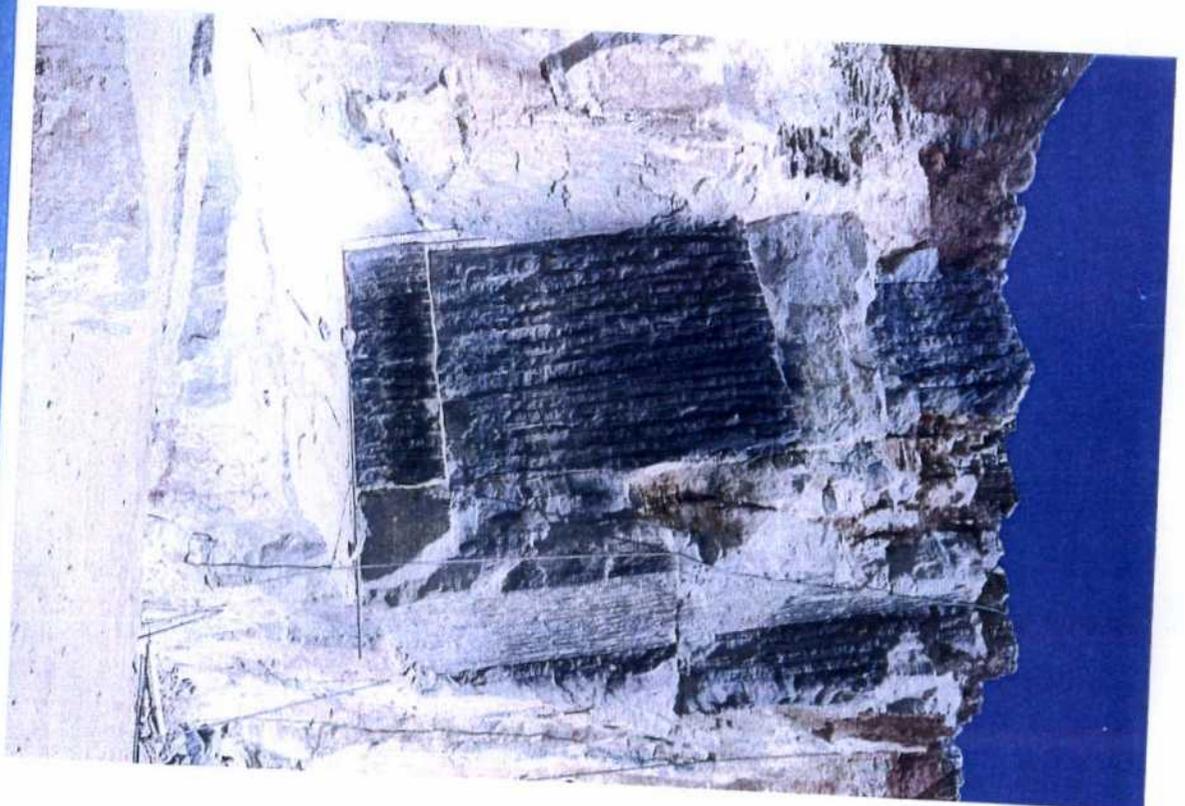
AL- Barranco Puntillas 277



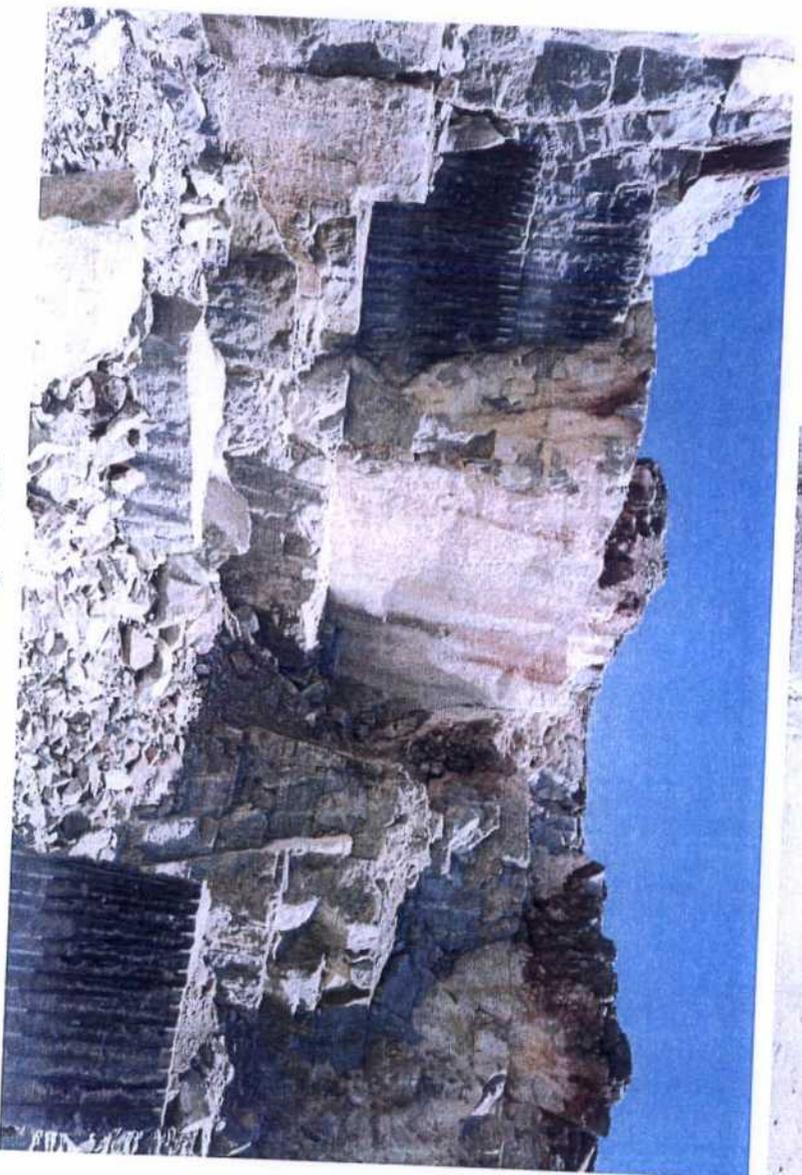
MA .- Corrales de los Moros



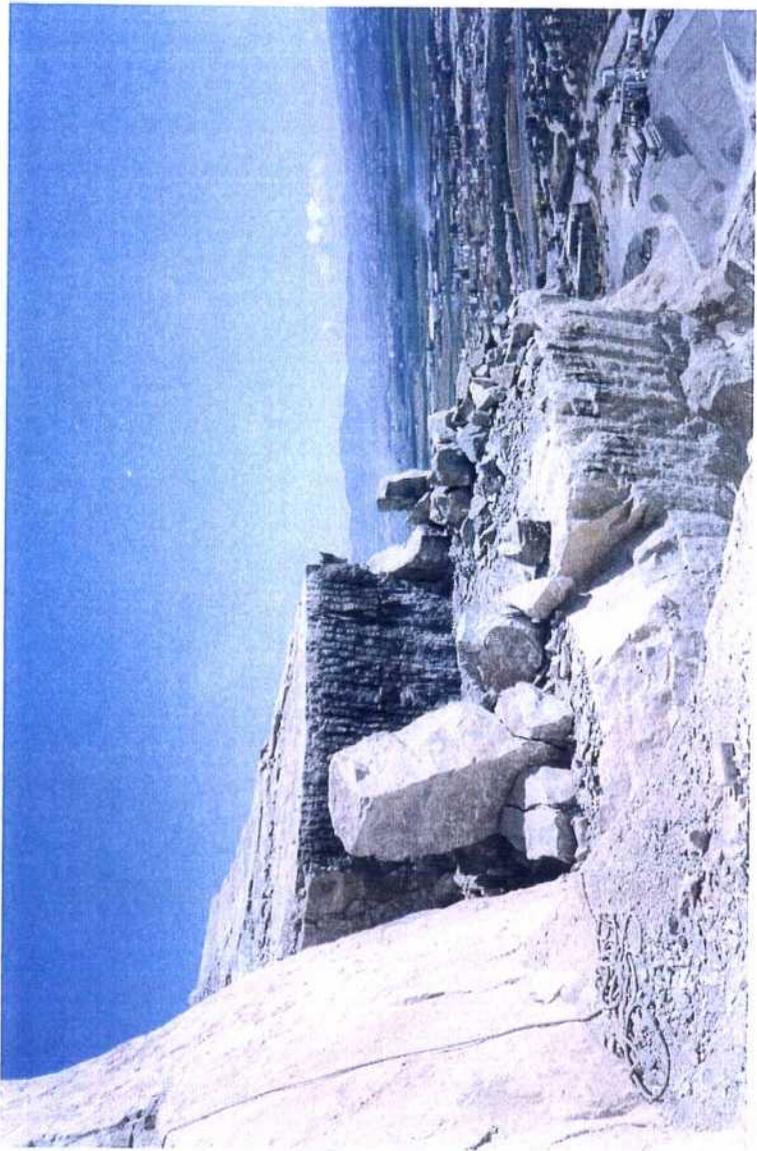
MA .- Villalta



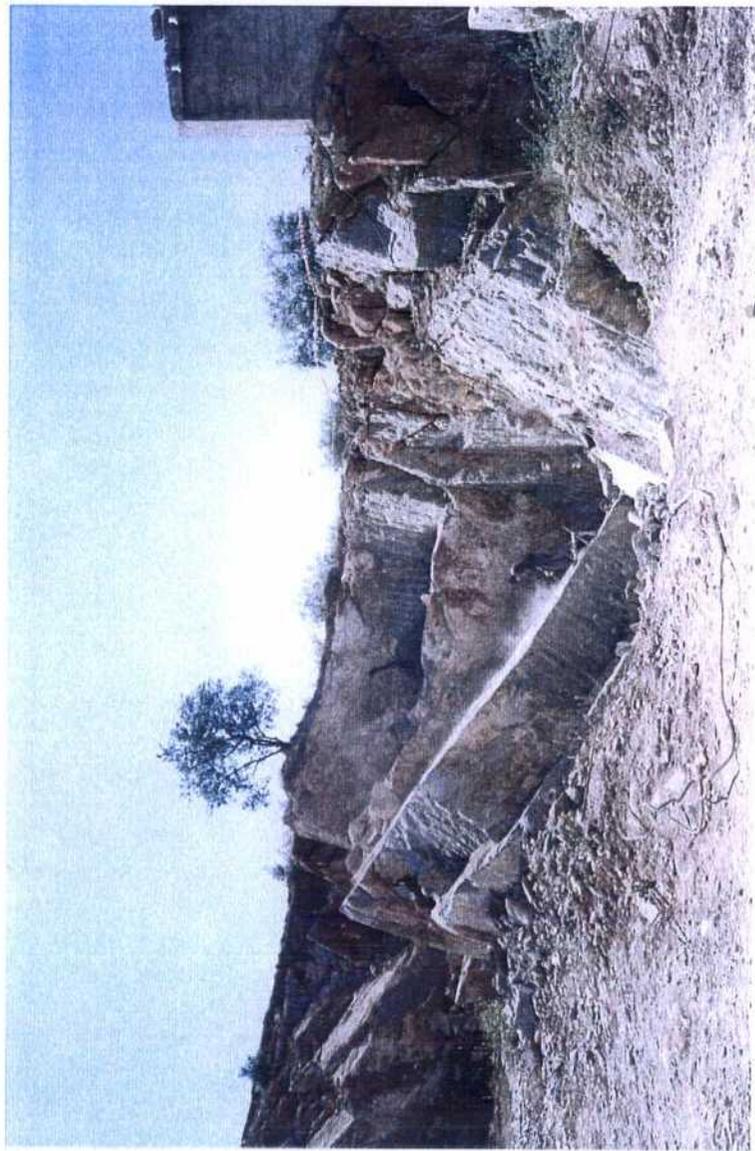
GR.- Los Órganos



GR.- Los Órganos II



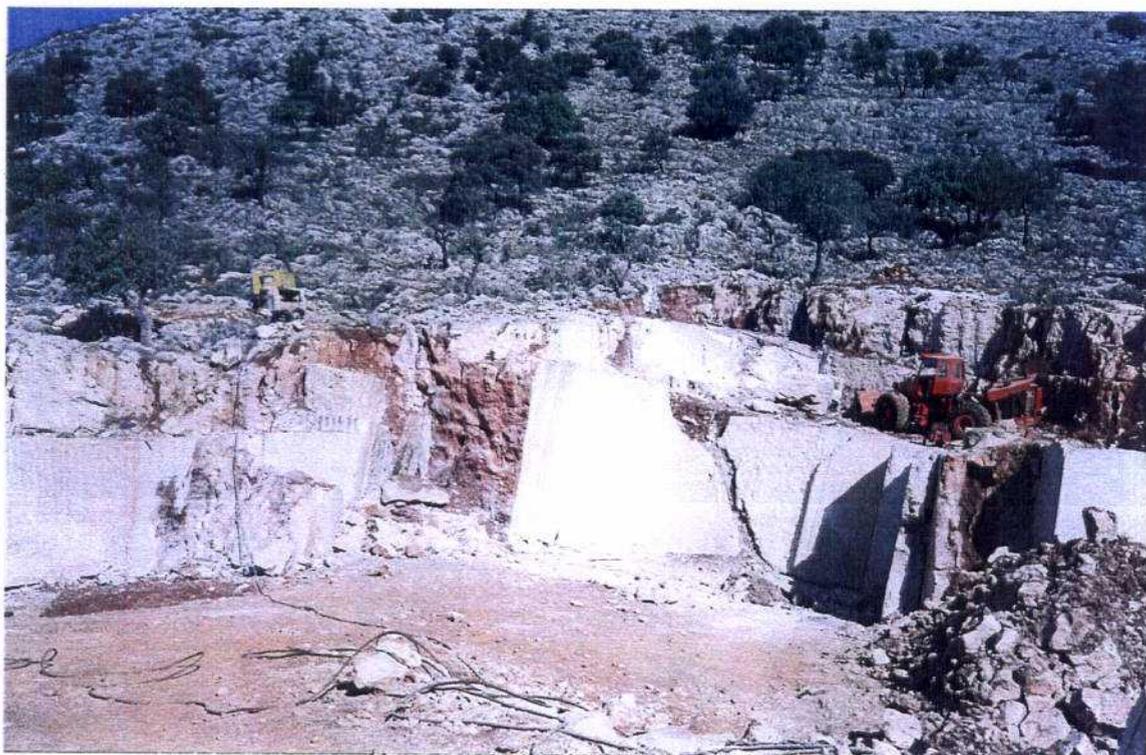
GR.- Los Órganos III



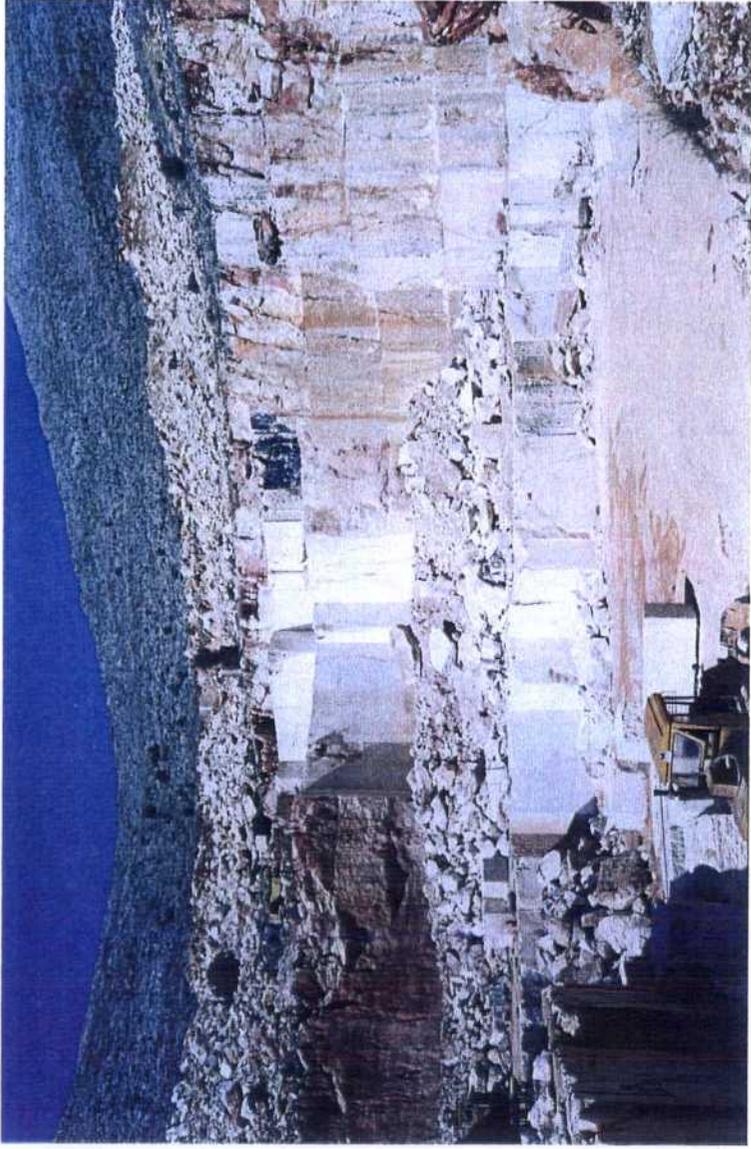
GR.- El Barranco



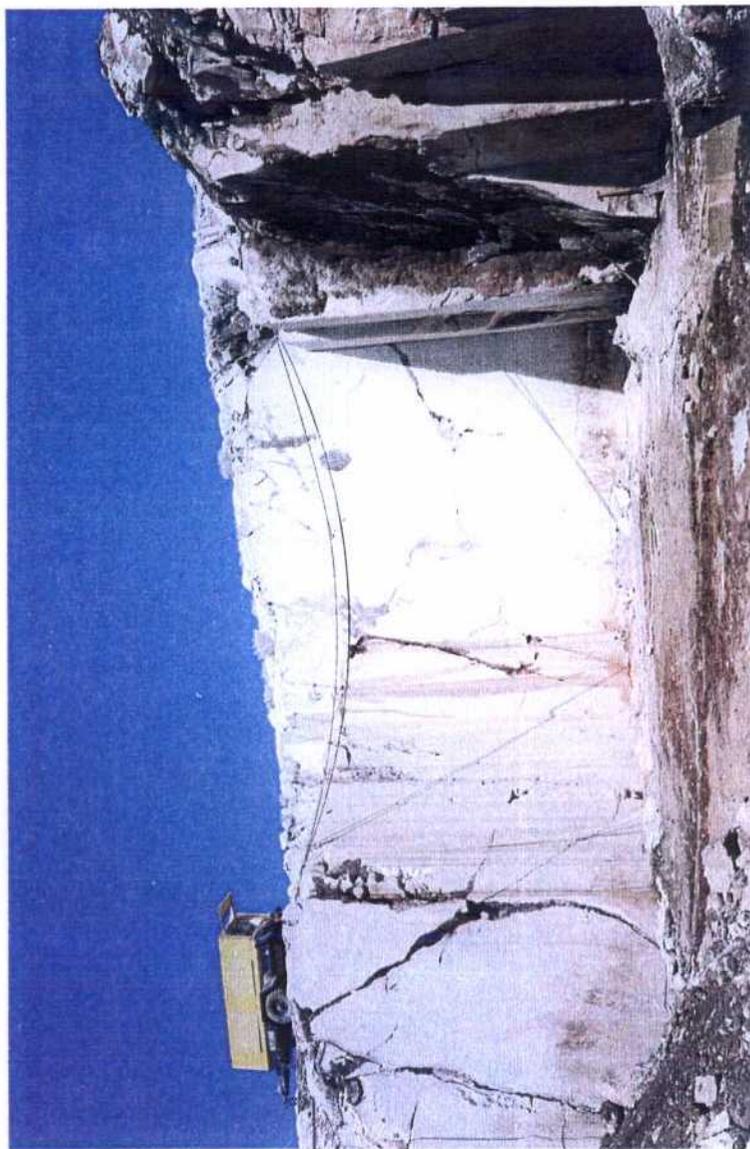
GR.- La Umbría y Tajo Colorado



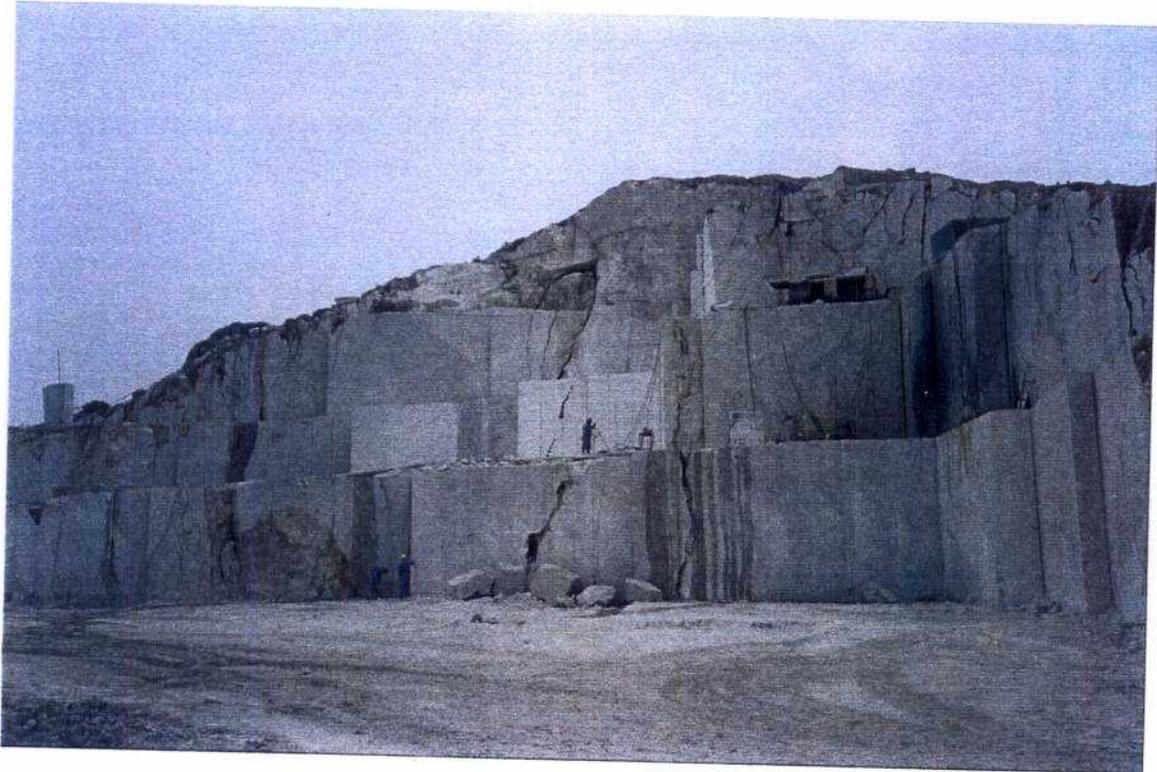
GR.- La Aduana



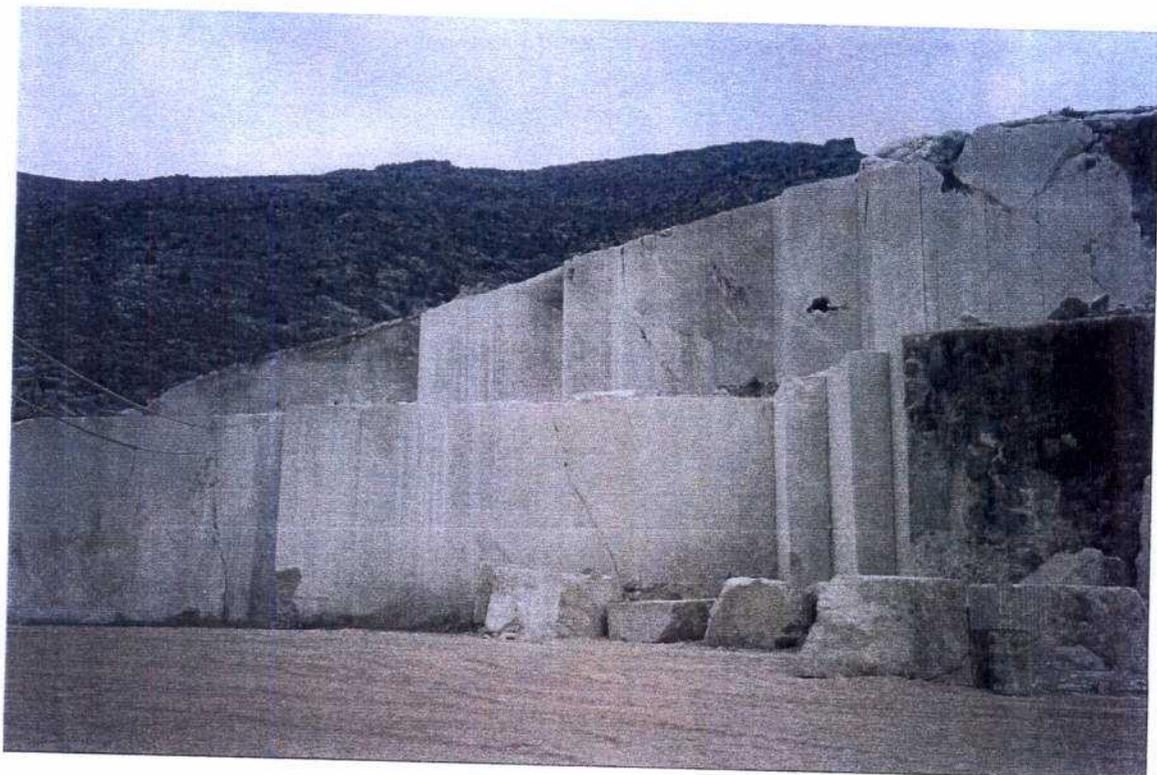
GR.- La Galerilla



GR.- Las Alezñas



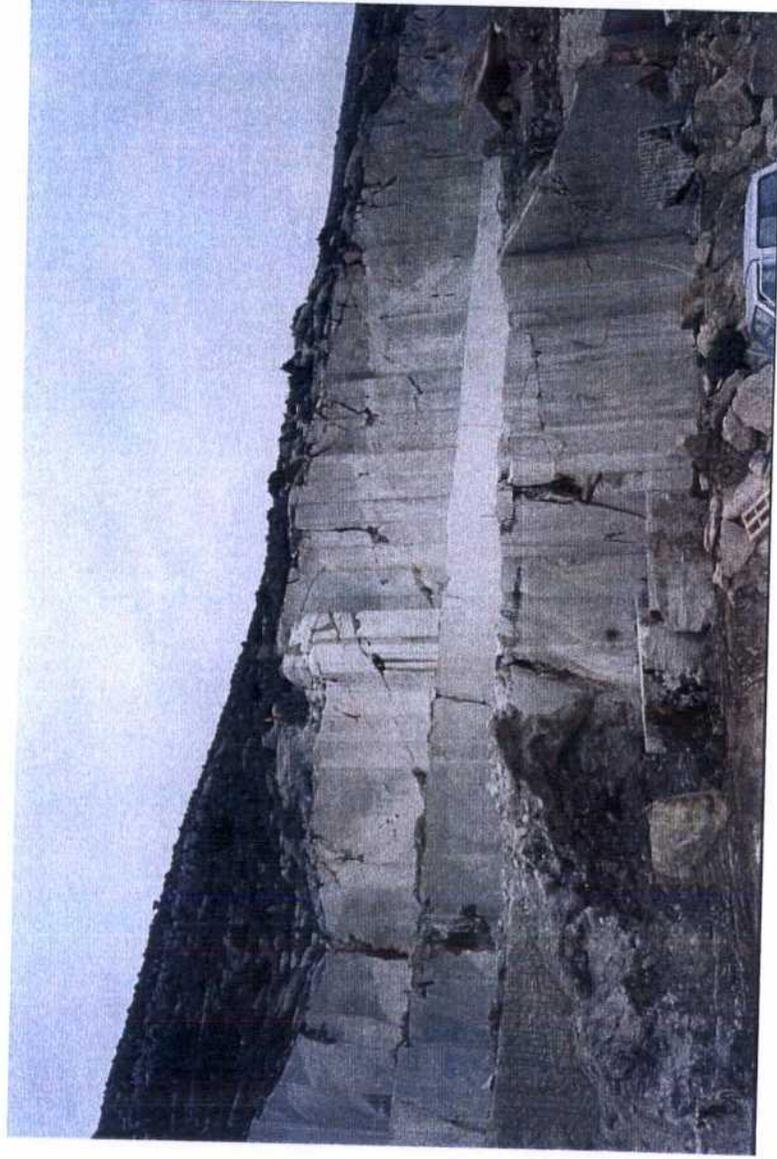
GR.- Venta Quemada II



GR.- Carmenchu

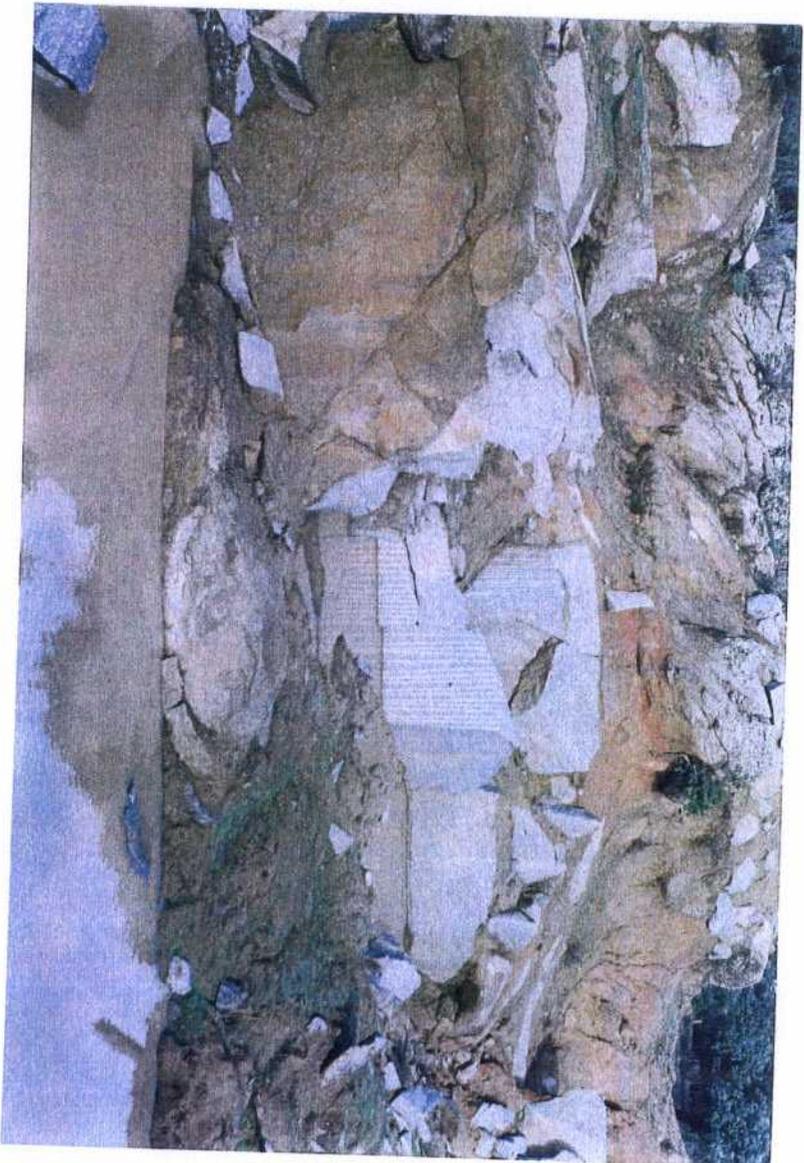


GR.- Mármoles Castril

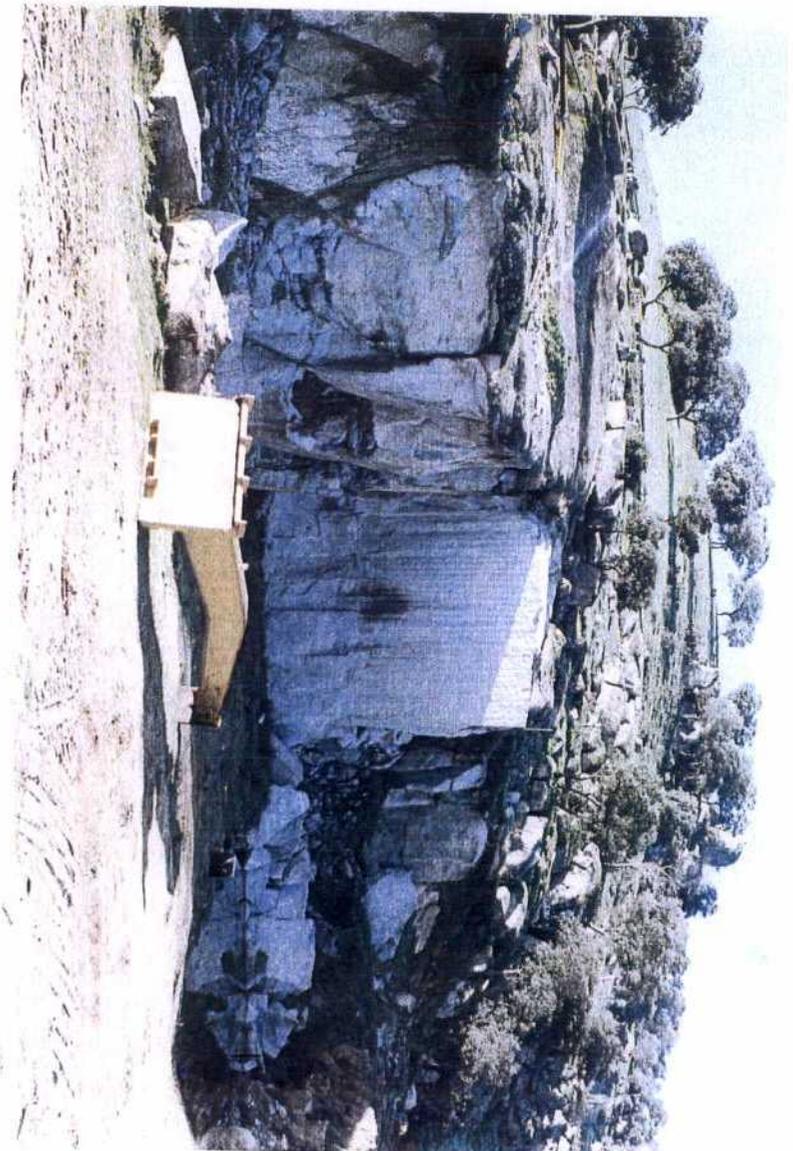


GR.- Ámbar

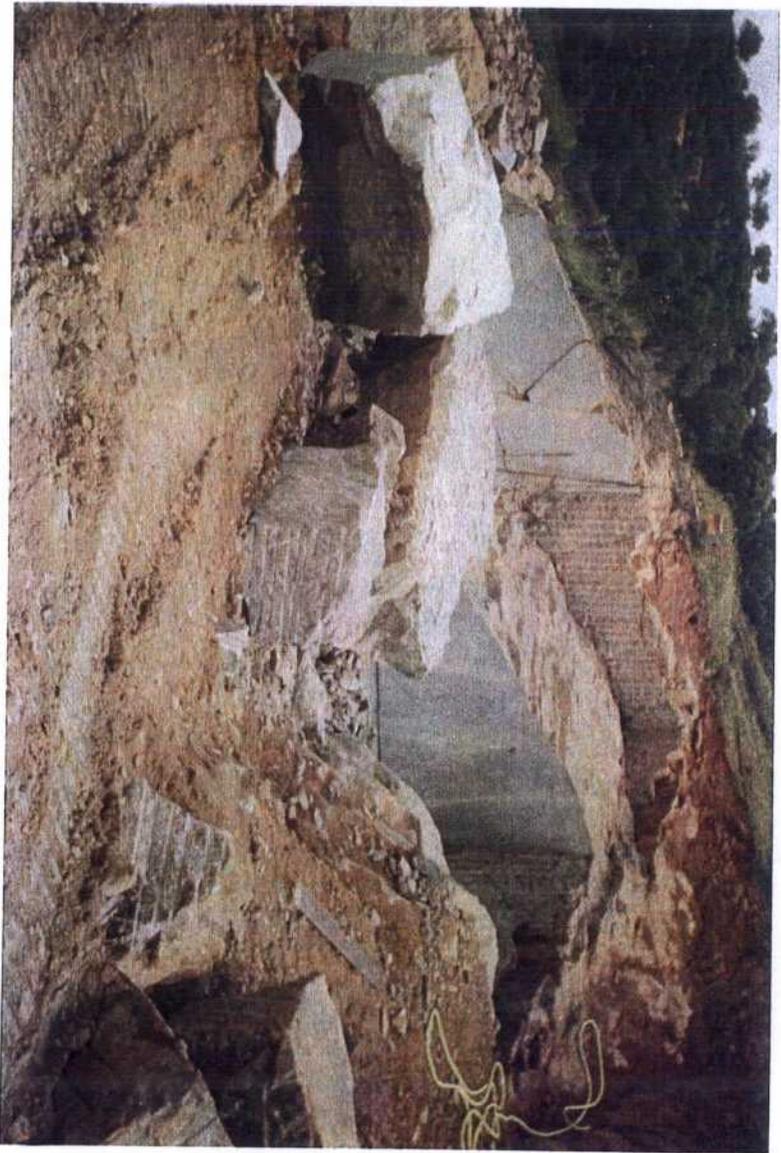
**OTRAS ROCAS
ORNAMENTALES**



SE - El Pedroso
GRANITO

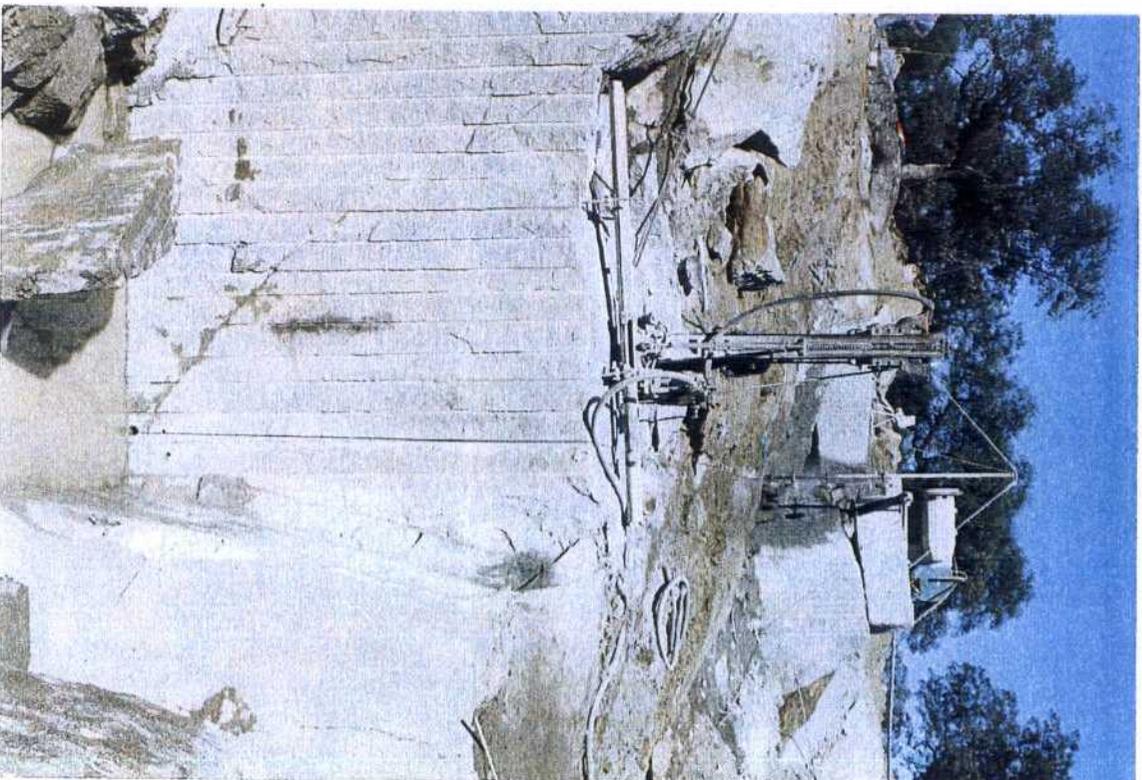


JA - San Fermín



CO.- Gloria I

GRANTO

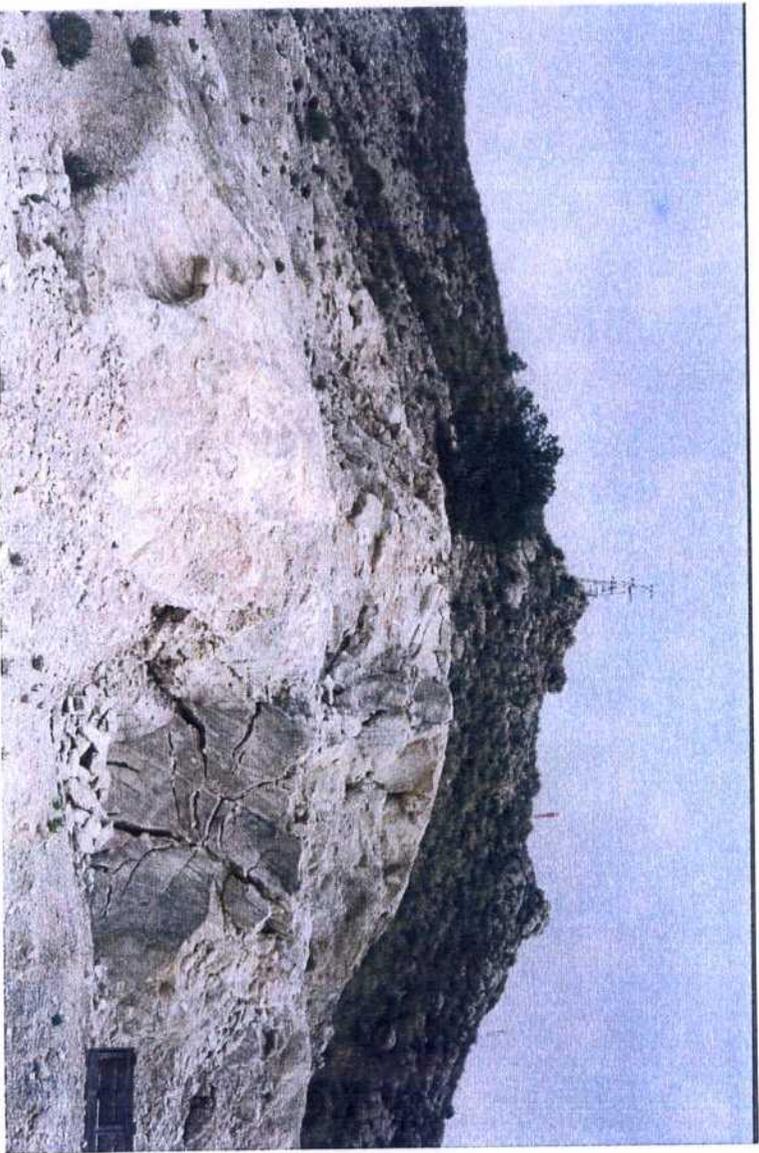


HU.- Inés María

GRANITO



**HU. M^{ra} Dolores
ALABASTRO**



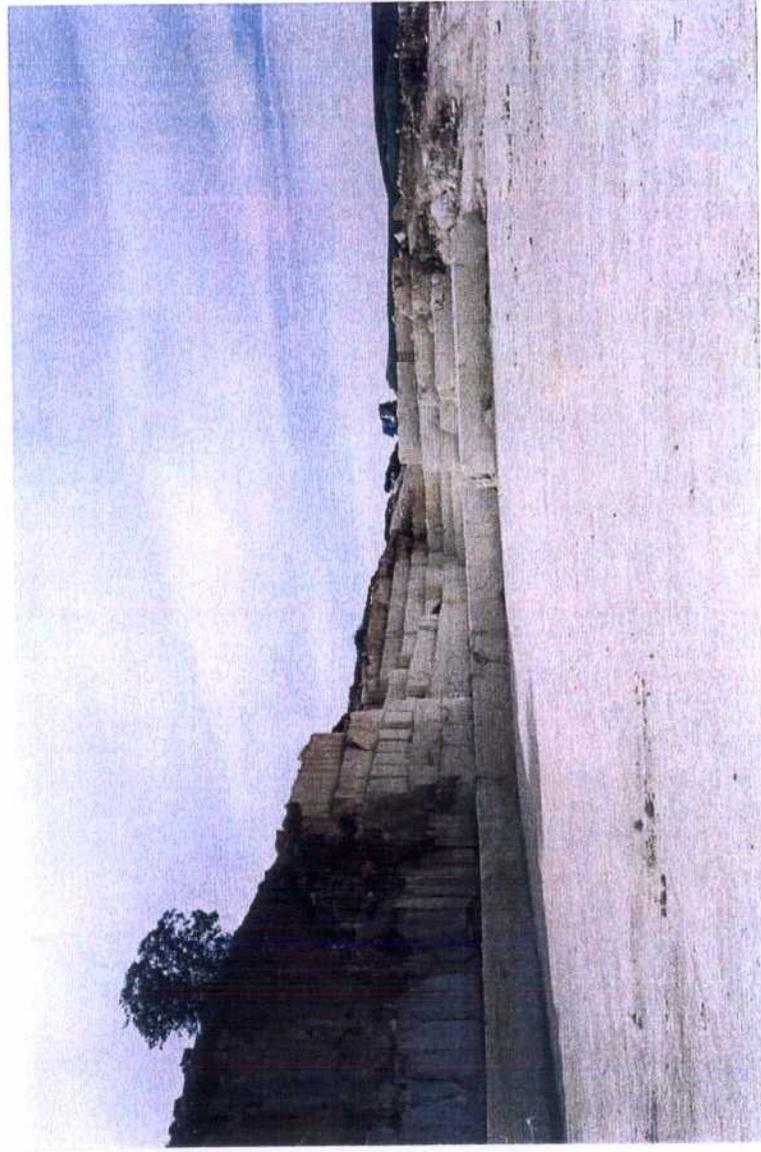
AL - Santa Águeda

FALSA ÁGATA



GR.- Santa Esther

CALCARENITA



GR.- Los Linos II



AL- Santa Fe

TRAVERTINO



AL- La Milagrosa

OTRAS SUSTANCIAS



CA- Isabelita
ARENAS SILÍCEAS



CA- San José

ARENAS SILÍCEAS



MA.- Las Slices

ATTAPULGITA



SE.- Nebrixil



AL .- Agrupación Los Trancos

BENTONITA

BARITA

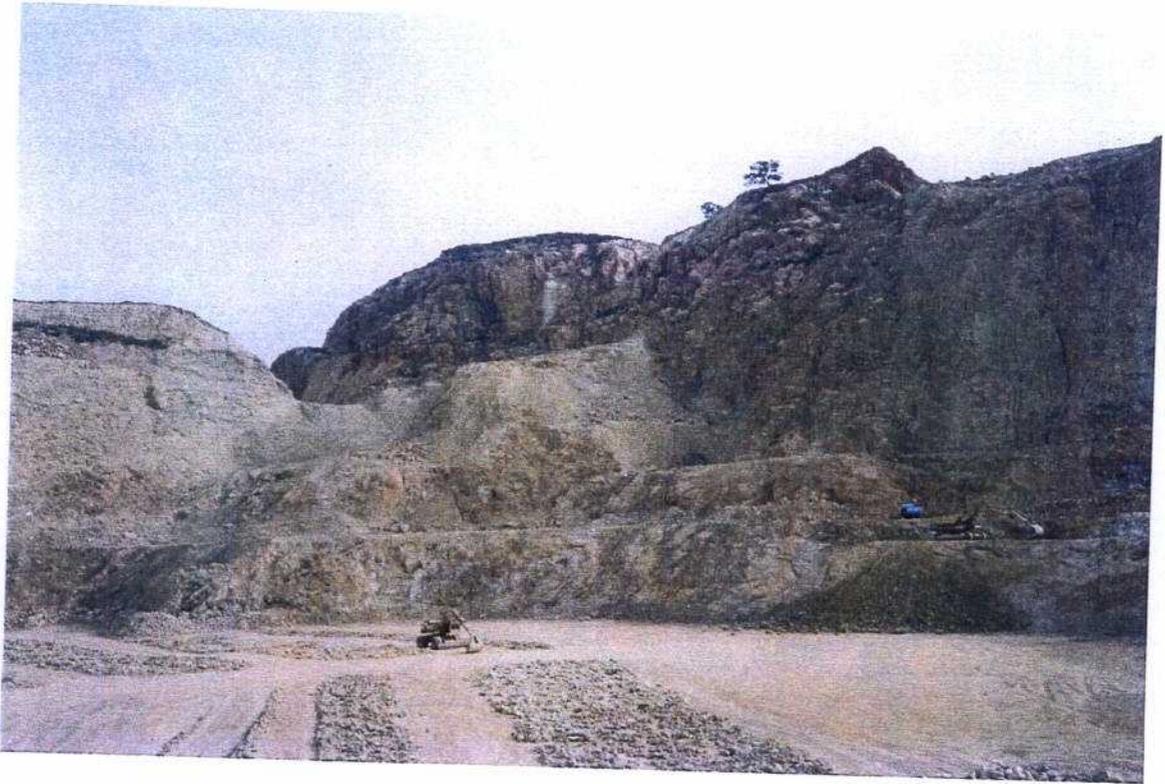


**AL - Corta Santa
Matilde**



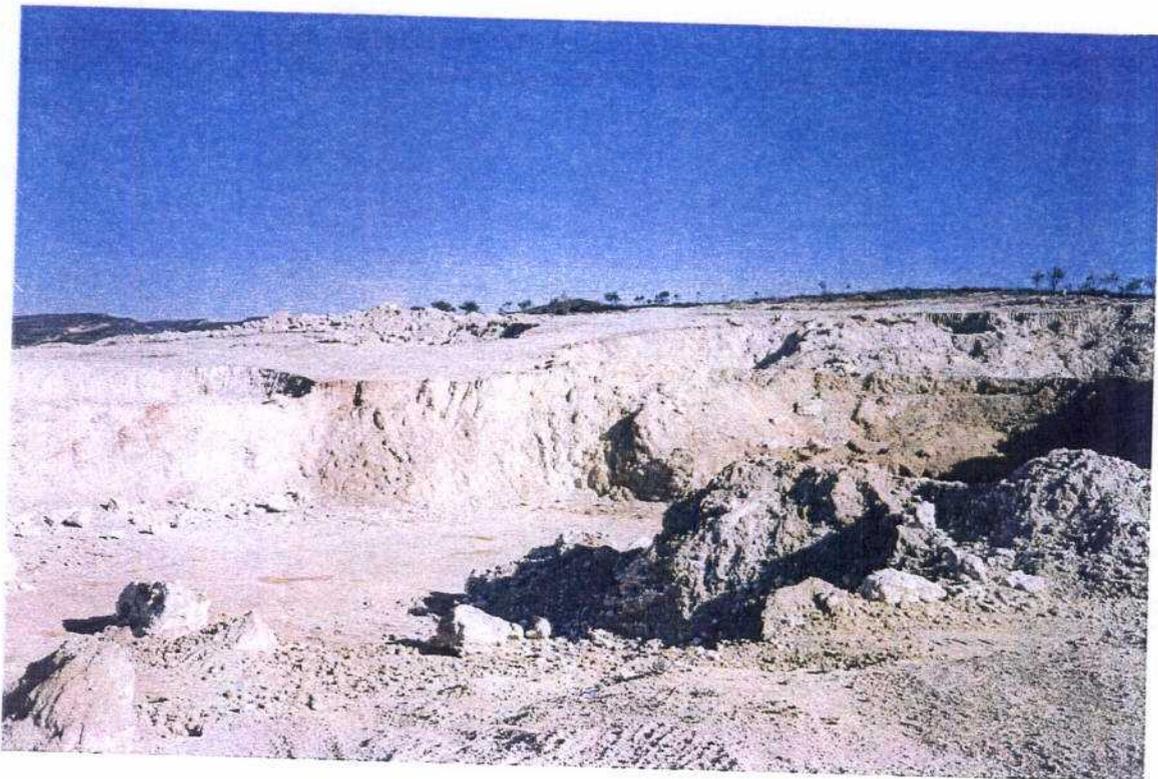
**CUARCITA
PARA PIEZAS**

JA - La Purísima

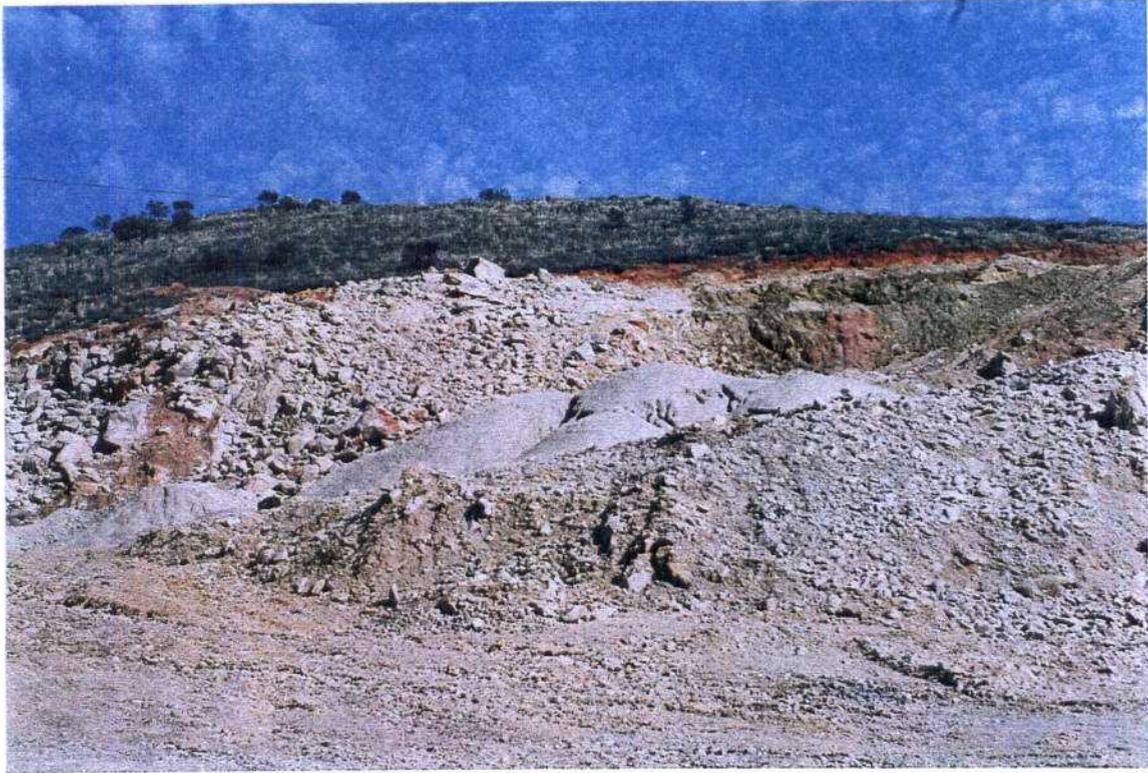


GR.- Aurora

CELESTINA

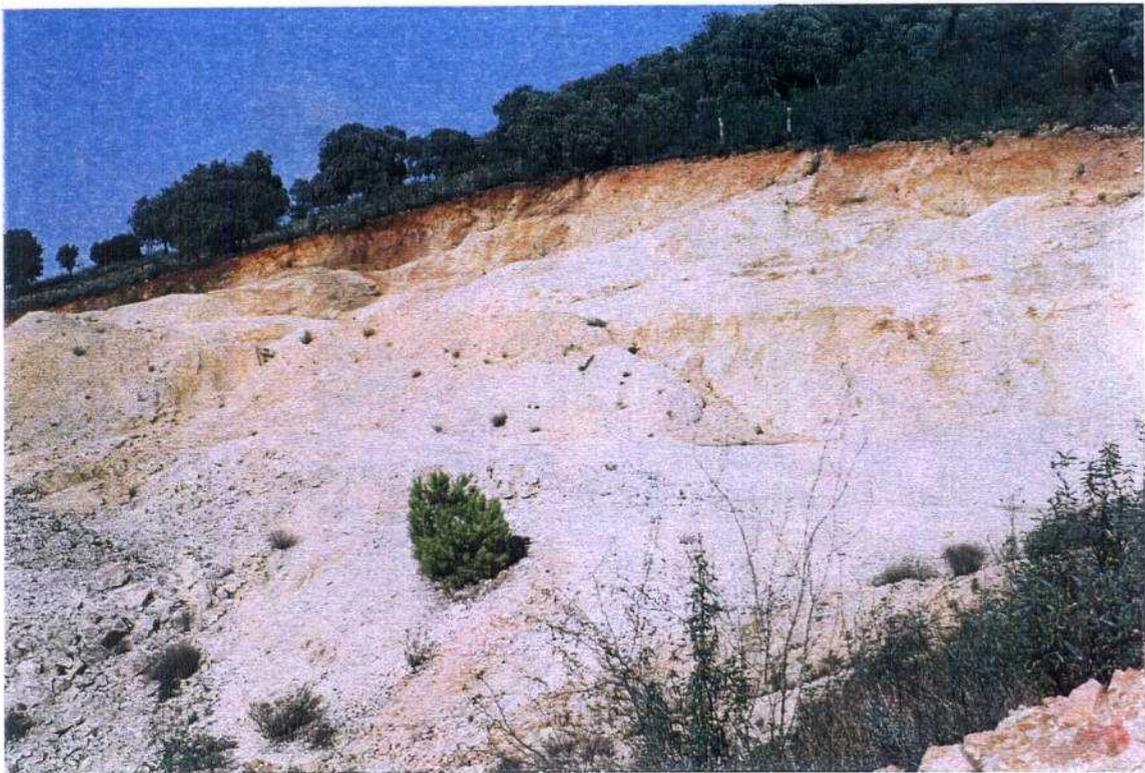


GR.- Kalichemie



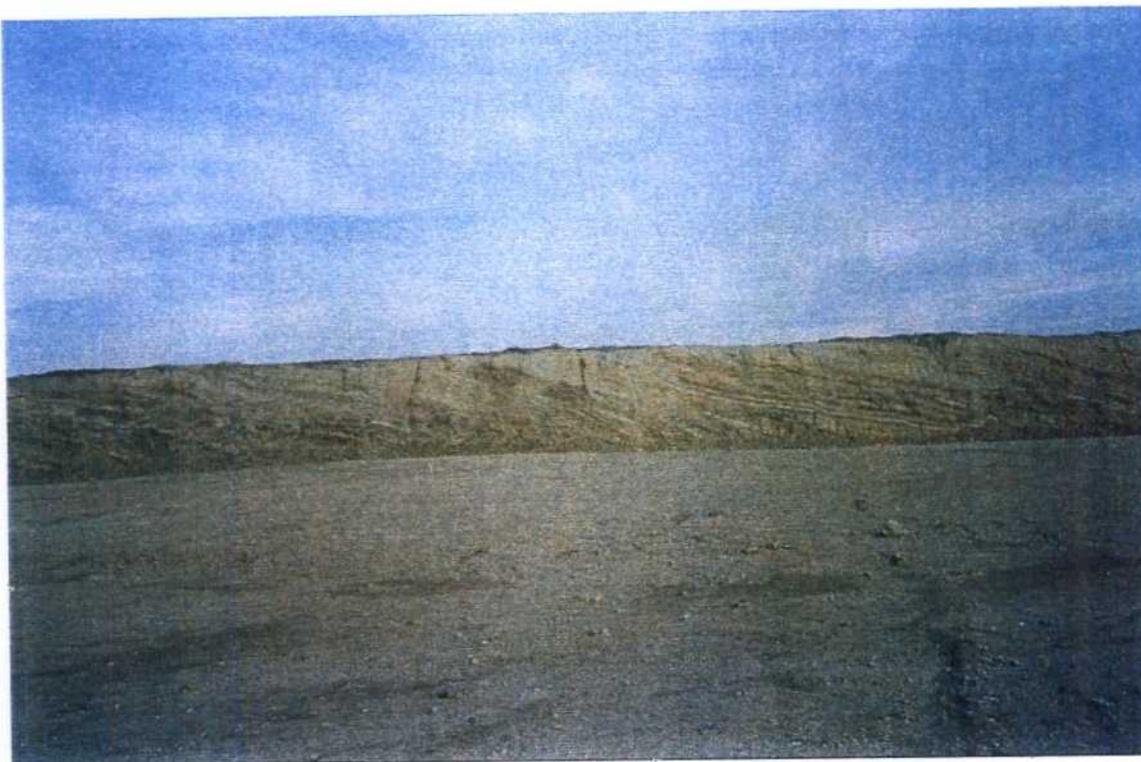
SE - Andalucía

FELDESPATO



SE - Realejo

MARGA



CA.- Alba-Jerez I

TALCO



MA.- Porfin

TRÍPOLI



JA.- Santa Bárbara

TURBA



GR.- La Pandilla II