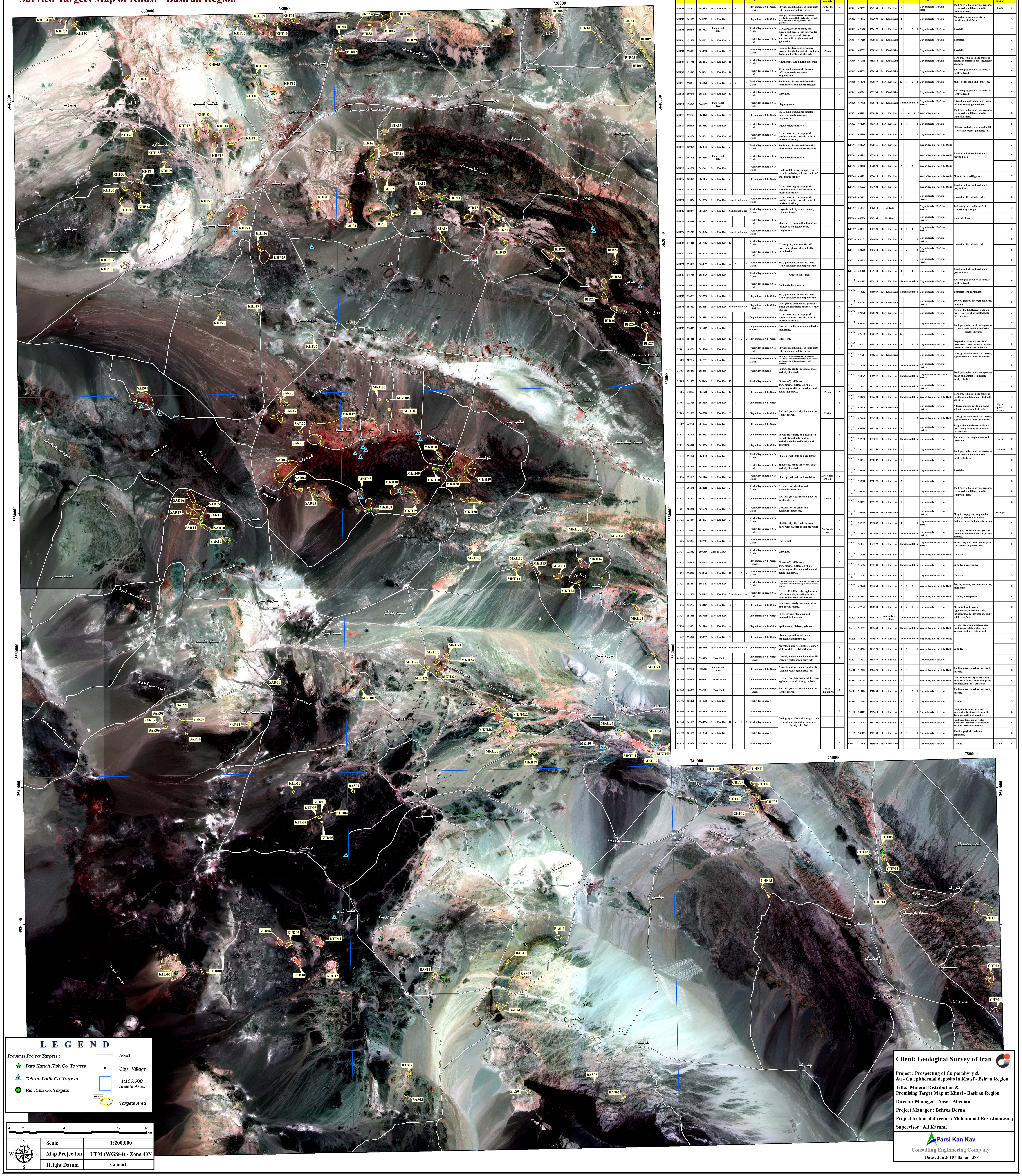
"Survied Targets Map of Khusf - Basiran Region"



NAME	Easting	Northing	VISITED	ICP	Thin	Po	X	Alteration in Satellite image(ASTER & ETM)	Geology(1:100,000 sheets)	Stream Sediment anomaly	RANKE
KHF01	684367	3624879	Parsi Kan Kav	4	4	1	2	Clay minerals + Fe Oxide + Sericite	Phyllite, phyllitic shale, in some parts with patches of spillitic rocks.	Cu=83- Pb-Zn	C
KHF02	649179	3651289	Parsi Kan Kav	1			1	Clay minerals + Fe Oxide	Dark, grey, violet andesitic tuff breccia and pyroclastics interbedded with lava flows; locally trachy andesite, latite, agglomerate and ignimbrite.		D
KHF05	669246	3647121	Pars Kaneh Kish					Weak Clay minerals + Fe Oxide	Dark, grey, violet andesitic tuff breccia and pyroclastics interbedded with lava flows; locally trachy andesite, latite, agglomerate and ignimbrite.		D
KHF06	672308	3651571	Parsi Kan Kav	4				Weak Clay minerals + Fe Oxide			A
KHF07	676073	3650688	Parsi Kan Kav	7				Weak Clay minerals + Fe Oxide	Porphyritic dacite and associated pyroclastics, dacitic andesite, andesitic dacite and locally with alteration.	Pb-Zn	C
KHF08	677958	3650472	Parsi Kan Kav	11				Weak Clay minerals + Fe Oxide	Amphibolite and amphibole schist.		D
KHF09	679017	3650043	Parsi Kan Kav	11				Weak Clay minerals + Fe Oxide	Shale, marl, nummulitic limestone, tuffaceous sandstone, some conglomerate.		D
KHF10	678333	3651420	Parsi Kan Kav	5	3		1	Weak Clay minerals + Fe Oxide	Sandstone, siltstone and shale with some lenses of nummulitic limestone.		D
KHF11	680849	3651701	Parsi Kan Kav	10				Weak Clay minerals + Fe Oxide	Listvinite.		D
KHF12	678742	3641857	Pars Kaneh Kish					Weak Clay minerals + Fe Oxide	Plagio-granite.		C
KHF13	672571	3634125	Parsi Kan Kav	2				Clay minerals + Fe Oxide	Shale, marl, nummulitic limestone, tuffaceous sandstone, some conglomerate.		B
KHF14	669896	3635163	Parsi Kan Kav	4	1		1	Weak Clay minerals + Fe Oxide	Dacite, dacitic andesite.		D
KHF15	668236	3636042	Parsi Kan Kav	6	3		3	Weak Clay minerals + Fe Oxide	Dark, violet to grey porphyritic basaltic andesite, volcanic rocks of shoshonitic affinity.		D
KHF16	669499	3633516	Parsi Kan Kav	3		1		Weak Clay minerals + Fe Oxide	Sandstone, siltstone and shale with some lenses of nummulitic limestone.		D
KHF17	667025	3634664	Pars Kaneh Kish					Weak Clay minerals + Fe Oxide	Dacite, dacitic andesite.		D
KHF18	663270	3632441	Parsi Kan Kav	2	1			Weak Clay minerals + Fe Oxide	Dark, violet to grey porphyritic basaltic andesite, volcanic rocks of shoshonitic affinity.		D
KHF19	662329	3631173	Parsi Kan Kav	3				Clay minerals + Fe Oxide			C
KHF20	657801	3635998	Parsi Kan Kav	3				Clay minerals + Fe Oxide	Dark, violet to grey porphyritic basaltic andesite, volcanic rocks of shoshonitic affinity.		C
KHF21	655956	3625630	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide	Dark, violet to grey porphyritic basaltic andesite, volcanic rocks of shoshonitic affinity.		D
KHF22	658384	3626419	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide	Rhyolite and rhyodacite, mostly volcanic domes.		D
KHF23	669080	3623422	Parsi Kan Kav	1				Weak Clay minerals + Fe Oxide	Shale, marl, nummulitic limestone, tuffaceous sandstone, some conglomerate.		C
KHF24	673211	3623886	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide			C
KHF25	677215	3617802	Parsi Kan Kav	12			1	Weak Clay minerals + Fe Oxide	Green, grey, white acidic tuff breccia, agglomerates and other pyroclastics.		D
KHF26	676002	3619024	Parsi Kan Kav	7	2		2	Weak Clay minerals + Fe Oxide			D
KHF27	675901	3609057	Parsi Kan Kav	6	2		1	Weak Clay minerals + Fe Oxide	Tuff, ignembrite, tuffaceous shale, locally sandstone and conglomerate.		C
KHF29	645950	3654930	Parsi Kan Kav	1				Weak Clay minerals + Fe Oxide	Out of Study area		C
KHF31	656871	3643536	Parsi Kan Kav	1				Weak Clay minerals + Fe Oxide	Dacite, dacitic andesite.		C
KHF32	656733	3627290	Parsi Kan Kav	2				Clay minerals + Fe Oxide	Tuff, ignembrite, tuffaceous shale, locally sandstone and conglomerate.		C
KHF33	657562	3628284	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide + Sericite	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		A
KHF34	658856	3628289	Parsi Kan Kav	1				Clay minerals + Fe Oxide	Dark, violet to grey porphyritic basaltic andesite, volcanic rocks of shoshonitic affinity.		C
KHF35	656415	3616409	Parsi Kan Kav	1				Clay minerals + Fe Oxide + Sericite	Diorite, granite, microgranodiorite, monzonite.		B
KHF36	656315	3615777	Parsi Kan Kav	23	6	2	3	Clay minerals + Fe Oxide	Limestone.		B
BIR01	689251	3624366	Parsi Kan Kav		2			Weak Clay minerals + Fe Oxide	Phyllite, phyllitic shale, in some parts with patches of spillitic rocks.		D
BIR02	687732	3647591	Parsi Kan Kav	4				Weak Clay minerals + Fe Oxide	Dark, grey, violet andesitic tuff breccia and pyroclastics interbedded with lava flows; locally trachy andesite, latite, agglomerate and ignimbrite.		D
BIR03	695281	3652407	Parsi Kan Kav	4				Weak Clay minerals	Sandstone, sandy limestone, shale and phyllitic shale.		C
BIR05	712053	3650414	Parsi Kan Kav	15				Weak Clay minerals	Green tuff, tuff breccia, agglomerate, tuffaceous shale, including locally intermediate and acidic lava flows.		D
BIR06	718173	3651908	Parsi Kan Kav	12				Clay minerals + Fe Oxide		Pb-Zn	A
BIR07	732936	3645816	Parsi Kan Kav	4	1			Clay minerals + Fe Oxide	Red and grey porphyritic andesite locally altered.		B
BIR08	732009	3647308	Parsi Kan Kav	7			2	Clay minerals + Fe Oxide		Pb-Zn	B
BIR09	730730	3648732	Parsi Kan Kav	4	1		1	Clay minerals + Fe Oxide			B
BIR11	702628	3626133	Parsi Kan Kav	4	1		1	Clay minerals + Fe Oxide	Porphyritic dacite and associated pyroclastics, dacitic andesite, andesitic dacite and locally with alteration.		B
BIR12	700018	3626334	Parsi Kan Kav	2				Clay minerals + Fe Oxide			B
BIR14	694170	3633010	Parsi Kan Kav	4				Weak Clay minerals + Fe Oxide	Shale, pencil shale and sandstone.		D
BIR15	694438	3635664	Parsi Kan Kav	17				Weak Clay minerals + Fe Oxide	Sandstone, sandy limestone, shale and phyllitic shale.		D
BIR16	692685	3631164	Parsi Kan Kav	4				Weak Clay minerals + Fe Oxide	Shale, pencil shale and sandstone.	Au=3.6ppm-Pb-Zn	A
BIR17	706846	3623268	Parsi Kan Kav	3	1			Weak Clay minerals + Fe Oxide	Grey, masive, alveolina and nummulitic limestone.		C
BIR18	702803	3620023	Parsi Kan Kav	5	1		1	Clay minerals + Fe Oxide	Red and grey porphyritic andesite locally altered.	Au=5.6	A
BIR21	700770	3626070	Parsi Kan Kav	2			1	Weak Clay minerals + Fe Oxide	Grey, masive, alveolina and nummulitic limestone.		C
BIR22	726084	3610834	Parsi Kan Kav	2			1	Weak Clay minerals + Fe Oxide	Phyllite, phyllitic shale, in some parts with patches of spillitic rocks.		C
BIR23	726397	3613433	Parsi Kan Kav	3	1		2	Weak Clay minerals + Fe Oxide		Au=4.7-pb-Zn	C
BIR26	732344	3607301	Parsi Kan Kav	5			1	Weak Clay minerals + Fe Oxide	Calc-schist.		C
BIR27	732383	3606590	Close to BIR26					Weak Clay minerals + Fe Oxide	Listvinite.		C
BIR28	696378	3651455	Parsi Kan Kav	3		1	2	Clay minerals + Fe Oxide + Sericite	Green tuff, tuff breccia, agglomerate, tuffaceous shale, including locally intermediate and acidic lava flows.		B
BIR29	698326	3650840	Parsi Kan Kav	12	1	2	4	Weak Clay minerals + Fe Oxide			D
BIR32	692217	3651702	Parsi Kan Kav	4				Weak Clay minerals + Fe Oxide	Ultrabasic rocks in general, mainly peridotite and serpentinite, mostly harzburgite, parely lerzolite, listvinite.		D
BIR33	692359	3651147	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide	Green tuff, tuff breccia, agglomerate, tuffaceous shale, including locally intermediate and acidic lava flows.		D
BIR34	730204	3650162	Parsi Kan Kav	5	1		1	Clay minerals + Fe Oxide	Sandstone, sandy limestone, shale and phyllitic shale.		B
BIR35	694519	3629299	Parsi Kan Kav	4				Clay minerals + Fe Oxide	Grey, masive, alveolina and nummulitic limestone.		C
BIR36	699071	3625144	Parsi Kan Kav	8				Clay minerals + Fe Oxide	Spilitic rock, diabase, gabbro.		C
BIR37	695326	3623399	Parsi Kan Kav	2				Clay minerals + Fe Oxide	Flysch type sediments: shale, sandstone and imestone.		C
SAR01	679199	3556195	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide	Marble, muscovite-biotite-feldspar-albite-sericite schist with quartz.		B
SAR02	681246	3583878	Pars Kani					Clay minerals + Fe Oxide + Sericite	Altered, andesite, dacite and acidic volcanic rocks; ignimbrite tuff.		A
SAR03	679830	3586202	Pars Kaneh Kish					Clay minerals + Fe Oxide	Altered, andesite, dacite and acidic volcanic rocks; ignimbrite tuff.		B
SAR04	659345	3596751	Tehran Padir					Clay minerals + Fe Oxide	Green, grey, white acidic tuff breccia, agglomerates and other pyroclastics.		B
SAR05	684799	3582885	Pars Kani					Clay minerals + Fe Oxide + Sericite	Red and grey porphyritic andesite locally altered.	up to 100ppm Au	A
SAR06	662476	3548758	Parsi Kan Kav	41	6	18	5	Weak Clay minerals	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		B
SAR07	661855	3549346	Parsi Kan Kav					Weak Clay minerals			B
SAR08	662109	3549296	Parsi Kan Kav					Weak Clay minerals			B
SAR09	664849	3549838	Parsi Kan Kav					Weak Clay minerals			B
SAR10	665536	3547820	Parsi Kan Kav					Weak Clay minerals			B

NAME	Easting	Northing	VISITED	ICP	Thin	Po	X	Alteration in Satellite image(ASTER & ETM)	Geology(1:100,000 sheets)	Stream Sediment anomaly	RANKE
SAR11	674579	3549288	Parsi Kan Kav	2				Clay minerals + Fe Oxide + Sericite	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.	Pb-Zn	A
SAR12	678872	3593993	Pars Kaneh Kish	2				Clay minerals + Fe Oxide	Microdiorite with andesitic or dacitic marginal facies.		A
SAR13	671488	3576177	Parsi Kan Kav	7	1	3	1	Clay minerals + Fe Oxide	Listvinite.		C
SAR14	667359	3578825	Pars Kaneh Kish					Clay minerals + Fe Oxide	Listvinite.		C
SAR15	667373	3580731	Pars Kaneh Kish					Clay minerals + Fe Oxide	Listvinite.		C
SAR16	666495	3581568	Pars Kaneh Kish					Clay minerals + Fe Oxide	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		C
SAR17	666029	3580334	Pars Kaneh Kish					Clay minerals + Fe Oxide	Red and grey porphyritic andesite locally altered.		C
SAR18	668745	3579879	Parsi Kan Kav	12	1	2	2	Clay minerals + Fe Oxide	Shale, pencil shale and sandstone.		C
SAR19	667761	3579706	Pars Kaneh Kish					Clay minerals + Fe Oxide	Red and grey porphyritic andesite locally altered.		C
SAR20	679578	3596178	Pars Kaneh Kish	Sample not taken				Clay minerals + Fe Oxide + Sericite	Altered, andesite, dacite and acidic volcanic rocks; ignimbrite tuff.		A
SAR21	664101	3550863	Parsi Kan Kav	41	6	18	5	Weak Clay minerals	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		B
SAR22	682280	3591850	Parsi Kan Kav	2	1		1	Clay minerals + Fe Oxide	Altered, andesite, dacite and acidic volcanic rocks; ignimbrite tuff.		B
SAR23	684890	3590950	Parsi Kan Kav	9	3		2	Clay minerals + Fe Oxide			C
KUD01	684939	3535665	Parsi Kan Kav	3	1	1		Weak Clay minerals + Fe Oxide	Basaltic andesite to basalt.dark grey to black		C
KUD02	684249	3535618	Parsi Kan Kav					Weak Clay minerals + Fe Oxide			C
KUD03	684415	3535808	Parsi Kan Kav					Weak Clay minerals + Fe Oxide			C
KUD04	686221	3536414	Parsi Kan Kav					Weak Clay minerals + Fe Oxide	Granit (Eocene-Oligocene)		C
KUD05	685232	3534984	Parsi Kan Kav					Weak Clay minerals + Fe Oxide	Basaltic andesite to basalt.dark grey to black		D
KUD06	679155	3517439	Parsi Kan Kav	1				Clay minerals + Fe Oxide + Sericite	Altered acidic volcanic rocks		B
KUD07	663677	3513810	Rio Tinto					Clay minerals + Fe Oxide + Sericite	Tuff.mostly intermediate to felsic composition.green,grey		D
KUD08	667770	3513138	Rio Tinto					Clay minerals + Fe Oxide + Sericite	Andesitic flows		D
KUD09	680554	3517208	Parsi Kan Kav	2	2	1		Clay minerals + Fe Oxide + Sericite	Altered acidic volcanic rocks		B
KUD10	681622	3514649	Parsi Kan Kav	3			1	Clay minerals + Fe Oxide + Sericite			B
KUD11	684710	3517540	Parsi Kan Kav	5	3		3	Clay minerals + Fe Oxide + Sericite			B
KUD12	686929	3514262	Parsi Kan Kav	4	1		2	Clay minerals + Fe Oxide + Sericite			B
KUD13	681100	3539440	Parsi Kan Kav	3		1		Clay minerals + Fe Oxide	Basaltic andesite to basalt,dark grey to black		C
MKH01	691107	3554514	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide	Red and grey porphyritic andesite locally altered.		C
MKH02	710952	3550947	Pars Kaneh Kish	Sample not taken				Clay minerals + Fe Oxide	Listvinite (ophicarbonate)		D
MKH03	692095	3580543	Pars Kaneh Kish					Clay minerals + Fe Oxide + Sericite	Diorite, granite, microgranodiorite, monzonite.		B
MKH05	693538	3596608	Parsi Kan Kav	5				Clay minerals + Fe Oxide	Varigated tuff, tuffaceous shale and marl, locally icluding conglomerate intercalations.		C
MKH06	694765	3596563	Parsi Kan Kav	12				Clay minerals + Fe Oxide	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		C
MKH07	695040	3595139	Parsi Kan Kav	12				Clay minerals + Fe Oxide			C
MKH08	702372	3588376	Parsi Kan Kav	5	2	2	1	Clay minerals + Fe Oxide	Porphyritic dacite and associated pyroclastics, dacitic andesite, andesitic dacite and locally with alteration.		B
MKH10	701761	3586355	Pars Kaneh Kish					Clay minerals + Fe Oxide	Green, grey, white acidic tuff breccia, agglomerates and other pyroclastics.		C
MKH11	719700	3570836	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide + Sericite	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		B
MKH12	722529	3569947	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide + Sericite			C
MKH13	714241	3572333	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide + Sericite			B
MKH16	722795	3572503	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		C
MKH17	688420	3591773	Pars Kaneh Kish					Clay minerals + Fe Oxide + Sericite	Altered, andesite, dacite and acidic volcanic rocks; ignimbrite tuff.	Up to 10ppm Au-Cu=53	B
MKH18	696946	3583240	Parsi Kan Kav	6	1		2	Weak Clay minerals + Fe Oxide	Green, grey, white acidic tuff breccia, agglomerates and other pyroclastics.		B
MKH19	698990	3581738	Parsi Kan Kav	3				Clay minerals + Fe Oxide + Sericite	Varigated tuff, tuffaceous shale and marl, locally icluding conglomerate intercalations.		A
MKH20	707090	3581841	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide	Volcanoclastic conglomerate and sandstone.	Au=13	B
MKH22	702673	3557363	Parsi Kan Kav	2				Clay minerals + Fe Oxide	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.	Pb-Zn-As	B
MKH23	703534	3558587	Parsi Kan Kav	1				Clay minerals + Fe Oxide			B
MKH24	703466	3559182	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide	Listvinite.		B
MKH25	702368	3558595	Parsi Kan Kav	2				Clay minerals + Fe Oxide	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		B
MKH26	700784	3557538	Parsi Kan Kav	3				Clay minerals + Fe Oxide			B
MKH27	700251	3557497	Parsi Kan Kav	1				Clay minerals + Fe Oxide			B
MKH28	705310	3586638	Pars Kaneh Kish					Clay minerals + Fe Oxide + Sericite	Grey to deep green, amphibole-minor pyroxene, hornblende andesite, basalt and andesite basalt.	Au=8ppm	A
MKH29	707089	3585852	Parsi Kan Kav	4			1	Clay minerals + Fe Oxide + Sericite			A
MKH30	724525	3577054	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide + Sericite	Dark grey to black olivine-pyroxene basalt and amphibole andesite, locally silicified.		B
MKH31	730574	3577299	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide + Sericite	Phyllite, phyllitic shale, in some parts with patches of spillitic rocks.		B
MKH36	712689	3545894	Parsi Kan Kav	1				Weak Clay minerals + Fe Oxide	Calc-schist.		C
MKH37	716383	3545408	Parsi Kan Kav	Sample not taken				Clay minerals + Fe Oxide	Granite, microgranite.		D
MKH38	712798	3548424	Parsi Kan Kav	3				Clay minerals + Fe Oxide	Calc-schist.		D
MKH43	690920	3583350	Parsi Kan Kav	5	2	2		Weak Clay minerals + Fe Oxide	Diorite, granite, microgranodiorite, monzonite.		B
BAS01	689812	3539435	Parsi Kan Kav	3			1	Weak Clay minerals + Fe Oxide	Granite, microgranite.		B
BAS02	697822	3498234	Parsi Kan Kav	9	6	2	6	Clay minerals + Fe Oxide	Green tuff, tuff breccia, agglomerate, tuffaceous shale, including locally intermediate and acidic lava flows.		B
BAS03	697420	3495174	Parsi Ka Kav - Rio Tinto	Sample not taken				Clay minerals + Fe Oxide			B
BAS04	715371	3495653	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide	Cream, red, brown, marly, sandy, fossiliferous, orbitolina limestone, sandstone and marl thin bedded.		D
BAS05	724970	3496939	Parsi Kan Kav	Sample not taken				Weak Clay minerals + Fe Oxide	Granite.		D
BAS06	729224	3494778	Parsi Kan Kav	4	2		1	Weak Clay minerals + Fe Oxide			D
BAS07	714621	3511647	Parsi Kan Kav	2	1			Clay minerals + Fe Oxide			B
BAS10	712483	3514678	Parsi Kan Kav	2	1			Weak Clay minerals + Fe Oxide	Biotite-muscovite schist, meta tuff, horenfels.		B
BAS11	701708	3512838	Parsi Kan Kav	1	1			Weak Clay minerals + Fe Oxide	Grey monotonous argillaceous, silty, sandy shale to mica schist with pyrite and intercalations of sandstone.		B
BAS13	719704	3518039	Parsi Kan Kav	3		2	1	Clay minerals + Fe Oxide	Biotite-muscovite schist, meta tuff, horenfels.		D
BAS14	712298	3508549	Parsi Kan Kav	7	2	2		Clay minerals + Fe Oxide	Granite.		D
CHF1	783121	3507614	Parsi Kan Kav	2			1	Clay minerals + Fe Oxide	Porphyritic dacite and associated pyroclastics, dacitic andesite, andesitic dacite and locally with alteration.		B
CHF2	782707	3512195	Parsi Kan Kav	2	1			Clay minerals + Fe Oxide	Porphyritic dacite and associated pyroclastics, dacitic andesite, andesitic dacite and locally with alteration.		B
CHF3	781115	3523130	Parsi Kan Kav	3	1		1	Clay minerals + Fe Oxide	Phyllite, phyllitic shale and sandstone.		B
CHF13	748175	3536950	Pars Kaneh Kish					Clay minerals + Fe Oxide	Granite.	Au=6.6	B

Client: Geological Survey of Iran

Project : Prospecting of Cu porphyry & Au - Cu epithermal deposits in Khusf - Bsiran Region

Title: Mineral Distribution & Promising Target Map of Khusf - Basiran Region

Director Manager : Naser Abedian

Project Manager : Behroz Borna

Project technical director : Mohammad Reza Jannesary

Supervisor : Ali Karami

Parsi Kan Kav

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Date : Jan 2010 \ Bahar 1388

Based on satellite Image (ASTER , Red:4 , Green:5 , Blue:6)