MINUTE ITEM

This Calendar Item No. 3/
was approved as Minute Item
No. 3/ by the State Lands
Commission by a vote of 3
to at its //3/85
meeting.

CALENDAR ITEM

A 3

31

S 1

O1/31/85 W 40395 PR Hamilton Gonzalez

PRC 6786

NEGOTIATED OIL AND GAS LEASE

TAPPLICANT:

Oxy Petroleum, Inc. Post Office Box 939

Bakersfield, California 93302

Attention: Gary D. Ross

AREA, TYPE LAND AND LOCATION:

The proposed Oil and Gas Lease involves the subsurface development of 23.36 acres of State sovereign lands, underlying the beds of Butte Slough and Butte Creek together with that portion of unpatented S&O lands lying south of the left bank of Butte Slough in Sections 25 and 36, T16N, R1W, MDM and Section 31, T16N, R1E, MDM, Subter County.

LAND USE:

Oxy Petroleum, Inc. has drilled five wells on private uplands that surround the above described State lands. Currently, only well BSU #1 is producing gas. A use permit has been issued by the Sutter County Planning Department and as; lead agency, determined that the production of natural resources in agricultural areas of Sutter County, will not have a significant effect on the environment and has prepared and adopted a Negative Declaration (SCH 83071903) for the drilling of oil/gas wells within the surrounding agricultural properties. The proposed oil and gas development of State lands requires no surface use of State lands.

TERMS OF THE PROPOSED OIL AND GAS LEASE:

The small and irregular configuration of the State-owned lands are surrounded by properties under lease to Oxy Petroleum, Inc. The

-1-

	
CALENDÁM/PACE	157
MINUTE PAdje	411
L	

CALENDAR ITEM NO. 31 (CONT'D)

surrounding area is considered a gas producing area and staff has negotiated with Oxy the following lease terms: the lessee agrees (1) to pay a flat rate royalty of 16-2/3 percent on all oil and non-oil production from the leased lands; (2) to include (pool) the State lands with those adjoining lands that are presently under lease to Oxy and make them part of the Oxy Butte Slough Unit; and (3) to pay all back royalties from September 1, 1983.

STATUTORY AND OTHER REFERENCES:
A. P.R.C. Div. 6, Parts 1 and 2; Section 6815.

 Cal. Adm. Code: Title 2, Div. 3; and Title 14, Div. 6.

AB 884:

N/A.

OTHER PERTINENT INFORMATION:

Oxy's Butte Slough Unit presently contains 560.28 acres of private lands which surround and abut the State lands. Oxy has agreed to pool the State lands with its lands in the Unit, increasing the Unit to 583.64 acres with the State receiving a 4.0 percent interest in the Unit.

A Negative Declaration was prepared and adopted for this project by the Sutter County Planning Department (SCH 83071903). The State Lands Commission's staff has reviewed the Negative Declaration and believes that it complies with the requirements of the CEQA.

This activity involves lands identified as possessing significant environmental values pursuant to P.R.C. 6370 et seq. Based upon the staff's consultation with the persons nominating such lands and through the CEQA review process, it is the staff's opinion that the project, as proposed, is consistent with its use classification.

EXHIBITS:

- A. Land Description.
- B. Location Map.
- C. Negative Declaration.

CALENDAR PAGE 152
MINUTE PAGE 412

CALENDAR ITEM NO. 3.1 (CONT'D)

IT IS RECOMMENDED THAT THE COMMISSION:

- 1. FIND THAT A NEGATIVE DECLARATION (SCH 83071903) WAS PREPARED AND ADOPTED FOR THE PROJECT BY THE SUTTER COUNTY PLANNING DEPARTMENT AND THAT THE COMMISSION HAS REVIEWED AND CONSIDERED THE INFORMATION CONTAINED THEREIN.
- 2. DETERMINE THAT THE PROJECT, AS APPROVED, WILL NOT HAVE A SIGNIFICANT EFFECT ON THE ENVIRONMENT.
- 3. FIND THAT THIS ACTIVITY, AS PROPOSED, IS CONSISTENT WITH THE USE CLASSIFICATION DESIGNAMED FOR THE LANDS PURSUANT TO P.R.C. 6370 ET SEQ.
- 4. AUTHORIZE THE ISSUANCE TO OXY PETROLEUM, INC. OF AN OIL AND GAS LEASE WHICH CONTAINS 23.36 ACRES OF SUBMERGED AND UNPATENTED S&O LANDS IN SUTTER COUNTY.

--3-

CALÉNDAR PAGE 153
MINUTE PAGE 413

EXHIBIT "A"

LAND DESCRIPTION

W 40395

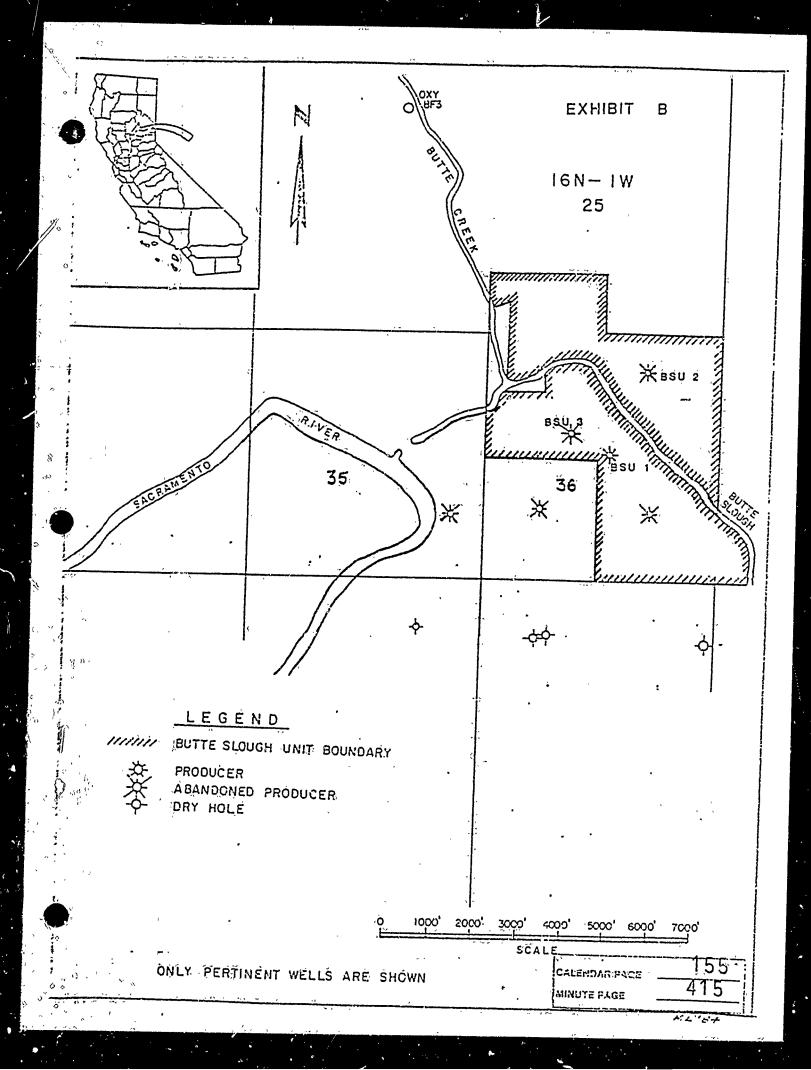
All those California State lands in Sections 25 and 36, TIGN, RIW, MDM, and in Section 31, TIGN, RIE, MDM, Sutter County, California, described as follows:

All those submerged lands in the desk of Butte Slough and Butte Creek in said Sections 25, 36, and 31 TOGETHER WITH that portion of the NMs of the NMs of said Section 36 lying southerly of said Butte Slough.

END OF DESCRIPTON

PREPARED JANUARY 27, 1984, BY BOUNDARY AND TITLE UNIT, LEROY WEED, SUPERVISOR.

CALÉNDAR PAGE 154



~··· m/	C 07-29-83	•	(783) +	
			0412 / 111 1 51100	_
•	THE P SPATIS AS	מיפגעד הסתבוב נוחפיינבוותם	.83071903	
ie Angest Setter Uso 2.	ermit - Oyu Pet	roleum SUT-1486		_
E incume, Sutter	County Planning	Department : thuis	Fire Pichard P. Fire:	_
2. 1200 -ceres: 204 C	Street ip.O.	20x 1555) 2. : 11/. Yu	ba City.,	
%. Dary Sutter			», >(918) 673-7932	_
There is the	, Subber		/	
Alimany tent m	9-1'30-7	42; Sec		_
Si) for bosts regar Cost Stratti Pt		terrical fam.	, 	
C'himis ! siles &. er. ?	-	64, 41F29F7	u. hor Sacraments	<u> </u>
- 19 on one de art optionale)				
Jis a mare	Delete us to 55	Jeress as as \$1	Let a impleyer Paris (1220-22)	
c; onn at		_:**e; \$;r	irs Sun !	-
AAM pt	Care-of Plas Saint,	Lacazieg/	te, was seen	
	MATTER THA	lange il/		
Sesterme (If the		manutissumperstall		
Mark Total		_vitrision 43		
In. Binner	Xvea Jerres	Zament forestier	10184	
בים מרכ		the beritten/frmient		
Took u lie leice		4:14!	-	
<u> </u>		Tetal Project Acrobi	****	
Jenneste Jelien	eligite spice	_if comestransit in	wingfoné vistes	
	Tentré/oranes		the Irest /test trestee	
The Coultry		_i;=nistai(~isti		
visited.	_easer Sviraly			_
		SantsSalta Was		
Tuin .	Seelogie/Seibere			_
	Agricultural/	Acricultural-Flood		-
Tuin .	Agricultural/		Plain	•
Herri the et he raise	Heleger River. Agricultural/ Drilling of A	Acricultural-Flood	W/C N/C	-
Herri the et he raise	Heleger River. Agricultural/ Drilling of A	Acricultural-Flood Olivare wall V/C N/C RESOURCES	W/ClN/C	•
Mental the est we take	Heleger River. Agricultural/ Drilling of A	Acricultural-Flood	W/ClN/C	•
RESTRICT CONTACT	aricultural/ Drilling of a	Acricultural-Flood Olivare wall V/C N/C RESOURCES	W/ClN/C	-
RESTRICT CONTACT	aricultural/ Drilling of a	Acticultural-Flood V/CIN/C RESOURCES VICONSERVATION	W/C N/C W/C N/C W/C N/C	-
ACCION COO ET AO EXITE CONTACTO STATE REVIEW PERIOD SI	interpressione. Agricultural/ Drilling of a: : Amma ESAN: 7/18	ACTICULEURAL-Flood V/CIN/C IRESOURCES ICONSERVATION IFISH AND GARE	Plain W/CI N/C	
ACCION COO ET AO EXITE CONTACTO STATE REVIEW PERIOD SI	interpressione. Agricultural/ Drilling of a: : Amma ESAN: 7/18	ACTICULEURAL-Flood V/CIN/C RESOURCES XICONSERVATION IFISH AND GAME	W/C N/C W/C N/C W/C N/C	-
REIDIT CUE ET AN INITE 83071903 CLERRINGHOUSE CONTACT STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO AGENCY B	interpressions. Agricultural/ Drilling of 2: Anna ESAN: 7/18 Y: 8/10	ACTICULEURAL-Flood V/CIN/C RESOURCES XICONSERVATION IFISH AND GAME	Plain W/CI N/C Image: Plain Plai	•
AGENCY PERSON SENSON SE	interpressione. Agricultural/ Drilling of Agricultural/ : Amma ESAN: 7/18 Y: 8/10 BY: 8/15	ACTICULEURAL-Flood V/CIN/C RESOURCES ICONSERVATION IFISH AND GAME ATTICULES/M	Plain W/CI N/C Interest Int	
REIDIT CUE ET AN INITE 83071903 CLERRINGHOUSE CONTACT STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO AGENCY B	interpressione. Agricultural/ Drilling of Agricultural/ : Amma ESAN: 7/18 Y: 8/10 BY: 8/15	ACTICULEURAL-Flood OLIVER WALL WICHIC IRESOURCES ICONSERVATION VIFISH AND GAME ACTICULEURAL VICINICE IRESOURCES VICINICE VICIN	Plain W/CI N/C	
PAREDIT CUE CT AND ENTER 83071903 CLERKINGHOUSE CONTACT STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO AGENCY B AGENCY PEVIEW TO: SCH SCH: COMPLIANCE EY: 8	interpressions. Agricultural/ Drilling of 2: Anna ESAN: 7/18 Y: 8/10 EST: 8/15	ACTICULTURAL FLOOD V/CIN/C IRESOURCES ICONSERVATION IFISH AND GAME ACTICULTURAL FLOOD IFISH AND GAME ACTICULTURAL FLOOD IFISH AND GAME ACTICULTURAL FLOOD ICONSERVATION IFISH AND GAME ACTICULTURAL FLOOD ICONSERVATION I	Plain W/C N/C INCREST INCREACTE INCREASE	
PAREDIT CUE CT AND ENTER 83071903 CLERKINGHOUSE CONTACT STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO AGENCY B AGENCY PEVIEW TO: SCH SCH: COMPLIANCE EY: 8	interpressions. Agricultural/ Drilling of 2: Anna ESAN: 7/18 Y: 8/10 EST: 8/15	ACTICULEURAL-Flood OLIVATE VALI W/CIN/C IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES	W/CI M/C Image: Imag	
PAREDIT CUE CT AND ENTER 83071903 CLERKINGHOUSE CONTACT STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO AGENCY B AGENCY PEVIEW TO: SCH SCH: COMPLIANCE EY: 8	interpressions. Agricultural/ Drilling of 2: Anna ESAN: 7/18 Y: 8/10 EST: 8/15	ACTICULEURAL-Flood OLL/GRE WALL W/CIN/C IRESOURCES XICONSERVATION XIFISH AND GAME ATTALIAN IREGION + 5/1	W/C N/C W/C N/C INTEREST INTEREST	
AGENCY PERSONS ON CONPLIANCE BY: 8	interpressione. Agricultural/ Drilling of a: Anna ESAN: 7/18 Y: 8/10 BY: 8/15 17	ACTICULEURAL-Flood OLIVATE VALI W/CIN/C IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES	W/CI N/C Image: Imag	.
AGENCY PERSONS ON CONPLIANCE BY: 8	interpressione. Agricultural/ Drilling of a: Anna ESAN: 7/18 Y: 8/10 BY: 8/15 17	ACTICULEURAL-Flood OLIVATE VALI VICIN/C IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL FIRM AND	W/CI M/C Image: Imag	:5.
STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO SCH AGENCY REVIEW TO SCH SCH COMPLIANCE EY: 8	interpressione. Agricultural/ Drilling of Agricultural/ : Amna ESSAN: 7/18 Y: 8/10 BY: 8/15 17 (074)	ACTICULEURAL-Flood OLIVATE VALI VICIN/C IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES XIFISH AND GAME ACTICULEURAL	Plain W/C N/C INTEREST	
STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO SCH AGENCY REVIEW TO SCH SCH COMPLIANCE EY: 8	interpressione. Agricultural/ Drilling of Agricultural/ : Amna ESSAN: 7/18 Y: 8/10 BY: 8/15 17 (074)	ACTICULEURAL-Flood OLIVATE VALL VICINIC IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES XIFISH AND GAME ACTICULEURAL XIFISH AND GAME AC	W/CI M/C Image: Section Image: Sect	
ACTION LUCY ET LAS EXPLICATION OF STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO ACTION OF SCHOOL COMPLIANCE BY: 8	interpressione. Agricultural/ Drilling of A: Anna ESAN: 7/18 Y: 8/10 BY: 8/15 17 (074) 79/1	ACFICULTURAL-Flood V/CIN/C IRESOURCES ICONSERVATION IFISH AND GAME ATTAINAND GAME ATTAINAND GAME ATTAINAND GAME ATTAINAND IREGION + 51	Plain W/C N/C INTEREST	-
ACTION LUCY ET LAS EXPLICATION OF STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO ACTION OF SCHOOL COMPLIANCE BY: 8	interpressione. Agricultural/ Drilling of A: Anna ESAN: 7/18 Y: 8/10 BY: 8/15 17 (074) 79/1	ACTICULEURAL-Flood OLIVATE VALL VICINIC IRESOURCES XICONSERVATION XIFISH AND GAME ACTICULEURAL IRESOURCES XIFISH AND GAME ACTICULEURAL XIFISH AND GAME AC	Plain W/C N/C INTEREST	-
ACTION LUCY ET LAS EXPLICATION OF STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO ACTION OF SCHOOL COMPLIANCE BY: 8	interpressione. Agricultural/ Drilling of Ar Agricultural/ France France	ACTICULEURAL-Flood W/CIN/C RESOURCES CONSERVATION FISH AND GAME REGION + 5 REGION + 5	W/CI M/C W/CI M/C WEALTH WEALTH WOOD WE AGO WE A	
ACTION LUCY ET LAS EXPLICATION OF STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO ACTION OF SCHOOL COMPLIANCE BY: 8	interpressione. Agricultural/ Drilling of Ar Agricultural/ France France	ACTICULEURAL-Flood W/CIN/C RESOURCES CONSERVATION FISH AND GAME REGION + 5 REGION + 5	W/CI M/C W/CI M/C WEALTH WEALTH WOOD WE AGO WE A	
STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO SCH AGENCY REVIEW TO SCH SCH COMPLIANCE EY: 8	interpressione. Agricultural/ Drilling of Ar Agricultural/ France France	ACTICULEURAL-Flood W/CIN/C IRESOURCES XICONSERVATION XIFISH AND GARE RESOURCES XIRESOURCES XIRESOURCES	MINIMAL WINDS	
ACTION LUCY ET LAS EXPLICATION OF STATE REVIEW PERIOD SI DEPARTMENT REVIEW TO ACTION OF SCHOOL COMPLIANCE BY: 8	interpressione. Agricultural/ Drilling of A: Anna ESAN: 7/18 Y: 8/10 BY: 8/15 17 (074) 79/1	ACTICULEURAL-Flood W/CIN/C RESOURCES CONSERVATION FISH AND GAME REGION + 5 REGION + 5	MINIMAL WINDS	

1410 ICHIII SI .-- 916/45-0513 (0-405-0613)

CALERDAR SAGE 416

) sett # 83071903

COUNTY OF SUTTER NEGATIVE DECLARATION

					PROJECT	NO. S	JT-148	6
PROJECT	TITLE:	Use Permit						
PROJECT	SPONSOR:	Oxy Petro	leum, Inc	<u> </u>				
PROJECT	LOCATION	: Along But	te Sloug	ı, North	of Pass	Road,	<u>Sutte</u> :	<u>r</u>
		County			-			وستوجف المنافر المسترجان
ASSESSO	R'S PARCE	L NO. 8-14	0-03			,	· · · · · · · · · · · · · · · · · · ·	
DESCRIP	rion of P	ROJECT: <u>Dr</u>	illing of	: an oil	/gas wel	1		***********
· · · · · · · · · · · · · · · · · · ·		, i				<u> </u>		, ; · · ·
							-	
County of will not Study is	of Sutter have a availab	has been c . The Plan significant le for publ Street. Yub	ning Dir effect ic revie	ector for continuous continuous for the continuous	inds that environme Sutter	t this ent. T County	projec he Ini Plann	tial

STATEMENT OF REASONS TO SUPPORT FINDING OF NEGATIVE DECLARATION

The Conservation and Open Space Element of the General Plan recognizes the need for production of natural resources in the agricultural areas of Sutter County. Any effects would be short-term in nature during drilling process. Once the drilling has been completed, the area encompassed will be minimal. The subject location is in an area of large agricultural properties. Use Permits issued for drilling are subject to the condition that all drilling wastes be disposed of in accordance with the requirements of the California Division of Oil and Gas and the Sutter County Health Department.

GALENDANIPANG 157 417

Richard B. King. Planning Director & Environmental Control Officer

11		INIT	IAL STUDY	p	rc	ρ	0	SE	ec	}	ac	tic	חכ	S		•		_		<i>:</i> ~	• .	
SUT-1486 REF. Us /ermit #1145											l Ui	·ba	an.	p	10	ce	:38	es	3		0	ther
PROJECT TITLE: gas well				-	ori	ma	au 1		<u> </u>	-	1			-		<u> </u>	 ;	-				
Oxv Petroleum							-		200				S	hydrology								
COMPATIBLE/ZONING Yes No				.ing	Ş! }	OCIN		chie			COS	Species										
			ERAL PLAN (X)	26163		oc ba	Lenci	d terr		dromoge	oury.	X	estici	្លាប	d wat	99e		50	lon		100	
iniri,	AL ST	YDY :	PREPACED BY:	characteristics		inpervious surface or paving	ill	control and terracing	6vil	Jeans & strachterno	water discharge		ation Gor posticidas	f ground	aronu	drawage	raths	Smission	ordfion	ind.	ortenito	class
, <u> </u>)) line		es.	ous s	7		dred	il an	XQX	S	norte	210	0	57.0	1000	Ser.	2 2	1,97	d po	a sur
, DATE:			· \ J.	existing	Structur	Derr	Cut and	erosion	harber dredging	marshfil chamol	Coliny	rigat		alferation	alteration	ollerali	215	Direc	32.0	Heala	Creas.	100
LESS	ER let	IMP	ACT >10 GREATER	٠	G.	0.1	1 2	0.0	7	3/6	a 2	ď	d. 1	9/2	9.0	19.0	1	k. p	7 5	0	9 H	े का है। ' अ हि
9			proposed cotions >		X	+	+	1 1		1	13	1 1	<u>:</u>	+-	-	:	1-	1 1	<u> </u>	$\frac{1}{1}$	1	1 1
~	S		b. land forms		1	丁	Ì			4		1	_	Ţ			1		1	<u> </u>	I	
r.	tic	£	c. unique physical features d compostion, settling, subsidence	+			1			<u> </u>		-	-	一	 		<u>-j-</u>	 	-}-	+	. !-	
,	characteristics	earth	s. stability f earthauake faults	- -	-	- -	-	-		+				7.	-		1		- <u> </u> -	<u> </u>		
	용		a, surface	ľ		T.	士			<u> </u>		†-	1	İ			Ì		<u> </u>		<u></u> :	·
ų.	, <u>(2)</u>		b.underground c.recharge	-	H		╬			-		-	\dashv	- -	 		╬	늰		-j	-	- -
	;;;	٠ ب	d fioods			1	İ			!		丁		İ		Ì	İ	11	-	ii		1 1
,	O	water	d deposition	- -	-	+	븎	\vdash		<u> </u>		1	+	+	-;	+	-	1	<u>. j.</u>	+1		
+=	. तुर		d.components	+	-		†		1				\dashv	+		i	†	\vdash		, ,	+	
ironmen	physical	atmosphere	b. climate		\Box	1	1		1				1	1		1	1		1	\Box		; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;
Ξ	ِي ر َ	nos	c. temperature	- -	-	+	╁	\vdash	-		┼	+	\dashv	┿	-	<u> </u>	÷	╁┼	-	+-	+	
	Ω.	5	o humidity	上			I		1	T		1		Ī			İ	İΙ	İ	门		<u>. İ</u>
<u>.</u>			G. (1965 -	- -	-	-	╀	<u> </u>		-	<u>-</u> -		+	<u>;</u>			\dotplus	╀	1	<u> </u>	+	 - -
			c grasses	- -	\vdash	+	+		-	-	i	1	j	1		+	;		<u>-</u>	++	- -	+
Ö	는 S	BE	d anualic plants	1	Ц	丁	Ţ	7/	1			5.	z/;	بالمانيم	1	٠,	مم	٤				
٠	<u>.</u> . <u>Ö</u>	3	e birds f onimals, including reptiles	-	-	╬	十	$\ddot{\Box}$	7	1	-	1	{·		\mathcal{J}_{\parallel}	11	\		-	-		
of the env	biological conditions	and found	17. Iish and shelliish		口	I	1		, ,			二	丁	工	i		1		\pm		亡	
*==	<u>5</u> 5	Nora	A insects I. Endangered species	-		-		. _	-	- -	- -			- -	-	-	1	<u> - </u>	- -	4-4	- <u> </u> -	- -
*	0 0	2	Ti corridors, barriers	- -	ŀ	-	+	\vdash	+	+	-		-	十			+	 	+	-	-┪	
	*	-, -,	a. residential]_	口	Ţ	I		\Box	1				1		1	1.			П	1	
ري ا	,	i	b. commèrcial c, industrial	- -	H	- -	+	-	+	<u>-</u>	+	$: \mid$	\dashv	+-		+	+		 	+-	- -	
\mathcal{Q}	R.		d. agricultural	- x-	ī	1	+		1		 	† †	Ť	十		+	十	1	1	\forall	+	+-
S.	,	e S	B. Open Spoce		IJ	Ţ	Ţ			I				Ţ			I	1 1	I	11	工	
<u></u>	٠.	land use	f. recreational g. flood plain	- -	-		-	-	-		+	\dashv	+	+-	늰		+	1 1	- -	┼┤	ᆠ	
, # <u>.</u>		5	h marshland	上			1		T		İ	<u> </u>	士	i		i	1	ii	+	1 1	+	
ത്		<u> </u>	a, scenic views & vistas b historical/urcheaolegicui			-	-		-	- -	1	-	1	4-			I	11	丰	1 !	Ţ	
10	Ġ	ovsthet" ics	c unique species, acosystems	- -	1	+	+	 	+	-		╁┼	+	十	 	-	+	+	┿	╁┼	- -	
<u>ښ</u>	Ŏ		d unique architecture, landscape				I							I		Ţ	I		Ţ		工	
O.	ာင္က	fácilitios tes	a, local social characteristics b, peculation density	-		+	+	\vdash	+	- -		 -		+	 		+	-	- -	 		
.ి. ద ్రు	, J.,	deili 13	c. health & sufely			_ -	İ		j				-	<u> </u>	ᅼ	芷	1	廿	上	員	<u></u>	ᆣ
	Ö		d employment e.structures	- -	ij		F	\Box	_[- -	4		16	×	kə!	<u>. [</u>	Ţ	Į.			3	511
S	ュュー	made fac	t transportation network	- -	-	j·	- -	-	- -	- -				1411	; - ; =	3.A:3	-	 - -		4	ΓĦ	1
exilsting characteristics	celtural factors	5 72	g. utility network	-			İ					口	#	Ξ	Ë	Ï			干			
。 · (0)引		Eò	h.waste disposol	•		1	1	ı î	-1		:7	1 7			1 1	<i>T</i> *	1	:	3			

