

California Spatial Reference Center
COORDINATING COUNCIL SPRING MEETING
Holiday Inn, Capital Plaza, Sacramento, California
Minutes (May 8, 2002)

1. Opening – Greg Helmer

The meeting began at 10:00 AM at the Holiday Inn in Sacramento, California. Attendees are listed on the attached roster. Self-introductions were performed and the agenda was reviewed for any additional items.

2. Director's Report – Yehuda Bock

- a) Budget Review: Yehuda presented the FY02-03 budget. The statement of work has gone through the review process of the NGS and is ready for final approval by the Coordinating Council. The financial report will be posted on the CSRC website. To date, the total amount of funds that CSRC has received is \$1,420,850 including NGS, CalTrans, Yolo County, RCFCWCD, Riverside County, etc. This total does not include \$80,000 from the Orange County Surveyor for the real-time network.

- b) The current amount of funds available is \$479,462 with projected income of \$1,185,305 that equals a master budget of \$1,608,061.

3. CSRC 2001 Project Review – Yehuda Bock

- Master Plan
- San Francisco Bay Height Modernization
- NAVD88 Heights on CORS
- InSar
- Data Portal
- OCRTN

CSRC Contracting - must devise method to evaluate contracts.

- 1.) Cost Per Quality Point (CPQP) - cost is submitted separately from proposal so that quality is determined first and then cost evaluated second.
- 2.) CSRC will need to establish a selection committee to work with UCSD personnel to select contractor.

InSAR Project

To be utilized in subsidence areas of the State; reduced effort overall for FY02/03. CSRC will concentrate on Yolo County.

Proposed 2002 Projects

See Handout of 'Statement of Work' for FY2002 for NGS projects. CalTrans will have two projects.

Proposed Budget to NGS

Total = \$998,000 for 8 items in S.O.W. Subcontracts/Prof. Services = \$413,000

Last Year	vs.	This Year (Subcontracts/Prof. Services)
\$998,000 (25%)		\$998,000 (41%)

San Joaquin Valley Height Network

Need to review what CSRC has and then make a plan to implement a height model network.

San Joaquin Valley CORS Densification

Working on getting partnership to help implement building CORS and investigating use of wide area RTK methods.

San Francisco CORS Only Network

Height modernization being worked on currently.

Education and Outreach

CSRC Operation/Management

4. CSRC Master Plan – Yehuda Bock

- Ultimately CORS only network.
- \$6,000 per year to maintain a CORS site. CSRC will not be able to maintain all existing CORS, much less 55,000 benchmarks and 1,800 horizontal control monuments in the ground.

Responses to Master Plan

- Sonoma County Water Agency is concerned about the frequency of epoch updating. They would like a 'stable' epoch updated every decade.
- UCSD/Duncan Agnew suggested including bedrock over Class 'B' rod monument when available. Stable coordinates should be held on plate boundary. Latitude and longitude will change over time, but hold the state plane coordinate at a particular epoch and use HTDP to provide coordinates at different epochs.
- Caltrans (District 2) wants additional passive stations and increased coverage along highways. Put CORS at Caltrans maintenance stations when possible.
- Caltrans (composite response)
 1. Height modernization issues
 2. User friendly website

3. CORS sampling rate
4. RTK issues - spacing and sampling rates
5. CORS benefits
6. Caltrans participation
7. Specific issues
 - When to change epochs
 - Vertical websites
 - CORS vs. HPGN
 - Leveling and geoid modeling needs - currently do not have a tool for accuracy of geoid at specific locations
 - Basic CSRC network vs. project control
 - HTDP and its use - about 5mm per year (per R. Snay) for non-CORS points.
 - CORS location and spacing
 - Voluntary CORS maintenance
 - Funding and sources of funding
 - "Legitimacy" of CSRC
 - input for Master Plan and its preparers
 - Licensed Land Surveyors
 - Training and the data portal

NGS Response to Master Plan

NGS supports it and accepts the draft plan.

Suggestions were made to present the CSRC Master Plan to the Associations of Water Agencies and the GIS Association. Caltrans has distributed the Master Plan throughout the state which generated the above list of comments.

Data Portal - Yehuda Bock

Data Portal/website was re-engineered by the CSRC after the Townhall meeting in Riverside making it much more friendly and organized. CSRC continued efforts to provide closer linkage to the NGS regarding processing, transformation and velocity models, and coordinate generators. CSRC is interested in connecting/linking to GIS sites.

Southern California RT GPS Network - Yehuda

Yehuda explained the RT GPS net in Orange County. It provides a service that will bring in more users. The one being established in Orange County is a prototype for other installations in the state.

Discussion on the real time network and whether CSRC should charge for this service took place. The Board decided to retain the current policy of not charging for this data.

5. Nominations

Dave Stone was nominated for Secretary by Bill Young. With no other nominations he was approved.

Larry Fenske was nominated for Treasurer by Bill Young. With no other nominations he was also approved.

Mike McGee and John Casey were nominated to the Executive Council by Bill Young and approved.

6. Political Outreach

SB 1326 - a CLSA omnibus bill had one revision.

SB 8813 - CLSA is trying to get back to the way it was before Geodetic Position was struck out of the bill. This current wording leaves a big loophole. CLSA legislative committee meets Saturday to try and fix this wording before the bill goes any further. This bill states that the CSRC is the guardian of the California Spatial Reference System.

7. Legislative Front

CSRC will be consulting with other state departments to see who should be contacted at the state level for funding.

Don and Greg are working on articles for CLSA. Newsletter to go out twice a year to keep members abreast of current issues of the CSRC.

Gilbert asked that Caltrans comments be posted and responded to on the CSRC website. He also asked that the CSRC review items from the Riverside meeting and respond to them on the website as well. It was stated that the notes from the Riverside meeting were produced from the facilitator and were not massaged or changed by the NGS. It was asked that the NGS go back and make the report look a little more professional.

The next meeting will be on Friday, October 18th, 2002. The meeting adjourned at 3:25 pm.

California Spatial Reference Center
CSRC COORDINATING COUNCIL ATTENDEES
 May 8, 2002

CSRC			csrc@ucsd.edu
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TREASURER'S REPORT
CALIFORNIA SPATIAL REFERENCE CENTER
COORDINATING COUNCIL

May 1, 2001 to April 30, 2002

Balance Forward (May 1, 2001): **\$0.00**

INCOME:

May 14, 2001 Initial Deposit; UC Riverside (*Seminar Presentation*) \$1,572.00

Dec 31, 2001 CLSA, Humboldt Chapter (*Seminar Presentation*) \$1,453.09

Jan 08, 2002 UC Riverside (*Seminar Presentation*) \$807.00

Subtotal: **\$3,832.09**

EXPENSES:

May 30, 2001 Check Printing \$18.60

Jul 03, 2001 Check Printing \$18.60

Subtotal: **\$37.20**

ENDING BALANCE (April 30, 2002): **\$3,794.89**

Lawrence R. Fenske, Treasurer
CSRC Coordinating Council
Support Group for UCSD CSRC
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**California Spatial Reference Center
Financial Report
July 1, 2001 through April 30, 2002**

	NGS 12/22/98 - Indef	NGS (JIMO) 10/00 - 12/31/01	NGS (JIMO) 05/01 -9/02	TOTAL
INCOME			998,000	998,000
FY 2001 BALANCE FORWARD	1,263	7,626		8,889
EXPENSES				
Salaries		295	249,872	250,167
Consultants		4,025	34,361	38,386
Supplies		695	44,100	44,795
Equipment			152,017	152,017
Travel		1,735	998	2,735
Total Direct Costs	-	6,750	481,348	488,100
Indirect Costs		876	38,451	39,327
Total Expenses		7,626	519,799	527,427
CURRENT BALANCE	1,263	-	478,201	479,462

Year 2002 - 2003 PROJECTED INCOME	
NGS Funds	998,000
County of Riverside	12,000
Riverside County Flood Control & Water Conservation District	25,000
Caltrans - ITRF2000 readjustment	69,700
Caltrans - CORS Site construction (Pending)	80,605
Total Projected Income	1,185,305

**California Spatial Reference Center
Sources of Support
July 1, 1998 through April 30, 2002**

	FY99	FY00	FY01	FY02	Total
Federal					
NOAA's National Geodetic Survey(NGS)	100,000		100,000	998,000	1,198,000
State & Local					
Caltrans	44,600	72,500	64,500		181,600
San Diego County		10,000			10,000
Yolo County			14,500		14,500
Contra Costa County			16,750		16,750
TOTAL	144,600	82,500	195,750	998,000	1,420,850

California Spatial Reference Center Spending History

Rev 05/02

	Actual				TOTAL
	Year One 7/98 - 6/99	Year Two 7/99 - 6/00	Year Three * 7/00 - 6/01	Year Four 7/01 - 6/02	
TOTAL SALARY & BENEFITS	11,681	63,750	88,185	250,167	413,783
HARDWARE	2,492	19,037	20,632	152,017	194,178
SOFTWARE / MAINTENANCE / SUPPLIES	24,244	195	12,203	39,661	76,303
SUBCONTRACTS / CONSULTANTS	5,000	14,868	14,122	38,386	72,376
TRAVEL	4,476	3,153	7,014	2,735	17,378
OTHER COSTS (phones, downloads, network)	263	4,225	16,102	5,134	25,724
TOTAL DIRECT COSTS	48,156	105,228	158,258	488,100	799,742
INDIRECT COSTS (DC minus equip & subcontract costs over \$25K)	19,667	43,489	39,068	39,327	141,551
BALANCE OF FY02 FUNDS **				666,768	666,768
TOTAL	67,823	148,717	197,326	1,194,195	1,608,061

* revised to include Contra Costa and Yolo County expenditures

** FY02 Balance includes CALTRANS CORS Site construction funds (\$80,605) which are still pending