

Site Photographs

K4-1-9 Vastegan



Check dam built on one of tributaries in upstream of Gela river by Chaharmahal Va Bakhtiyari Provincial Jihad Agriculture Organization. June 2000.

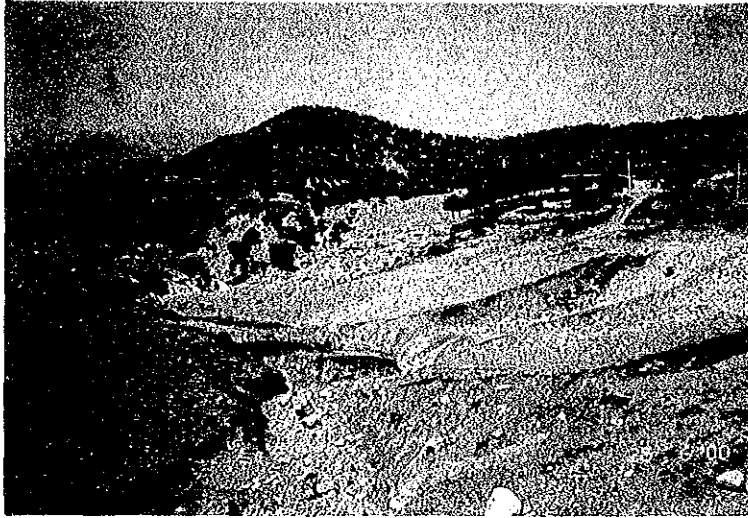


Protection of bank of Gela river by vine plantation (vicinity of Vastegan village). June 2001.



Protected Rangeland in southern mountain and hilly area. Spurge, erylgo and brome are among the vegetation. June 2001.

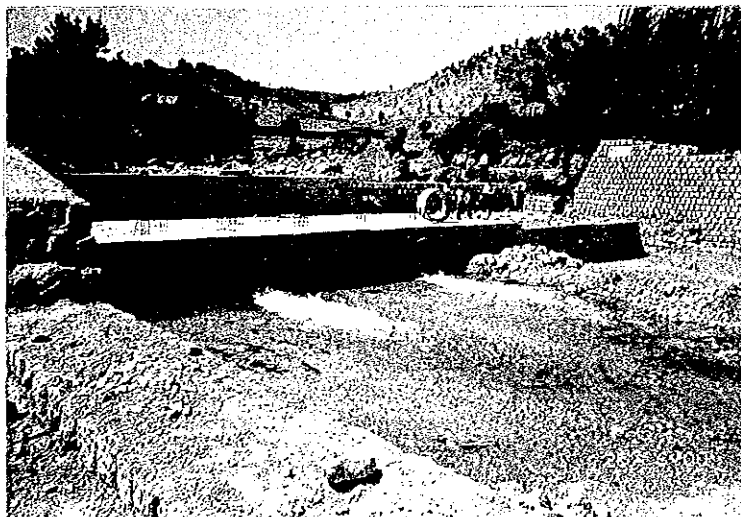
K5-19a Chaman Goli-Bazoft



A small tributary of Tabarak river suffering from gully erosion. Nomad stay in the area (vicinity of Ghaleh Tabarak village). June 2000.

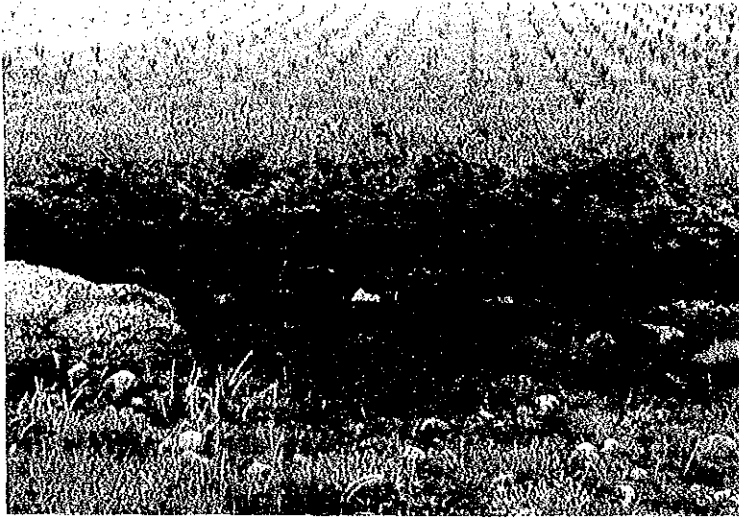


Check dam built on Tabarak river by Chaharmahal va Bakhtiyari Provincial Jihad Agriculture Organization to control gully erosion (vicinity of Ghaleh Tabarak village). July 2001.



Intake facilities for fish culture under construction on Tabarak river, nearby Tabarak Sofla village, by Chaharmahal va Bakhtiyari Provincial Jihad Agriculture Organization. June 2000.

K7-0-19-1 Sarbaz



Orchard terrace and basin irrigation. Terracing, which contributes in soil conservation and water harvest, is practiced in apple orchard (vicinity of Noorabad village). May 2001.



Bee keeping by means of modern beehives (Sarbaz village). May 2001.



Natural vegetation (white lily). This sub basin belongs to Dena mountain area, which is rich/diverse in flora. June 2001.

K7-48 Tang Sorkh



Livestock grazing in rangeland. Artichoke is the major pasturage vegetation (vicinity of Cheshmeh Chenar village).
June 2001.

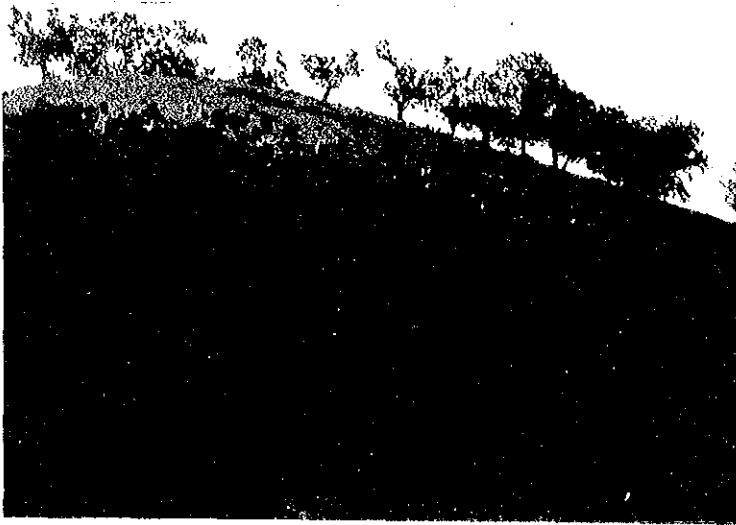


Irrigated land with apple, alfalfa and tomato crops (vicinity of Tang Sorkh village).
June 2001.



Beehive for apple tree pollination. Farmers use bees as an agent to promote pollination among the apple trees (Tang Sorkh village).
June 2001.

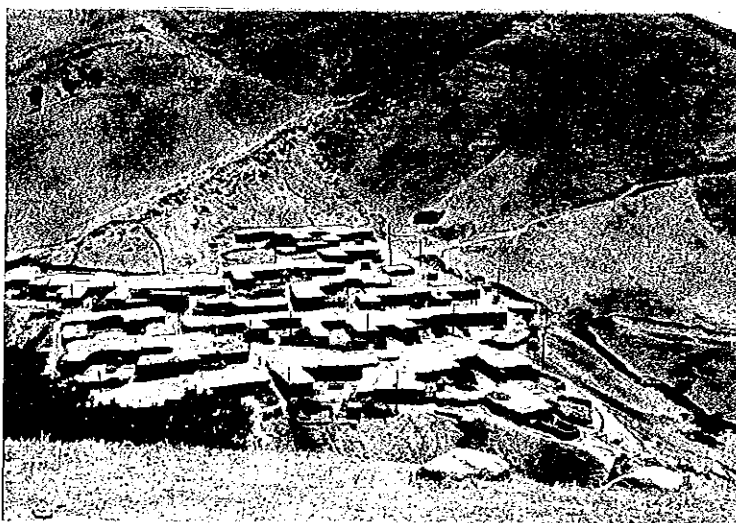
K8-28 Zeras



Livestock grazing on slope of mountain (vicinity of Dawodiha village).
May 2001.



Livestock footmark, rill and gully erosion on mountain slopes (vicinity of Dareh Sohrab village).
July 2001.



The Lir Siya Shapouri village is located in hazardous area, where land is very steep, eroded, and subjected to debris flow.
June 2001.

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LIST OF ABBREVIATIONS

A. ABBREVIATION OF MEASURES

(1) Length	mm	=	millimeter	
	cm	=	centimeter	
	m	=	meter	
	km	=	kilometer	
(2) Area	m ²	=	square meter	
	ha	=	hectare	= 104 m ²
	km ²	=	square kilometer	= 106 m ²
(3) Volume	lit.	=	liter	= 1,000 cm ³
	cu.m	=	cubic meter	= m ³
	MCM	=	million cubic meter	= 106 m ³
(4) Weight	mg	=	milligram	
	g	=	gram	
	kg	=	kilogram	= 1,000 gram
	t, ton	=	ton	= 1,000 kg
	tf	=	metric ton	= 1,000 kg
(5) Time	s	=	second	
	min	=	minute	
	h, hr	=	hour	
	d	=	day	
	yr	=	year	
(6) Currency	Rls	=	Rial	
	US\$	=	US Dollar	
	¥	=	Japanese Yen	
(7) Electricity	kv	=	kilovolt	
	kw	=	kilowatt	
	MW	=	megawatt	= 1,000 kw
	kwh	=	kilowatt-hour	
	MWh	=	megawatt-hour	= 1,000 kwh
	GWh	=	gigawatt-hour	= 1,000 MWh
(8) Discharge	cu.m/sec	=	cubic meter per second	= m ³ /sec
(9) Others	mmho	=	micromho	= conductance
	ppm	=	parts per million	
	%	=	percent	
	pH	=	scale of acidity	
	'	=	minute	
	"	=	second	

°C	=	Celsius
AU	=	Animal Unit
AUM	=	Animal Unit Month
EC	=	Electric Conductivity
TDS	=	Total Dissolved Solid

B. OTHER ABBREVIATIONS

B/C Ratio	=	Benefit/Cost Ratio
BHN	=	Basic Human Needs
CCF	=	Construction Conversion Factor
CGCF	=	Consumption Goods Conversion Factor
CIF	=	cost, insurance and freight
DEM	=	Digital Elevation Model
DI	=	Direct Intangible
DT	=	Direct Tangible
EIA	=	Environment Impact Assessment
EIRR	=	Economic Internal Rate of Return
EL	=	Elevation
EPM	=	Erosion Potential Method
FIRR	=	Financial Internal Rate of Return
FOB	=	Free on Board
GDP	=	Gross Domestic Product
GRP	=	Gross Regional Product
GBP	=	Gross Basin Product
GIS	=	Geographical Information System
HDI	=	Human Development Index
HPI	=	Human Poverty Index
HWL	=	high water level
ID	=	Identification Document
IEE	=	Initial Environmental Examination
II	=	Indirect Intangible
IRR	=	Internal Rate of Return
IT	=	Indirect Tangible
LWL	=	low water level
M/P	=	Master Plan
NPV	=	Net Present Value
PCM	=	Project Cycle Management
PDM	=	Project Design Matrix

S/W	=	Scope of Work
SCF	=	Standard Conversion Factor
SER	=	Shadow Exchange Rate
SWR	=	Shadow Wage Rate
USLE	=	Universal Soil Loss Equation

C. ABBREVIATION OF ORGANIZATIONS

ACS	=	<i>Agriculture Cooperative Society</i>
ADB	=	Asian Development Bank
AI	=	Artificial Insemination
ARS	=	Agriculture Research Service
ASC	=	Agriculture Services Center
CBI	=	Central Bank of Iran
DAC	=	Development Assistance Committee
DOE	=	Department of the Environment
EOJ	=	embassy of Japan
FAO	=	Food and Agriculture Organization
IMO	=	Iranian Meteorological Organization
IRI	=	Islamic Republic of Iran
IRICA	=	Islamic Republic of Iran Customs Administration
JBIC	=	Japan Bank for International Cooperation
JETRO	=	Japan External Trade Organization
JICA	=	Japan International Cooperation Agency
MJS	=	Ministry of Jihad-e-Sazandegi
MOA	=	Ministry of Agriculture
MOE	=	Ministry of Energy
MOJA	=	<i>Ministry of Jihad Agriculture</i>
MPO	=	Management and Planning Organization
NCC	=	National Cartographic Center
NGO	=	None Governmental Organization
PBO	=	Planning and Budget Organization
PCC	=	Project Coordination Committee
PIC	=	Project Implementation Committee
PSIAC	=	Pacific Southwest Inter-agency Committee
RRC	=	Rural Research Center
RSC	=	Rural Services Cooperative
RWWC	=	Rural Water and Waste Water Company

SCS	=	Soil Conservation Service
SED	=	Study and Evaluation Department
UNDP	=	United Nations Development Programme
UNESCO	=	United Nations Educational Scientific and Cultural Organization
UNIDO	=	United Nations Industrial Development Organization
USDA	=	United States Department of Agriculture
WB	=	World Bank
WHO	=	World Health Organization
WMD	=	Watershed Management Deputy

D. ABBREVIATION OF REPORT

DF/R	=	Draft Final Report
F/R	=	Final Report
IC/R	=	Inception Report
IT/R	=	Interim Report
P/R	=	Progress Report

E. Local Terms

Far	=	Farvardin	=	21 March to 20 April
Ord	=	Ordibehesht	=	21 April to 21 May
Khr	=	Khordad	=	22 May to 21 June
Tir	=	Tir	=	22 June to 22 July
Mor	=	Mordad	=	23 July to 22 August
Shr	=	Sharivar	=	23 August to 22 September
Mhr	=	Mehr	=	23 September to 22 October
Abn	=	Aban	=	23 October to 21 November
Azr	=	Azar	=	22 November to 21 December
Dey	=	Dey	=	22 December to 20 January
Bah	=	Bahman	=	21 January to 19 February
Esf	=	Esfand	=	20 February to 20 March